



March 1, 2009

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Irrigated Lands Conditional Waiver Program  
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Dear Dania,

The East San Joaquin Water Quality Coalition is submitting the 2008 irrigation season Semi-Annual Monitoring Report for review by the Central Valley Regional Water Quality Control Board as required by the Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands Resolution Order No. R5-2003-0105, Monitoring and Reporting Program Order No. R5-2005-0833, amended by Monitoring and Reporting Program Order No. R5-2006-0053 and Monitoring and Reporting Program Order No. R5-2006-0077.

The attached documents report on the Coalition monitoring program for the period of April 1, 2008 to September 30, 2008 and covers activities associated with the 2008 irrigation season monitoring, reporting, outreach and education.

In every aspect, the Coalition seeks the best quality in its monitoring program by using the most scientifically reliable field and laboratory protocols, ensuring complete quality control and quality assurance of the data received from laboratories, and reporting on that data accurately and punctually to both the CVRWQCB and to the members of the Coalition. The Coalition and its technical staff process and review an immense quantity of data and provide a large number of reports in a timely manner to the CVRWQCB.

Requirements of the MRP were met with a few exceptions which are described in the attached SAMR. Sampling occurred during all six months of the irrigation season and all data generated are an accurate reflection of conditions in the Coalition region. None of the few exceptions affected the overall completeness, accuracy, or precision of the data. Consequently, the conclusions and recommendations and the Coalition's outreach program are unaffected by these exceptions.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment for violations."

This letter will be submitted with an original signature when the printed version of the SAMR is submitted to the Regional Board.

Submitted respectfully,

A handwritten signature in black ink, consisting of a stylized 'P' followed by a horizontal line and a vertical stroke, and a large 'K' followed by a horizontal line.

Parry Klassen

Executive Director

East San Joaquin Water Quality Coalition

# ***East San Joaquin Water Quality Coalition***

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## **Semi-Annual Monitoring Report**

March 1, 2009



*Prepared by*  
Michael L. Johnson LLC

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## List of Acronyms

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BMP	Best Management Practice
BOD	Biological Oxygen Demand
BU	Beneficial Use
CDPR	California Department of Pesticide Regulation
CEDEN	California Environmental Data Exchange Network
COC	Chain of Custody
CURES	Coalition for Urban and Rural Environmental Stewardship
CVRWQCB	Central Valley Regional Water Quality Control Board
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DF	Dilution factor
DFG	California (Department of Fish and Game)
DHS	(California) Department of Health Services
DI	Deionized
DO	Dissolved Oxygen
DQO	Data Quality Objective
DWR	(California) Department of Water Resources
E	Environmental sample
EC	Specific Conductance
EC <sub>50</sub>	Effective Concentration of 50% of the measured endpoint
EPA	Environmental Protection Agency
ESJWQC	East San Joaquin County Water Quality Coalition
FB	Field Blank
FD	Field Duplicate
HDPE	High density polyethylene
ILRP	Irrigated Land and Regulatory Program
IPM	Integrated Pesticide Management
IRIS	Integrated Risk Information System
K <sub>oc</sub>	Organic Carbon Partitioning Coefficient
LABQA	Laboratory Quality Assurance
LC <sub>50</sub>	Lethal Concentration at 50% mortality
LCS	Laboratory Control Spike
MCL	Maximum Contaminant Level
MLJ-LLC	Michael L. Johnson, LLC
MPN	Most Probable Number
MRP	Monitoring and Reporting Program Order No. R5-2005-00833
MS	Matrix Spike
MUN	Municipal and Domestic Supply (beneficial use)
NA	Not Applicable
ND	Not Detected
NiCd	Nickel-cadmium

NM	Normal Monitoring
NONAG	The sample was provided by a project other than the Coalition to the laboratory and was included in the QC report from the laboratory to meet their QC requirements.
OP	Organophosphate
PCA	Pesticide Control Advisor
pH	Power of Hydrogen
PR	Percent Recovery
PTFE	Polytetrafluoroethylene (Teflon™)
PUR	Pesticide Use Report
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RfD	Reference Dose
RL	Reporting Limit
RPD	Relative Percent Difference
RS	Resample
SAMR	Semi-Annual Monitoring Report
SG	Statistically significantly different from control; Greater than 80% threshold
SL	Statistically significantly different from control; Less than 80% threshold
SOP	Standard operating procedure
SPE	Solid Phase Extraction
SWAMP	Surface Water Ambient Monitoring Program
TDS	Total Dissolved Solids
TIE	Toxicity Identification Evaluation
TKN	Total Kjeldahl Nitrogen
TOC	Total Organic Carbon
TRS	Township, Range, Section
UC	University of California
USEPA	United States Environmental Protection Agency
VOA	Volatile Organic Analyte
WER	Watershed Evaluation Report
WQG	Water Quality Guidelines
WQTL	Water Quality Trigger Limit

## List of Units

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cfs	cubic feet per second
L	Liter
lbs	pounds
mg	milligram
NTU	Nephelometric Turbidity Units
ppm	parts per million
sec	second
TUa	Toxic Unit (acute)
TUc	Toxic Unit (chronic)
µg	microgram

## List of Terms

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**Agricultural Commissioner** – County Agriculture Commissioner

**ArcGIS** – Geographic Information Systems mapping software

**Central Valley or Valley** – California Central Valley

**Coalition** – East San Joaquin Water Quality Coalition

**Coalition/ESJWQC region** – The region within the Central Valley that is monitored by the East San Joaquin Water Quality Coalition.

**Constituent of concern** – any constituent that is the focus of monitoring

**Drainage** –water that moves horizontally across the surface or vertically into the subsurface from land

**Landowners** – one or more persons responsible for the management of the irrigated land

**Non project QA sample** – sample results from another project other than the Coalition included to meet laboratory QC requirements.

**Regional Board** – Central Valley Regional Water Quality Control Board

**Site subwatershed** – Starting from the sampling site, all water bodies that drain, directly or indirectly, into the water body before the point where sampling occurs.

**Special study** – a study conducted outside of normal monitoring activities that involves monitoring specific constituents in an effort to determine the mechanism responsible for the exceedances

**Subwatershed** – The topographic perimeter of the catchment area of a stream tributary. (EPA terms of environment: (<http://www.epa.gov/OCEPATERMS/sterms.html>))

**Waiver** – Central Valley Regional Water Quality Control Board Coalition Group Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands, Order No. R5-2006-0077, amending Order No. R5-2006-0053.

**Waterbody** –standing or flowing water of any size that may or may not move into a larger body of water, including lakes, reservoirs, ponds, rivers, streams, tributaries, creeks, sloughs, canals, laterals and drainage ditches.

**Watershed** – The land area that drains into a stream; the watershed for a major river may encompass a number of smaller watersheds that ultimately combine at a common point. (EPA terms of environment: <http://www.epa.gov/OCEPATERMS/wterms.html>)

## Executive Summary

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The East San Joaquin Water Quality Coalition (ESJWQC) region includes the counties of Stanislaus, Merced, Madera, Tuolumne, and Mariposa and the portion of Calaveras County that drains into the Stanislaus River. Apart from the San Joaquin River which forms the south and east boundary of the Coalition, there are five major rivers in the watershed: the Fresno River, Chowchilla River, Merced River, Tuolumne River and Stanislaus River. In addition, the Eastside Bypass is considered a major water body. These east side tributaries of the San Joaquin River drain the Sierra Nevada range from east to west. Irrigated agriculture is the predominant land use in the Coalition area although the growing urban areas in the Central Valley are also a significant land use. Other non-irrigated land uses include dairies with minor acreage in feedlots.

Water quality monitoring was conducted during 6 months of the irrigation season (April – September 2008). Several sites were dry during several monitoring trips. The primary objective of the monitoring program was to characterize discharge from agriculture during the irrigation season. Field data were recorded during each sampling event unless otherwise noted and ambient water samples were analyzed for pesticides, *E. coli*, metals, bacteria, inorganic and organic parameters, as well as toxicity to three test species: *Ceriodaphnia dubia*, *Pimephales promelas*, and *Selenastrum capricornutum*. During sediment sampling events field parameters were measured and toxicity samples were collected to test for *Hyalella azteca* toxicity. All water and sediment sample analyses are based on requirements specified in Table 1 of the ILRP Monitoring and Reporting Program (MRP). For samples that experienced toxicity, follow-up sampling occurred within 48 hours from the time that the laboratory reported the toxicity.

Samples collected during the 2008 irrigation season included normal monitoring and Management Plan Monitoring. For both types of samples, there were 29 exceedances of pesticides including chlorpyrifos (18), malathion (2), and one each of carbofuran, cyanazine, DDT, DDE, dieldrin, dimethoate, diuron, methyl parathion, and thiobencarb. Water column toxicity was experienced in 37 samples (not including field duplicates). All sites showing toxicity were resampled to determine the persistence of the toxicity. Of the 37 samples that experienced toxicity, 35 were toxic to *Selenastrum*, and two were toxic to *Ceriodaphnia*. Twenty-four sediment samples were found to be toxic to *Hyalella*.

As in the previous irrigation season, exceedances of Specific Conductance (EC) and Total Dissolved Solids (TDS), both measures of salts in the water, often co-occurred during the irrigation monitoring events when both parameters were measured. In total, there were 25 exceedances of TDS and 52 exceedances of the SC WQTLs. There were 86 exceedances of the Dissolved Oxygen (DO) and 17 exceedances of the pH WQTLs. There were 50 exceedances of the *E. coli* WQTL, 28 of the nitrate, and 4 of the ammonia WQTL. Three metals, arsenic (13), copper (31), and lead (10), were found at concentrations above WQTLs in water samples. Among the metals, only copper is currently used by agriculture within the Coalition region. Sources are distinguishable using stable isotopes but the cost of the analyses is substantial and the Coalition does not anticipate using this technique to identify the source(s).

Eleven TIEs were performed during the irrigation season. Four TIEs on *Selenastrum* resulted in no persistent toxicity and the cause of toxicity could not be determined. Results of the other TIEs indicated that toxicity was a result of non polar organics and cationic metals for *Selenastrum* and organophosphate pesticides for *Ceriodaphnia*. TIEs were conducted on all but two samples that had a greater than 50% toxic effect on the test organism. Both samples were resamples for *Selenastrum* toxicity where the original sample did not require a TIE; due to a lab miscommunication the resamples were not saved for TIEs.

Over the 2008 storm season, the Coalition was able to meet its monitoring program objectives by determining the concentration and load of waste in discharges to surface waters, evaluating compliance with existing narrative and numeric water quality triggers to determine if implementation of additional management practices is necessary to improve and/or protect water quality and assessing the impact of storm water discharges from irrigated agriculture to surface water. The Coalition used the results of surveys of management practices to determine the implementation of management practices to reduce discharge of specific wastes that impact water quality in receiving waters of the Coalition region. Survey results were compiled and submitted to the CVRWQCB on January 31, 2009. These results will be used to track effectiveness and will be used as a measure of initial conditions to track the implementation of new practices.

Outreach and education activities continue to be a central component of the Coalition monitoring program. The Coalition provides information and notification of exceedances in person during grower meetings, through the Coalition website, and by mail. The Coalition website ([www.esjcoalition.org](http://www.esjcoalition.org)) includes a general description of the Coalition's mission, member information, recommended best management practices, a schedule of Coalition meetings and presentations, Coalition news and newsletters, maps of sample sites and subwatersheds, and links to other sources of relevant information.

A letter was sent to almond and alfalfa growers on July 1, 2008 reminding members that the 2007 irrigation exceedances of chlorpyrifos had been linked to spray drift and irrigation runoff after application. The letter encouraged growers to implement management practices affecting spray drift and irrigation runoff. The letter also included a list of chlorpyrifos exceedances in all subwatersheds during July 2007.

In mid-July 2008, a mailing of the Watershed Coalition News (newsletter) went out to 6,500 growers containing an ESJWQC-sponsored article on chlorpyrifos exceedances and best management practices to reduce discharge and/or spray drift. Additional outreach occurred as Coalition Executive Director Parry Klassen was invited to give presentations on October 7, 21, 28, and November 4, 2008 at the Merced Community College Pest Management Update Course. The presentations included Coalition monitoring results, sprayer calibrations, and management of organophosphates and pyrethroids for both orchards and row crops.

A mailing was sent out to all 118 Coalition members within the Dry Creek @ Wellsford Rd site subwatershed to announce an upcoming grower meeting. Included in the mailing were a blank general survey (if outstanding) and an exceedance table for all years and seasons. The meeting

with Dry Creek growers was held on November 12, 2008 at the Fruit Yard restaurant in Modesto. MLJ-LLC and Coalition representatives discussed water quality exceedances, management plan requirements and management practices to reduce agricultural discharge.

Conclusions from Coalition monitoring results are:

- The outreach strategy used to date has not been as effective as necessary to reduce exceedances of WQTLs. Exceedances from many of the manageable pesticide applications such as chlorpyrifos and copper have not been eliminated, and toxicity to *Selenastrum* and *Hyalella* remain common.
- The problematic constituents from past years' monitoring remain the primary exceedances experienced in the Coalition region.
- Dairies may play a larger role in causing exceedances of numerous constituents than previously thought.

Greatly elevated concentrations of soluble chemicals such as chlorpyrifos are most likely the result of irrigation return flows; concentrations slightly over the WQTL most likely are the result of spray drift. Increased concentrations of soluble chemicals such as chlorpyrifos generally are associated with increased applications in watersheds indicating that elevated concentrations are the result of numerous growers and/or large acreages contributing to the exceedance. Using these results, individual growers along water bodies can be contacted and the appropriate management practices discussed to more effectively target outreach. Sufficient data now exist to target specific crops and specific times of the year to focus outreach. It is unlikely that additional Management Plan Monitoring will be helpful in providing the Coalition with information critical to discussions with growers. Discharges in priority watersheds have been characterized sufficiently and growers identified for outreach such that additional monitoring will not be cost effective.

## Introduction

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This document is being submitted by the East San Joaquin Water Quality Coalition (ESJWQC or Coalition) to the Central Valley Regional Water Quality Control Board (CVRWQCB or Regional Board) as required by the Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands Resolution No. R5-2003-0105 (Order), Monitoring and Reporting Program Order No. R5-2005-0833, amended by Monitoring and Reporting Program Order No. R5-2006-0053 and Monitoring and Reporting Program Order No. R5-2006-0077 (hereafter referred to as the Irrigated Lands Regulatory Program or ILRP). The document herein reports on the Coalition monitoring program and covers activities associated with the 2008 irrigation season monitoring, reporting, outreach and education.

Data that are too substantial to include in the body of this report are located in separate appendices. Where appropriate, Semi-Annual Monitoring Report (SAMR) sections refer readers to the appendices relevant to that section.

## Description of Watershed

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The East San Joaquin Water Quality Coalition (ESJWQC) area includes Stanislaus, Merced, Madera, Tuolumne, and Mariposa Counties and the portion of Calaveras County that drains into the Stanislaus River. The region that drains into the Coalition area is bordered by the crest of the Sierra Nevada on the east and the San Joaquin River on the west, the Stanislaus River on the north to the San Joaquin River on the south. The southern portion of the Coalition area includes the area that was formerly within the Root Creek Coalition. Additionally, there are landholdings in the vicinity of the Lone Willow Slough watershed (west of the Eastside Bypass) that have joined the Westside Coalition.

The only surface water export from the Coalition area is northward via the San Joaquin River. This river drains watersheds on the east and west side of the California Central Valley, though only east side watersheds are relevant with respect to the Coalition area. San Joaquin River water is eventually either exported to the San Francisco Bay through the Delta, or conveyed southward via the State Water Project and the Delta Mendota Canal. The Coalition area also includes within its boundaries all or portions of six irrigation districts: Oakdale Irrigation District, Merced Irrigation District, Turlock Irrigation District, Modesto Irrigation District, Chowchilla Irrigation District and Madera Irrigation District. Water bodies may have both irrigation district and Coalition involvement only when they convey both irrigation supply and agriculture return water. Irrigation districts are covered by individual waivers.

Apart from the San Joaquin River, there are five major rivers in the watershed: Fresno River, Chowchilla River, Merced River, Tuolumne River and Stanislaus River. In addition, the Eastside Bypass is considered a major water body. These east side tributaries of the San Joaquin River drain the Sierra Nevada range from east to west. Typically, only the Stanislaus, Merced, and Tuolumne Rivers maintain flows during the summer months. Flow in the Chowchilla and Fresno Rivers are intermittent to nonexistent as the irrigation season progresses into the fall and remain dry unless major storm events produce sufficient precipitation in the immediate vicinity of the rivers. Intermediate sized water bodies in the Coalition area (e.g. Dry Creek, Duck Slough, and Highline Canal) originate either in the Sierra Nevada foothills or the Valley itself and are tributaries to the major rivers. The remaining water bodies are small in size (e.g. Silva Drain, Mustang Creek) and are primarily agricultural canals and ditches that convey water to one of the larger rivers or intermediate-sized creeks/sloughs.

Although exact acreage is difficult to estimate due to rapidly changing land use, the Coalition area contains 1,186,889 acres that are considered irrigated agriculture (Table 1). For Stanislaus, Merced, Mariposa, Tuolumne, and Madera Counties, the Coalition used the Department of Water Resources (DWR) land use estimates for irrigated agriculture to determine total acreage. DWR does not provide land use data for Calaveras County. Instead, the Coalition used data from the County Agricultural Commissioner's office.

**Table 1. Acreage of irrigated land in ESJWQC counties.**

Data from 2001 California Department of Water Resources  
(<http://www.landwateruse.water.ca.gov/annualdata/landuse/2001/landuselevels.cfm>).

<b>County</b>	<b>Irrigated Land Area (acres)</b>
Calaveras	976
Madera	295,000
Mariposa	297
Merced	510,500
Stanislaus	378,700
Tuolumne	1,416
<b>Total</b>	<b>1,186,889</b>

Note that the estimates of irrigated acres may differ from previous estimates. The Coalition anticipates that as urban development increases over the next several years, the estimates will continue to change.

### ***Land Use***

Irrigated agriculture is the predominant land use in the Coalition area although growth of the urban areas in the San Joaquin Valley has been a significant factor impacting water quality. Non-irrigated land uses include urban and dairy with some acreage in feedlots and impoundments.

A variety of crops are grown and are often found in regions specific to microclimate, soil type, and local farming history. A more detailed discussion of crop type occurs in this report within the Sampling Sites Description section. Over 50 types of commercial crops are produced within the Coalition area (Table 2). The most common crops by acres are almonds, tomatoes, hay, sweet potatoes, cotton, silage, beans, wheat, peaches, melons, and grapes. In general agriculture varies geographically as one travels from the north to south and from east to west. In the eastern foothills, deciduous orchards and grapes are the dominant crops, though there are also considerable amounts of irrigated pastures and dairy farms. Crop type is more diverse in the northern Coalition area and includes row crops (e.g. tomatoes, sweet potatoes, melons, and leafy green vegetables), alfalfa hay, and orchards. In the relatively drier southern area dominate crops include cotton, vineyards, and orchards (almonds and pistachios).

A map of land use in the Coalition region is provided in Figure 1. Information was obtained from the California Department of Pesticide Regulation database which is current through 2004 (<http://calpip.cdpr.ca.gov/cfdocs/calpip/prod/main.cfm>). The map in Figure 1 is provided as a jpeg file; however, due to the size of the Coalition area, the map does not support a reasonable

level of detail. ArcGIS coverage has been provided previously, and can be referred to for more detail on coverage.

**Table 2. Crops grown and monthly pesticide use in the ESJWQC region.**

Crop information was developed from Pesticide Use Reports from the 2004 CDPR PUR database. An "X" in the month column specifying that there were pesticide use permits filed in those months indicating that applications of chemicals to those crops occurred.

COUNTY NAME	CROP	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
<b>CALAVERAS</b>													
	APPLE			x			x						
	BLUEBERRY		x		x						x	x	
	CHERRY			x	x		x		x			x	
	GRAPES, WINE	x	x	x	x	x	x	x	x			x	x
	NECTARINE		x										
	N-OUTDR CONTAINER/FLD GRWN PLANTS		x	x	x	x	x	x		x			
	OATS, GENERAL	x	x	x									
	OLIVE (ALL OR UNSPEC)	x		x			x	x	x	x			x
	PASTURES (ALL OR UNSPEC)		x	x	x	x							
	PEACH		x										
	PISTACHIO (PISTACHE NUT)			x	x	x		x	x				
	VEGETABLES (ALL OR UNSPEC)			x									
	WALNUT (ENGLISH WALNUT, PERSIAN WALNUT)		x	x	x	x	x	x	x	x			
<b>MADERA</b>													
	ALFALFA (FORAGE - FODDER) (ALFALFA HAY)	x	x	x	x	x	x	x	x	x	x	x	x
	ALMOND	x	x	x	x	x	x	x	x	x	x	x	x
	APPLE		x	x	x	x	x	x	x				
	APRICOT	x	x	x	x	x							x
	BARLEY (FORAGE - FODDER)	x	x	x									
	BARLEY, GENERAL	x	x	x									
	BEANS (ALL OR UNSPEC)						x	x	x				
	BEANS, DRIED-TYPE	x					x	x	x				
	BLUEBERRY											x	
	BOYSENBERRY (BOYSENS)												x
	CARROTS, GENERAL		x	x		x	x	x					
	CHERRY	x	x	x	x	x	x	x			x	x	x
	CHRISTMAS TREE PLANTATIONS					x							
	CITRUS FRUITS (ALL OR UNSPEC)		x			x		x		x		x	
	CORN (FORAGE - FODDER)			x	x	x	x	x	x	x		x	
	CORN, HUMAN CONSUMPTION		x	x		x	x	x					
	COTTON, GENERAL	x	x	x	x	x	x	x	x	x	x	x	x
	FIG	x	x	x	x	x	x	x	x	x		x	x
	GARLIC	x		x	x	x							

COUNTY NAME	CROP	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
	GRAPES	X	X	X	X	X	X	X	X	X	X	X	X
	GRAPES, WINE	X	X	X	X	X	X	X	X	X	X	X	X
	KIWI FRUIT	X	X	X		X		X	X	X			
	MELONS			X									
	NECTARINE	X	X	X	X	X	X	X	X	X	X	X	X
	N-GRNHS GRWN CUT FLWRS OR GREENS	X	X	X	X	X	X	X	X	X	X	X	X
	N-GRNHS GRWN PLANTS IN CONTAINERS						X				X		
	N-OUTDR CONTAINER/FLD GRWN PLANTS	X	X	X		X	X	X	X	X	X	X	X
	N-OUTDR GRWN TRNSPLNT/PRPGTV MTRL		X	X	X	X	X	X	X	X			
	OATS (FORAGE - FODDER)	X	X	X									X
	OATS, GENERAL	X	X	X									X
	OLIVE (ALL OR UNSPEC)	X	X	X		X	X	X	X	X	X	X	X
	ONION (DRY, SPANISH, WHITE, YELLOW, RED, ETC.)			X	X						X	X	
	ORANGE (ALL OR UNSPEC)	X	X	X	X	X	X	X	X	X	X	X	X
	PASTURES (ALL OR UNSPEC)		X	X								X	X
	PEACH	X	X	X	X	X	X	X	X	X	X	X	X
	PEAR	X		X				X				X	
	PECAN			X		X		X				X	
	PERSIMMON			X		X		X	X	X			
	PISTACHIO (PISTACHE NUT)	X	X	X	X	X	X	X	X	X	X	X	X
	PLUM (INCLUDES WILD PLUMS FOR HUMAN CONSUMPTION)	X	X	X	X	X	X	X	X	X	X	X	X
	POMEGRANATE (MISCELLANEOUS FRUIT)				X	X		X	X	X			X
	PRUNE	X	X	X	X	X	X	X		X	X		X
	SOIL APPLICATION, PREPLANT-OUTDOOR (SEEDBEDS, ETC.)	X	X	X	X	X	X		X	X	X	X	X
	STONE FRUITS (ALL OR UNSPEC)		X							X			
	STRAWBERRY (ALL OR UNSPEC)	X			X							X	
	SUGARBEET, GENERAL	X		X	X	X	X	X	X	X			X
	TANGELO		X	X	X	X	X	X	X	X	X	X	X
	TANGERINE (MANDARIN, SATSUMA, MURCOTT, ETC.)			X	X	X		X		X	X	X	
	TOMATO			X				X	X	X	X		
	TOMATOES, FOR PROCESSING/CANNING	X		X	X	X	X	X	X		X	X	
	UNCULTIVATED AGRICULTURAL AREAS (ALL OR UNSPECIFIED)	X	X	X	X	X	X	X	X		X	X	X
	WALNUT (ENGLISH WALNUT, PERSIAN WALNUT)	X	X	X	X	X	X	X	X	X		X	
	WATERMELONS					X							
	WHEAT (FORAGE - FODDER)	X	X	X			X	X	X	X			X
	WHEAT, GENERAL	X	X	X	X							X	X
<b>MARIPOSA</b>													
	APPLE			X	X	X							
	GRAPES, WINE		X	X	X	X	X	X	X				
	N-OUTDR CONTAINER/FLD GRWN	X	X	X	X	X	X	X	X	X	X	X	X

COUNTY NAME	CROP	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
	PLANTS												
<b>MERCED</b>													
	ALFALFA (FORAGE - FODDER) (ALFALFA HAY)	x	x	x	x	x	x	x	x	x	x	x	x
	ALMOND	x	x	x	x	x	x	x	x	x	x	x	x
	APPLE	x						x					x
	APRICOT	x	x	x	x	x	x	x	x		x		
	ASPARAGUS (SPEARS, FERNS, ETC.)				x			x	x		x		
	BARLEY (FORAGE - FODDER)												x
	BARLEY, GENERAL	x	x	x									x
	BEANS, DRIED-TYPE		x		x	x	x	x	x	x	x		
	BEANS, SUCCULENT (OTHER THAN LIMA)				x	x	x	x	x	x	x		
	BLUEBERRY		x	x	x		x	x			x	x	
	BOYSENBERRY (BOYSENS)				x		x						
	BROCCOLI										x	x	
	CANTALOUPE			x		x	x	x	x	x		x	x
	CAULIFLOWER							x	x	x			
	CHERRY	x	x	x	x	x		x				x	x
	CHICORY (ALL OR UNSPEC)				x				x	x	x		
	CHINESE CABBAGE (NAPPA, WON BOK, CELERY CABBAGE)				x						x		
	CHINESE GREENS, CHINESE LEAFY VEGETABLES					x							
	CHRISTMAS TREE PLANTATIONS	x	x					x					
	CITRUS FRUITS (ALL OR UNSPEC)	x				x							x
	COLE CROPS (ALL OR UNSPEC)												x
	CORN (FORAGE - FODDER)	x	x	x	x	x	x	x	x	x	x	x	x
	CORN, HUMAN CONSUMPTION	x	x	x	x	x	x	x	x	x			x
	COTTON, GENERAL	x	x	x	x	x	x	x	x	x	x	x	x
	CUCUMBER (PICKLING, CHINESE, ETC.)	x			x				x	x			
	FIG		x	x	x	x	x	x	x	x		x	x
	FORAGE - FODDER GRASSES (ALL OR UNSPEC) (HAY)	x	x	x									
	GRAPES		x	x	x	x	x	x					
	GRAPES, WINE	x	x	x	x	x	x	x	x	x	x	x	x
	LEAFY VEGETABLES (ALL OR UNSPEC)								x	x	x	x	
	LETTUCE, HEAD (ALL OR UNSPEC)				x								
	MELONS							x	x				
	MUSTARD, GENERAL									x			
	NECTARINE	x	x	x	x	x	x	x				x	
	N-GRNHS GRWN PLANTS IN CONTAINERS	x	x	x	x	x	x	x	x	x	x		
	N-OUTDR CONTAINER/FLD GRWN PLANTS	x	x	x	x	x	x	x	x	x	x	x	x
	N-OUTDR GRWN TRNSPLNT/PRPGTV MTRL	x	x	x	x	x	x	x	x		x	x	x
	OATS (FORAGE - FODDER)	x	x	x	x	x			x	x		x	x
	OATS, GENERAL	x	x	x								x	

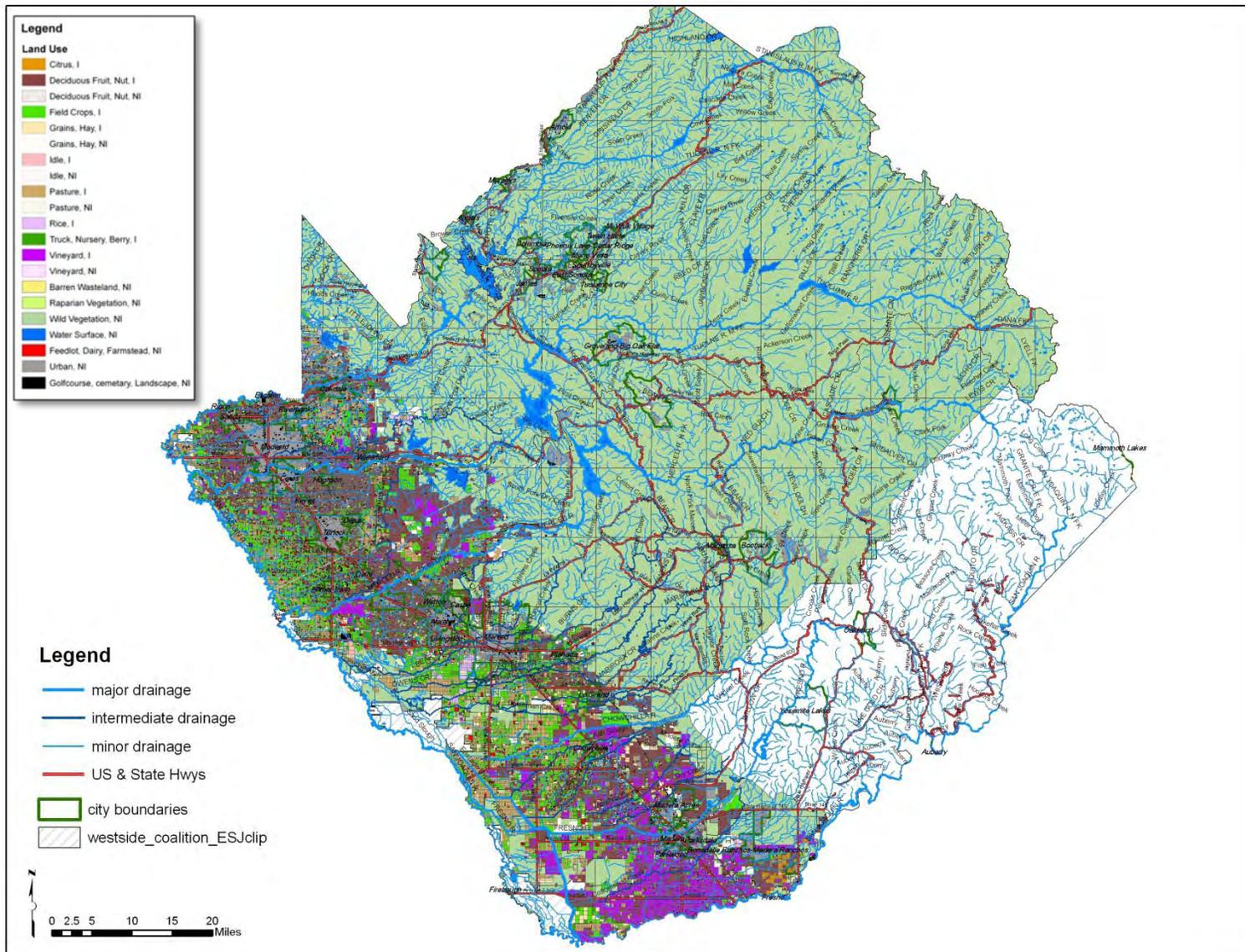
COUNTY NAME	CROP	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
	OLIVE (ALL OR UNSPEC)											X	
	ONION (DRY, SPANISH, WHITE, YELLOW, RED, ETC.)		X	X	X	X						X	X
	ORNAMENTAL TURF (ALL OR UNSPEC)	X	X	X	X		X	X	X	X		X	
	PASTURES (ALL OR UNSPEC)	X	X	X	X	X	X	X	X		X		
	PEACH	X	X	X	X	X	X	X	X	X	X	X	X
	PEAR	X			X		X	X					
	PEAS, GENERAL	X	X	X									
	PECAN					X	X	X		X			
	PEPPERS (CHILI TYPE) (FLAVORING AND SPICE CROP)			X	X	X		X	X	X	X	X	
	PEPPERS (FRUITING VEGETABLE), (BELL, CHILI, ETC.)	X		X	X	X	X	X	X	X	X		
	PISTACHIO (PISTACHE NUT)	X	X	X	X	X	X	X	X	X	X	X	X
	PLUM (INCLUDES WILD PLUMS FOR HUMAN CONSUMPTION)	X	X	X	X	X		X	X	X		X	X
	PRUNE	X	X	X		X	X	X	X	X			X
	PUMPKIN						X	X	X	X			
	RADISH					X		X					
	RICE (ALL OR UNSPEC)					X	X	X	X				
	RYE (ALL OR UNSPEC)		X										
	SAFFLOWER, GENERAL	X											
	SOIL APPLICATION, PREPLANT-OUTDOOR (SEEDBEDS, ETC.)	X	X	X								X	X
	SORGHUM (FORAGE - FODDER) (SORGO, ETC.)						X		X	X			
	SQUASH (ALL OR UNSPEC)							X	X				
	SQUASH (WINTER) (HUBBARD SQUASH, CALABAZA, ETC.)							X	X	X			
	STONE FRUITS (ALL OR UNSPEC)			X									
	STRAWBERRY (ALL OR UNSPEC)	X	X	X	X		X	X	X				X
	SUDANGRASS (FORAGE - FODDER) (SORGHUM SUDANESE)					X	X	X	X	X			
	SUGARBEET, GENERAL	X	X	X	X	X	X	X	X	X	X		
	SWEET POTATO	X	X	X	X	X	X	X	X	X		X	X
	TOMATILLO						X	X					
	TOMATO	X	X	X	X	X	X	X	X	X	X	X	X
	TOMATOES, FOR PROCESSING/CANNING	X	X	X	X	X	X	X	X	X	X	X	X
	UNCULTIVATED AGRICULTURAL AREAS (ALL OR UNSPEC)	X	X	X	X					X	X	X	X
	WALNUT (ENGLISH WALNUT, PERSIAN WALNUT)	X	X	X	X	X	X	X	X	X	X	X	X
	WATERMELONS			X	X	X	X	X	X		X	X	
	WHEAT (FORAGE - FODDER)	X	X	X							X	X	X
	WHEAT, GENERAL	X	X	X	X		X			X		X	X
<b>STANISLAUS</b>													
	ALFALFA (FORAGE - FODDER) (ALFALFA HAY)	X	X	X	X	X	X	X	X	X	X	X	X
	ALMOND	X	X	X	X	X	X	X	X	X	X	X	X
	APPLE	X	X	X	X	X	X	X	X	X	X	X	X

COUNTY NAME	CROP	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
	APRICOT	x	x	x	x	x	x	x	x	x	x	x	x
	ARRUGULA (ROQUETTE, ROCKET SALAD)							x					
	ASPARAGUS (SPEARS, FERNS, ETC.)						x		x				
	BARLEY (FORAGE - FODDER)		x										
	BARLEY, GENERAL										x		x
	BASIL (BUSH, GARDEN, SWEET)		x	x	x	x	x	x	x	x	x	x	
	BEANS, DRIED-TYPE	x	x	x	x	x	x	x	x	x	x	x	
	BEANS, SUCCULENT (OTHER THAN LIMA)			x	x	x	x	x	x	x			
	BEETS, GENERAL	x	x	x	x	x	x	x	x	x	x	x	x
	BOK CHOY (WONG BOK)	x	x	x	x	x	x	x	x	x	x	x	x
	BOYSENBERRY (BOYSENS)	x		x		x		x				x	
	BROCCOLI	x		x	x	x	x	x	x	x	x	x	x
	CABBAGE	x	x	x	x	x	x	x	x	x	x	x	x
	CANTALOUPE			x		x	x	x	x	x			
	CAULIFLOWER			x		x		x	x	x	x		
	CELERIAC (CELERY ROOT)	x	x					x	x	x		x	
	CELERY, GENERAL		x	x	x	x	x	x	x	x	x	x	x
	CHERRY	x	x	x	x	x	x	x	x	x	x	x	x
	CHESTNUT		x		x	x	x	x	x		x		x
	CHICORY (ALL OR UNSPEC)	x							x	x	x	x	
	CHINESE GREENS, CHINESE LEAFY VEGETABLES										x	x	
	CHINESE RADISH/DAIKON (LOBOK, JAPANESE RADISH)	x	x	x	x	x	x	x	x	x	x	x	x
	CILANTRO (CHINESE PARSLEY, CORIANDER LEAVES)	x	x	x	x	x	x	x	x	x	x	x	x
	CITRUS FRUITS (ALL OR UNSPEC)		x	x	x	x	x	x			x	x	
	COLLARDS	x	x	x	x	x	x	x	x	x	x	x	x
	CORN (FORAGE - FODDER)		x	x	x	x	x	x	x	x	x		x
	CORN, HUMAN CONSUMPTION						x	x				x	
	COUNTY AG. COMM. SALES											x	
	CUCUMBER (PICKLING, CHINESE, ETC.)			x	x	x	x	x	x				
	DANDELION (CHINESE DANDELION, GOW GAY)	x	x	x	x	x	x	x	x	x	x	x	x
	DILL	x	x	x	x	x	x	x	x	x			x
	ENDIVE (ESCAROLE)	x								x		x	
	FENNEL (ALL OR UNSPEC)		x	x	x	x	x	x	x	x			
	FIG										x		
	FLAVORING AND SPICE CROPS (ALL OR UNSPEC)				x		x		x		x		
	FORAGE - FODDER GRASSES (ALL OR UNSPEC) (HAY)	x		x									
	GRAPES	x		x	x	x	x	x	x		x	x	x
	GRAPES, WINE	x	x	x	x	x	x	x	x	x	x	x	x
	KALE	x	x	x	x	x	x	x	x	x	x	x	x
	KIWI FRUIT		x	x		x			x	x			
	KOHLRABI	x	x	x	x	x	x	x	x	x	x	x	x

COUNTY NAME	CROP	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
	LEEK			X	X	X	X	X	X	X	X	X	
	LETTUCE, LEAF (ALL OR UNSPEC)	X	X	X	X	X	X	X	X	X	X	X	X
	MELONS						X	X	X			X	
	MINT (ALL OR UNSPEC)	X		X	X	X	X	X	X	X	X	X	
	MUSTARD, GENERAL	X	X	X	X	X	X	X	X	X	X	X	X
	NECTARINE	X	X	X	X	X	X	X		X	X	X	X
	N-GRNHS GRWN PLANTS IN CONTAINERS	X	X	X	X	X	X	X	X	X	X	X	X
	N-GRNHS GRWN TRNSPLNT/PRPGTV MTRL	X	X	X	X	X	X	X	X	X			
	N-OUTDR CONTAINER/FLD GRWN PLANTS	X	X	X	X	X	X	X	X	X	X	X	X
	N-OUTDR GRWN CUT FLWRS OR GREENS												X
	N-OUTDR GRWN TRNSPLNT/PRPGTV MTRL	X	X	X	X	X	X	X	X	X	X	X	X
	OATS (FORAGE - FODDER)	X	X	X	X		X	X			X	X	X
	OATS, GENERAL		X	X									
	OLIVE (ALL OR UNSPEC)					X	X	X	X	X			
	ORNAMENTAL TURF (ALL OR UNSPEC)	X	X	X	X	X	X	X	X	X			
	PARSLEY (LEAFY VEGETABLE)	X	X	X	X	X	X	X	X	X	X	X	X
	PASTURES (ALL OR UNSPEC)	X	X	X	X	X	X	X	X	X	X		X
	PEACH	X	X	X	X	X	X	X	X	X	X	X	X
	PEAR		X					X			X	X	X
	PEAS, GENERAL	X	X	X									
	PECAN			X	X	X		X					X
	PEPPERS (FRUITING VEGETABLE), (BELL, CHILI, ETC.)	X		X	X	X							
	PERSIMMON		X	X		X		X			X		
	PISTACHIO (PISTACHE NUT)	X	X		X	X	X	X	X				X
	PLUM (INCLUDES WILD PLUMS FOR HUMAN CONSUMPTION)	X	X	X	X	X	X	X	X		X	X	X
	POMEGRANATE (MISCELLANEOUS FRUIT)							X			X		
	PRUNE	X	X									X	X
	PUMPKIN						X	X	X	X			
	QUINCE											X	
	RICE (ALL OR UNSPEC)			X	X	X	X	X					
	RYE (ALL OR UNSPEC)		X										
	RYEGRASS, PERENNIAL (FORAGE - FODDER)		X										
	SOIL APPLICATION, PREPLANT-OUTDOOR (SEEDBEDS, ETC.)		X										
	SORGHUM (FORAGE - FODDER) (SORGO, ETC.)								X				
	SPINACH	X	X	X	X	X	X	X	X	X	X	X	X
	STRAWBERRY (ALL OR UNSPEC)		X	X	X			X	X	X			X
	SUDANGRASS (FORAGE - FODDER) (SORGHUM SUDANESE)							X	X				
	SUGARBEET, GENERAL			X	X	X	X		X	X			
	SWEET POTATO	X		X	X	X							X

COUNTY NAME	CROP	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
	SWISS CHARD (SPINACH BEET)	x	x	x	x	x	x	x	x	x	x	x	x
	TOMATO				x	x	x	x	x	x	x	x	
	TOMATOES, FOR PROCESSING/CANNING	x	x	x	x	x	x	x	x	x	x		x
	TURNIP, GENERAL	x	x	x	x	x	x	x	x	x	x	x	x
	WALNUT (ENGLISH WALNUT, PERSIAN WALNUT)	x	x	x	x	x	x	x	x	x	x	x	x
	WATERMELONS				x	x	x	x	x	x			
	WHEAT (FORAGE - FODDER)	x	x	x	x							x	x
	WHEAT, GENERAL	x	x	x	x								
<b>TUOLUMNE</b>													
	APPLE		x	x	x	x	x	x					
	BLACKBERRY				x								
	BOYSENBERRY (BOYSENS)		x	x	x								
	CHERRY		x	x	x								
	GRAPES						x						
	GRAPES, WINE					x							
	NECTARINE				x								
	N-OUTDR CONTAINER/FLD GRWN PLANTS	x	x	x	x	x	x						
	N-OUTDR GRWN CUT FLWRS OR GREENS			x			x						
	PASTURES (ALL OR UNSPEC)			x	x	x	x	x					
	PEACH		x	x		x	x						

Figure 1. Agriculture lands in the ESJWQC region.



## ***Climate***

Summer temperatures are usually hot in the San Joaquin Valley, ranging from the mid 80's to mid 90's (°F) for average daily high temperatures and the mid to upper 50's for average summer daily low temperatures. In the summer the northern area is subject to pulses of cool coastal air that can provide relief from summertime highs and allow for the farming of crops requiring cooler temperatures. The upland areas are slightly cooler at night but generally remain hot throughout the summer. In the winter, temperatures are usually moderate with average daily high temperatures in the mid to upper 50's and average daily low temperatures in the low 40's. Freezing is common; this generally prevents farming of perennial crops susceptible to frost. Annual precipitation on the San Joaquin Valley floor in the Coalition area is variable, averaging 13-15 inches per year (City of Merced). Rainfall occurs predominantly during the winter and is heterogeneously distributed throughout this period (typical for a Mediterranean climate). Winter seasons are characterized by several small storms with one or two major events (increased rain due to larger storms) providing the bulk of the precipitation. December, January and February are historically the months with greatest precipitation. There appears to be no discernible pattern as to when during the winter these large storms occur.

## ***Soils***

Soils maps reveal a complicated mosaic of soil types in the Coalition area. Generally, the Coalition area has sandy, well-drained soils. Soil type interacts with other factors such as slope, soil saturation, rainfall/irrigation water amount, and drainage patterns to control runoff. Soils maps and ArcGIS soils coverages have been delivered to the Central Valley Regional Water Quality Control Board (CVRWQCB) previously and will not be provided as part of this document.

## ***Hydrology***

As indicated above, there are several main rivers that cross the Coalition area from east to west. These rivers have complex hydrologic systems due to both seasonal influence of precipitation, and management systems for water use (reservoirs, basin transfers, hydropower, municipal and irrigation supply, and anadromous fisheries). In general, flows are greatest during the winter and spring due to winter precipitation and subsequent spring snowmelt. Summertime flows are now greater than flows were historically due to reservoir releases. The numerous small creeks that have their headwaters in the foothills and western portion of the Sierra Nevada mountain range are primarily ephemeral with no flow from early summer through the first rains of the winter. Later discussion of hydrology will be specific to each subwatershed.

There is an increased propensity for runoff with increased slope, soil water saturation, and volume of water, conditions that arise primarily due to large amounts of rainfall and the relatively greater sloped valley margins. During the winter, runoff is drained through the myriad of creeks, rivers, and drains developed for flood management. Runoff can also occur during the irrigation season if water entering the field is greater than the amount that can infiltrate the soil. Recent sampling efforts indicate that many of the drainages in the southern

portion of the Coalition region do not carry runoff even during substantial rainfall events. Immediately after a storm in March of 2005, Ash Slough did not maintain sufficient flows to be sampled even when adjacent orchards were flooded. Also, the watersheds throughout the Coalition region tend to be “flashy” in that water from runoff events moves through the systems very quickly leaving very little flow shortly after the storm ends. For example, there was no flow remaining when crews visited the site for persistence sampling in the Lone Willow Slough watershed approximately one week after a winter 2005 storm event.

A complex system for water transfer, use, and re-use is utilized for irrigation purposes. In some cases, the volume of water applied to a field for irrigation may represent not only what is needed by the vegetative crop, but also a greater quantity used either to push the water over the field, or as a method of reducing the negative effects of evapotranspiration and consequent accumulation of salts. The system is designed to allow downstream irrigators to reuse water that was previously used upstream.

### ***Valuable Aquatic Resources***

Aquatic resources of water bodies within the Coalition area are defined in part by the beneficial use (BU) assigned by the CVRWQCB. Using the tributary rule, BUs were applied to upstream tributaries based on the currently assigned BU (Table 3) in downstream water bodies. Important aquatic resources exist in the Coalition area, including cold water and warm water stream aquatic habitat, wetlands and fisheries resources.

Wetlands are an important aquatic resource within the Coalition area. These habitats are associated with riparian areas along many of the water bodies in the region (particularly in the Sandy Mush Country area of southern Merced County) and savannah step region of the lower Sierra Foothills. Because vernal pools are isolated mini-watersheds they are found heterogeneously distributed across the Coalition in upland areas. They receive winter rains and require an aquatard to maintain their characteristic pools into the spring. These wetlands maintain a unique flora and fauna and are protected by the Clean Water Act. Generally, vernal pools and irrigated agriculture are not found together, although there are exceptions.

Several fisheries are considered important in the Coalition area. Steelhead trout (*Oncorhynchus mykiss*) were common in the region prior to the construction of dams on all of the major tributaries of the San Joaquin River. Once the dams were built, historic spawning grounds were eliminated and with them, most of the wild salmonids in the San Joaquin Valley. Currently, no permanent steelhead stocks exist in the drainages of the San Joaquin Valley despite occasional reports of fish in the Tuolumne and Merced Rivers. The California Department of Fish and Game considers the Tuolumne River to have suitable habitat to support a steelhead run if one could become established.

Chinook salmon (*Oncorhynchus tshawytscha*) are present in the San Joaquin system and are found in all major tributaries in the region. All of the major tributaries are considered to be impaired for salmonid spawning and/or migration habitat as is the main stem of the San Joaquin River (Table II-1 of the Sacramento/San Joaquin River Basin Plan).

**Table 3. Primary water bodies that drain directly into the major rivers of the ESJWQC region and the beneficial use for each of the major river reaches.**

Site Subwatershed (site name)	Immediate Downstream River	Beneficial Use of Immediate Downstream River*
Ash Slough @ Avenue 21 <sup>1</sup>	San Joaquin River (Sack Dam to Merced River reach) <sup>3</sup>	1-4, 7-9, 11-15
Bear Creek @ Kibby Rd <sup>1</sup>		
Berenda Slough along Avenue 18 ½		
Black Rascal Creek @ Yosemite Rd		
Cottonwood Creek @ Rd 20 <sup>2</sup>		
Deadman Creek @ Gurr Rd		
Deadman Creek @ Hwy 99		
Dry Creek @ Rd 18 <sup>1</sup>		
Duck Slough @ Gurr Rd		
Duck Slough @ Hwy 99		
Livingston Drain @ Robin Ave		
Miles Creek @ Reilly Rd		
South Slough @ Quinley Rd		
Dry Creek @ Wellsford Rd		
Hatch Drain @ Tuolumne Rd		
Highline Canal @ Hwy 99		
Highline Canal @ Lombardy Rd		
Hilmar Drain @ Central Ave		
Mustang Creek @ East Ave		
Prairie Flower Drain @ Crows Landing Rd		
Westport Drain @ Vivian Ave		
Highline Canal @ Hwy 99	Merced River (McSwain Reservoir to San Joaquin River reach)	1, 3-15
Highline Canal @ Lombardy Rd		
Merced River @ Santa Fe		
Mustang Creek @ East Ave		
Silva Drain @ Meadow Dr		

<sup>1</sup>Surface water flow in these water bodies terminates in subterranean flow except for periods of increased runoff during large winter storms

<sup>2</sup>There is no natural course by which Cottonwood Creek flows to the San Joaquin River. Its course is diverted in several ways, generally through canals or to open areas for percolation, depending upon the current situation

<sup>3</sup>Sack Dam to Merced River reach: all waterbodies that drain to this reach enter via the East Side Bypass with the exception of Livingston Drain

**\* Beneficial Use code list:**

- 1 - Municipal and Domestic Supply
- 2 - Agriculture Supply (irrigation)
- 3 - Agriculture Supply (stock watering)
- 4 - Industrial Process Supply
- 5 - Industrial Service Supply
- 6 - Hydropower Generation
- 7 - Water Contact Recreation
- 8 - Non-contact Water Recreation
- 9 - Warm Freshwater Habitat
- 10 - Cold Freshwater Habitat
- 11 - Migration of Aquatic Organisms (warm)
- 12 - Migration of Aquatic Organisms (cold)
- 13 - Spawning, Reproduction, and/or Early Development (warm)
- 14 - Spawning, Reproduction, and/or Early Development (cold)
- 15 - Wildlife Habitat

## ***ESJWQC Subwatersheds and Waterbodies***

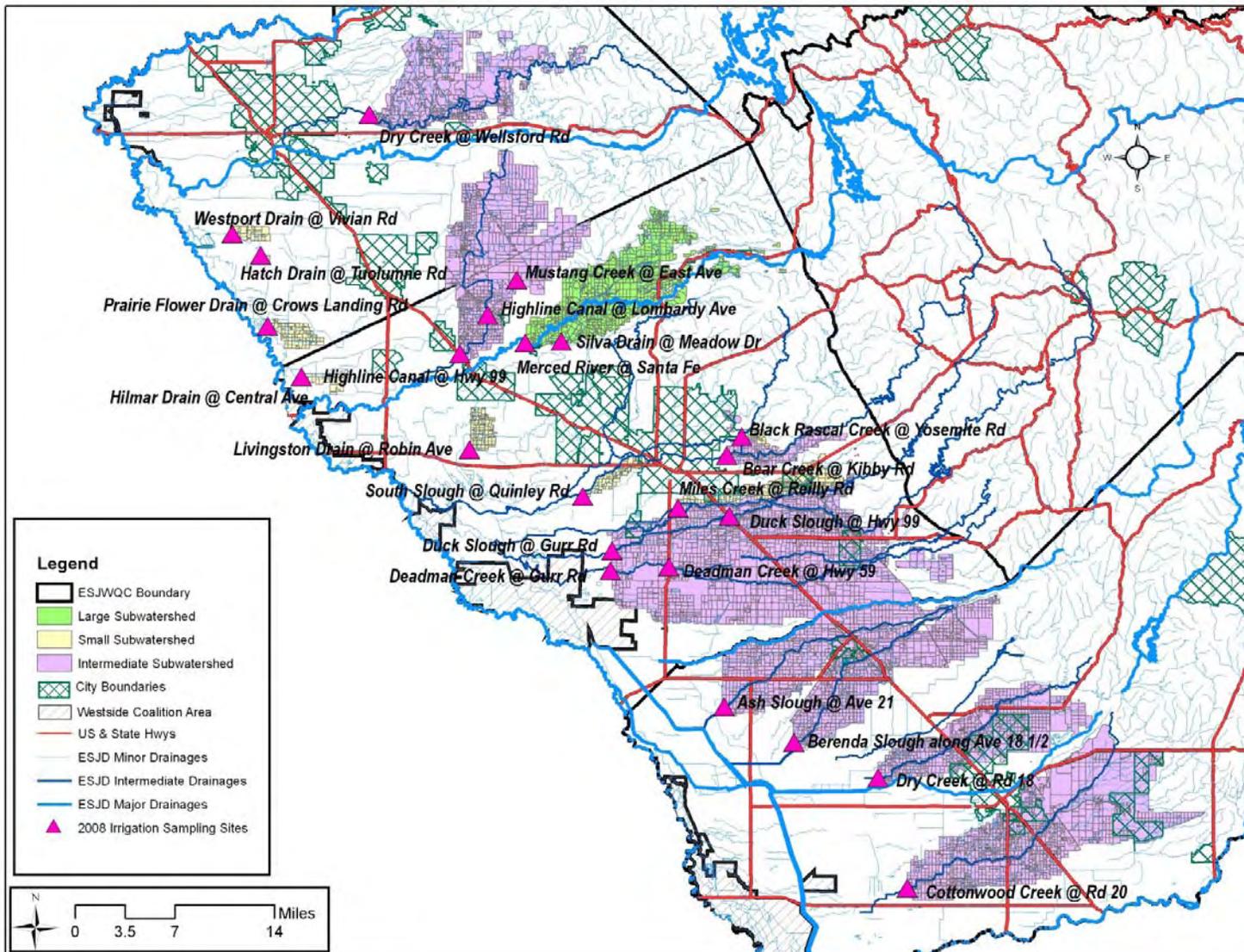
There are approximately 215 water bodies in the Coalition area (Table 5a-5c, East San Joaquin Water Quality Coalition Watershed Evaluation Report, Third Revised Report) that are classified into four categories (large, intermediate, small, or lake/reservoir) based on water flow and water body size. The seven large water bodies within the Coalition region are the Chowchilla River, Eastside Bypass, Fresno River, Merced River, San Joaquin River, Tuolumne River and Stanislaus River. With the exception of the Merced River, none of the large rivers are sampled. The Merced River is sampled but relatively high in the watershed to allow the integration of the sampling results from smaller water bodies that drain into the river. Though the amount of irrigated agriculture within these watersheds is similar or even less than some of the watersheds classified as medium sized, water flow in these relatively larger watersheds is primarily a function of source water originating upstream of irrigated agriculture. These rivers have relatively greater base water flow due to snowmelt and reservoir releases. There are 16 intermediate sized water bodies in the Coalition Region. These are primarily natural creeks and sloughs that drain a large portion of the Coalition area. The 164 smaller water bodies in the Coalition area are small-sized natural creeks, agriculture canals, and/or drains.

## ***Watershed Drainage Maps***

An overall map detailing the Coalition drainage designation for all site subwatersheds is provided in Figure 2. Maps showing drainage designation for each of the subwatersheds in the Merced, Madera and Stanislaus counties are provided in Figure 3 – Figure 5.

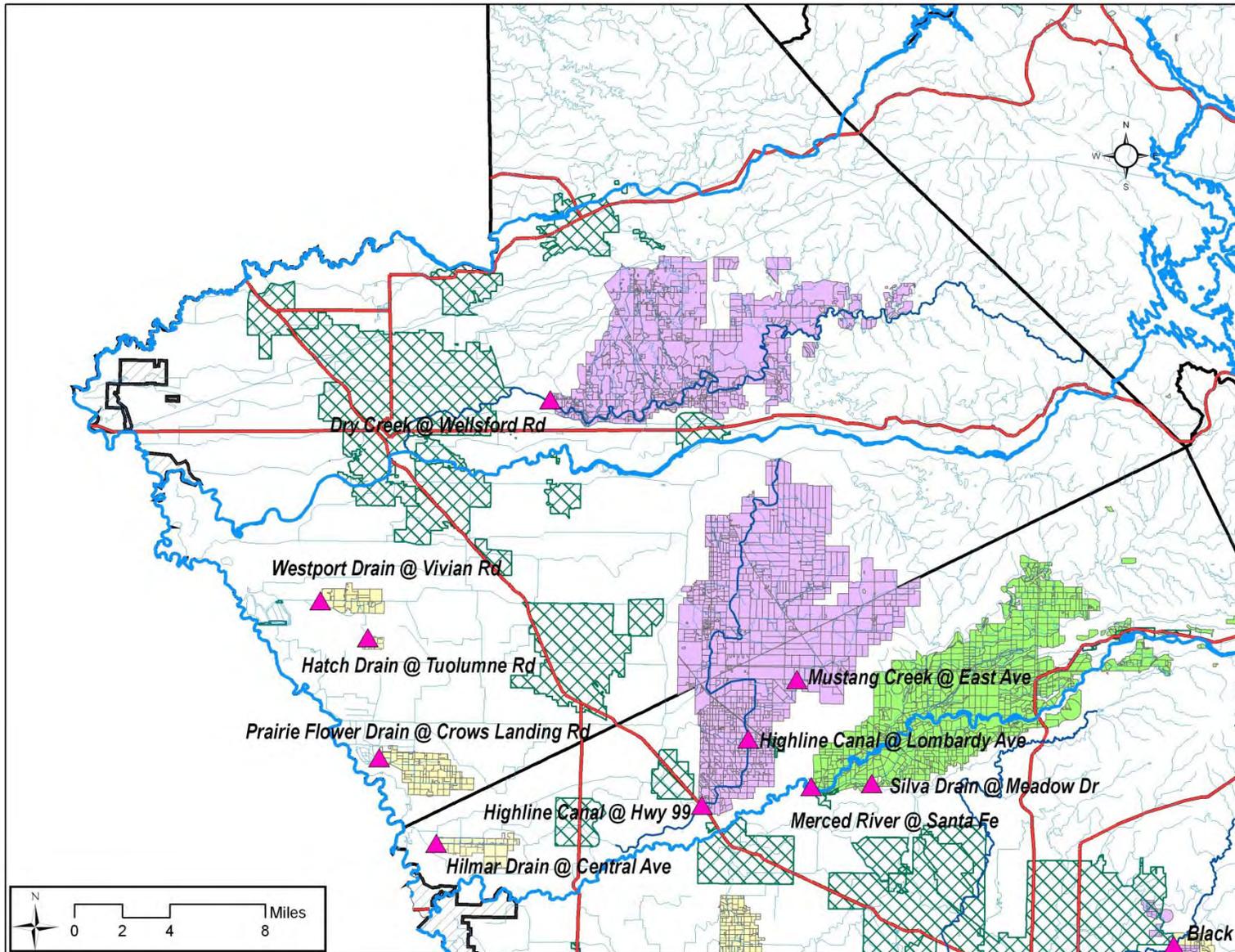
-

Figure 2. Site subwatershed size designation for all subwatersheds in the Coalition region.

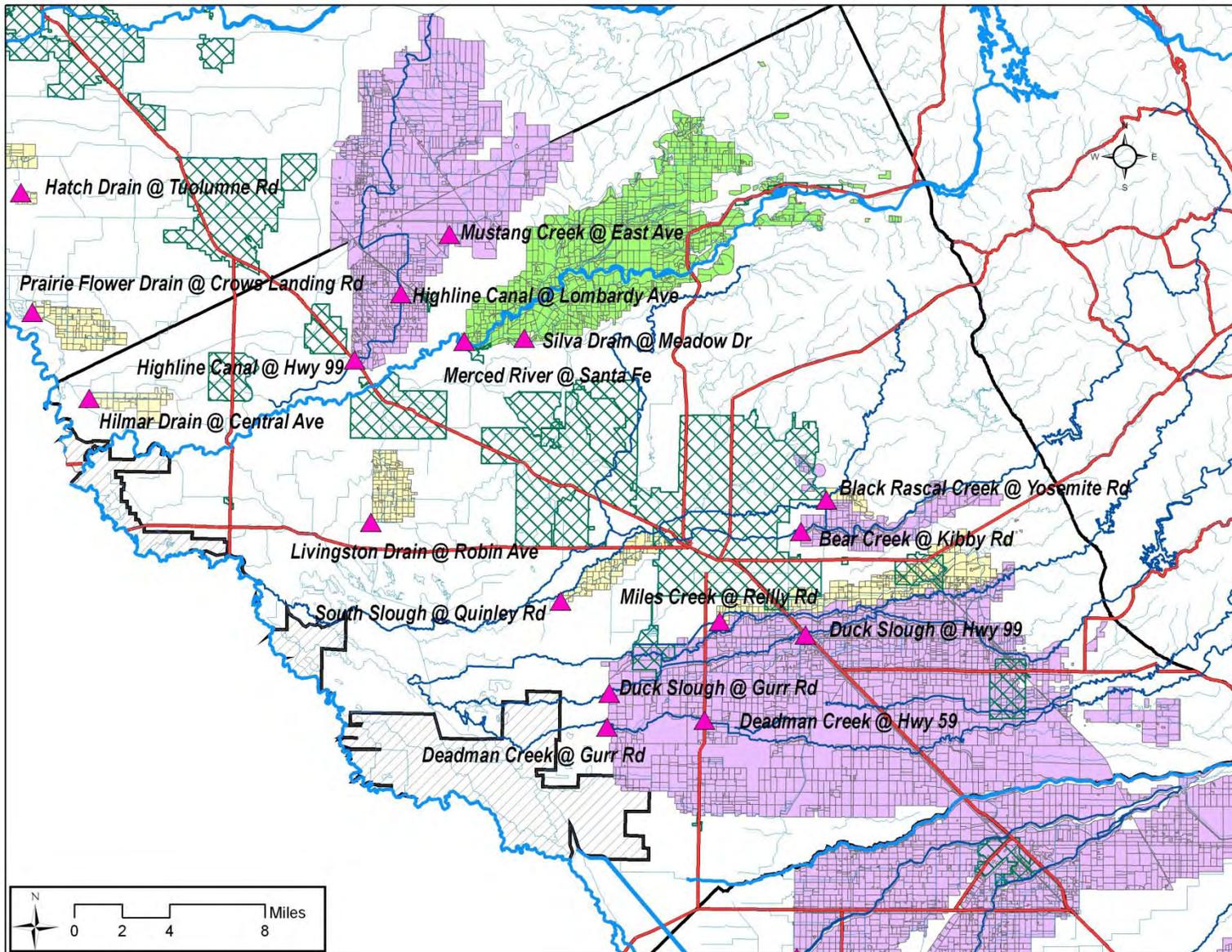


**Figure 3. Site subwatershed size designation for Stanislaus County.**

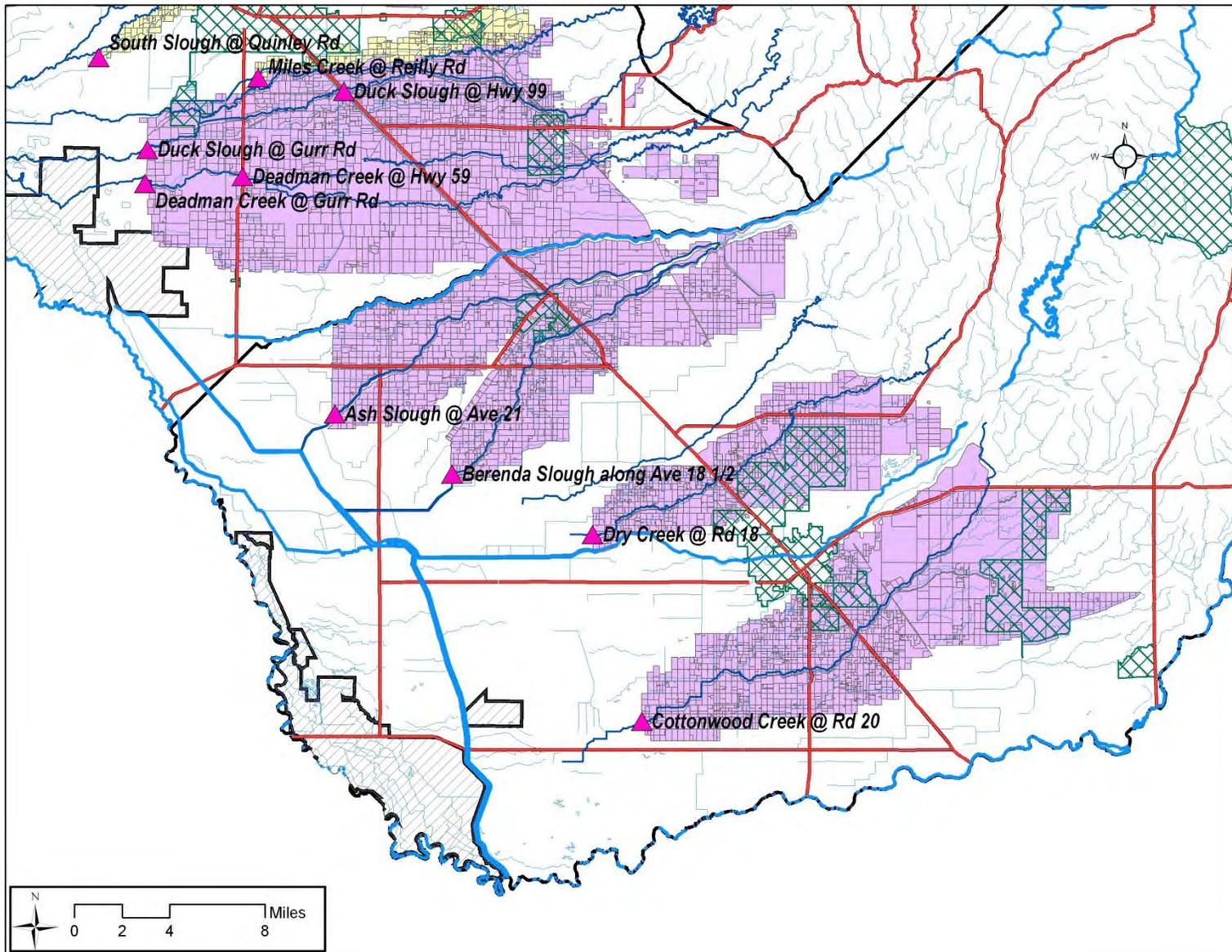
A size designation legend is included in Figure 2.



**Figure 4. Site subwatershed size designation for Merced County.**  
 A size designation legend is included in Figure 2.



**Figure 5. Site subwatershed size designation for Madera County.**  
A size designation legend is included in Figure 2.



# Monitoring Objectives

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## *History of Coalition Monitoring*

Coalition ambient water and sediment quality monitoring has been conducted in the ESJWQC region since the inception of the ILRP in 2003. Over the years both the number of sites monitored and the constituents analyzed have grown. In 2004 samples were collected from four sites and were sent to laboratories to test for nine total constituents/analytes as well as toxicity testing. By 2008, 23 monitoring sites were sampled and over 50 total analytes tested in addition to toxicity. Table 4 illustrates the sites monitored during each of the storm and irrigation seasons across years of sampling. A blank cell indicates that no sampling occurred at that site during the specified season. "Dry" indicates that the site was dry during one or more events during the specified monitoring season.

**Table 4. Sample sites and years monitored.**

Station Name	2004	2005		2006		2007		2008	
	Irrigation	Storm	Irrigation	Storm	Irrigation	Storm	Irrigation	Storm	Irrigation
Ash Slough @ Ave 21			x	x	x	Dry	Dry	Dry	Dry
August Road Drain upstream of Crows Landing Bridge (Hogin Rd)	x								
Bear Creek @ Kibby Rd		x	x	x	x	x	x	x	x
Berenda Slough along Ave 18 1/2					x	Dry	x	x	Dry
Black Rascal Creek @ Yosemite Rd					x	x	x	x	x
Cottonwood Creek @ Rd 20		x	x	x	x	Dry	x	x	x
Cottonwood Creek @ Hwy 145 <sup>1</sup>									x
Deadman Creak @ Hwy 59					x	x	x	x	x
Deadman Creek (Dutchman) @ Gurr Rd	x				x	x	x	x	x
Dry Creek @ Rd 18			x	Dry	x	x	x	x	x
Dry Creek @ Rd 22 <sup>1</sup>									x
Dry Creek @ Rd 28½ <sup>1</sup>									x
Dry Creek @ Waterford Rd <sup>1</sup>									x
Dry Creek @ Wellsford Rd		x	x	x	x	x	x	x	x
Duck Slough @ Gurr Rd	x	x	x	x	x	x	x	x	x
Duck Slough @ Hwy 59 <sup>1</sup>									x
Duck Slough @ Hwy 99		x	x	x	x	x	x	x	x
Duck Slough @ Whealan Rd <sup>1</sup>									x
Highline Canal @ Hwy 99			x	x	x	x	x	x	x
Highline Canal @ Lombardy Rd		x	x	x	x	x	x	x	x
Hilmar Drain @ Central Ave		x	x	x	x	x	x	x	x
Hilmar Drain @ Mitchell Rd <sup>1</sup>									x
Jones Drain @ Oakdale Rd		x	x	x	x	x	x		
Lone Willow Slough @ Madera Ave		x	x						
Merced River @ Santa Fe	x	x	x	x	x	x	x	x	x
Mustang Creek @ East Ave					x	x	x	x	Dry
North Slough @ Hwy 59 <sup>1</sup>									Dry
Prairie Flower Drain @ Crows Landing Rd		x	x	x	x	x	x	x	x
Prairie Flower Drain @ Morgan Rd <sup>1</sup>									x
Reclamation Drain @ Williams Ave <sup>1</sup>									x
Silva Drain @ Meadow Dr					x	x	x	x	x
South Slough @ Quinley Rd					x	Dry	x	x	x
Hatch Drain @ Tuolumne Rd							x	x	x
Livingston Drain @ Robin Ave							x	x	x
Miles Creek @ Reilly Rd							x	x	x
Westport Drain @ Vivian Rd							x	x	x

<sup>1</sup>Upstream sampling of normal monitoring locations conducted for source identification.

## ***Irrigation Season Monitoring 2008***

### **Monitoring Characterization**

#### *Normal Monitoring*

This report covers monitoring conducted during the irrigation season between the months of April 2008 and September 2008. The irrigation season sampling is designed to characterize the discharge from irrigated agriculture as a result of irrigation return flows. Sampling during the irrigation season occurs once per month per site, or twice per month if a site's management plan specifies additional monitoring.

Irrigation season sediment samples are collected during the month of August. The Coalition collected sediment samples on August 28, 2008.

#### *Management Plan Monitoring*

During the irrigation season of 2007, the Coalition initiated additional monitoring as part of the ESJWQC Management Plan's strategy to identify contaminant sources and evaluate effectiveness of newly implemented management practices. This additional monitoring included monitoring for a constituent/location under a management plan twice during a month for which that constituent exceeded a water quality trigger limit (WQTL). In 2008, for constituent/locations where exceedances continued to occur for a second year under a management plan, the Coalition sampled upstream. Details on the process and the schedule of Management Plan Monitoring are found in the ESJWQC Management Plan submitted September 30, 2008 to the Regional Board.

### **Monitoring Objectives**

The objectives of the ESJWQC monitoring program are to:

- Determine the concentration and load of waste in discharges to surface waters
- Evaluate compliance with existing narrative and numeric water quality objectives to determine if implementation of additional management practices is necessary to improve and/or protect water quality
- Assess the impact of waste discharges from irrigated agriculture to surface water
- Determine the degree of implementation of management practices to reduce discharge of specific wastes that impact water quality in watersheds within the coalition region
- Determine the effectiveness of management practices and strategies to reduce discharges of wastes that impact water quality

In order to achieve the objectives listed above, the ESJWQC monitored water quality at 23 sites in the Coalition region during the 2008 irrigation season. The Coalition sampled for numerous water quality variables and constituents including 39 pesticides, *E. coli*, physical parameters (total dissolved solids, color and turbidity), eight metals, total organic carbon, nutrients, field parameters (dissolved oxygen, pH, electrical conductivity), water toxicity to three test species including *Ceriodaphnia dubia*, *Pimephales promelas* and *Selenastrum capricornutum* and sediment toxicity to *Hyalella azteca*. Monitoring constituents are established by the MRP (Order No. R5-2005-0833) and are discussed in more detail below.

Three sites (Ash Slough @ Ave 21, Berenda Slough @ Rd 18½ and Mustang Creek @ East Ave) were not sampled at all during the 6-month irrigation season due to persistent dry conditions. All dry sites, as well as all sites sampled successfully, were documented by photographs which are available on request.

### ***Pesticides and Toxicity***

Pesticides can be found in the water column or sediment as a result of applications to fields that are subsequently irrigated. Irrigation return flows from fields can move sediment and chemicals to surface waters. The concentrations can be compared to numeric and narrative water quality triggers to determine if exceedances have been experienced. Toxicity testing is complementary to chemical analyses and can provide an independent and more direct assessment of the level of impairment in the water body. The objective of the Coalition is to use the results of toxicity testing along with water chemistry analysis to assess the impact of discharges from irrigated agriculture.

### ***Nutrients and Physical Parameters***

Excessive nutrients can cause eutrophication of surface waters resulting in elevated total organic carbon, color content, and turbidity. All of these factors can independently cause impairment of surface waters. The Coalition's objective is to determine if exceedances are occurring and to determine if potential sources can be identified through analysis of monitoring data. However, sources of nutrients, organic carbon, color, and low dissolved oxygen are difficult to identify. If current monitoring data are not sufficient, the Coalition may conduct further investigations to identify sources. Such investigations may include special studies when they are determined to be cost effective. By understanding the sources of constituents responsible for the exceedances, the Coalition can properly recommend management practices to address exceedances of nutrients and physical parameters.

### ***Field Parameters***

Much like physical parameters, exceedances of water quality objectives for pH, dissolved oxygen (DO), and specific conductance (EC) are difficult to track to sources. All of these parameters are non-conserved meaning that they can increase or decrease in concentration as water moves downstream. These parameters are the result of processes occurring in the water column and sediment and can vary diurnally. As with nutrients and physical parameters, the Coalition's objective is to determine if exceedances are occurring and to investigate potential sources through analysis of monitoring data and special studies where they are cost effective. By understanding the sources of constituents that may affect field parameters, the Coalition can properly recommend management practices to address the exceedances.

## ***E. coli***

*E. coli* inhabits the intestinal tracts of animals and is voided in fecal material. *E. coli* may persist in the presence of oxygen in the environment for periods of time after being voided. The bacteria are also known to reproduce and magnify in the environment. However, conditions under which this occurs are not well understood and require additional research. Any species of vertebrate that voids feces can contribute *E. coli* to surface waters, including humans, companion animals such as dogs and cats, cows, chickens, waterfowl (ducks and geese), raccoons, otters, ground squirrels, feral pigs, and in some locations deer. Consequently, there may be a large amount of bacteria in any environmental sample that is collected.

As a result of *E. coli* detections in samples collected for Coalition monitoring, a special study was conducted in 2006 to identify the contributing sources of *E. coli* in Coalition water bodies. Results from this study indicated that the most prominent source of bacteria being discharged into water bodies is human, with smaller contributions coming from bovine and chicken. A full report of the *E. coli* special study was submitted to the CVRWQCB on September 9, 2007.

*E. coli* from humans can enter aquatic systems from leaky septic systems, leaky sanitary sewer lines, improperly treated discharge from waste water treatment plants, application of biosolids to agricultural land, and direct inputs from individuals who defecate in or near water bodies. Input from cows can occur from dairies, grazing in irrigated pastures, and various manure sources. *E. coli* from chickens can enter from poultry operations or manure sources. Irrigated agriculture is responsible for management if *E. coli* contamination is the result of runoff from irrigated pasture or manure applications for fertilizer.

## ***Metals***

The Coalition samples for four basic classes of metals: 1) those that are naturally present because of underlying geologic materials but generally not applied by agriculture (boron, selenium, 2) those that are naturally present because of underlying geologic materials but are applied by agriculture (copper, zinc, nickel), 3) those that may be legacy pesticides but also have numerous nonagricultural sources (lead, arsenic), and 4) those that are found solely as a result of nonagricultural anthropogenic sources (cadmium). These categories are not all mutually exclusive and in fact, all metals belong to the first category. For example, nickel is a plant micronutrient that may be incorporated into fertilizer mixes, although normally there is a sufficient quantity of nickel in soils to supply the needs of crops. As a result, although it may be applied by agriculture, exceedances would be expected to primarily be a result of natural weathering of soils.

Natural weathering of geologic materials can release to surface waters metals and metalloid elements such as selenium, arsenic, and boron. Selenium salts are naturally elevated in the southwest portion of the San Joaquin Valley and are transported to surface waters during storm runoff. These salts are so problematic that there is a prohibition of discharge of irrigation tail water in some locations in the Valley. Arsenic appears to be naturally elevated in several locations in the San Joaquin Valley. Zinc and nickel are also found in soils and can be found in

surface waters at levels that reflect background concentrations. Both of these metals can be applied during agricultural operations as well, and the difference between applications and natural weathering must be understood to properly manage the amounts reaching surface waters. Understanding background levels of these elements will be an important task for the Coalition when trying to understand the impacts of agricultural inputs to surface waters.

While all other metals can be released as a result of the weathering of geologic materials, elevated levels of most metals are a result of anthropogenic inputs. Lead was used as a pesticide during the last century but was used in declining amounts over the last several decades before being prohibited in the 1990s. Lead was also used in gasoline until the early 1980s when it was replaced by other fuel oxygenates. Lead-based paint was routinely used until the latter parts of the last century but is still present in many old buildings and structures. Lead is also a component of batteries, and is the material in solder in numerous electronic devices including televisions, computers, and cell phones. These sources can be distinguished through sophisticated analytical tests that are beyond the capabilities of the Coalition. Copper is routinely used by agriculture on a number of crops and could be found in surface waters as a result of applications. Additional sources include road surfaces where wearing of brake pads can result in substantial loading to surface waters.

Because fertilizer applications and the micronutrient constituents included in fertilizer mixes are not reported, there is no way the Coalition can distinguish between natural and anthropogenic sources with normal monitoring data. Several of these metals can be identified to source using sophisticated analytical equipment and techniques, but these tests are beyond the capabilities of the Coalition. Consequently, the Coalition will use monitoring data to determine if exceedances are occurring, and will attempt to establish background concentrations of some metals in surface waters to determine if concentrations are a result of natural or anthropogenic inputs to the water. In addition, starting in October 2008, the Coalition will analyze for both dissolved and total metals to determine the amount of metals that are bioavailable.

## Sampling Site Descriptions

The site names, codes and locations of the 23 sites and 11 upstream Management Plan sites monitored during the 2008 irrigation season are provided in Table 5. A narrative description of each site subwatershed with respect to hydrology and agricultural production follows below.

**Table 5. ESJWQC irrigation 2008 sampling locations.**

Site Name	Station Code	Latitude	Longitude
Upstream Management Plan Site Name			
Ash Slough @ Ave 21	545XASAAT	37.0545	-120.4158
Bear Creek @ Kibby Rd	535XBCAKR	37.3128	-120.4138
Berenda Slough along Ave 18 1/2	545XBSAAE	37.0182	-120.3265
Berenda Slough @ Rd 19	545XBSARN	37.1214	-120.2021
Black Rascal Creek @ Yosemite Rd	535BRCAYR	37.3321	-120.3947
Cottonwood Creek @ Rd 20	545XCCART	36.8686	-120.1818
Cottonwood Creek @ Hwy 145	545XCCAHO	36.9002	-120.0555
Deadman Creek @ Gurr Rd	535XDCAGR	37.1936	-120.5612
Deadman Creek @ Hwy 59	535DMCAHF	37.1981	-120.4869
Dry Creek @ Rd 18	545XDCARE	36.9818	-120.2195
Dry Creek @ Rd 22	545XDCART	37.0057	-120.1471
Dry Creek @ Rd 28 1/2	545XDCATE	37.0679	-120.0292
Dry Creek @ Wellsford Rd	535XDCAWR	37.6602	-120.8743
Dry Creek @ Waterford Rd	535XDCWF	37.6588	-120.7789
Duck Slough @ Gurr Rd	535XDSAGR	37.2142	-120.5596
Duck Slough @ Hwy 59	535XDShFN	37.2345	-120.4881
North Slough @ Hwy 59	535XNSHFN	37.2277	-120.4880
Duck Slough @ Hwy 99	535XDSAHN	37.2501	-120.4100
Duck Slough @ Whealan Rd	535XDSAWH	37.2615	-120.3433
Hatch Drain @ Tuolumne Rd	535XHDATA	37.5149	-121.0122
Highline Canal @ Hwy 99	535XHCHNN	37.4153	-120.7557
Highline Canal @ Lombardy Rd	535XHCHNN	37.4556	-120.7207
Hilmar Drain @ Central Ave	535XHDACA	37.3906	-120.9582
Reclamation Drain @ Williams Ave	535XRDAWA	37.3907	-120.9409
Hilmar Drain @ Mitchell Rd	535XHDAMR	37.3907	-120.9409
Livingston Drain @ Robin Ave	535XLDARA	37.3169	-120.7423
Merced River @ Santa Fe	535XMRSFD	37.4271	-120.6721
Miles Creek @ Reilly Rd	535XMCARR	37.2582	-120.4755
Mustang Creek @ East Ave	535XMCAEA	37.4918	-120.6839
Prairie Flower Drain @ Crows Landing Rd	535XPFDCL	37.4422	-121.0024
Prairie Flower Drain @ Morgan Ave	535XPFDMR	37.4379	-120.9757
Silva Drain @ Meadow Dr	535XSDAMD	37.4291	-120.6261
South Slough @ Quinley Rd	535XSSAQR	37.2699	-120.5971
Westport Drain @ Vivian Rd	535XWDAVR	37.5368	-121.0486

## ***Site Subwatershed Descriptions***

The Coalition sampled a total of 23 site subwatersheds as part of normal monitoring during the 2008 irrigation season. Eight of the subwatersheds contained one or more upstream management plan sites. Descriptions of the site subwatersheds for all sample sites and all upstream management plan sites are provided below alphabetically. Management Plan monitoring sites are indented after the associated downstream normal monitoring location.

Ash Slough @ Avenue 21 (27,704 irrigated acres) – Agriculture upstream includes vineyards, field crops, and deciduous nuts. Ash Slough flows just north of Chowchilla but there appears to be a buffer of agricultural land between Ash Slough and Chowchilla. Dairies are located upstream.

Bear Creek @ Kibby Road (6,740 irrigated acres) – This site subwatershed drains an eastern portion of the Coalition region in Merced County. Bear Creek originates in the foothills of the Sierras with Burn's Creek as one of the major tributaries. Bear Creek drains to the east just north of the towns of Planada, through Merced and eventually to the San Joaquin River. The primary irrigated agriculture in the site subwatershed includes deciduous nuts, field crops, truck crops, and irrigated pasture.

Berenda Slough along Avenue 18 ½ (26,419 irrigated acres) – Berenda Slough flows through the northern portion of Madera County and empties into the Eastside Bypass. The primary agriculture is orchards and vineyards with small amounts of pasture and field crops.

Berenda Slough @ Rd 19 (10,213 irrigated acres) – This site is upstream of Berenda Slough along Avenue 18 ½ and captures runoff from approximately 41% of the subwatershed. The primary agriculture draining into Berenda Slough is nut trees and orchards, vineyards, and pasture.

Black Rascal Creek @ Yosemite Road (535 irrigated acres) – The headwaters of Black Rascal Creek originate in the Sierra foothills. It is located just to the north of the Bear Creek site subwatershed and to the east of the city of Merced. Citrus and field crops make up the majority of the agriculture in the site subwatershed.

Cottonwood Creek @ Road 20 (40,699 irrigated acres) – This site subwatershed is at the very southern edge of the Coalition region in Madera County and drains into the Eastside Bypass. The immediate upstream agriculture is vineyards and there are deciduous nuts farther to the east. There are only a few dairies in the Cottonwood Creek site subwatershed.

Cottonwood Creek @ Hwy 145 (21,897 irrigated acres) – This site is upstream of Cottonwood Creek @ Rd 20 and captures runoff from 54% of the subwatershed. The primary agriculture draining into the site is vineyard, deciduous fruit and nut orchard, and field crops.

Deadman Creek @ Gurr Rd (51,177 irrigated acres) - This site subwatershed is a downstream site from Deadman Creek @ Hwy 59. The primary agriculture in the site subwatershed is orchards and row crops with some upstream irrigated pasture.

Deadman Creek @ Highway 59 (38,230 irrigated acres) – Deadman Creek flows out of the Sierra foothills and confluences with Dutchman’s Creek in the vicinity of Highway 59. The primary agriculture in the site subwatershed is orchards and row crops with some upstream irrigated pasture.

Dry Creek @ Road 18 (22,086 irrigated acres) – Dry Creek originates in the Sierra foothills and flows to the north of the city of Madera eventually draining into the San Joaquin River through various channels and irrigation ditches. Deciduous crops are the primary irrigated agriculture in the upper portion of the site subwatershed whereas vineyards predominate in the lower portions. There are field crops scattered throughout the site subwatershed.

Dry Creek @ Rd 22 (15,311 irrigated acres) – This site is upstream of Dry Creek @ Rd 18 and collects runoff from approximately 66% of the subwatershed. The primary irrigated agriculture draining into the site is vineyard, deciduous fruit and nut orchards, and row crops.

Dry Creek @ Rd 28 ½ (582 irrigated acres) – This site is upstream of both Dry Creek @ Rd 18 and Dry Creek @ Rd 22 and collects runoff from approximately 3% of the subwatershed. The primary irrigated agriculture draining into the site is deciduous fruit and nut orchards and citrus orchards.

Dry Creek @ Wellsford Road (23,339 irrigated acres) – This site subwatershed is in the northern part of the Coalition region and drains a combination of field crops, deciduous nuts, and vineyards. Dry Creek originates to the east of Modesto and drains into the Tuolumne River. This site subwatershed samples Dry Creek at the furthest downstream location that collects agricultural drainage prior to flowing through the urban areas of Modesto. Dairies are located upstream of this site and the town of Waterford may contribute an urban signal.

Dry Creek @ Waterford Rd (14,348 irrigated acres) – This site is upstream of Dry Creek @ Wellsford and collects runoff from approximately 62% of the irrigated agriculture in the subwatershed. The agriculture drained is of the same composition as Dry Creek @ Wellsford Rd and includes a combination of field crops, deciduous nuts, and vineyards.

Duck Slough @ Gurr Road (28,636 irrigated acres) – This site subwatershed is a monitoring location downstream from Duck Slough @ Hwy 99. Located to the south and west of Merced, this site drains field crops immediately upstream and deciduous nuts further upstream as well as some irrigated pasture. The city of Merced delivers treated water to Duck Slough a few miles upstream of the Gurr Road site. Duck Slough flows west eventually becoming Deadman Creek in the western portion of the Coalition region. The slough eventually flows into the San Joaquin River via Deadman Creek and Deep Slough.

Duck Slough @ Hwy 59 (14,036 irrigated acres) – This site is upstream of Duck Slough @ Gurr Rd halfway between Gurr Rd and Hwy 99. The area drained is approximately 59% of the irrigated agriculture in the subwatershed. Like Duck Slough @ Gurr Rd this site drains field crops immediately upstream and deciduous nuts further upstream as well as some irrigated pasture. At the bridge where the water crosses Hwy 59 a sign identifies the water body as Mariposa Creek, but its location between McNamara Rd and Owens Creek as well as aerial photographs of the region indicate otherwise.

North Slough @ Hwy 59 (16,762 irrigated acres) – This site is upstream of Duck Slough @ Gurr Rd. North Slough is fed by water from Lingard Lateral and it drains into Duck Slough 2 miles west of Hwy 59, but its flow is intermittent. It did not flow during the irrigation season of 2008 and it is unclear under what circumstances water would drain into Duck Slough. This site collects runoff from approximately 59% of the irrigated agriculture in the subwatershed, including field crops immediately upstream and deciduous nuts further upstream as well as some irrigated pasture.

Duck Slough @ Hwy 99 (15,622 irrigated acres) – This site subwatershed is located upstream of the Duck Slough @ Gurr Road site and was selected to determine relative contribution of water quality impairments in the upstream portion of the Duck Slough subwatershed. Duck Slough originates in the Sierra foothills and flows west eventually joining with Deadman Creek in the western portion of the coalition region. The monitoring site is located just east of Highway 99 south of Planada and Merced. Irrigated agriculture in this site subwatershed is primarily deciduous nuts, with truck crops and irrigated pasture the next most common land uses.

Duck Slough @ Whealan Rd (7,417 irrigated acres) – This site is upstream of Duck Slough @ Hwy 99. The drained area is approximately 47% of the subwatershed above Hwy 99 and includes deciduous nuts, truck crops and irrigated pasture.

Hatch Drain @ Tuolumne Rd (259 irrigated acres) – This small site subwatershed is located in the western portion of the Coalition region in Stanislaus County. The two major crops are citrus and field crops.

Highline Canal @ Highway 99 (35,220 irrigated acres) – The Highline Canal is a conveyance of the Turlock Irrigation District and carries both clean irrigation water and irrigation return flow during the summer, and storm water runoff during the winter. This site was selected as a downstream companion site to the Highline Canal @ Lombardy Road site. This site subwatershed is monitored to determine the relative contribution of the upstream and downstream site subwatersheds to water quality impairments. The sampling site is located just south of Delhi as the canal crosses the highway. The irrigated agriculture is primarily deciduous nuts, and these are located at the lower end of the site subwatershed. A small number of vineyards are also present.

Highline Canal @ Lombardy Road (30,154 irrigated acres) – The Highline Canal is a conveyance of the Turlock Irrigation District and carries both clean irrigation water and irrigation return flow during the summer, and storm water runoff during the winter. The main upstream tributary of the Highline Canal is Mustang Creek. The Highline Canal flows west and eventually

drains into the Merced River. Dairies are present upstream and Mustang Creek (described below), a major tributary during the dormant season, passes immediately to the southeast of the Turlock Airport. The main agricultural crop upstream is deciduous nuts.

Hilmar Drain @ Central Ave (2,718 irrigated acres) – This site subwatershed is located toward the western edge of the Coalition region near the San Joaquin River. This is a small site subwatershed containing primarily field crops and a large number of dairies with irrigated pasture. Hilmar Drain originates at Williams Ave and Washington Road and eventually drains into the San Joaquin River. At this location the Turlock Irrigation District refers to the water body as “Reclamation Drain”.

Reclamation Drain @ Williams Ave (141 irrigated acres) – This site is upstream of Hilmar Drain @ Central Ave and immediately upstream of the confluence with Hilmar Drain @ Mitchell Rd. It collects runoff from approximately 5% of the entire subwatershed, primarily irrigated pasture and field crops.

Hilmar Drain @ Mitchell Rd (2,147 irrigated acres) – This site is upstream of Hilmar Drain @ Mitchell Rd and immediately upstream of the confluence with Reclamation Drain @ Williams Ave. It collects runoff from approximately 79% of the irrigated agriculture in the subwatershed, primarily field crops and a large number of dairies with irrigated pasture.

Livingston Drain @ Robin Ave (3,656 irrigated acres) – Livingston Drain is located in the west central portion of the Coalition region in Merced County. It is located west of Atwater and Livingston. The agriculture is almost entirely citrus.

Merced River @ Santa Fe Drive (27,796 irrigated acres) – This water body is designated as a major water body and is 303d listed. It was selected as an integrator site for several of the drains and tributaries in the vicinity. The Merced River originates in the high Sierra encountering several dams and impoundments as it flows west. The Merced River eventually drains into the San Joaquin River near Hatfield State Park. Upstream agriculture includes some field crops in the immediate vicinity of the river and deciduous nuts, primarily almonds.

Miles Creek @ Reilly Rd. (9,664 irrigated acres) – Miles Creek is located just north of Duck Slough and drains into Owen’s Creek. The primary agriculture includes field crops, deciduous nuts and fruit, pasture and truck, nursery and berry. Within the subwatershed are also urban drainages, dairies and hay and pasture lands.

Mustang Creek @ East Ave (12,113 irrigated acres) – Mustang Creek originates in the foothills of the Sierra Nevada and flows into the upper portion of the Highline Canal. Mustang Creek is ephemeral with flow found primarily during winter runoff events. Summer flows are intermittent as the upstream orchards utilize microspray irrigation. Citrus and deciduous nut crops are the main agriculture with smaller amounts of field crops and grains and hay.

Prairie Flower Drain @ Crows Landing Road (4,080 irrigated acres) – Relative to other drains in the western portion of the Coalition region, Prairie Flower Drain is longer and appears to drain mostly irrigated agriculture. Dairies and feedlots are ubiquitous in this part of the Coalition

region and this drain may receive runoff from several dairies immediately upstream. Upstream agriculture is field crops.

Prairie Flower Drain @ Morgan Ave (1,199 irrigated acres) – This site is upstream of Prairie Flower Drain @ Crows Landing Rd. It collects runoff from approximately 29% of the irrigated agriculture in the subwatershed, including irrigated pasture, feedlots, and dairies.

Silva Drain @ Meadow Drive (67 irrigated acres) – This is a very small site subwatershed that confluences with Jones Drain just upstream of the confluence of Jones Drain with the Merced River. The primary agriculture is citrus orchards with small amounts of field crops and irrigated pasture. Large dairies are found in the site subwatershed.

South Slough @ Quinley Road (2,352 irrigated acres) – South Slough begins just west of Merced and eventually flows into Bear Creek. Pasture, deciduous nuts, and citrus are the primary crops in the site watershed.

Westport Drain @ Vivian Road (1,474 irrigated acres) – This site subwatershed is located adjacent to the Hatch Drain subwatershed in the western portion of the Coalition region. The primary agriculture in this site subwatershed is citrus and field crops.

## **Monitoring and Analysis**

### **Normal Monitoring**

Table 6 specifies the constituents monitored at each site subwatershed. The Coalition monitoring program previously consisted of a mix of Phase I and Phase II monitoring elements at various sites, but was homogenized for the irrigation 2008 season to monitor all constituents at all sites, with several exceptions. Constituents listed in Table 6 include field parameters (pH, DO, EC and temperature), metals, nutrients, physical parameters (color, turbidity, total dissolved solids), total organic carbon (TOC), *E. coli*, pesticides (organophosphates, pyrethroids, carbamates, herbicides, organochlorines, and glyphosate/paraquat), water column toxicity (water flea, algae and fathead minnow) and sediment toxicity.

On November 19, 2007 the Coalition submitted a proposal to the Regional Board to drop constituents at sites that had been monitored for two or more full years which did not have a single exceedance of a water quality trigger limit. On December 14, 2007 the Coalition was notified by the Executive Officer that the Coalition would no longer need to monitor at the listed locations for the following constituents:

- Bear Creek @ Kibby Rd: pyrethroids and *Selenastrum capricornutum* toxicity,
- Cottonwood Creek @ Rd 20: pyrethroids and *Selenastrum capricornutum* toxicity,
- Dry Creek @ Wellfsford Rd: pyrethroids,
- Duck Slough @ Hwy 105: pyrethroids,
- Merced River @ Santa Fe: pyrethroids,
- Prairie Flower Drain @ Crows Landing Rd: pyrethroids.

During the first irrigation season event of 2008 toxicity to *S. capricornutum* was tested as a result of lab error for both Bear Creek @ Kibby Rd and Cottonwood Creek @ Rd 20. Both were found to be toxic, therefore the Coalition resumed monitoring for toxicity to algae for the remainder of the season.

Additionally, because two years of sampling resulted in no exceedances of *E. coli* or sediment toxicity at the Merced River @ Santa Fe sample site, both of these tests were withdrawn from the suite of analytes monitored at that site in 2006. It was brought to the attention of the Coalition after the 2008 storm season that the Coalition was not approved by the Executive Officer of the Regional Board to drop this constituent and therefore the Coalition resumed monitoring for *E. coli* during the irrigation season of 2008.

**Table 6. ESJWQC irrigation 2008 sampling constituents.**

Constituents listed below include field parameters (pH, DO, EC and temperature), metals, nutrients, physical parameters (color, turbidity, and total dissolved solids), total organic carbon (TOC), *E. coli*, pesticides (organophosphates, pyrethroids, carbamates, herbicides, organochlorines, and glyphosate/paraquat), water column toxicity (water flea, algae and fathead minnow) and sediment toxicity.

Site Name	Field Parameters	Metals	Nutrients	TOC	Physical Parameters	<i>E. coli</i>	Organophosphates	Pyrethroids	Carbamates	Herbicides	Organochlorines	Water Column Toxicity	Sediment Toxicity
Ash Slough @ Ave 21	X	X	X	X	X	X	X	X	X	X	X	X	X
Berenda Slough along Ave 18 1/2	X	X	X	X	X	X	X	X	X	X	X	X	X
Bear Creek @ Kibby Rd	X	X	X	X	X	X	X		X	X	X	X	X
Black Rascal Creek @ Yosemite Rd	X	X	X	X	X	X	X	X	X	X	X	X	X
Cottonwood Creek @ Rd 20	X	X	X	X	X	X	X		X	X	X	X	X
Deadman Creek @ Gurr Rd	X	X	X	X	X	X	X	X	X	X	X	X	X
Deadman Creek @ Hwy 59	X	X	X	X	X	X	X	X	X	X	X	X	X
Dry Creek @ Rd 18	X	X	X	X	X	X	X	X	X	X	X	X	X
Dry Creek @ Wellsford Rd	X	X	X	X	X	X	X		X	X	X	X	X
Duck Slough @ Gurr Rd	X	X	X	X	X	X	X	X	X	X	X	X	X
Duck Slough @ Hwy 99	X	X	X	X	X	X	X		X	X	X	X	X
Hatch Drain @ Tuolumne Rd	X	X	X	X	X	X	X	X	X	X	X	X	X
Highline Canal @ Hwy 99	X	X	X	X	X	X	X	X	X	X	X	X	X
Highline Canal @ Lombardy Rd	X	X	X	X	X	X	X	X	X	X	X	X	X
Hilmar Drain @ Central Ave	X	X	X	X	X	X	X	X	X	X	X	X	X
Livingston Drain @ Robin Ave	X	X	X	X	X	X	X	X	X	X	X	X	X
Merced River @ Santa Fe	X	X	X	X	X	X	X		X	X	X	X	X
Miles Creek @ Reilly Rd	X	X	X	X	X	X	X	X	X	X	X	X	X
Mustang Creek @ East Ave	X	X	X	X	X	X	X	X	X	X	X	X	X
Prairie Flower Drain @ Crows Landing Rd	X	X	X	X	X	X	X		X	X	X	X	X
Silva Drain @ Meadow Dr	X	X	X	X	X	X	X	X	X	X	X	X	X
South Slough @ Quinley Rd	X	X	X	X	X	X	X	X	X	X	X	X	X
Westport Drain @ Vivian Rd	X	X	X	X	X	X	X	X	X	X	X	X	X

## Management Plan Monitoring

Management Plans develop a strategy to identify agriculture sources of water quality impairments, identify management practices currently in place in the subwatersheds, identify potential management practices that could be implemented to further improve water quality, develop a monitoring framework to assess improvements, and establish the performance goals that are used to track progress. Management Plans were developed for all sites with two or more exceedances of a single constituent were detected in two years of monitoring (Table 7). Site subwatersheds could have management plans for one or more constituents.

Monitoring was conducted beyond that required by the MRP and are categorized into Tier I and Tier II. Tier I sampling is one additional sample from the site collected at a separate time during the month in which exceedances occur. Tier II sampling involves moving upstream in an attempt to identify additional sources. Management Plan samples were collected in the same calendar month as the exceedances that triggered the Management Plan and are analyzed only for the constituent(s) that triggered the Management Plan. Management Plans specify Tier 1 or Tier 2 monitoring, depending on the frequency and intensity of exceedances detected in the water body. If exceedances continue to occur additional actions are taken, including an attempt to locate the source with upstream sampling. Upstream samples are collected during the same event as normal monitoring yielding results from two or more locations along the length of a water body during a single sampling event.

Additional sampling took place 40 times at 11 sites and upstream sampling took place 38 times at 11 sites. Upstream Management Plan sites are indented in the above tables and site descriptions. The complete Management Plan sampling schedule for the 2008 irrigation season identifying the site and target constituent is in the table below.

**Table 7. Management Plan sampling schedule. U = upstream sampling; A = additional sampling.**

Sample Site	Month	Type	Chlorpyrifos	Bifenthrin	Diuron	Ammonia	Nitrate	Copper	<i>Ceriodaphnia dubia</i>	<i>Selenastrum capricornutum</i>	<i>Pimephales promelas</i>
Deadmans Creek @ Gurr Rd	April	A						x			
Dry Creek @ Rd 22	April	U	x					x			
Duck Slough @ Whealan	April	U						x			
Highline Canal @ Hwy 99	April	A						x			
Hilmar Drain @ Central Ave	April	A			x						
Prairie Flower @ Morgan Rd	April	U					x				
Ash Slough @ Ave 21	May	A						x			
Bear Creek @ Kibby Rd	May	A	x						x		
Berenda Slough at Rd 19	May	U								x	
Black Rascal Creek @ Yosemite	May	A	x						x		
Cottonwood Creek @ Hwy 145	May	U						x			
Deadmans Creek @ Gurr Rd	May	A						x			x
Dry Creek @ Rd 22	May	U						x			
Duck Slough @ Whealan	May	U	x								
Highline Canal @ Hwy 99	May	A							x		
Highline Canal @ Lombardy Rd	May	A						x			
Livingston Drain @ Robin Ave	May	A						x			
Miles Creek @ Reilly Rd	May	A						x			
Prairie Flower @ Morgan Rd	May	U					x				
Ash Slough @ Ave 21	June	A						x			
Cottonwood Creek @ Hwy 145	June	U						x			
Deadmans Creek @ Gurr Rd	June	A									x
Dry Creek @ Rd 22	June	U						x			
Duck Slough @ Hwy 59	June	U						x			
Duck Slough @ Whealan	June	U						x			
Highline Canal @ Hwy 99	June	A						x			
Highline Canal @ Lombardy Rd	June	A							x		
Hilmar Drain @ Central Ave	June	A			x						
Livingston Drain @ Robin Ave	June	A						x			
Miles Creek @ Reilly Rd	June	A						x			
Prairie Flower @ Morgan Rd	June	U					x				
Ash Slough @ Ave 21	July	A	x					x			
Bear Creek @ Kibby Rd	July	A	x						x		

Sample Site	Month	Type	Chlorpyrifos	Bifenthrin	Diuron	Ammonia	Nitrate	Copper	<i>Ceriodaphnia dubia</i>	<i>Selenastrum capricornutum</i>	<i>Pimephales promelas</i>
Berenda Slough at Rd 19	July	U	x							x	
Black Rascal Creek @ Yosemite	July	A	x						x		
Cottonwood Creek @ Hwy 145	July	U						x			
Dry Creek @ Rd 22	July	U	x					x			
Dry Creek @ Rd 28 ½	July	U						x			
Dry Creek @ Waterford Rd	July	U	x								
Duck Slough @ Hwy 59	July	U						x		x	
North Slough @ Hwy 59	July	U						x		x	
Duck Slough @ Whealan	July	U	x					x			
Highline Canal @ Hwy 99	July	A	x					x			
Highline Canal @ Lombardy Rd	July	A	x								
Hilmar Drain @ Mitchell Ave	July	U				x	x	x		x	
Reclamation Drain @ Williams Ave	July	U				x	x	x		x	
Livingston Drain @ Robin Ave	July	A						x			
Merced River @ Santa Fe	July	A							x		
Prairie Flower @ Morgan Rd	July	U					x				x
Silva Drain @ Meadow Dr	July	A	x								
Ash Slough @ Ave 21	August	A	x					x			
Black Rascal Creek @ Yosemite	August	A	x						x		
Cottonwood Creek @ Hwy 145	August	U						x			
Deadmans Creek @ Hwy 59	August	A	x								
Dry Creek @ Rd 22	August	U						x			
Dry Creek @ Waterford Rd	August	U	x								
Duck Slough @ Whealan	August	U						x			
Highline Canal @ Hwy 99	August	A						x			
Highline Canal @ Lombardy Rd	August	A								x	
Merced River @ Santa Fe	August	A							x		
Miles Creek @ Reilly Rd	August	A						x			
Prairie Flower @ Morgan Rd	August	U	x				x				
Silva Drain @ Meadow Dr	August	A	x								
Ash Slough @ Ave 21	September	A						x			
Berenda Slough at Rd 19	September	U	x								
Black Rascal Creek @ Yosemite	September	A	x								
Cottonwood Creek @ Hwy 145	September	U						x			
Deadmans Creek @ Hwy 59	September	A	x								

Sample Site	Month	Type	Chlorpyrifos	Bifenthrin	Diuron	Ammonia	Nitrate	Copper	<i>Ceriodaphnia dubia</i>	<i>Selenastrum capricornutum</i>	<i>Pimephales promelas</i>
Dry Creek @ Rd 22	September	U						x			
Dry Creek @ Rd 28 ½	September	U						x			
Dry Creek @ Waterford Rd	September	U	x						x		
Duck Slough @ Hwy 59	September	U								x	
North Slough @ Hwy 59	September	U								x	
Duck Slough @ Whealan	September	U						x			
Highline Canal @ Hwy 99	September	A							x		
Highline Canal @ Lombardy Rd	September	A							x		
Livingston Drain @ Robin Ave	September	A						x			
Prairie Flower @ Morgan Rd	September	U	x				x		x		

## Location Maps of Sample Sites and Land Use

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All site subwatersheds listed in Table 8 and Table 9 drain agricultural land in the Coalition region. The tables provided include the acreage for each major crop or land use type and indicate whether the land area is irrigated or non-irrigated. Land use maps are provided in Figure 6 – Figure 9 for locations involved in normal monitoring. The maps include parcel specific land use data in each of the site subwatersheds as well as the hydrology that drains those parcels. Not included are roadside ditches that may drain fields to the nearest surface water body. Ditches are constructed to move water draining from roads adjacent to the fields and are not generally constructed or used to move water draining from agricultural fields. Land use information was obtained from data provided by California Department of Water Resources (<http://www.landwateruse.water.ca.gov/annualdata/landuse/2001/landuselevels.cfm>). Land use maps for upstream sampling locations can be found in the ESJWQC Management Plan. A narrative description of each site subwatershed monitored during the 2008 irrigation season is provided in the previous section, Sampling Sites Descriptions.

**Table 8. Land use acreage of site subwatersheds monitored during the 2008 irrigation season.**

The land uses are designated as irrigated/non-irrigated (I/NI). Sites are listed alphabetically from Ash Slough to Hatch Drain.

Land Use	I/NI	Ash Slough @ Ave 21	Bear Creek @ Kibby Rd	Beranda Slough along Ave 18 1/2	Black Rascal Creek @ Yosemite Rd	Cottonwood Creek @ Rd 20	Deadman Creek @ Gurr Rd	Deadman Creek @ Hwy 59	Dry Creek @ Wellsford Rd	Dry Creek @ Rd 18	Duck Slough @ Gurr Rd	Duck Slough @ Hwy 99	Hatch Drain @ Tuolumne Rd
Citrus	I		48.1	96.7		570.6	7.3	7.3	7.6	421.7			
Deciduous nut and fruit	I	6,888.9	2,934.7	15,573.5	179.8	10,325.6	11,333.2	10,246.3	8,064.3	12,103.0	8,766.3	8,290.2	
Field crop	I	9,101.3	1,581.2	3,048.0	142.2	3,724.4	16,221.1	11,457.9	4,515.7	1,105.3	7,974.9	2,768.3	154.9
Field crop	NI					314.2							
Grain and hay	I	726.5	223.0	1,803.7	11.4	664.1	3,120.9	2,366.3	216.0	444.4	1,271.0	415.8	
Grain and hay	NI		242.4	1,413.1	166.6	2,009.0	1,164.7	1,152.7	2,179.0	1,212.8	321.6	258.6	
Idle	I	33.0		261.0		1,172.5	671.7	665.6	238.5	495.4	831.6	314.7	
Idle	NI												
Wild vegetation	NI	998.8	237.7	3,791.6		11,329.5	12,060.0	7,318.2	3,899.9	3,916.7	3,153.7	422.5	
Water surface	NI	274.2		267.0		615.1	392.5	295.6	204.1	104.3	172.0	94.4	
Pasture	I	4,935.9	1,414.2	1,695.0	201.1	846.8	14,833.4	8,740.0	7,346.4	637.5	7,302.7	2,444.6	103.9
Pasture	NI						21.5		1,310.3		75.7	66.0	
Rice	I						913.9		1,187.9		318.1		
Feedlot, dairy, farmstead	NI	712.1	66.8	3,048.0	10.8	561.5		626.1	1,414.3	446.1	1,056.4	438.7	16.6
Truck, nursery, berry	I	635.0	539.2	115.7		85.3	3,393.0	3,328.8		169.4	2,171.8	1,388.4	
Urban	NI	1,310.8	10.1	1,366.7		10,061.8	398.7	312.3	486.2	4,614.4	675.7	474.3	11.1
Golfcourse, cemetery, landscape	NI	32.8		470.0		25.0					17.0		
Vineyard	I	5,383.2		2412.1		23,309.9	1,596.5	1,418.2	1,762.3	6,709.7			
<b>Total acres</b>		<b>31,032.4</b>	<b>7,297.4</b>	<b>33,034.3</b>	<b>712.0</b>	<b>65,615.3</b>	<b>66,128.6</b>	<b>47,935.4</b>	<b>33,538.4</b>	<b>32,696.7</b>	<b>34,108.3</b>	<b>17,376.5</b>	<b>286.5</b>
<b>Irrigated acres</b>		<b>27,703.8</b>	<b>6,740.4</b>	<b>26,418.9</b>	<b>534.6</b>	<b>40,699.2</b>	<b>51,177.2</b>	<b>38,230.3</b>	<b>23,338.6</b>	<b>22,086.4</b>	<b>28,636.2</b>	<b>15,622.1</b>	<b>258.8</b>

**Table 9. Land use acreage of site subwatersheds selected for monitoring during the 2008 irrigation season.**

The land uses are designated as irrigated/non-irrigated (I/NI). Sites are listed alphabetically from Highline Canal to Westport Drain.

Land Use	I/NI	Highline Canal @ Hwy 99	Highline Canal @ Lombardy Rd.	Highline Canal (Stanislaus County only)	Hilmar Drain @ Central Ave.	Livingston Drain @ Robin Ave	Merced River @ Santa Fe	Miles Creek @ Reilly Rd	Mustang Creek @ East Ave.	Mustang Creek @ East Ave. (Stanislaus County portion only)	Prairie Flower Drain @ Crows Landing Rd.	Silva Drain @ Meadow Dr	South Slough @ Quinley Ave.	Westport Drain @ Vivian Rd
Citrus	I	76.7	76.7	76.7			45.4	3.3						
Deciduous nut and fruit	I	20,603.1	16,644.2	12,563.6	82.7	2,366.7	14,109.4	1,767.0	4,095.3	695.9			325.9	432.0
Field crop	I	7,029.0	6,771.4	5,976.4	1,967.7	58.3	5,421.8	3,927.4	2,053.0	194.9	2,673.6	58.6	799.3	575.3
Field crop	NI						140.1							
Grain and hay	I	661.0	661.0	63.9		176.1	700.3	547.5	486.0	343.9			303.8	
Grain and hay	NI	11.6	11.6	11.6			226.3	535.9	701.3				26.9	
Idle	I	221.4	80.4			17.9	141.1	144.8					62.0	
Idle	NI						276.2							
Wild vegetation	NI	549.8	507.2	365.2	8.9	130.9	5,005.6	568.1	373.6					
Water surface	NI	182.7	179.4	163.8	11.1	2.3	256.2	81.7	5.0		30.4			
Pasture	I	4826.1	4,769.3	4,034.6	663.6	57.5	4,483.5	2,200.7	234.9		1,406.3	7.9	712.2	264.1
Pasture	NI	352.1	352.1	16.4		19.8	100.9					3.7		
Rice	I													
Feedlot, dairy, farmstead	NI	1,355.6	1187.0	993.7	215.1	145.7	1,098.9	474.9	85.9		442.6		214.4	126.3
Truck, nursery, berry	I	371.2	110.0	110.0		921.9	278.4	1,072.8					149.0	
Urban	NI	619.4	345.0	146.1		37.1	338.6	860.3					47.4	
Golfcourse, cemetery, landscape	NI	4.1	1.2				3.9	15.0						7.0
Vineyard	I	1431.6	1,041.1	824.0		57.8	2,616.0		5,244.2	3,916.5				202.4
<b>Total acres</b>		<b>38,295.3</b>	<b>32,737.5</b>	<b>25,346.2</b>	<b>2,953.6</b>	<b>3,991.8</b>	<b>35,242.5</b>	<b>12,199.6</b>	<b>13,279.3</b>	<b>5,151.1</b>	<b>4,552.8</b>	<b>70.2</b>	<b>2,640.8</b>	<b>1,607.1</b>
<b>Irrigated acres</b>		<b>35,220.0</b>	<b>30,154.0</b>	<b>23,649.1</b>	<b>2,718.5</b>	<b>3,656.1</b>	<b>27,795.8</b>	<b>9,663.5</b>	<b>12,113.4</b>	<b>5,151.1</b>	<b>4,079.9</b>	<b>66.5</b>	<b>2,352.1</b>	<b>1,473.8</b>

Figure 6. Coalition map showing all site subwatersheds identified for sampling in 2008 irrigation season.

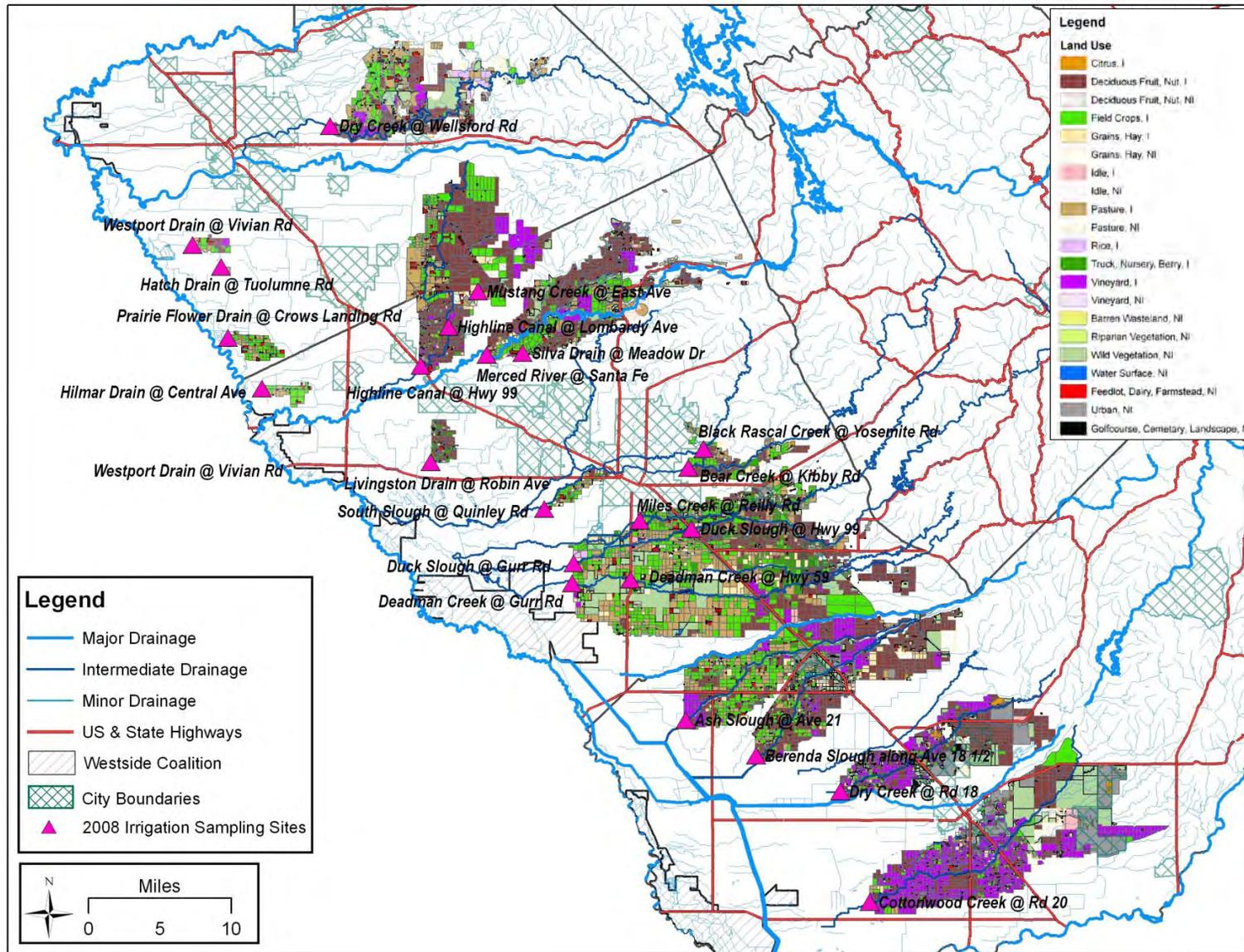


Figure 7. Land use for sampling sites in Stanislaus County.

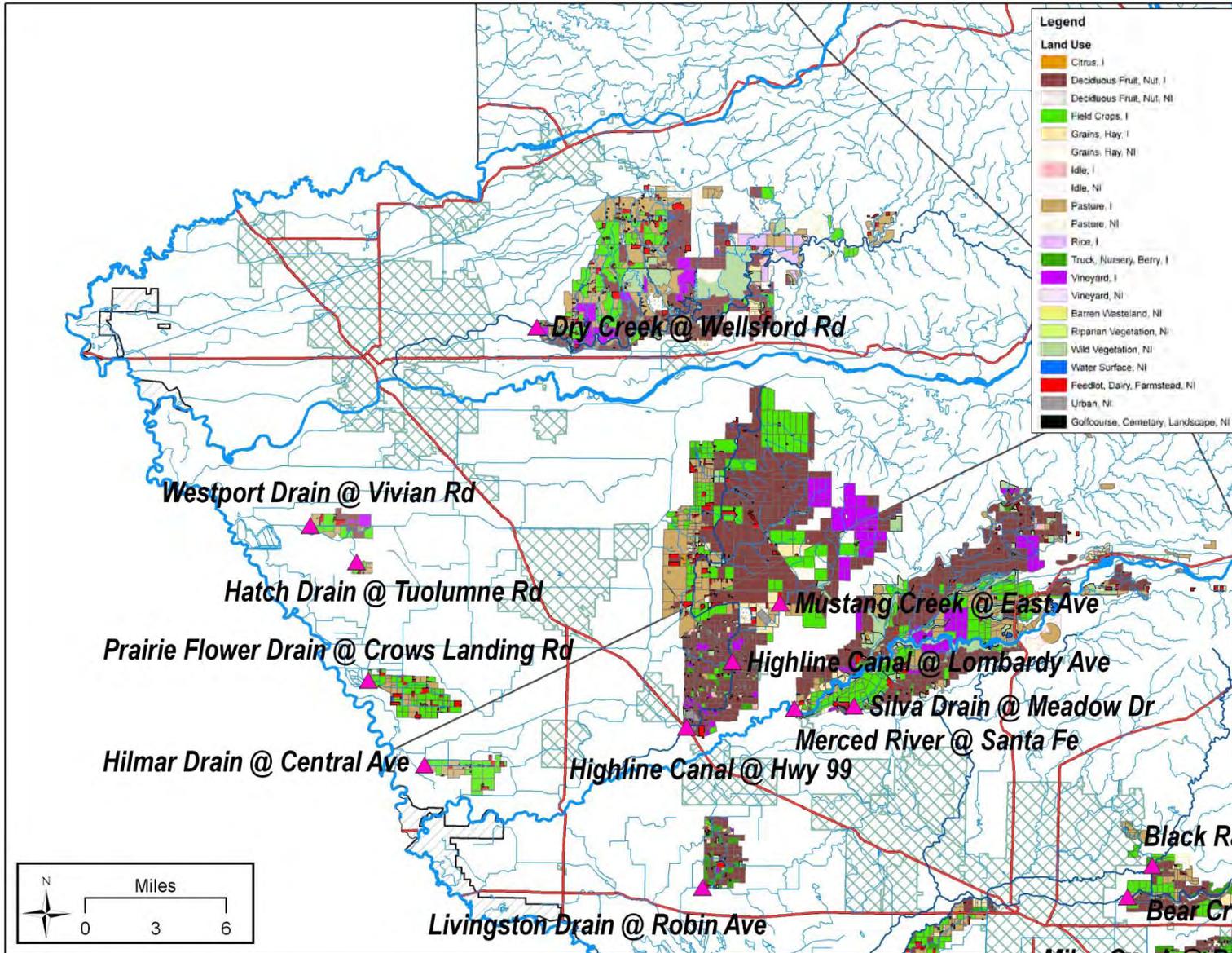


Figure 8. Land use for sampling sites in Merced County.

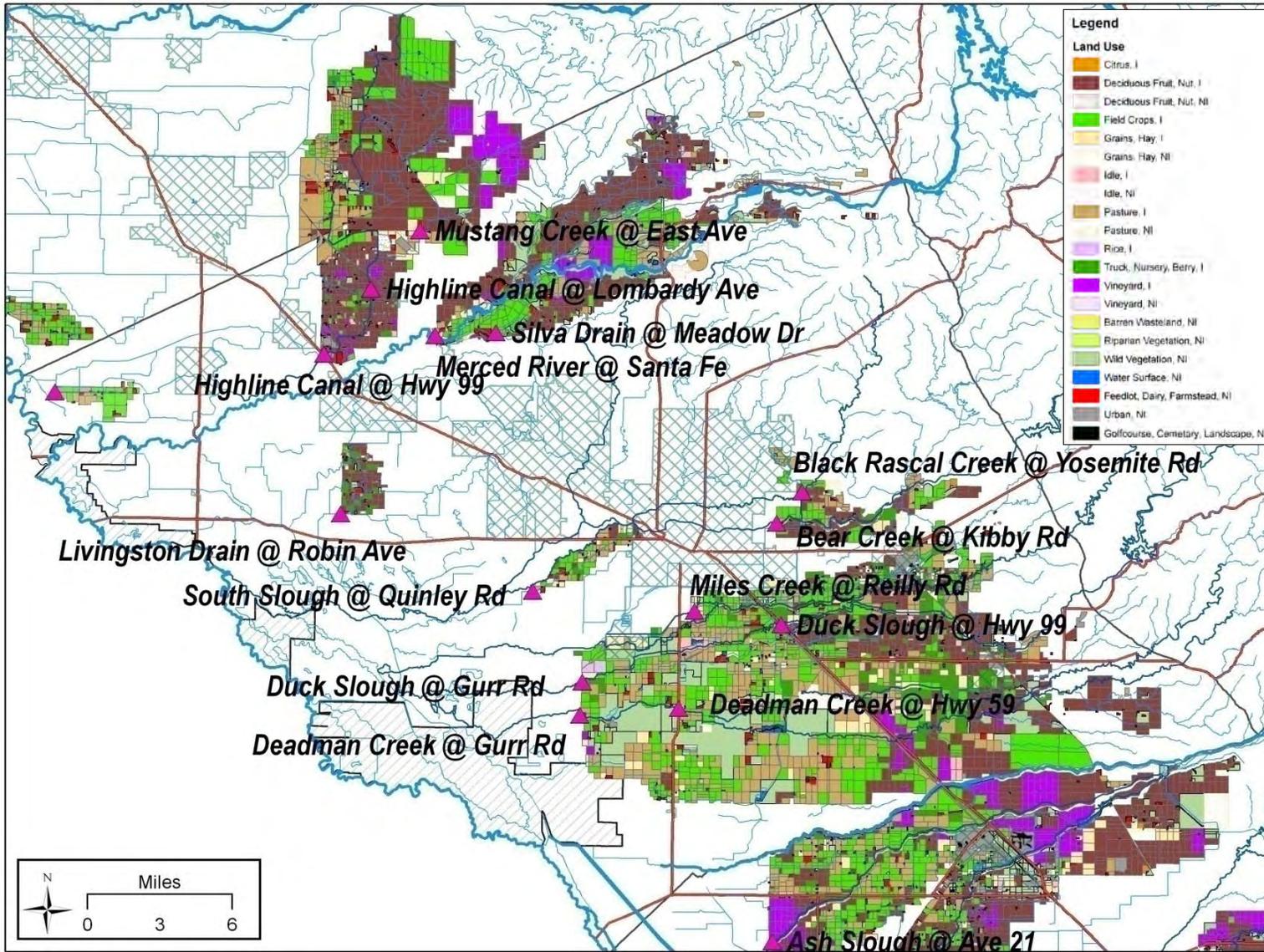
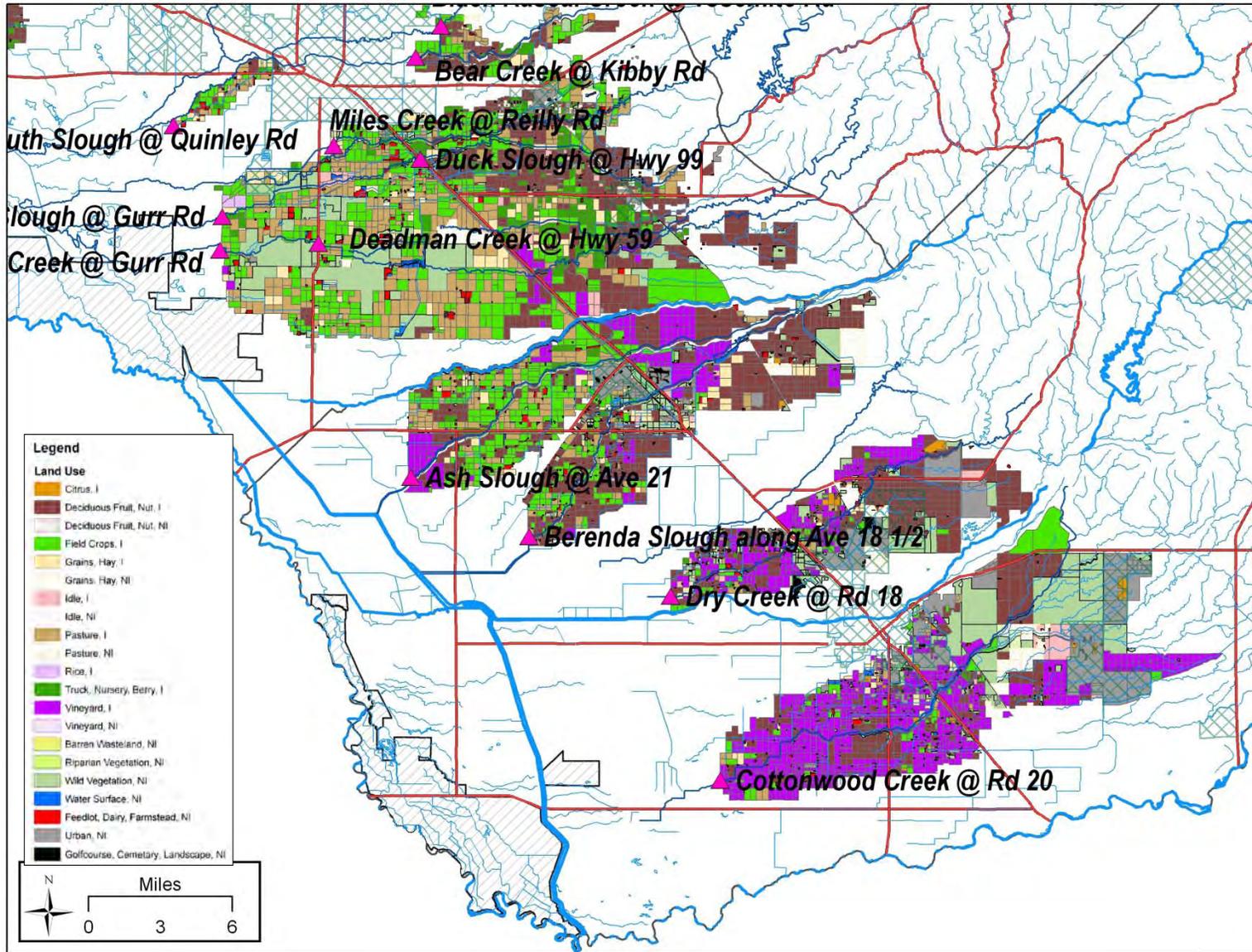


Figure 9. Land use for sampling sites in Madera County.



# Monitoring Results

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## *Sample Details*

Full monitoring results from the 2008 irrigation season are included in Appendix I. The results include field parameters, organic (pesticides), inorganics including metals, and *E. coli*, toxicity and loads for any detectable analyte with corresponding site flow. Loads have been calculated for all detections (Appendix I, Table I-6) according to the following formula:

Instantaneous Load ( $\mu\text{g}/\text{sec}$ ) = Discharge (cfs) X 28.317L x Concentration (milligram/L x 1,000 or  $\mu\text{g}/\text{L}$ ).

The load values calculated and presented for pesticides or other constituents in this report represent instantaneous loads only. These values should not be used to extrapolate loading over any period of time (e.g. weekly, monthly, seasonal or annual). The primary purpose for reporting instantaneous loads is to provide the Regional Water Board with a context for the concentrations of various constituents at the time that samples were collected.

Monitoring data include results from samples taken for normal monitoring and sediment toxicity monitoring including resampling due to toxicity. Each sampling location, sampling date, sampling time and type of monitoring is listed in Table 10. A detailed schedule of Management Plan Monitoring can be found in the ESJWQC Management Plan submitted on September 30, 2008.

**Table 10. Sample details for all 2008 irrigation season sorted by station name, sample date and monitoring event.**

NM = Normal Monitoring (water column). RS = Resampling due to toxicity. MPM = Management Plan Monitoring. SED = Sediment sampling including resampling due to toxicity.

Station Name	Station Code	Monitoring Event	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Ash Slough @ Ave 21	545XASAAT	NM	Irrigation1	4/29/2008	15:10	Dry	
Ash Slough @ Ave 21	545XASAAT	MPM	Irrigation2	5/7/2008	17:19	Dry	MPM for copper.
Ash Slough @ Ave 21	545XASAAT	NM	Irrigation2	5/27/2008	14:18	Dry	
Ash Slough @ Ave 21	545XASAAT	MPM	Irrigation3	6/3/2008	14:11	Dry	MPM for copper.
Ash Slough @ Ave 21	545XASAAT	NM	Irrigation3	6/24/2008	12:52	Dry	
Ash Slough @ Ave 21	545XASAAT	MPM	Irrigation4	7/8/2008	12:15	Dry	MPM for copper and chlorpyrifos.
Ash Slough @ Ave 21	545XASAAT	NM	Irrigation4	7/29/2008	14:23	Dry	
Ash Slough @ Ave 21	545XASAAT	MPM	Irrigation5	8/5/2008	11:30	Dry	MPM for copper and chlorpyrifos.
Ash Slough @ Ave 21	545XASAAT	NM	Irrigation5	8/26/2008	14:32	Dry	
Ash Slough @ Ave 21	545XASAAT	SED	Irrigation5	8/28/2008	10:54	Dry	
Ash Slough @ Ave 21	545XASAAT	MPM	Irrigation6	9/9/2008	10:44	Dry	MPM for copper.
Ash Slough @ Ave 21	545XASAAT	NM	Irrigation6	9/30/2008	12:23	Dry	
Bear Creek @ Kibby Rd	535XBCAKR	NM	Irrigation1	4/29/2008	16:20	None	
Bear Creek @ Kibby Rd	535XBCAKR	RS	Irrigation1	5/7/2008	14:40	None	RS due to <i>S. capricornutum</i> toxicity on 04/29/08.
Bear Creek @ Kibby Rd	535XBCAKR	MPM	Irrigation2	5/7/2008	14:40	None	MPM for chlorpyrifos and toxicity to <i>C. dubia</i> .
Bear Creek @ Kibby Rd	535XBCAKR	NM	Irrigation2	5/27/2008	16:40	None	
Bear Creek @ Kibby Rd	535XBCAKR	NM	Irrigation3	6/24/2008	16:50	None	Too deep for discharge.
Bear Creek @ Kibby Rd	535XBCAKR	MPM	Irrigation4	7/8/2008	13:40	None	MPM for chlorpyrifos and toxicity to <i>C. dubia</i> .
Bear Creek @ Kibby Rd	535XBCAKR	NM	Irrigation4	7/29/2008	18:00	None	
Bear Creek @ Kibby Rd	535XBCAKR	NM	Irrigation5	8/26/2008	16:00	None	
Bear Creek @ Kibby Rd	535XBCAKR	SED	Irrigation5	8/28/2008	14:50	None	
Bear Creek @ Kibby Rd	535XBCAKR	NM	Irrigation6	9/30/2008	13:30	None	
Bear Creek @ Kibby Rd	535XBCAKR	SED	Irrigation5	10/2/2008	13:50	None	RS due to toxicity to <i>H. azteca</i> on 8/28/08.
Berenda Slough @ Rd 19	545XBSARN	MPM	Irrigation2	5/27/2008	14:52	Dry	MPM for <i>S. capricornutum</i> .
Berenda Slough @ Rd 19	545XBSARN	MPM	Irrigation4	7/29/2008	13:40	Dry	MPM for chlorpyrifos and <i>S. capricornutum</i> .
Berenda Slough @ Rd 19	545XBSARN	MPM	Irrigation6	9/30/2008	9:01	Dry	MPM for chlorpyrifos.
Berenda Slough along Ave 18 1/2	545XBSAAE	NM	Irrigation1	4/29/2008	14:54	Dry	
Berenda Slough along Ave 18 1/2	545XBSAAE	NM	Irrigation2	5/27/2008	13:50	Dry	
Berenda Slough along Ave 18 1/2	545XBSAAE	NM	Irrigation3	6/24/2008	12:19	Dry	Isolated pools of water.
Berenda Slough along Ave 18 1/2	545XBSAAE	NM	Irrigation4	7/29/2008	14:35	Dry	Isolated pools of water.
Berenda Slough along Ave 18 1/2	545XBSAAE	NM	Irrigation5	8/26/2008	12:19	Dry	

Station Name	Station Code	Monitoring Event	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Berenda Slough along Ave 18 1/2	545XBSAAE	SED	Irrigation5	8/28/2008	10:42	Dry	
Berenda Slough along Ave 18 1/2	545XBSAAE	NM	Irrigation6	9/30/2008	12:10	Dry	
Black Rascal Creek @ Yosemite Rd	535BRCA YR	NM	Irrigation1	4/29/2008	17:20	None	
Black Rascal Creek @ Yosemite Rd	535BRCA YR	MPM	Irrigation2	5/7/2008	15:30	None	MPM for chlorpyrifos and toxicity to C. dubia.
Black Rascal Creek @ Yosemite Rd	535BRCA YR	NM	Irrigation2	5/27/2008	15:40	None	
Black Rascal Creek @ Yosemite Rd	535BRCA YR	NM	Irrigation3	6/24/2008	15:30	None	
Black Rascal Creek @ Yosemite Rd	535BRCA YR	MPM	Irrigation4	7/8/2008	13:10	None	MPM for chlorpyrifos and toxicity to C. dubia.
Black Rascal Creek @ Yosemite Rd	535BRCA YR	NM	Irrigation4	7/29/2008	18:40	None	
Black Rascal Creek @ Yosemite Rd	535BRCA YR	MPM	Irrigation5	8/5/2008	13:20	None	MPM for chlorpyrifos and toxicity to C. dubia.
Black Rascal Creek @ Yosemite Rd	535BRCA YR	NM	Irrigation5	8/26/2008	16:30	None	
Black Rascal Creek @ Yosemite Rd	535BRCA YR	SED	Irrigation5	8/28/2008	14:20	None	
Black Rascal Creek @ Yosemite Rd	535BRCA YR	MPM	Irrigation6	9/9/2008	12:00	None	MPM for chlorpyrifos.
Black Rascal Creek @ Yosemite Rd	535BRCA YR	NM	Irrigation6	9/30/2008	14:20	None	
Black Rascal Creek @ Yosemite Rd	535BRCA YR	SED	Irrigation5	10/2/2008	14:10	None	RS due to toxicity to H. azteca on 8/28/08.
Cottonwood Creek @ Rd 20	545XCCART	NM	Irrigation1	4/29/2008	10:30	None	
Cottonwood Creek @ Rd 20	545XCCART	RS	Irrigation1	5/7/2008	18:10	None	RS due to S. capricornutum toxicity on 04/29/08.
Cottonwood Creek @ Rd 20	545XCCART	NM	Irrigation2	5/27/2008	10:40	None	
Cottonwood Creek @ Rd 20	545XCCART	NM	Irrigation3	6/24/2008	10:30	None	
Cottonwood Creek @ Rd 20	545XCCART	NM	Irrigation4	7/29/2008	11:10	None	
Cottonwood Creek @ Rd 20	545XCCART	NM	Irrigation5	8/26/2008	10:30	None	
Cottonwood Creek @ Rd 20	545XCCART	SED	Irrigation5	8/28/2008	9:50	None	
Cottonwood Creek @ Rd 20	545XCCART	NM	Irrigation6	9/30/2008	11:00	Dry	
Cottonwood Creek at Highway 145	545XCCAHO	MPM	Irrigation2	5/27/2008	11:40	None	MPM for copper.
Cottonwood Creek at Highway 145	545XCCAHO	MPM	Irrigation3	6/24/2008	9:30	None	MPM for copper.
Cottonwood Creek at Highway 145	545XCCAHO	MPM	Irrigation4	7/29/2008	10:10	None	MPM for copper.
Cottonwood Creek at Highway 145	545XCCAHO	MPM	Irrigation5	8/26/2008	9:40	None	MPM for copper.
Cottonwood Creek at Highway 145	545XCCAHO	MPM	Irrigation6	9/30/2008	10:39	Dry	MPM for copper.
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	MPM	Irrigation1	4/22/2008	14:10	None	MPM for copper.
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	NM	Irrigation1	4/29/2008	12:50	None	
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	MPM	Irrigation2	5/20/2008	15:00	None	MPM for copper and toxicity to P. Promelas.
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	NM	Irrigation2	5/27/2008	12:30	None	
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	MPM	Irrigation3	6/17/2008	14:50	None	MPM for toxicity to P. Promelas.
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	NM	Irrigation3	6/24/2008	11:00	None	Water flowing W to E.
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	NM	Irrigation4	7/29/2008	11:40	None	Water flowing W to E.
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	NM	Irrigation5	8/26/2008	10:40	None	

Station Name	Station Code	Monitoring Event	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	SED	Irrigation5	8/28/2008	11:50	None	
Deadman Creek (Dutchman) @ Gurr Rd	535XDCAGR	NM	Irrigation6	9/30/2008	10:30	None	
Deadman Creek @ Hwy 59	535DMCAHF	NM	Irrigation1	4/29/2008	13:50	None	
Deadman Creek @ Hwy 59	535DMCAHF	RS	Irrigation1	5/7/2008	13:20	None	RS due to S. capricornutum toxicity on 04/29/08.
Deadman Creek @ Hwy 59	535DMCAHF	NM	Irrigation2	5/27/2008	13:30	None	
Deadman Creek @ Hwy 59	535DMCAHF	NM	Irrigation3	6/24/2008	12:00	None	
Deadman Creek @ Hwy 59	535DMCAHF	NM	Irrigation4	7/29/2008	12:30	None	
Deadman Creek @ Hwy 59	535DMCAHF	MPM	Irrigation5	8/5/2008	12:00	None	MPM for Chlorpyrifos.
Deadman Creek @ Hwy 59	535DMCAHF	NM	Irrigation5	8/26/2008	11:40	None	
Deadman Creek @ Hwy 59	535DMCAHF	SED	Irrigation5	8/28/2008	11:20	None	
Deadman Creek @ Hwy 59	535DMCAHF	MPM	Irrigation6	9/9/2008	11:20	None	MPM for Chlorpyrifos.
Deadman Creek @ Hwy 59	535DMCAHF	NM	Irrigation6	9/30/2008	12:20	None	
Deadman Creek @ Hwy 59	535DMCAHF	SED	Irrigation5	10/2/2008	12:40	None	RS due to toxicity to H. azteca on 8/28/08.
Dry Creek @ Rd 18	545XDCARE	NM	Irrigation1	4/29/2008	12:00	None	
Dry Creek @ Rd 18	545XDCARE	NM	Irrigation2	5/27/2008	12:30	None	
Dry Creek @ Rd 18	545XDCARE	NM	Irrigation3	6/24/2008	11:30	None	
Dry Creek @ Rd 18	545XDCARE	NM	Irrigation4	7/29/2008	15:30	None	
Dry Creek @ Rd 18	545XDCARE	NM	Irrigation5	8/26/2008	12:30	None	
Dry Creek @ Rd 18	545XDCARE	SED	Irrigation5	8/28/2008	10:20	None	
Dry Creek @ Rd 18	545XDCARE	NM	Irrigation6	9/30/2008	11:20	Dry	
Dry Creek @ Rd 18	545XDCARE	SED	Irrigation5	10/2/2008	11:02	Dry	RS due to toxicity to H. azteca on 8/28/08.
Dry Creek @ Road 22	545XDCART	MPM	Irrigation1	4/29/2008	14:30	None	MPM for copper and chlorpyrifos. Too deep for discharge.
Dry Creek @ Road 22	545XDCART	MPM	Irrigation2	5/27/2008	13:30	None	MPM for copper.
Dry Creek @ Road 22	545XDCART	MPM	Irrigation3	6/24/2008	13:30	None	MPM for copper.
Dry Creek @ Road 22	545XDCART	MPM	Irrigation4	7/29/2008	16:20	None	MPM for copper and chlorpyrifos.
Dry Creek @ Road 22	545XDCART	MPM	Irrigation5	8/26/2008	11:30	None	MPM for copper.
Dry Creek @ Road 22	545XDCART	MPM	Irrigation6	9/30/2008	11:50	None	MPM for copper.
Dry Creek @ Rd 28 1/2	545XDCATE	MPM	Irrigation4	7/29/2008	13:00	None	MPM for copper.
Dry Creek @ Rd 28 1/2	545XDCATE	MPM	Irrigation6	9/30/2008	9:34	Dry	MPM for copper.
Dry Creek @ Waterford Rd	535XDCWF	MPM	Irrigation4	7/22/2008	9:50	None	MPM for chlorpyrifos.
Dry Creek @ Waterford Rd	535XDCWF	MPM	Irrigation5	8/19/2008	9:50	None	MPM for chlorpyrifos.
Dry Creek @ Waterford Rd	535XDCWF	MPM	Irrigation6	9/23/2008	9:50	None	MPM for chlorpyrifos and toxicity to C. dubia.
Dry Creek @ Wellsford Rd	535XDCAWR	NM	Irrigation1	4/22/2008	8:40	None	
Dry Creek @ Wellsford Rd	535XDCAWR	NM	Irrigation2	5/20/2008	8:40	None	
Dry Creek @ Wellsford Rd	535XDCAWR	NM	Irrigation3	6/17/2008	9:00	None	

Station Name	Station Code	Monitoring Event	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Dry Creek @ Wellsford Rd	535XDCAWR	NM	Irrigation4	7/22/2008	8:40	None	
Dry Creek @ Wellsford Rd	535XDCAWR	NM	Irrigation5	8/19/2008	8:40	None	
Dry Creek @ Wellsford Rd	535XDCAWR	SED	Irrigation5	8/28/2008	8:30	None	
Dry Creek @ Wellsford Rd	535XDCAWR	NM	Irrigation6	9/23/2008	8:30	None	
Dry Creek @ Wellsford Rd	535XDCAWR	SED	Irrigation5	10/2/2008	10:20	None	RS due to toxicity to H. azteca on 8/28/08.
Duck Slough @ Gurr Rd	535XDSAGR	NM	Irrigation1	4/29/2008	12:00	None	Mixed flow from Deane Drain and Duck Slough.
Duck Slough @ Gurr Rd	535XDSAGR	NM	Irrigation2	5/27/2008	10:40	None	Mixed flow from Deane Drain and Duck Slough.
Duck Slough @ Gurr Rd	535XDSAGR	NM	Irrigation3	6/24/2008	10:10	None	
Duck Slough @ Gurr Rd	535XDSAGR	NM	Irrigation4	7/29/2008	11:00	None	Mixed flow from Deane Drain and Duck Slough.
Duck Slough @ Gurr Rd	535XDSAGR	NM	Irrigation5	8/26/2008	9:30	None	
Duck Slough @ Gurr Rd	535XDSAGR	SED	Irrigation5	8/28/2008	12:20	None	
Duck Slough @ Gurr Rd	535XDSAGR	NM	Irrigation6	9/30/2008	9:10	None	
Duck Slough @ Gurr Rd	535XDSAGR	SED	Irrigation5	10/2/2008	12:10	None	RS due to toxicity to H. azteca on 8/28/08.
Duck Slough @ Hwy 59	535XDShFN	MPM	Irrigation3	6/24/2008	13:20	None	MPM for copper.
Duck Slough @ Hwy 59	535XDShFN	MPM	Irrigation4	7/29/2008	13:40	None	MPM for copper and toxicity to S. capricornutum.
Duck Slough @ Hwy 59	535XDShFN	MPM	Irrigation6	9/30/2008	13:10	None	MPM for toxicity to S. capricornutum.
Duck Slough @ Hwy 99	535XDShAHN	NM	Irrigation1	4/29/2008	16:00	None	Too deep for discharge.
Duck Slough @ Hwy 99	535XDShAHN	RS	Irrigation1	5/7/2008	16:10	None	RS due to S. capricornutum toxicity on 04/29/08.
Duck Slough @ Hwy 99	535XDShAHN	NM	Irrigation2	5/27/2008	15:30	None	
Duck Slough @ Hwy 99	535XDShAHN	NM	Irrigation3	6/24/2008	15:20	None	Too deep for discharge.
Duck Slough @ Hwy 99	535XDShAHN	NM	Irrigation4	7/29/2008	17:40	None	
Duck Slough @ Hwy 99	535XDShAHN	NM	Irrigation5	8/26/2008	14:30	None	
Duck Slough @ Hwy 99	535XDShAHN	SED	Irrigation5	8/28/2008	13:40	None	
Duck Slough @ Hwy 99	535XDShAHN	NM	Irrigation6	9/30/2008	15:10	None	
Duck Slough @ Hwy 99	535XDShAHN	SED	Irrigation5	10/2/2008	13:20	None	RS due to toxicity to H. azteca on 8/28/08.
Duck Slough @ Whealan Rd	535XDShAWH	MPM	Irrigation1	4/29/2008	16:40	None	MPM for copper.
Duck Slough @ Whealan Rd	535XDShAWH	MPM	Irrigation2	5/27/2008	16:00	None	MPM for chlorpyrifos.
Duck Slough @ Whealan Rd	535XDShAWH	MPM	Irrigation3	6/24/2008	14:20	None	MPM for copper.
Duck Slough @ Whealan Rd	535XDShAWH	MPM	Irrigation4	7/29/2008	18:20	None	MPM for copper and chlorpyrifos.
Duck Slough @ Whealan Rd	535XDShAWH	MPM	Irrigation5	8/26/2008	15:20	None	MPM for copper.
Duck Slough @ Whealan Rd	535XDShAWH	MPM	Irrigation6	9/30/2008	15:20	None	MPM for copper.
Hatch Drain @ Tuolumne Rd	535XHDATR	NM	Irrigation1	4/22/2008	9:30	None	
Hatch Drain @ Tuolumne Rd	535XHDATR	RS	Irrigation1	4/29/2008	8:50	None	RS due to S. capricornutum toxicity on 4/22/08.
Hatch Drain @ Tuolumne Rd	535XHDATR	NM	Irrigation2	5/20/2008	10:50	None	
Hatch Drain @ Tuolumne Rd	535XHDATR	RS	Irrigation2	5/27/2008	19:10	None	RS due to S. capricornutum toxicity on 5/20/08.

Station Name	Station Code	Monitoring Event	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Hatch Drain @ Tuolumne Rd	535XHDATR	NM	Irrigation3	6/17/2008	10:10	None	
Hatch Drain @ Tuolumne Rd	535XHDATR	NM	Irrigation4	7/22/2008	9:50	None	
Hatch Drain @ Tuolumne Rd	535XHDATR	RS	Irrigation4	7/29/2008	8:20	None	RS due to S. capricornutum toxicity on 7/22/08.
Hatch Drain @ Tuolumne Rd	535XHDATR	NM	Irrigation5	8/19/2008	10:30	None	
Hatch Drain @ Tuolumne Rd	535XHDATR	RS	Irrigation5	8/26/2008	19:50	None	RS due to S. capricornutum toxicity on 8/19/08.
Hatch Drain @ Tuolumne Rd	535XHDATR	SED	Irrigation5	8/28/2008	10:40	None	
Hatch Drain @ Tuolumne Rd	535XHDATR	NM	Irrigation6	9/23/2008	10:10	None	
Hatch Drain @ Tuolumne Rd	535XHDATR	SED	Irrigation5	10/2/2008	11:50	None	RS due to toxicity to H. azteca on 8/28/08.
Highline Canal @ Hwy 99	535XHCHNN	NM	Irrigation1	4/22/2008	13:10	None	
Highline Canal @ Hwy 99	535XHCHNN	MPM	Irrigation1	4/29/2008	8:30	None	MPM for copper, RS due to S. capricornutum toxicity on 4/22/08.
Highline Canal @ Hwy 99	535XHCHNN	MPM	Irrigation2	5/7/2008	11:50	None	MPM for toxicity to C. dubia.
Highline Canal @ Hwy 99	535XHCHNN	NM	Irrigation2	5/20/2008	13:40	None	
Highline Canal @ Hwy 99	535XHCHNN	RS	Irrigation2	5/27/2008	19:00	None	RS due to S. capricornutum toxicity on 5/20/08.
Highline Canal @ Hwy 99	535XHCHNN	MPM	Irrigation3	6/3/2008	11:10	None	MPM for copper.
Highline Canal @ Hwy 99	535XHCHNN	NM	Irrigation3	6/17/2008	13:30	None	To deep to measure discharge.
Highline Canal @ Hwy 99	535XHCHNN	MPM	Irrigation4	7/8/2008	10:20	None	MPM for copper and chlorpyrifos.
Highline Canal @ Hwy 99	535XHCHNN	NM	Irrigation4	7/22/2008	15:00	None	
Highline Canal @ Hwy 99	535XHCHNN	MPM	Irrigation5	8/5/2008	9:20	None	MPM for copper.
Highline Canal @ Hwy 99	535XHCHNN	NM	Irrigation5	8/19/2008	16:00	None	
Highline Canal @ Hwy 99	535XHCHNN	SED	Irrigation5	8/28/2008	13:50	None	
Highline Canal @ Hwy 99	535XHCHNN	MPM	Irrigation6	9/9/2008	14:00	None	MPM for toxicity to C. dubia.
Highline Canal @ Hwy 99	535XHCHNN	NM	Irrigation6	9/23/2008	13:50	None	
Highline Canal @ Hwy 99	535XHCHNN	SED	Irrigation5	10/2/2008	14:20	None	RS due to toxicity to H. azteca on 8/28/08.
Highline Canal @ Lombardy Rd	535XHCALR	NM	Irrigation1	4/22/2008	12:20	None	
Highline Canal @ Lombardy Rd	535XHCALR	MPM	Irrigation2	5/7/2008	11:00	None	MPM for copper.
Highline Canal @ Lombardy Rd	535XHCALR	NM	Irrigation2	5/20/2008	12:40	None	
Highline Canal @ Lombardy Rd	535XHCALR	RS	Irrigation2	5/27/2008	19:20	None	RS due to S. capricornutum toxicity on 5/20/08.
Highline Canal @ Lombardy Rd	535XHCALR	MPM	Irrigation3	6/3/2008	11:50	None	MPM for C. dubia.
Highline Canal @ Lombardy Rd	535XHCALR	NM	Irrigation3	6/17/2008	12:50	None	Too deep to to measure discharge.
Highline Canal @ Lombardy Rd	535XHCALR	MPM	Irrigation4	7/8/2008	14:40	None	MPM for chlorpyrifos.
Highline Canal @ Lombardy Rd	535XHCALR	NM	Irrigation4	7/22/2008	14:20	None	
Highline Canal @ Lombardy Rd	535XHCALR	MPM	Irrigation5	8/5/2008	9:40	None	MPM for S.capricornutum.
Highline Canal @ Lombardy Rd	535XHCALR	NM	Irrigation5	8/19/2008	14:10	None	
Highline Canal @ Lombardy Rd	535XHCALR	SED	Irrigation5	8/28/2008	15:30	None	
Highline Canal @ Lombardy Rd	535XHCALR	MPM	Irrigation6	9/9/2008	14:30	None	MPM for toxicity to C. dubia.

Station Name	Station Code	Monitoring Event	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Highline Canal @ Lombardy Rd	535XHCALR	NM	Irrigation6	9/23/2008	13:10	None	
Highline Canal @ Lombardy Rd	535XHCALR	SED	Irrigation5	10/2/2008	14:50	None	RS due to toxicity to H. azteca on 8/28/08.
Hilmar Drain @ Central Ave	535XHDACA	NM	Irrigation1	4/22/2008	15:20	None	
Hilmar Drain @ Central Ave	535XHDACA	MPM	Irrigation1	4/29/2008	9:40	None	MPM for Diuron, RS due to S. capricornutum toxicity on 4/22/08.
Hilmar Drain @ Central Ave	535XHDACA	NM	Irrigation2	5/20/2008	13:30	None	
Hilmar Drain @ Central Ave	535XHDACA	MPM	Irrigation3	6/3/2008	10:10	None	MPM for Diuron
Hilmar Drain @ Central Ave	535XHDACA	NM	Irrigation3	6/17/2008	13:10	None	
Hilmar Drain @ Central Ave	535XHDACA	NM	Irrigation4	7/22/2008	12:10	None	
Hilmar Drain @ Central Ave	535XHDACA	NM	Irrigation5	8/19/2008	12:30	None	
Hilmar Drain @ Central Ave	535XHDACA	SED	Irrigation5	8/28/2008	11:45	None	
Hilmar Drain @ Central Ave	535XHDACA	NM	Irrigation6	9/23/2008	12:40	None	
Hilmar Drain @ Central Ave	535XHDACA	RS	Irrigation6	9/30/2008	18:10	None	RS due to S. capricornutum toxicity on 9/23/08.
Hilmar Drain @ Central Ave	535XHDACA	SED	Irrigation5	10/2/2008	13:00	None	RS due to toxicity to H. azteca on 8/28/08.
Hilmar Drain @ Mitchell Rd	535XHDAMR	MPM	Irrigation4	7/22/2008	13:00	None	MPM for ammonia, nitrate, copper, and toxicity to S. capricornutum.
Hilmar Drain @ Mitchell Rd	535XHDAMR	RS	Irrigation4	7/29/2008	9:00	None	RS due to S. capricornutum toxicity on 7/22/08.
Livingston Drain @ Robin Ave	535XLDARA	NM	Irrigation1	4/22/2008	14:00	None	
Livingston Drain @ Robin Ave	535XLDARA	RS	Irrigation1	4/29/2008	10:30	None	RS due to S. capricornutum toxicity on 4/22/08.
Livingston Drain @ Robin Ave	535XLDARA	MPM	Irrigation2	5/7/2008	12:20	None	MPM for copper.
Livingston Drain @ Robin Ave	535XLDARA	NM	Irrigation2	5/20/2008	15:50	None	
Livingston Drain @ Robin Ave	535XLDARA	RS	Irrigation2	5/27/2008	18:30	None	RS due to S. capricornutum toxicity on 5/20/08.
Livingston Drain @ Robin Ave	535XLDARA	MPM	Irrigation3	6/3/2008	12:30	None	MPM for copper.
Livingston Drain @ Robin Ave	535XLDARA	NM	Irrigation3	6/17/2008	15:30	None	
Livingston Drain @ Robin Ave	535XLDARA	MPM	Irrigation4	7/8/2008	11:00	None	MPM for copper.
Livingston Drain @ Robin Ave	535XLDARA	NM	Irrigation4	7/22/2008	15:20	None	
Livingston Drain @ Robin Ave	535XLDARA	NM	Irrigation5	8/19/2008	13:50	None	
Livingston Drain @ Robin Ave	535XLDARA	SED	Irrigation5	8/28/2008	13:00	None	
Livingston Drain @ Robin Ave	535XLDARA	MPM	Irrigation6	9/9/2008	13:20	None	MPM for copper.
Livingston Drain @ Robin Ave	535XLDARA	NM	Irrigation6	9/23/2008	15:20	None	
Merced River @ Santa Fe	535XMRSFD	NM	Irrigation1	4/22/2008	11:20	None	
Merced River @ Santa Fe	535XMRSFD	NM	Irrigation2	5/20/2008	11:40	None	
Merced River @ Santa Fe	535XMRSFD	NM	Irrigation3	6/17/2008	12:00	None	
Merced River @ Santa Fe	535XMRSFD	MPM	Irrigation4	7/8/2008	15:00	None	MPM for toxicity to C. dubia.
Merced River @ Santa Fe	535XMRSFD	NM	Irrigation4	7/22/2008	13:30	None	
Merced River @ Santa Fe	535XMRSFD	MPM	Irrigation5	8/5/2008	10:10	None	MPM for toxicity to C. dubia.

Station Name	Station Code	Monitoring Event	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Merced River @ Santa Fe	535XMRSFD	NM	Irrigation5	8/19/2008	12:40	None	
Merced River @ Santa Fe	535XMRSFD	SED	Irrigation5	8/28/2008	16:20	None	
Merced River @ Santa Fe	535XMRSFD	NM	Irrigation6	9/23/2008	12:10	None	
Miles Creek @ Reilly Rd	535XMCARR	NM	Irrigation1	4/29/2008	14:40	None	
Miles Creek @ Reilly Rd	535XMCARR	RS	Irrigation1	5/7/2008	13:40	None	RS due to S. capricornutum toxicity on 04/29/08.
Miles Creek @ Reilly Rd	535XMCARR	MPM	Irrigation2	5/7/2008	13:45	None	MPM for copper.
Miles Creek @ Reilly Rd	535XMCARR	NM	Irrigation2	5/27/2008	14:20	None	
Miles Creek @ Reilly Rd	535XMCARR	MPM	Irrigation3	6/3/2008	13:20	None	MPM for copper.
Miles Creek @ Reilly Rd	535XMCARR	NM	Irrigation3	6/24/2008	14:10	None	
Miles Creek @ Reilly Rd	535XMCARR	NM	Irrigation4	7/29/2008	15:20	None	
Miles Creek @ Reilly Rd	535XMCARR	MPM	Irrigation5	8/5/2008	12:30	None	MPM for copper.
Miles Creek @ Reilly Rd	535XMCARR	NM	Irrigation5	8/26/2008	13:00	None	
Miles Creek @ Reilly Rd	535XMCARR	SED	Irrigation5	8/28/2008	13:00	None	
Miles Creek @ Reilly Rd	535XMCARR	NM	Irrigation6	9/30/2008	13:50	None	
Miles Creek @ Reilly Rd	535XMCARR	SED	Irrigation5	10/2/2008	13:00	None	RS due to toxicity to H. azteca on 8/28/08.
Mustang Creek @ East Ave	535XMCAEA	NM	Irrigation1	4/22/2008	10:00	Dry	
Mustang Creek @ East Ave	535XMCAEA	NM	Irrigation2	5/20/2008	10:30	Dry	
Mustang Creek @ East Ave	535XMCAEA	NM	Irrigation3	6/17/2008	10:20	Dry	
Mustang Creek @ East Ave	535XMCAEA	NM	Irrigation4	7/22/2008	10:20	Dry	
Mustang Creek @ East Ave	535XMCAEA	NM	Irrigation5	8/19/2008	10:50	Dry	
Mustang Creek @ East Ave	535XMCAEA	SED	Irrigation5	8/28/2008	16:13	Dry	
Mustang Creek @ East Ave	535XMCAEA	NM	Irrigation6	9/23/2008	10:47	Dry	
North Slough @ Hwy 59	535XNSHFN	MPM	Irrigation4	7/29/2008	13:21	Dry	MPM for copper and toxicity to S. capricornutum.
North Slough @ Hwy 59	535XNSHFN	MPM	Irrigation6	9/30/2008	13:24	Dry	MPM for toxicity to S. capricornutum.
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	NM	Irrigation1	4/22/2008	11:50	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	RS	Irrigation1	4/29/2008	9:10	None	RS due to S. capricornutum toxicity on 4/22/08.
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	NM	Irrigation2	5/20/2008	12:00	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	RS	Irrigation2	5/27/2008	18:40	None	RS due to S. capricornutum toxicity on 5/20/08.
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	NM	Irrigation3	6/17/2008	11:30	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	NM	Irrigation4	7/22/2008	10:40	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	NM	Irrigation5	8/19/2008	11:20	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	SED	Irrigation5	8/28/2008	11:10	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	NM	Irrigation6	9/23/2008	11:00	None	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	SED	Irrigation5	10/2/2008	12:20	None	RS due to toxicity to H. azteca on 8/28/08.
Prairie Flower Drain at Morgan Road	535XPDMR	MPM	Irrigation1	4/22/2008	12:50	None	MPM for nitrate.

Station Name	Station Code	Monitoring Event	Season	Sample Date	Sample Time	Failure Reason	Sample Comments
Prairie Flower Drain at Morgan Road	535XPFDMR	MPM	Irrigation2	5/20/2008	13:00	None	MPM for nitrate.
Prairie Flower Drain at Morgan Road	535XPFDMR	MPM	Irrigation3	6/17/2008	12:30	None	MPM for nitrate.
Prairie Flower Drain at Morgan Road	535XPFDMR	MPM	Irrigation4	7/22/2008	11:30	None	MPM for nitrate and toxicity to P. promelas.
Prairie Flower Drain at Morgan Road	535XPFDMR	MPM	Irrigation5	8/19/2008	12:10	None	MPM for nitrate and chlorpyrifos.
Prairie Flower Drain at Morgan Road	535XPFDMR	MPM	Irrigation6	9/23/2008	11:50	None	MPM for nitrate, chlorpyrifos, and toxicity to C. dubia.
Reclamation Drain @ Williams Ave	535XRDAWA	MPM	Irrigation4	7/22/2008	13:10	None	MPM for ammonia, nitrate, copper, and toxicity to S. capricornutum.
Silva Drain @ Meadow Dr	535XSDAMD	NM	Irrigation1	4/22/2008	10:30	None	
Silva Drain @ Meadow Dr	535XSDAMD	NM	Irrigation2	5/20/2008	11:00	None	
Silva Drain @ Meadow Dr	535XSDAMD	NM	Irrigation3	6/17/2008	10:50	None	
Silva Drain @ Meadow Dr	535XSDAMD	RS	Irrigation3	6/24/2008	18:50	None	RS due to P. promelas toxicity on 06/24/08.
Silva Drain @ Meadow Dr	535XSDAMD	MPM	Irrigation4	7/8/2008	15:30	None	MPM for chlorpyrifos.
Silva Drain @ Meadow Dr	535XSDAMD	NM	Irrigation4	7/22/2008	11:00	None	
Silva Drain @ Meadow Dr	535XSDAMD	RS	Irrigation4	7/29/2008	17:40	None	RS due to C. dubia toxicity on 7/22/08.
Silva Drain @ Meadow Dr	535XSDAMD	MPM	Irrigation5	8/5/2008	10:20	None	MPM for chlorpyrifos.
Silva Drain @ Meadow Dr	535XSDAMD	NM	Irrigation5	8/19/2008	11:30	None	
Silva Drain @ Meadow Dr	535XSDAMD	SED	Irrigation5	8/28/2008	16:40	None	
Silva Drain @ Meadow Dr	535XSDAMD	NM	Irrigation6	9/23/2008	11:20	None	
Silva Drain @ Meadow Dr	535XSDAMD	SED	Irrigation5	10/2/2008	15:00	None	RS due to toxicity to H. azteca on 8/28/08.
South Slough @ Quinley Rd	535XSSAQR	NM	Irrigation1	4/29/2008	11:20	None	
South Slough @ Quinley Rd	535XSSAQR	RS	Irrigation1	5/7/2008	12:47	Dry	RS due to S. capricornutum toxicity on 04/29/08.
South Slough @ Quinley Rd	535XSSAQR	NM	Irrigation2	5/27/2008	9:46	Dry	
South Slough @ Quinley Rd	535XSSAQR	NM	Irrigation3	6/24/2008	9:20	None	
South Slough @ Quinley Rd	535XSSAQR	NM	Irrigation4	7/29/2008	10:10	None	
South Slough @ Quinley Rd	535XSSAQR	NM	Irrigation5	8/26/2008	8:56	None	
South Slough @ Quinley Rd	535XSSAQR	SED	Irrigation5	8/28/2008	12:34	Dry	
South Slough @ Quinley Rd	535XSSAQR	NM	Irrigation6	9/30/2008	8:42	Dry	
Westport Drain @ Vivian Rd	535XWDAVR	NM	Irrigation1	4/22/2008	8:20	None	
Westport Drain @ Vivian Rd	535XWDAVR	RS	Irrigation1	4/29/2008	8:30	None	RS due to S. capricornutum toxicity on 4/22/08.
Westport Drain @ Vivian Rd	535XWDAVR	NM	Irrigation2	5/20/2008	8:50	None	
Westport Drain @ Vivian Rd	535XWDAVR	NM	Irrigation3	6/17/2008	8:50	None	
Westport Drain @ Vivian Rd	535XWDAVR	NM	Irrigation4	7/22/2008	9:00	None	
Westport Drain @ Vivian Rd	535XWDAVR	NM	Irrigation5	8/19/2008	9:40	None	
Westport Drain @ Vivian Rd	535XWDAVR	SED	Irrigation5	8/28/2008	9:50	None	
Westport Drain @ Vivian Rd	535XWDAVR	NM	Irrigation6	9/23/2008	9:20	None	
Westport Drain @ Vivian Rd	535XWDAVR	SED	Irrigation5	10/2/2008	11:20	None	RS due to toxicity to H. azteca on 8/28/08.

## Sampling and Analytical Methods Used

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Sample collection criteria and field instruments are provided in Table 11 and Table 12 respectively. Analytical methods and reporting limits are provided in Table 13. All field sampling methods were performed as outlined in the standard operating procedures (SOPs) provided in the ESJWQC Quality Assurance Project Plan (QAPP). All analytical methods were performed as described in the QAPP. No deviations from these procedures occurred during the monitoring.

**Table 11. Sampling procedures, containers, sample volumes, preservation and storage techniques, and holding times.**

Parameter	Sample Container	Sample Volume <sup>(1)</sup>	Immediate Processing and Storage	Holding Time <sup>(2)</sup>
<b>Physical Parameters<sup>(3)</sup></b>				
Color	Glass or polyethylene	500 mL	Store at 4°C	48 hours
Turbidity	Glass or polyethylene	150 mL	Store at 4°C	48 hours
Total Dissolved Solids	Polyethylene	500 mL	Store at 4°C	7 days
<b>Drinking Water</b>				
<i>E. coli</i> (pathogens)	Polyethylene (sterile)	100 mL	Store at 4°C	24 hours <sup>(4)</sup>
Total Organic Carbon	Amber Glass VOA, PTFE-lined cap	125 mL	Preserve w/HCL; Store at 4°C	28 days
<b>Toxicity</b>				
Aquatic bioassays	Amber glass	5 gallons	Store at 4°C	36 hours
Sediment bioassays	Glass	1 liter (x2)	Store at 4°C	14 days
<b>Pesticides</b>				
Carbamates	Amber Glass	1 liter	Store at 4°C; Extract within 7 days	40 days
Organochlorines	Amber Glass	1 liter		
Organophosphates	Amber Glass	1 liter		
Pyrethroids	Amber Glass	1 liter		
Herbicides (general)	Amber Glass	1 liter		
Herbicides (paraquat)	Polyethylene	1 liter		
Herbicides (glyphosate)	Amber Glass VOA	40 ml (x2)	Store at 4°C, freeze within 2 weeks	6 months
<b>Nutrients</b>				
TKN, Ammonia, and Total Phosphorus	Polyethylene	500 mL	Preserve to ≤ pH 2 with H <sub>2</sub> SO <sub>4</sub> ; Store at 4°C	28 days
Nitrate as NO <sub>3</sub> , Nitrite as N, and Soluble Ortho-Phosphate	Polyethylene	1000 mL	Store at 4°C	48 hours
<b>Metals/Trace Elements</b>				
Trace elements <sup>(5)</sup>	Polyethylene	500 mL	Filter as necessary; Preserve to ≤ pH 2 with HNO <sub>3</sub>	40 days

1. Additional volumes may be required for QC analyses; NA = Not Applicable
2. Holding time after initial preservation or extraction.
3. Volume of water necessary to analyze the physical parameters is typically combined in multiple 1L polyethylene bottles, which provides sufficient volume for re-analyses and lab spike duplicates. This is only possible when the same laboratory provides the analyses for all of the physical parameters.
4. Samples for bacteria analyses should be set up as soon as possible.
5. To include arsenic, boron, cadmium, copper, lead, nickel, selenium, and zinc.

**Table 12. Field parameters and instruments used to collect measurements.**

<b>Parameter</b>	<b>Instrument</b>
Dissolved oxygen	YSI Model 556
Temperature	YSI Model 556
pH	YSI Model 556
Specific Conductance	YSI Model 556
Discharge	Marsh-McBirney Flow Mate 2000

**Table 13. Analytical methods, target reporting limits (RL) and units.**

Analyte	Method	RL	Units
<b>Physical Parameters</b>			
Color	EPA 100.2	3.0	color units
Turbidity	EPA 180.1	0.05	NTU
Dissolved Solids, Total	EPA 160.1	10	mg/L
<b>Drinking Water Parameters</b>			
Escherichia coli ( <i>E. coli</i> )	SM 9223	1.0	MPN/100 mL
Total Organic Carbon	EPA 415.1	0.5	mg/L
<b>Nutrients</b>			
Total Kjeldahl Nitrogen	EPA 351.3	0.1	mg/L
Nitrate as N	EPA 300.0	0.05	mg/L
Nitrite as N	EPA 354.1	0.03	mg/L
Ammonia	EPA 350.2	0.10	mg/L
Hardness	EPA 130.2	5	mg/L
Total Phosphorus	EPA 365.2	0.01	mg/L
Soluble Orthophosphate	EPA 365.2	0.01	mg/L
<b>Metals</b>			
Arsenic	EPA 200.8	0.5	µg/L
Boron	EPA 200.8	10	µg/L
Cadmium	EPA 200.8	0.1	µg/L
Copper	EPA 200.8	0.5	µg/L
Lead	EPA 200.8	0.25	µg/L
Nickel	EPA 200.8	0.25	µg/L
Selenium	EPA 200.8	1	µg/L
Zinc	EPA 200.8	1	µg/L
<b>Carbamate Pesticides</b>			
Aldicarb	EPA 8321	0.4	µg/L
Carbaryl	EPA 8321	0.07	µg/L
Carbofuran	EPA 8321	0.07	µg/L
Methiocarb	EPA 8321	0.4	µg/L
Methomyl	EPA 8321	0.07	µg/L
Oxnamyl	EPA 8321	0.4	µg/L
<b>Organochlorine Pesticides</b>			
DDD	EPA 8081A	0.01	µg/L
DDE	EPA 8081A	0.01	µg/L
DDt	EPA 8081A	0.01	µg/L
Dicofol	EPA 8081A	0.1	µg/L
Dieldrin	EPA 8081A	0.01	µg/L
Endrin	EPA 8081A	0.01	µg/L
Methoxychlor	EPA 8081A	0.01	µg/L
<b>Organophosphorus Pesticides</b>			
Azinphos-methyl	EPA 8141A	0.1	µg/L

Analyte	Method	RL	Units
Chlorpyrifos	EPA 8141A	0.02	µg/L
Diazinon	EPA 8141A	0.02	µg/L
Dimethoate	EPA 8141A	0.1	µg/L
Disulfoton	EPA 8141A	0.1	µg/L
Malathion	EPA 8141A	0.1	µg/L
Methamidophos	EPA 8141A	0.2	µg/L
Methidathion	EPA 8141A	0.1	µg/L
Parathion-methyl	EPA 8141A	0.1	µg/L
Phorate	EPA 8141A	0.1	µg/L
Phosmet	EPA 8141A	0.2	µg/L
<b>Pyrethroid Pesticides</b>			
Bifenthrin	EPA 8081A	0.02	µg/L
Cyfluthrin	EPA 8081A	0.03	µg/L
Cypermethrin	EPA 8081A	0.05	µg/L
Esfenvalerate	EPA 8081A	0.02	µg/L
Lambda-Cyhalothrin	EPA 8081A	0.02	µg/L
Permethrin	EPA 8081A	0.02	µg/L
<b>Herbicides</b>			
Atrazine	EPA 619	0.5	µg/L
Cyanazine	EPA 619	0.5	µg/L
Diuron	EPA 8321	0.4	µg/L
Glyphosate	EPA 547	5	µg/L
Linuron	EPA 8321	0.4	µg/L
Molinate	EPA 8141A	0.5	µg/L
Paraquat dichloride	EPA 549.1	0.4	µg/L
Simazine	EPA 619	0.5	µg/L
Thiobencarb	EPA 8141A	0.5	µg/L

## Copy of Chain of Custody Forms

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Original Chain of Custody (COC) forms have been scanned and converted to pdf. Pdf copies of the COCs are provided in Appendix II. COCs were faxed by the contract laboratories to Michael L. Johnson, LLC after the receipt of samples by the laboratory. As such, they are complete and accurate records of sample handling and processing and reflect the timing of sample collection and delivery to the laboratories. Sample collection and delivery was performed according to the ESJWQC QAPP. If there were any discrepancies between the COC and sample delivery, the issues were resolved and documented either directly on the COC or on an anomaly form filled out by the laboratory. Documentation of COC anomalies can be found in Table II-1 of Appendix II.

## Lab and Field QC Results

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Laboratory and field quality control (QC) results are included in Appendix III. Field duplicate and field blank results are included for organics, inorganics (including metals, physical parameters, and nutrients), *E. coli*, and field duplicates for toxicity. Laboratory QC results include matrix spikes (MS) performed on both Coalition samples and samples from other projects, laboratory control spikes (LCS), laboratory blanks and laboratory duplicates. All quality control criteria are listed with the result and samples not meeting quality control criteria are flagged.

## Precision and Accuracy

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Normal surface water monitoring occurred six times during the irrigation season of 2008 for 23 sites with the following exceptions due to lack of water:

- Ash Slough @ Ave 21 (all sampling events)
- Berenda Slough along Ave 18 ½ (all sampling events)
- Cottonwood Creek @ Rd 20 (9/30/08)
- Dry Creek @ Rd 18 (9/30/08)
- Mustang Creek @ East Ave (4/22/08, 5/20/08, 7/22/08, 8/19/08, 9/23/08)
- South Slough @ Quinley Rd (5/27/08, 9/30/08)

Resampling to test for water column toxicity persistence occurred at the following sites:

- Bear Creek @ Kibby Rd (5/7/08)
- Cottonwood Creek @ Rd 20 (5/7/08)
- Deadman Creek @ Hwy 59 (5/7/08)
- Duck Slough @ Hwy 99 (5/7/08)
- Hatch Drain @ Tuolumne Rd (4/29/08, 5/27/08, 7/29/08, 8/26/08)
- Highline Canal @ Hwy 99 (5/27/08)
- Highline Canal @ Lombardy Rd (5/27/08)
- Hilmar Drain @ Central Ave (9/30/08)
- Hilmar Drain @ Mitchell Rd (7/29/08)
- Livingston Drain @ Robin Ave (4/29/08, 5/27/08)
- Miles Creek @ Reilly Rd (5/7/08)
- Prairie Flower Drain @ Crows Landing Rd (4/29/08, 5/27/08)
- Silva Drain @ Meadow Dr (6/24/08, 7/29/08)
- South Slough @ Quinley Rd (5/7/08)
- Westport Drain @ Vivian Rd (4/29/08)

Sediment sampling occurred once during the irrigation season during the month of August. Sediment from the following sites was not submitted due to the sites being dry on August 28, 2008:

- Ash Slough @ Ave 21
- Berenda Slough along Ave 18 ½
- Mustang Creek @ East Ave
- South Slough @ Quinley Rd

Resampling to test for persistence of sediment toxicity occurred at the following sites on October 2, 2008:

- Bear Creek @ Kibby Rd
- Black Rascal Creek @ Yosemite Rd
- Deadman Creek @ Hwy 59
- Dry Creek @ Rd 18
- Dry Creek @ Wellsford Rd
- Duck Slough @ Gurr Rd
- Duck Slough @ Hwy 99

- Hatch Drain @ Tuolumne Rd
- Highline Canal @ Hwy 99
- Highline Canal @ Lombardy Rd
- Hilmar Drain @ Central Ave
- Miles Creek @ Reilly Rd
- Prairie Flower Drain @ Crows Landing Rd
- Silva Drain @ Meadow Dr
- Westport Drain @ Vivian Rd

During the irrigation season, 11 Management Plan Monitoring sites were sampled in addition to the 23 Normal Monitoring sites. Management Plan Monitoring was either upstream of the normal monitoring site or an additional sample collected on a different day than normal monitoring (see site subwatershed management plans for details). The following Management Plan sites were not sampled due to a lack of water:

- Ash Slough @ Ave 21 (all sampling events)
- Berenda Slough @ Rd 19 (5/27/08, 9/30/08)
- Cottonwood Creek at Highway 145 (9/30/08)
- Dry Creek @ Rd 28 1/2 (9/30/08)
- North Slough @ Hwy 59 (7/29/08, 9/30/08)

## **Chemistry**

The constituents sampled during the 2008 irrigation season are listed by site in Table 6. For Normal and Management Plan Monitoring, not including laboratory or field quality control (QC) samples, 115-117 carbamate, organochlorine, and herbicide, 115-137 organophosphate, 80 pyrethroid, 115 *E. coli* and physical parameter, 115-149 nutrient and 117-149 metal samples were collected and analyzed for the irrigation event in 2008. There was 100% completeness for environmental samples collected for chemistry analyses.

For each irrigation event, one field duplicate and field blank were collected for each constituent to meet the field QC requirement of 5%. Field blanks and duplicates comprised 15-23% of organic samples, 17% of *E. coli* and physical parameter samples, and 14-17% of nutrient samples and metal samples.

For some constituents the environmental sample may exceed the amount that the instrument is calibrated to detect and therefore the sample requires dilution. The result reported is the amount found in the diluted sample multiplied by the dilution factor to represent the amount of the analyte present in the original sample. The dilution factor is recorded and the RL is generally increased by multiplying the RL for that analyte by the dilution factor. There are times that the RL is increased higher than this value based on method requirements. Therefore, for each dilution that occurs, there is a corresponding increase in the limit of quantification.

For pesticides such as paraquat, co-elution, also referred to as matrix interference, may cause the RL to be raised and the sample is flagged. In such cases the dilution factor (DF) is recorded for each sample.

All results are reported in the Monitoring Results section of this report (Appendix I). Each result is flagged if it does not meet data quality objectives (acceptability criteria) using SWAMP codes and can also be found in the SWAMP comparable database managed by the Coalition. The Coalition works with the University of California, Davis Data Center to ensure that all data remains SWAMP comparable and that all data are suitable to be uploaded to the California Environmental Data Exchange Network (CEDEN). An electronic copy of the database has been submitted to the Regional Board with the hardcopy of this report. A review of the number of samples analyzed and the percentage per analyte that meets acceptability criteria are listed in the tables following this section. A brief overview is provided below to assess overall precision and accuracy per analyte. All pesticides are grouped and discussed together.

- Color: Ninety-two percent of field blanks met acceptability criteria ( $< RL$  or  $< 1/5$  the environmental sample). Seventy-five percent of field duplicates had relative percent differences (RPDs) less than 25%. Laboratory control spikes and lab blanks were run with each color batch and 100% met laboratory QC criteria. Laboratory duplicates were recorded by the lab to assess precision and all met acceptability criteria. Due to laboratory error, one color batch in May was run without a lab duplicate and the batch was flagged. Matrix spikes and matrix spike duplicates cannot be performed for color.
- Hardness: One hundred percent of field blanks were below the reporting limit. Sixty seven percent of field duplicates met acceptability criteria. All laboratory blank and laboratory control spikes met laboratory QC criteria. Ninety-four percent of matrix spikes and 100% of matrix spike duplicates met acceptability criteria.
- Dissolved Solids (TDS): Field blanks met acceptability criteria in 92% of the samples analyzed. Eighty-three percent of field duplicates had RPDs less than 25%. Lab blanks, laboratory control spikes and laboratory duplicates were run with every batch and met acceptance criteria for 100% of samples. Matrix spikes cannot be performed for TDS.
- Turbidity: One hundred percent of field blanks and 75% of field duplicates met acceptability criteria. Laboratory blanks were run with every batch and 100% were less than the reporting limit. Lab control spikes and laboratory duplicates were analyzed with each batch and all of the samples met acceptance criteria. Matrix spikes cannot be performed for turbidity.
- Nitrate as N: One hundred percent of field blanks met acceptability criteria. One hundred percent of field duplicates had RPDs below 25%. Laboratory blanks and laboratory control spikes were run with each batch and 100% of the samples met acceptance criteria. Seventy-six percent of matrix spikes were within the acceptability criteria due to possible matrix interference in the QC samples (26 of 34). All matrix spikes were recovered above the quality control limit of 110%, and all laboratory control spikes were within range; therefore matrix spikes were not re-analyzed. One hundred percent of matrix spike duplicates met the acceptability requirement for precision.

- Ammonia as N: One hundred percent of field blanks met acceptability criteria. Eighty-three percent of field duplicates had RPDs below 25% (10 of 12). One hundred percent of laboratory blanks and laboratory control spikes met acceptability criteria. Matrix spikes and matrix spike duplicates were run with each batch and 100% met acceptability criteria.
- Nitrogen, Total Kjeldahl (TKN): Seventy-five percent of field blanks (9 of 12) were below the RL of 0.1. Three field blanks had detectable amounts of TKN in April (0.13 mg/L), June (0.11 mg/L) and August (0.16 mg/L). Seventy five percent of field duplicates (9 of 12) met acceptance criteria. Lab blanks were run with every batch and 100% were less than the minimum detection limit. Laboratory control spikes were within acceptance criteria for all batches. Matrix spikes were performed in each batch with 72% meeting acceptability requirements (33 of 46). Of the 13 matrix spikes not meeting the requirements, 10 were due to possible matrix interferences in the QC sample collected by ESJWQC and three were due to possible matrix interferences in a QC sample collected from another project. Twelve of the 13 samples were matrix spike/matrix spike duplicate combinations affecting six batches and the 13<sup>th</sup> sample was a single matrix spike from another project affecting one batch. For all batches, the LCS was within control limits. Ninety-five percent of matrix spike duplicates met the requirements for precision.
- Nitrite as N: Ninety-two percent of field blanks met acceptance criteria. All field blanks had RPDs less than 25%. One hundred percent of laboratory blanks and laboratory control spikes met acceptance criteria. Matrix spikes and matrix spike duplicates were within acceptability criteria for all batches.
- Orthophosphate as P: One hundred percent of field blanks and 92% of field duplicates collected met acceptance criteria. Lab blanks were run with every batch and 100% were less than the RL. Laboratory control spikes were within acceptability criteria for all batches. Matrix spikes were performed in each batch with 92% meeting acceptability criteria and 100% of matrix spike duplicates meeting the requirements of accuracy and precision.
- Phosphate as P: Field blanks met acceptance criteria in 75% of the samples collected (9 of 12). Of the 12 field blanks, three were non-detect and nine were detected above the reporting limit of 0.01 mg/L. Of those nine, six were less than 1/5 of the associated environmental sample. The three field blanks that had detections greater than the RL and greater than 1/5 the environmental sample occurred once in June (0.047 mg/L) and twice in August (0.014 and 0.017 mg/L). Eighty-three percent of field duplicates had RPDs less than 25%. Laboratory blanks and laboratory control spikes were within acceptability criteria for all batches. One hundred percent of matrix spikes and matrix spike duplicates met acceptability criteria for accuracy and precision.
- Total Organic Carbon (TOC): One hundred percent of field blanks and field duplicates met acceptability criteria. Laboratory blanks and lab control spikes met acceptance criteria for 100% of the samples. Ninety-four percent of matrix spikes met acceptability

criteria, and 100% of matrix spike duplicates performed met acceptability requirements for precision.

- Total Metals: On July 22<sup>nd</sup> the field crews began using Caltest de-ionized water, in low-density polyethylene (LDPE) containers, exclusively for field blanks. The field blanks were filled previously from de-ionized water collected from UC Davis and stored in a high-density polyethylene (HDPE) carboy. One hundred percent of the metals field blanks met field precision criteria except for two zinc field blank samples. The zinc field blank samples exceeded the reporting limit and were greater than one fifth of the environmental samples collected on August 19 and 26 (environmental sample = 3 µg/L, field blank = 2 µg/L for both sets of samples). Contamination in the field may be due to contamination of the field blank water, the field blank storage container, the field blank bottle, or contamination from the sampler. The field blank bottle came directly from the laboratory and is certified pre-clean. The bottle was not opened until immediately before filling it with DI water. Clean gloves were used when filling the bottle with DI water from the LDPE container and neither the lid nor the opening of the bottle was touched. The cap was immediately returned to the bottle and screwed on tightly after filling. All sampling SOPs (which include the above steps to prevent contamination) were followed. Other sources of contamination may have occurred during transport from the field to the laboratory (all bottles were closed tightly and only touched when being put in the cooler by the sampler and taken from the cooler by the laboratory with gloved hands) and/or during the laboratory extraction process. In response to the zinc detections in the blank water Caltest collected a series of blank samples in and around their lab starting in August, and found sporadic low level zinc detections as high as 1.3 µg/L. After placing various controls around their lab the blank zinc level was 0.3 µg/L, less than the reporting limit of 1 µg/L, which leads Caltest to believe that their controls are helping. Caltest plans to continue this monitoring on an ongoing basis.

Due to past detections in field blanks, travel blanks were sent from the lab and traveled with the sampling crew from beginning to end. A single copper detection, 1.1 µg/L, was reported in April; the field blank collected during the same trip was non-detect for copper. Laboratory blanks were run with each metals batch and 99.8% met acceptability criteria. The single lab blank detection was a zinc sample whose result equaled the RL (detected prior to the new control Caltest put in place).

All field duplicates, except for copper, lead, selenium and zinc, met the acceptability criteria (RPDs < 25%). The copper RPDs outside the acceptance limits were 153, 30.7 and 93.3. The largest copper RPD was calculated from an environmental result of 45 and a field duplicate result of 6. Due to the large variation between the environmental and duplicate sample results, as well as the high copper environmental sample result, the lab re-ran the samples in triplicate and received similar results. In addition, all COCs were verified and samplers noted no anomalies in sampling procedures. No further actions were taken. Of the two lead RPDs above the quality control limits one of the environmental and duplicate pairs was at a concentration below the RL. The selenium RPDs outside the acceptance limits were 66.6, 26.5, 89, 80.8, 88, and 124, and the zinc RPDs were 50, 28.5, 35.29, and 90.9. Of the selenium field duplicate and environmental

samples associated with the RPDs above 25% all had concentrations below reporting limits and were considered estimates. The zinc concentration levels were all above the reporting limit value of 1. All field SOPs were followed by the field crew including collecting the environmental and field duplicate samples at the same time near one another in the water column. A water body that is not well mixed across the width of the channel can result in unequal concentrations of metals and pesticides, as can a channel with high flow and turbid waters due to increased sediment mobilization. Of the sites associated with elevated RPDs, over half were from murky or cloudy brown water, with a mud or sand substrate, and had low to moderate flow with moderate turbidity. As the analyses involve total metals (no filtration in the field), elevated amounts of suspended sediment in the sample could account for the differences between the copper, lead, selenium and zinc environmental and field duplicate samples.

Laboratory control spikes were within acceptable recovery limits for 100% of samples run. Matrix spikes recoveries were within control limits for 96% of all metals samples analyzed. Seventy-seven percent of boron matrix spikes were within control limits (PR 85-115). Eleven of 37 boron matrix spikes were outside of the quality control limits with seven recovering below control limits (all non-project matrix spikes) and four were above quality control limits. For each batch with a matrix spike that recovered outside of recovery criteria, the samples were spiked with an amount less than half of what was detected in the environmental sample. Poor recoveries are most likely due to the amount of boron in the sample being detected at a level over twice the amount with which the sample was spiked. In all cases, laboratory control spikes extracted and run in the same batch were within acceptable recovery limits. All matrix spike duplicates analyzed met acceptability criteria for precision (RPD < 25%).

- *E. coli*: Sterility checks of laboratory blanks, negative control and positive control samples were run for each batch. One hundred percent of laboratory blanks met acceptability criteria. One hundred percent of field blanks collected had *E. coli* numbers less than the reporting limit of 1.  $R_{log}$ s were performed on *E. coli* lab duplicates by Caltest Laboratories. The mean  $R_{log}$  for the laboratory was calculated to be 0.40. This value multiplied by 3.27 resulted in a precision criterion of 1.30. All laboratory duplicates had  $R_{log}$ s below the criteria acceptance level. Due to the nature of the analysis method and *E. coli* distribution within the water column, it is not possible to use RPDs to assess precision; however, field duplicate RPDs have been recorded to monitor the variation in duplicates over time analyzed by the lab.
- Pesticides: Field blanks met the acceptance criteria for 99.7% of all pesticides (Table 14). The single pesticide detected in a field blank was DDT at 0.018 µg/L (0.008 µg/L above the RL), and the associated environmental sample was non-detect. All field duplicates met acceptance criteria except for a cyanazine (RPD 63.4%) and chlorpyrifos (RPD 176%) sample. The environmental and duplicate cyanazine results were both below the reporting limits and considered estimates. The chlorpyrifos environmental result was below the RL and differed by more than 40% from the confirmation column, both of which may have resulted in a larger RPD result.

For the irrigation season, pesticides were analyzed in eight different groups: pyrethroids (EPA 8081A), organochlorines (EPA 8081A), organophosphates (EPA 8141A), carbamates (EPA 8321A), methamidophos (EPA 8141A), paraquat (EPA 549.2), glyphosate (EPA 547M) and triazines (EPA 619). Lab blanks were run with each batch and 100% met acceptability criteria. Matrix spikes and laboratory control spikes were performed for each batch to assess precision and accuracy as well as possible matrix interference. Either a matrix spike duplicate and/or a laboratory control spike duplicate were performed per batch to assess precision. Ninety-five percent of matrix spike samples run were within acceptability criteria. The individual pesticides with less than 90% of samples within acceptable recoveries for matrix spikes include methomyl (87.5%), cyanazine (87.5%), paraquat (25%) and phosmet (79%). Three matrix spike and/or matrix spike duplicates were above control limits for methomyl and cyanazine but their associated laboratory control spikes were within the acceptability criteria and all environmental samples were non-detect. Phosmet had matrix spike and matrix spike duplicates above control limits in one batch and a matrix spike below control limits in another, but the laboratory control spikes were within the criteria range and all environmental samples were non-detect. In another batch, phosmet had zero recovery in both the matrix spike and matrix spike duplicate. The lab has since prepared a new spike solution to use in the phosmet matrix spike procedure and this analysis is being closely monitored to be sure the problem does not re-occur. The lab control spike in the same batch was recovered within the acceptable criteria and all other samples in the batch were non-detect. Paraquat analysis is difficult to perform in water samples due to matrix interferences; paraquat tends to bind to suspended solids in the sample and therefore recoveries of matrix spike samples are consistently low. In two paraquat batches the MS/MSD were below the control limits (PR 43-102). The LCS was within the acceptable range, all samples were non-detect and the MS/MSD samples were not re-analyzed for one of the batches. In the other batch, the LCS was above the control limits, all samples were non-detect, and the re-injection of the matrix spike and matrix spike duplicate yielded similar results. Of the nine paraquat batches with matrix spikes above the control limit, five batches had the LCS outside of the quality control limits, and four batches had re-injections performed with similar results. Two of the batches with high MS/MSD/LCS recoveries were due to bad solid phase extraction (SPE) cartridges. The batches were re-extracted and the analyses were performed. Only one batch had a single detection, and in that batch the LCS was within acceptability criteria.

Laboratory precision assessed by the RPD of laboratory duplicates, met acceptability criteria in 95% of matrix spike duplicates (Table 15). Carbofuran, methiocarb, diuron and paraquat all had 83% of MSDs within acceptable criteria (RPD > 25%). None of the carbofuran, methiocarb or diuron matrix spike and matrix spike duplicates with high RPDs were outside of percent recovery limits, and all had non-detect samples in their batches. In one of the paraquat batches one matrix spike was recovered above quality control limits (PR 112%) while the duplicate experienced a lower recovery but was within control limits (PR 61.3%). All samples in the batch were non-detect so no re-extraction was performed. The second MS/MSD RPD that was greater than 25% was due to one matrix spike that had zero recovery. The matrix spikes were re-analyzed with similar results and all samples were non-detect. Laboratory control spikes were

within acceptability criteria for 98% of samples analyzed, and 100% of laboratory control spike duplicates had RPDs less than 25%.

Surrogates were run for each analysis except for glyphosate and paraquat. Surrogate recoveries were within specific acceptance criteria for 99.2% of all samples analyzed. All batches with laboratory QC analyses outside of acceptability criteria were flagged as was the specific sample in the batch. When a surrogate is recovered outside of the acceptability criteria, the associated environmental sample is flagged as well. Batches are approved by evaluating all measures of precision and accuracy such that although a single QC sample may be outside of acceptability criteria, the entire batch may be accepted due to the other QCs analyses/procedures associated with that batch meeting acceptability criteria. Due to laboratory error, triphenyl phosphate and tributylphosphate were run with a single EPA 8081A batch. The batch was re-extracted past hold time and re-analyzed with the correct surrogates, yielding the same results. The original batch, with the incorrect surrogates, was reported since it was analyzed within hold time and the recoveries for both sets of surrogates were similar (and within recovery criteria).

Four batches this season were run without matrix spike and matrix spike duplicate samples, causing the batches to be flagged as having "incomplete QC". All of the batches were run with a laboratory control spike duplicate meeting precision requirements. The Management Plan Monitoring batches, one each month from May through August, were missing MS/MSD due to a miscommunication with the laboratory. It was not noted on the COC that a matrix spike was to be run, and therefore the lab did not run the spike analyses. The issue was resolved mid-August and the matrix spike analysis is now noted on all COCs for all Management Plan samples in addition to the collection of extra water. In addition, one color batch in May was run without a laboratory duplicate due to laboratory error.

Hold times for all chemistry analysis were met, except for two paraquat batches. The two batches run in May were originally extracted and run within hold time. Due to lack of recovery of paraquat in the matrix spike, matrix spike duplicate, and LCS due to bad SPE cartridges, the batches were re-extracted and samples reanalyzed past the 7-day hold time. The lab has subsequently switched cartridge suppliers as a corrective action.

## ***Toxicity***

For aquatic toxicity testing, the acceptability of test results is determined primarily by performance-based criteria for test organisms, culture and test conditions, and the results of control bioassays. Control bioassays include monthly reference toxicant testing and negative and solvent controls (for TIEs). Test acceptability requirements are documented in the method documents for each bioassay method and are included in the ESJWQC QAPP. In addition to the QA requirements for the toxicity testing methods, a minimum of 5% of the samples collected are required to be collected as field duplicates. Field duplicates were collected every sampling event such that the overall rate of field duplicates would be at least 5% of all samples including management plan samples and resamples due to toxicity occurring during normal monitoring.

The overall percentage of field duplicates are as follows: *Ceriodaphnia* 9%, *Pimephales* 9%, *Selenastrum* 8% and *Hyalella* 6%.

- **Water Column Toxicity:** Field duplicates were collected during each irrigation event and were tested for toxicity to *Ceriodaphnia*, *Selenastrum* and *Pimephales* (Table 25). For these three species RPDs for all field duplicates were within acceptability criteria (RPD < 25%) except for *Selenastrum*, which had 83.3% of field duplicate samples meeting the acceptability criteria. Two of the 12 field duplicates had RPDs greater than 25% (RPD 60.7% and 46%) however neither the field duplicates nor the associated environmental samples exhibited toxicity. Due to laboratory error Cottonwood Creek @ Rd 20 and Bear Creek @ Kibby Rd were tested for algae toxicity in April. Since the samples were found to be toxic, the Coalition decided to follow protocols and had TIEs conducted and the sites were resampled. The algal toxicity was persistent for both samples. Also in April, Deadman's Creek @ Hwy 59 and Duck Slough @ Hwy 99 both had a >50% toxic effect in algae cell growth in the resamples collected due to toxicity in the original sample. Phase I algae TIEs were scheduled for the resamples, but due to error the samples were discarded prior to the TIE initiation. All tests met holding time requirements (< 36 hours), water quality requirements and control requirements (as listed in the EPA method guidelines).
  
- **Sediment Toxicity:** Sediment was collected on August 28, 2008 and resampled on October 2, 2008. Two field duplicates were collected and both had RPDs less than 25% (Table 25) One hundred percent of the sediment samples had laboratory controls within acceptability criteria. All sediment samples met holding time criteria.

**Table 14. ESJWQC summary of field blank quality control sample evaluations.**

Samples were collected during the irrigation season of 2008 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	<RL or < (env sample/5)	12	12	100.00
EPA 8321A CARB	Carbaryl	<RL or < (env sample/5)	12	12	100.00
EPA 8321A CARB	Carbofuran	<RL or < (env sample/5)	12	12	100.00
EPA 8321A CARB	Methiocarb	<RL or < (env sample/5)	12	12	100.00
EPA 8321A CARB	Methomyl	<RL or < (env sample/5)	12	12	100.00
EPA 8321A CARB	Oxamyl	<RL or < (env sample/5)	12	12	100.00
EPA 8321A CARB	Diuron	<RL or < (env sample/5)	12	12	100.00
EPA 8321A CARB	Linuron	<RL or < (env sample/5)	12	12	100.00
EPA 619	Atrazine	<RL or < (env sample/5)	12	12	100.00
EPA 619	Cyanazine	<RL or < (env sample/5)	12	12	100.00
EPA 619	Simazine	<RL or < (env sample/5)	12	12	100.00
EPA 547M	Glyphosate	<RL or < (env sample/5)	12	12	100.00
EPA 549.2M	Paraquat dichloride	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	DDD(p,p')	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	DDE(p,p')	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	DDT(p,p')	<RL or < (env sample/5)	12	11	91.67
EPA 8081A	Dicofol	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Dieldrin	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Endrin	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Methoxychlor	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Bifenthrin	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Cyfluthrin, total	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Cypermethrin, total	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Esfenvalerate/Fenvalerate, total	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Cyhalothrin, lambda, total	<RL or < (env sample/5)	12	12	100.00
EPA 8081A	Permethrin, total	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Azinphos methyl	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Chlorpyrifos	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Diazinon	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Dimethoate	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Disulfoton	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Malathion	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Methidathion	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Parathion, Methyl	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Phorate	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Phosmet	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Molinate	<RL or < (env sample/5)	12	12	100.00
EPA 8141A OP	Thiobencarb	<RL or < (env sample/5)	12	12	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8141A OP	Methamidophos	<RL or < (env sample/5)	12	12	100.00
EPA 110.2	Color	<RL or < (env sample/5)	12	11	91.67
EPA 130.2	Hardness as CaCO3	<RL or < (env sample/5)	12	12	100.00
EPA 160.1	Total Dissolved Solids	<RL or < (env sample/5)	12	11	91.67
EPA 180.1	Turbidity	<RL or < (env sample/5)	12	12	100.00
EPA 300.0	Nitrate as N	<RL or < (env sample/5)	12	12	100.00
EPA 350.2	Ammonia as N	<RL or < (env sample/5)	12	12	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	<RL or < (env sample/5)	12	9	75.00
EPA 354.1	Nitrite as N	<RL or < (env sample/5)	12	11	91.67
EPA 365.2	OrthoPhosphate as P	<RL or < (env sample/5)	12	12	100.00
EPA 365.2	Phosphate as P	<RL or < (env sample/5)	12	9	75.00
EPA 415.1	Total Organic Carbon	<RL or < (env sample/5)	12	12	100.00
SM 9223	E. coli	<RL or < (env sample/5)	12	12	100.00
EPA 200.8	Arsenic	<RL or < (env sample/5)	12	12	100.00
EPA 200.8	Boron	<RL or < (env sample/5)	12	12	100.00
EPA 200.8	Cadmium	<RL or < (env sample/5)	12	12	100.00
EPA 200.8	Copper	<RL or < (env sample/5)	12	12	100.00
EPA 200.8	Lead	<RL or < (env sample/5)	12	12	100.00
EPA 200.8	Nickel	<RL or < (env sample/5)	12	12	100.00
EPA 200.8	Selenium	<RL or < (env sample/5)	12	12	100.00
EPA 200.8	Zinc	<RL or < (env sample/5)	12	10	83.33
		<b>TOTAL</b>	708	696	98.31

**Table 15. ESJWQC summary of field duplicate quality control sample evaluations.**

Samples were collected during the irrigation season of 2008 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Carbaryl	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Carbofuran	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Methiocarb	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Methomyl	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Oxamyl	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Diuron	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Linuron	RPD ≤ 25	12	12	100.00
EPA 619	Atrazine	RPD ≤ 25	12	12	100.00
EPA 619	Cyanazine	RPD ≤ 25	12	11	91.67
EPA 619	Simazine	RPD ≤ 25	12	12	100.00
EPA 547M	Glyphosate	RPD ≤ 25	12	12	100.00
EPA 549.2M	Paraquat dichloride	RPD ≤ 25	12	12	100.00
EPA 8081A	DDD(p,p')	RPD ≤ 25	12	12	100.00
EPA 8081A	DDE(p,p')	RPD ≤ 25	12	12	100.00
EPA 8081A	DDT(p,p')	RPD ≤ 25	12	12	100.00
EPA 8081A	Dicofol	RPD ≤ 25	12	12	100.00
EPA 8081A	Dieldrin	RPD ≤ 25	12	12	100.00
EPA 8081A	Endrin	RPD ≤ 25	12	12	100.00
EPA 8081A	Methoxychlor	RPD ≤ 25	12	12	100.00
EPA 8081A	Bifenthrin	RPD ≤ 25	12	12	100.00
EPA 8081A	Cyfluthrin, total	RPD ≤ 25	12	12	100.00
EPA 8081A	Cypermethrin, total	RPD ≤ 25	12	12	100.00
EPA 8081A	Esfenvalerate/Fenvalerate, total	RPD ≤ 25	12	12	100.00
EPA 8081A	Cyhalothrin, lambda, total	RPD ≤ 25	12	12	100.00
EPA 8081A	Permethrin, total	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Azinphos methyl	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Chlorpyrifos	RPD ≤ 25	12	11	91.67
EPA 8141A OP	Diazinon	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Dimethoate	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Disulfoton	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Malathion	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Methodathion	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Parathion, Methyl	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Phorate	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Phosmet	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Molinate	RPD ≤ 25	12	12	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8141A OP	Thiobencarb	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Methamidophos	RPD ≤ 25	12	12	100.00
EPA 110.2	Color	RPD ≤ 25	12	9	75.00
EPA 130.2	Hardness as CaCO3	RPD ≤ 25	12	8	66.67
EPA 160.1	Total Dissolved Solids	RPD ≤ 25	12	10	83.33
EPA 180.1	Turbidity	RPD ≤ 25	12	9	75.00
EPA 300.0	Nitrate as N	RPD ≤ 25	12	12	100.00
EPA 350.2	Ammonia as N	RPD ≤ 25	12	10	83.33
EPA 351.3	Nitrogen, Total Kjeldahl	RPD ≤ 25	12	9	75.00
EPA 354.1	Nitrite as N	RPD ≤ 25	12	12	100.00
EPA 365.2	OrthoPhosphate as P	RPD ≤ 25	12	11	91.67
EPA 365.2	Phosphate as P	RPD ≤ 25	12	10	93.33
EPA 415.1	Total Organic Carbon	RPD ≤ 25	12	12	100.00
SM 9223	E. coli				NA
EPA 200.8	Arsenic	RPD ≤ 25	12	12	100.00
EPA 200.8	Boron	RPD ≤ 25	12	12	100.00
EPA 200.8	Cadmium	RPD ≤ 25	12	11	91.67
EPA 200.8	Copper	RPD ≤ 25	12	9	75.00
EPA 200.8	Lead	RPD ≤ 25	12	10	83.33
EPA 200.8	Nickel	RPD ≤ 25	12	11	91.67
EPA 200.8	Selenium	RPD ≤ 25	12	6	50.00
EPA 200.8	Zinc	RPD ≤ 25	12	8	66.77
		<b>TOTAL</b>	708	669	94.49

**Table 16. ESJWQC summary of method blank quality control sample evaluations.**

Samples were analyzed in batches with samples collected during the irrigation season of 2008 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	<RL	12	12	100.00
EPA 8321A CARB	Carbaryl	<RL	12	12	100.00
EPA 8321A CARB	Carbofuran	<RL	12	12	100.00
EPA 8321A CARB	Methiocarb	<RL	12	12	100.00
EPA 8321A CARB	Methomyl	<RL	12	12	100.00
EPA 8321A CARB	Oxamyl	<RL	12	12	100.00
EPA 8321A CARB	Diuron	<RL	13	13	100.00
EPA 8321A CARB	Linuron	<RL	12	12	100.00
EPA 619	Atrazine	<RL	12	12	100.00
EPA 619	Cyanazine	<RL	12	12	100.00
EPA 619	Simazine	<RL	12	12	100.00
EPA 547M	Glyphosate	<RL	12	12	100.00
EPA 549.2M	Paraquat dichloride	<RL	12	12	100.00
EPA 8081A	DDD(p,p')	<RL	12	12	100.00
EPA 8081A	DDE(p,p')	<RL	12	12	100.00
EPA 8081A	DDT(p,p')	<RL	12	12	100.00
EPA 8081A	Dicofol	<RL	12	12	100.00
EPA 8081A	Dieldrin	<RL	12	12	100.00
EPA 8081A	Endrin	<RL	12	12	100.00
EPA 8081A	Methoxychlor	<RL	12	12	100.00
EPA 8081A	Bifenthrin	<RL	12	12	100.00
EPA 8081A	Cyfluthrin, total	<RL	12	12	100.00
EPA 8081A	Cypermethrin, total	<RL	12	12	100.00
EPA 8081A	Esfenvalerate/Fenvalerate, total	<RL	12	12	100.00
EPA 8081A	Cyhalothrin, lambda, total	<RL	12	12	100.00
EPA 8081A	Permethrin, total	<RL	12	12	100.00
EPA 8141A OP	Azinphos methyl	<RL	12	12	100.00
EPA 8141A OP	Chlorpyrifos	<RL	16	16	100.00
EPA 8141A OP	Diazinon	<RL	12	12	100.00
EPA 8141A OP	Dimethoate	<RL	12	12	100.00
EPA 8141A OP	Disulfoton	<RL	12	12	100.00
EPA 8141A OP	Malathion	<RL	12	12	100.00
EPA 8141A OP	Methidathion	<RL	12	12	100.00
EPA 8141A OP	Parathion, Methyl	<RL	12	12	100.00
EPA 8141A OP	Phorate	<RL	12	12	100.00
EPA 8141A OP	Phosmet	<RL	12	12	100.00
EPA 8141A OP	Molinate	<RL	12	12	100.00
EPA 8141A OP	Thiobencarb	<RL	12	12	100.00
EPA 8141A OP	Methamidophos	<RL	12	12	100.00
EPA 110.2	Color	<RL	12	12	100.00
EPA 130.2	Hardness as CaCO3	<RL	29	29	100.00
EPA 160.1	Total Dissolved Solids	<RL	16	16	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 180.1	Turbidity	<RL	14	14	100.00
EPA 300.0	Nitrate as N	<RL	17	17	100.00
EPA 350.2	Ammonia as N	<RL	19	19	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	<RL	23	23	100.00
EPA 354.1	Nitrite as N	<RL	13	13	100.00
EPA 365.2	OrthoPhosphate as P	<RL	12	12	100.00
EPA 365.2	Phosphate as P	<RL	18	18	100.00
EPA 415.1	Total Organic Carbon	<RL	18	18	100.00
SM 9223	E. coli	<RL	12	12	100.00
EPA 200.8	Arsenic	<RL	24	24	100.00
EPA 200.8	Boron	<RL	24	24	100.00
EPA 200.8	Cadmium	<RL	24	24	100.00
EPA 200.8	Copper	<RL	31	31	100.00
EPA 200.8	Lead	<RL	24	24	100.00
EPA 200.8	Nickel	<RL	24	24	100.00
EPA 200.8	Selenium	<RL	24	24	100.00
EPA 200.8	Zinc	<RL	26	25	96.15
		<b>TOTAL</b>	877	876	99.89

**Table 17. ESJWQC summary of lab control spike quality control sample evaluations.**

Laboratory control spikes and laboratory control spike duplicates were analyzed in batches with samples collected during the irrigation season of 2008 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	PR 31-133	13	13	100.00
EPA 8321A CARB	Carbaryl	PR 44-133	13	13	100.00
EPA 8321A CARB	Carbofuran	PR 36-165	13	13	100.00
EPA 8321A CARB	Methiocarb	PR 35-142	13	13	100.00
EPA 8321A CARB	Methomyl	PR23-152	13	13	100.00
EPA 8321A CARB	Oxamyl	PR 10-117	13	13	100.00
EPA 8321A CARB	Diuron	PR 52-136	15	15	100.00
EPA 8321A CARB	Linuron	PR 49-144	13	13	100.00
EPA 619	Atrazine	PR 39-156	12	12	100.00
EPA 619	Cyanazine	PR 22-172	12	12	100.00
EPA 619	Simazine	PR 21-179	12	12	100.00
EPA 547M	Glyphosate	PR 72-131	24	24	100.00
EPA 549.2M	Paraquat dichloride	PR 50-126	12	7	58.33
EPA 8081A	DDD(p,p')	PR 38-135	12	12	100.00
EPA 8081A	DDE(p,p')	PR 21-134	12	12	100.00
EPA 8081A	DDT(p,p')	PR 18-145	12	12	100.00
EPA 8081A	Dicofol	PR 40-135	12	12	100.00
EPA 8081A	Dieldrin	PR 48-121	12	11	91.67
EPA 8081A	Endrin	PR 24-143	12	12	100.00
EPA 8081A	Methoxychlor	PR 30-163	12	12	100.00
EPA 8081A	Bifenthrin	PR 52-117	12	12	100.00
EPA 8081A	Cyfluthrin	PR 53-125	12	12	100.00
EPA 8081A	Cypermethrin	PR 55-107	12	12	100.00
EPA 8081A	Esfenvalerate/Fenvalerate, total	PR 52-117	12	12	100.00
EPA 8081A	Cyhalothrin, lambda, total	PR 62-104	12	10	83.33
EPA 8081A	Permethrin, total	PR 24-166	12	12	100.00
EPA 8141A OP	Azinphos methyl	PR 36-189	12	12	100.00
EPA 8141A OP	Chlorpyrifos	PR 61-125	19	19	100.00
EPA 8141A OP	Diazinon	PR 57-130	12	12	100.00
EPA 8141A OP	Dimethoate	PR 68-202	12	12	100.00
EPA 8141A OP	Disulfoton	PR 47-117	12	11	91.67
EPA 8141A OP	Malathion	PR 47-125	12	12	100.00
EPA 8141A OP	Methidathion	PR 50-150	12	12	100.00
EPA 8141A OP	Parathion, Methyl	PR 55-164	12	12	100.00
EPA 8141A OP	Phorate	PR 44-117	12	12	100.00
EPA 8141A OP	Phosmet	PR 50-150	12	12	100.00
EPA 8141A OP	Molinate	PR 50-150	12	12	100.00
EPA 8141A OP	Thiobencarb	PR 50-150	12	11	91.67
EPA 8141A OP	Methamidophos	PR 40-135	15	15	100.00
EPA 110.2	Color	PR 80-120	12	12	100.00
EPA 130.2	Hardness as CaCO3	PR 80-120	29	29	100.00
EPA 160.1	Total Dissolved Solids	PR 80-120	16	16	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 180.1	Turbidity	PR 90-110	14	14	100.00
EPA 300.0	Nitrate as N	PR 90-110	18	18	100.00
EPA 350.2	Ammonia as N	PR 90-110	19	19	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	PR 90-110	23	23	100.00
EPA 354.1	Nitrite as N	PR 80-120	13	13	100.00
EPA 365.2	OrthoPhosphate as P	PR 90-110	12	12	100.00
EPA 365.2	Phosphate as P	PR 90-110	18	18	100.00
EPA 415.1	Total Organic Carbon	PR 80-120	18	18	100.00
SM 9223	E. coli	PR 80-120			NA
EPA 200.8	Arsenic	PR 85-115	24	24	100.00
EPA 200.8	Boron	PR 85-115	24	24	100.00
EPA 200.8	Cadmium	PR 85-115	24	24	100.00
EPA 200.8	Copper	PR 85-115	31	31	100.00
EPA 200.8	Lead	PR 85-115	24	24	100.00
EPA 200.8	Nickel	PR 85-115	24	24	100.00
EPA 200.8	Selenium	PR 85-115	24	24	100.00
EPA 200.8	Zinc	PR 85-115	23	26	100.00
		<b>TOTAL</b>	893	883	98.88

**Table 18. ESJWQC summary of lab control spike duplicate quality control sample evaluations.**

Laboratory control spikes and laboratory control spike duplicates were analyzed in batches with samples collected during the irrigation season of 2008 and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Pairs	Pairs Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	RPD ≤ 25	1	1	100.00
EPA 8321A CARB	Carbaryl	RPD ≤ 25	1	1	100.00
EPA 8321A CARB	Carbofuran	RPD ≤ 25	1	1	100.00
EPA 8321A CARB	Methiocarb	RPD ≤ 25	1	1	100.00
EPA 8321A CARB	Methomyl	RPD ≤ 25	1	1	100.00
EPA 8321A CARB	Oxamyl	RPD ≤ 25	1	1	100.00
EPA 8321A CARB	Diuron	RPD ≤ 25	2	2	100.00
EPA 8321A CARB	Linuron	RPD ≤ 25	1	1	100.00
EPA 619	Atrazine	RPD ≤ 25			NA
EPA 619	Cyanazine	RPD ≤ 25			NA
EPA 619	Simazine	RPD ≤ 25			NA
EPA 547M	Glyphosate	RPD ≤ 25	12	12	100.00
EPA 549.2M	Paraquat dichloride	RPD ≤ 25			NA
EPA 8081A	DDD(p,p')	RPD ≤ 25			NA
EPA 8081A	DDE(p,p')	RPD ≤ 25			NA
EPA 8081A	DDT(p,p')	RPD ≤ 25			NA
EPA 8081A	Dicofol	RPD ≤ 25			NA
EPA 8081A	Dieldrin	RPD ≤ 25			NA
EPA 8081A	Endrin	RPD ≤ 25			NA
EPA 8081A	Methoxychlor	RPD ≤ 25			NA
EPA 8081A	Bifenthrin	RPD ≤ 25			NA
EPA 8081A	Cyfluthrin	RPD ≤ 25			NA
EPA 8081A	Cypermethrin	RPD ≤ 25			NA
EPA 8081A	Esfenvalerate/Fenvalerate, total	RPD ≤ 25			NA
EPA 8081A	Cyhalothrin, lambda, total	RPD ≤ 25			NA
EPA 8081A	Permethrin, total	RPD ≤ 25			NA
EPA 8141A OP	Azinphos methyl	RPD ≤ 25			NA
EPA 8141A OP	Chlorpyrifos	RPD ≤ 25	3	3	100.00
EPA 8141A OP	Diazinon	RPD ≤ 25			NA
EPA 8141A OP	Dimethoate	RPD ≤ 25			NA
EPA 8141A OP	Disulfoton	RPD ≤ 25			NA
EPA 8141A OP	Malathion	RPD ≤ 25			NA
EPA 8141A OP	Methidathion	RPD ≤ 25			NA
EPA 8141A OP	Parathion, Methyl	RPD ≤ 25			NA
EPA 8141A OP	Phorate	RPD ≤ 25			NA
EPA 8141A OP	Phosmet	RPD ≤ 25			NA
EPA 8141A OP	Molinate	RPD ≤ 25			NA
EPA 8141A OP	Thiobencarb	RPD ≤ 25			NA

Method	Analyte	Data Quality Objective	Number of Pairs	Pairs Within Control Limits	Percent Samples Acceptable
EPA 8141A OP	Methamidophos	RPD ≤ 25	3	3	100.00
EPA 110.2	Color	RPD ≤ 25			NA
EPA 130.2	Hardness as CaCO3	RPD ≤ 25			NA
EPA 160.1	Total Dissolved Solids	RPD ≤ 25			NA
EPA 180.1	Turbidity	RPD ≤ 25			NA
EPA 300.0	Nitrate as N	RPD ≤ 25			NA
EPA 350.2	Ammonia as N	RPD ≤ 25			NA
EPA 351.3	Nitrogen, Total Kjeldahl	RPD ≤ 25			NA
EPA 354.1	Nitrite as N	RPD ≤ 25			NA
EPA 365.2	OrthoPhosphate as P	RPD ≤ 25			NA
EPA 365.2	Phosphate as P	RPD ≤ 25			NA
EPA 415.1	Total Organic Carbon	RPD ≤ 25			NA
SM 9223	E. coli	RPD ≤ 25			NA
EPA 200.8	Arsenic	RPD ≤ 25			NA
EPA 200.8	Boron	RPD ≤ 25			NA
EPA 200.8	Cadmium	RPD ≤ 25			NA
EPA 200.8	Copper	RPD ≤ 25			NA
EPA 200.8	Lead	RPD ≤ 25			NA
EPA 200.8	Nickel	RPD ≤ 25			NA
EPA 200.8	Selenium	RPD ≤ 25			NA
EPA 200.8	Zinc	RPD ≤ 25			NA
		<b>TOTAL</b>	27	27	100.00

**Table 19. ESJWQC summary of matrix spike quality control sample evaluations.**

Matrix spikes and matrix spike duplicates were collected during the irrigation season of 2008. Included in the following table are NONAG matrix spikes included for batch quality assurance purposes. Evaluations are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	PR 31-133	24	24	100.00
EPA 8321A CARB	Carbaryl	PR 44-133	24	24	100.00
EPA 8321A CARB	Carbofuran	PR 36-165	24	24	100.00
EPA 8321A CARB	Methiocarb	PR 35-142	24	24	100.00
EPA 8321A CARB	Methomyl	PR 23-152	24	21	87.50
EPA 8321A CARB	Oxamyl	PR 10-117	24	24	100.00
EPA 8321A CARB	Diuron	PR52-136	24	24	100.00
EPA 8321A CARB	Linuron	PR 49-144	24	24	100.00
EPA 619	Atrazine	PR 39-156	24	24	100.00
EPA 619	Cyanazine	PR 22-172	24	21	87.50
EPA 619	Simazine	PR 21-179	24	24	100.00
EPA 547M	Glyphosate	PR 72-131	24	22	91.67
EPA 549.2M	Paraquat dichloride	PR 50-126	24	6	25.00
EPA 8081A	DDD(p,p')	PR 38-135	24	24	100.00
EPA 8081A	DDE(p,p')	PR 21-134	24	24	100.00
EPA 8081A	DDT(p,p')	PR 18-145	24	24	100.00
EPA 8081A	Dicofol	PR 40-135	24	24	100.00
EPA 8081A	Dieldrin	PR 48-121	24	22	91.67
EPA 8081A	Endrin	PR 24-143	24	24	100.00
EPA 8081A	Methoxychlor	PR 30-163	24	24	100.00
EPA 8081A	Bifenthrin	PR 52-117	24	24	100.00
EPA 8081A	Cyfluthrin	PR 53-125	24	24	100.00
EPA 8081A	Cypermethrin	PR 55-107	24	24	100.00
EPA 8081A	Esfenvalerate/Fenvalerate, total	PR 52-117	24	24	100.00
EPA 8081A	Cyhalothrin, lambda, total	PR 62-104	24	23	95.83
EPA 8081A	Permethrin, total	PR 24-166	24	24	100.00
EPA 8141A OP	Azinphos methyl	PR 36-189	24	24	100.00
EPA 8141A OP	Chlorpyrifos	PR 61-125	26	26	100.00
EPA 8141A OP	Diazinon	PR 57-130	24	24	100.00
EPA 8141A OP	Dimethoate	PR 68-202	24	23	95.83
EPA 8141A OP	Disulfoton	PR 47-117	24	23	95.83
EPA 8141A OP	Malathion	PR 47-125	24	23	95.83
EPA 8141A OP	Methidathion	PR 50-150	24	22	91.67
EPA 8141A OP	Parathion, Methyl	PR 55-164	24	24	100.00
EPA 8141A OP	Phorate	PR 44-117	24	24	100.00
EPA 8141A OP	Phosmet	PR 50-150	24	19	79.17
EPA 8141A OP	Molinate	PR 50-150	24	22	91.67

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8141A OP	Thiobencarb	PR 50-150	24	23	95.83
EPA 8141A OP	Methamidophos	PR 40-135	24	22	91.67
EPA 110.2	Color	PR 80-120			NA
EPA 130.2	Hardness as CaCO3	PR 80-120	58	55	94.83
EPA 160.1	Total Dissolved Solids	PR 80-120			NA
EPA 180.1	Turbidity	PR 90-110			NA
EPA 300.0	Nitrate as N	PR 90-110	34	26	76.47
EPA 350.2	Ammonia as N	PR 90-110	38	38	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	PR 90-110	46	33	71.74
EPA 354.1	Nitrite as N	PR 80-120	26	26	100.00
EPA 365.2	OrthoPhosphate as P	PR 90-110	24	22	91.67
EPA 365.2	Phosphate as P	PR 90-110	36	36	100.00
EPA 415.1	Total Organic Carbon	PR 80-120	36	34	94.44
SM 9223	E. coli	PR 80-120			NA
EPA 200.8	Arsenic	PR 85-115	48	48	100.00
EPA 200.8	Boron	PR 85-115	48	37	77.08
EPA 200.8	Cadmium	PR 85-115	48	48	100.00
EPA 200.8	Copper	PR 85-115	62	61	98.39
EPA 200.8	Lead	PR 85-115	48	48	100.00
EPA 200.8	Nickel	PR 85-115	48	48	100.00
EPA 200.8	Selenium	PR 85-115	48	47	97.92
EPA 200.8	Zinc	PR 85-115	52	49	94.23
		<b>TOTAL</b>	1638	1550	94.63

**Table 20. ESJWQC summary of matrix spike duplicate quality control sample evaluations.**

Matrix spikes and matrix spike duplicates were collected during the irrigation season of 2008. Included in the following table are NONAG matrix spikes included for batch quality assurance purposes. Evaluations are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Pairs	Pairs Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Carbaryl	RPD ≤ 25	12	11	91.67
EPA 8321A CARB	Carbofuran	RPD ≤ 25	12	10	83.33
EPA 8321A CARB	Methiocarb	RPD ≤ 25	12	10	83.33
EPA 8321A CARB	Methomyl	RPD ≤ 25	12	12	100.00
EPA 8321A CARB	Oxamyl	RPD ≤ 25	12	11	91.67
EPA 8321A CARB	Diuron	RPD ≤ 25	12	10	83.33
EPA 8321A CARB	Linuron	RPD ≤ 25	12	12	100.00
EPA 619	Atrazine	RPD ≤ 25	12	12	100.00
EPA 619	Cyanazine	RPD ≤ 25	12	11	91.67
EPA 619	Simazine	RPD ≤ 25	12	12	100.00
EPA 547M	Glyphosate	RPD ≤ 25	12	12	100.00
EPA 549.2M	Paraquat dichloride	RPD ≤ 25	12	10	83.33
EPA 8081A	DDD(p,p')	RPD ≤ 25	12	11	91.67
EPA 8081A	DDE(p,p')	RPD ≤ 25	12	11	91.67
EPA 8081A	DDT(p,p')	RPD ≤ 25	12	11	91.67
EPA 8081A	Dicofol	RPD ≤ 25	12	12	100.00
EPA 8081A	Dieldrin	RPD ≤ 25	12	11	91.67
EPA 8081A	Endrin	RPD ≤ 25	12	11	91.67
EPA 8081A	Methoxychlor	RPD ≤ 25	12	11	91.67
EPA 8081A	Bifenthrin	RPD ≤ 25	12	12	100.00
EPA 8081A	Cyfluthrin	RPD ≤ 25	12	11	91.67
EPA 8081A	Cypermethrin	RPD ≤ 25	12	12	100.00
EPA 8081A	Esfenvalerate/Fenvalerate, total	RPD ≤ 25	12	11	91.67
EPA 8081A	Cyhalothrin, lambda, total	RPD ≤ 25	12	12	100.00
EPA 8081A	Permethrin, total	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Azinphos methyl	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Chlorpyrifos	RPD ≤ 25	13	13	100.00
EPA 8141A OP	Diazinon	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Dimethoate	RPD ≤ 25	12	11	91.67
EPA 8141A OP	Disulfoton	RPD ≤ 25	12	11	91.67
EPA 8141A OP	Malathion	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Methodathion	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Parathion, Methyl	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Phorate	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Phosmet	RPD ≤ 25	12	11	91.67
EPA 8141A OP	Molinate	RPD ≤ 25	12	12	100.00

Method	Analyte	Data Quality Objective	Number of Pairs	Pairs Within Control Limits	Percent Samples Acceptable
EPA 8141A OP	Thiobencarb	RPD ≤ 25	12	12	100.00
EPA 8141A OP	Methamidophos	RPD ≤ 25	12	11	91.67
EPA 110.2	Color	RPD ≤ 25			NA
EPA 130.2	Hardness as CaCO3	RPD ≤ 25	29	29	100.00
EPA 160.1	Total Dissolved Solids	RPD ≤ 25			NA
EPA 180.1	Turbidity	RPD ≤ 25			NA
EPA 300.0	Nitrate as N	RPD ≤ 25	17	17	100.00
EPA 350.2	Ammonia as N	RPD ≤ 25	19	19	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	RPD ≤ 25	23	22	95.65
EPA 354.1	Nitrite as N	RPD ≤ 25	13	13	100.00
EPA 365.2	OrthoPhosphate as P	RPD ≤ 25	12	12	100.00
EPA 365.2	Phosphate as P	RPD ≤ 25	18	18	100.00
EPA 415.1	Total Organic Carbon	RPD ≤ 25	18	18	100.00
SM 9223	E. coli	RPD ≤ 25			NA
EPA 200.8	Arsenic	RPD ≤ 25	24	24	100.00
EPA 200.8	Boron	RPD ≤ 25	24	23	95.83
EPA 200.8	Cadmium	RPD ≤ 25	24	24	100.00
EPA 200.8	Copper	RPD ≤ 25	31	31	100.00
EPA 200.8	Lead	RPD ≤ 25	24	24	100.00
EPA 200.8	Nickel	RPD ≤ 25	24	24	100.00
EPA 200.8	Selenium	RPD ≤ 25	24	24	100.00
EPA 200.8	Zinc	RPD ≤ 25	26	26	100.00
		<b>TOTAL</b>	819	794	96.95

**Table 21. ESJWQC summary of lab duplicate quality control sample evaluations.**

Samples were analyzed in batches with samples collected during the irrigation season of 2008, and also include NONAG matrix spikes included for batch quality assurance purposes, and are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	RPD ≤ 25			NA
EPA 8321A CARB	Carbaryl	RPD ≤ 25			NA
EPA 8321A CARB	Carbofuran	RPD ≤ 25			NA
EPA 8321A CARB	Methiocarb	RPD ≤ 25			NA
EPA 8321A CARB	Methomyl	RPD ≤ 25			NA
EPA 8321A CARB	Oxamyl	RPD ≤ 25			NA
EPA 8321A CARB	Diuron	RPD ≤ 25			NA
EPA 8321A CARB	Linuron	RPD ≤ 25			NA
EPA 619	Atrazine	RPD ≤ 25			NA
EPA 619	Cyanazine	RPD ≤ 25			NA
EPA 619	Simazine	RPD ≤ 25			NA
EPA 547M	Glyphosate	RPD ≤ 25			NA
EPA 549.2M	Paraquat dichloride	RPD ≤ 25			NA
EPA 8081A	DDD(p,p')	RPD ≤ 25			NA
EPA 8081A	DDE(p,p')	RPD ≤ 25			NA
EPA 8081A	DDT(p,p')	RPD ≤ 25			NA
EPA 8081A	Dicofol	RPD ≤ 25			NA
EPA 8081A	Dieldrin	RPD ≤ 25			NA
EPA 8081A	Endrin	RPD ≤ 25			NA
EPA 8081A	Methoxychlor	RPD ≤ 25			NA
EPA 8081A	Bifenthrin	RPD ≤ 25			NA
EPA 8081A	Cyfluthrin, total	RPD ≤ 25			NA
EPA 8081A	Cypermethrin, total	RPD ≤ 25			NA
EPA 8081A	Esfenvalerate/Fenvalerate, total	RPD ≤ 25			NA
EPA 8081A	Cyhalothrin, lambda, total	RPD ≤ 25			NA
EPA 8081A	Permethrin, total	RPD ≤ 25			NA
EPA 8141A OP	Azinphos methyl	RPD ≤ 25			NA
EPA 8141A OP	Chlorpyrifos	RPD ≤ 25			NA
EPA 8141A OP	Diazinon	RPD ≤ 25			NA
EPA 8141A OP	Dimethoate	RPD ≤ 25			NA
EPA 8141A OP	Disulfoton	RPD ≤ 25			NA
EPA 8141A OP	Malathion	RPD ≤ 25			NA
EPA 8141A OP	Methidathion	RPD ≤ 25			NA
EPA 8141A OP	Parathion, Methyl	RPD ≤ 25			NA
EPA 8141A OP	Phorate	RPD ≤ 25			NA
EPA 8141A OP	Phosmet	RPD ≤ 25			NA
EPA 8141A OP	Molinate	RPD ≤ 25			NA
EPA 8141A OP	Thiobencarb	RPD ≤ 25			NA

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8141A OP	Methamidophos	RPD ≤ 25			NA
EPA 110.2	Color	RPD ≤ 25	12	12	100.00
EPA 130.2	Hardness as CaCO <sub>3</sub>	RPD ≤ 25			NA
EPA 160.1	Total Dissolved Solids	RPD ≤ 25	16	16	100.00
EPA 180.1	Turbidity	RPD ≤ 25	14	14	100.00
EPA 300.0	Nitrate as N	RPD ≤ 25			NA
EPA 350.2	Ammonia as N	RPD ≤ 25			NA
EPA 351.3	Nitrogen, Total Kjeldahl	RPD ≤ 25			NA
EPA 354.1	Nitrite as N	RPD ≤ 25			NA
EPA 365.2	OrthoPhosphate as P	RPD ≤ 25			NA
EPA 365.2	Phosphate as P	RPD ≤ 25			NA
EPA 415.1	Total Organic Carbon	RPD ≤ 25			NA
SM 9223	E. coli	Rlog ≤ 1.3	12	12	100.00
EPA 200.8	Arsenic	RPD ≤ 25			NA
EPA 200.8	Boron	RPD ≤ 25			NA
EPA 200.8	Cadmium	RPD ≤ 25			NA
EPA 200.8	Copper	RPD ≤ 25			NA
EPA 200.8	Lead	RPD ≤ 25			NA
EPA 200.8	Nickel	RPD ≤ 25			NA
EPA 200.8	Selenium	RPD ≤ 25			NA
EPA 200.8	Zinc	RPD ≤ 25			NA
		<b>TOTAL</b>	54	54	100.00

**Table 22. ESJWQC summary of surrogate recovery quality control sample evaluations.**

Surrogates were run with water samples collected and LABQAs analyzed during the irrigation season of 2008 for all organics except paraquat and glyphosate. Included are NONAG samples. Evaluations are sorted by method and analyte.

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Isoxaben(Surrogate)	RPD ≤ 25; PR 36-140	69	69	100.00
EPA 8321A CARB	Tributylphosphate(Surrogate)	RPD ≤ 25; PR 36-140	193	193	100.00
EPA 8321A CARB	Triphenyl phosphate(Surrogate)	RPD ≤ 25; PR 56-129			NA
EPA 619	Tributylphosphate(Surrogate)	RPD ≤ 25; PR 62-145	187	186	99.47
EPA 619	Triphenyl phosphate(Surrogate)	RPD ≤ 25; PR 54-144	187	187	100.00
EPA 8081A	Decachlorobiphenyl(Surrogate)	RPD ≤ 25; PR 16-146	186	186	100.00
EPA 8081A	Tetrachloro-m-xylene(Surrogate)	RPD ≤ 25; PR 15-98	186	186	100.00
EPA 8081A	Tributylphosphate(Surrogate)	RPD ≤ 25; PR 60-150	1	1	100.00
EPA 8081A	Triphenyl phosphate(Surrogate)	RPD ≤ 25; PR 56-129	1	1	100.00
EPA 8141A OP	Tributylphosphate(Surrogate)	RPD ≤ 25; PR 60-150	413	407	98.55
EPA 8141A OP	Triphenyl phosphate(Surrogate)	RPD ≤ 25; PR 56-129	413	405	98.06
		<b>TOTAL</b>	1836	1821	99.18

**Table 23. ESJWQC summary of holding time evaluations for environmental, field blank, field duplicate and matrix spike samples collected during the irrigation season of 2008; sorted by method and analyte.**

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8321A CARB	Aldicarb	7 days	151	151	100.00
EPA 8321A CARB	Carbaryl	7 days	151	151	100.00
EPA 8321A CARB	Carbofuran	7 days	151	151	100.00
EPA 8321A CARB	Methiocarb	7 days	151	151	100.00
EPA 8321A CARB	Methomyl	7 days	151	151	100.00
EPA 8321A CARB	Oxamyl	7 days	151	151	100.00
EPA 8321A CARB	Diuron	7 days	153	153	100.00
EPA 8321A CARB	Linuron	7 days	151	151	100.00
EPA 619	Atrazine	7 days	151	151	100.00
EPA 619	Cyanazine	7 days	151	151	100.00
EPA 619	Simazine	7 days	151	151	100.00
EPA 547M	Glyphosate	14 days	151	151	100.00
EPA 549.2M	Paraquat dichloride	7 days	151	126	83.44
EPA 8081A	DDD(p,p')	7 days	151	151	100.00
EPA 8081A	DDE(p,p')	7 days	151	151	100.00
EPA 8081A	DDT(p,p')	7 days	151	151	100.00
EPA 8081A	Dicofol	7 days	151	151	100.00
EPA 8081A	Dieldrin	7 days	151	151	100.00
EPA 8081A	Endrin	7 days	151	151	100.00
EPA 8081A	Methoxychlor	7 days	151	151	100.00
EPA 8081A	Bifenthrin	7 days	116	116	100.00
EPA 8081A	Cyfluthrin	7 days	116	116	100.00
EPA 8081A	Cypermethrin	7 days	116	116	100.00
EPA 8081A	Esfenvalerate/Fenvalerate, total	7 days	116	116	100.00
EPA 8081A	Cyhalothrin, lambda, total	7 days	116	116	100.00
EPA 8081A	Permethrin, total	7 days	116	116	100.00
EPA 8141A OP	Azinphos methyl	7 days	151	151	100.00
EPA 8141A OP	Chlorpyrifos	7 days	173	173	100.00
EPA 8141A OP	Diazinon	7 days	151	151	100.00
EPA 8141A OP	Dimethoate	7 days	151	151	100.00
EPA 8141A OP	Disulfoton	7 days	151	151	100.00
EPA 8141A OP	Malathion	7 days	151	151	100.00
EPA 8141A OP	Methodathion	7 days	151	151	100.00
EPA 8141A OP	Parathion, Methyl	7 days	151	151	100.00
EPA 8141A OP	Phorate	7 days	151	151	100.00
EPA 8141A OP	Phosmet	7 days	151	151	100.00
EPA 8141A OP	Molinate	7 days	151	151	100.00
EPA 8141A OP	Thiobencarb	7 days	151	151	100.00

Method	Analyte	Data Quality Objective	Number of Samples	Samples Within Control Limits	Percent Samples Acceptable
EPA 8141A OP	Methamidophos	7 days	151	151	100.00
EPA 110.2	Color	48 hours	139	139	100.00
EPA 130.2	Hardness as CaCO3	6 months	190	190	100.00
EPA 160.1	Total Dissolved Solids	48 hours	139	139	100.00
EPA 180.1	Turbidity	48 hours	139	139	100.00
EPA 300.0	Nitrate as N	48 hours	159	159	100.00
EPA 350.2	Ammonia as N	Field acidify, 28 days	153	153	100.00
EPA 351.3	Nitrogen, Total Kjeldahl	Field acidify, 28 days	152	152	100.00
EPA 354.1	Nitrite as N	48 hours	152	152	100.00
EPA 365.2	OrthoPhosphate as P	48 hours	151	151	100.00
EPA 365.2	Phosphate as P	Field acidify, 28 days	153	153	100.00
EPA 415.1	Total Organic Carbon	28 days	155	155	100.00
SM 9223	E. coli	24 hours	139	139	100.00
EPA 200.8	Arsenic	Field acidify, 40 days	162	162	100.00
EPA 200.8	Boron	Field acidify, 40 days	162	162	100.00
EPA 200.8	Cadmium	Field acidify, 40 days	162	162	100.00
EPA 200.8	Copper	Field acidify, 40 days	195	195	100.00
EPA 200.8	Lead	Field acidify, 40 days	162	162	100.00
EPA 200.8	Nickel	Field acidify, 40 days	162	162	100.00
EPA 200.8	Selenium	Field acidify, 40 days	162	162	100.00
EPA 200.8	Zinc	Field acidify, 40 days	162	162	100.00
		<b>TOTAL</b>	8853	8828	99.72

**Table 24. ESJWQC summary of toxicity retest evaluations due to failed toxicity criteria for samples collected during the irrigation season of 2008; sorted by method and species.**

Method	Toxicity Species	Total Samples	Total Samples Retested	Percent Samples Within Acceptable Criteria
EPA 821/R-02-012	<i>Ceriodaphnia dubia</i>	141	0	100.00
EPA 821/R-02-012	<i>Pimephales promelas</i>	131	0	100.00
EPA 821/R-02-013	<i>Selenastrum capricornutum</i>	153	0	100.00
EPA 600/R-99-064	<i>Hyalella azteca</i>	35	0	100.00

**Table 25. ESJWQC summary of toxicity field duplicate sample evaluations collected during the irrigation season of 2008; sorted by method and species.**

Method	Toxicity Species	Total Field Duplicate Samples	Data Quality Objective (DQO)	Total Field Duplicate Samples Within DQO	Percent Samples Within Acceptable Criteria
EPA 821/R-02-012	<i>Ceriodaphnia dubia</i>	12	RPD ≤ 25	12	100.00
EPA 821/R-02-012	<i>Pimephales promelas</i>	12	RPD ≤ 25	12	100.00
EPA 821/R-02-013	<i>Selenastrum capricornutum</i>	12	RPD ≤ 25	10	83.33
EPA 600/R-99-064	<i>Hyalella azteca</i>	2	RPD ≤ 25	2	100.00

## Pesticide Use Information

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All exceedances for the 2008 irrigation sampling are provided in the next section of this report, Data Interpretation. Pesticide use reports (PUR) for January 2008 – September 2008 were requested from all the counties within the Coalition region and applications relevant to exceedances are included in Appendix IV. It should be noted that PUR data are considered preliminary and may include errors and/or omissions.

For each sampling period in which chemicals, metals or toxicity were detected, all reported pesticide use for one to six months prior to sampling (depending on the exceedance, see Table 26) was collected for the specific site subwatershed based on Township-Range-Section (TRS). All pesticide products that contained the detected chemicals and metals are listed by their active ingredients and application method and are provided in maps in Appendix IV. Pesticide use is reported as amount of product used. Some products may have more than one active ingredient and in this case the product appears more than once with the name of the chemical ingredient. Data are not available for individual fields or parcels except where they coincide with complete sections. If necessary, PURs can be tentatively assigned to individual parcels by matching the size of the parcel and crop from the land use data with the number of acres and the commodity to which the product was applied and also using land ownership information and matching to user information on the PUR tables. Where exceedances in consecutive monitoring periods require pesticide use reports, only the additional pesticide use from the date of the previous exceedance are provided for the later exceedance. If there were no applications within the specified PUR collection period (Table 26), PUR data for an additional month back was reviewed. If no applications were made during this additional month, the last application was noted.

Cyanazine, dieldrin, endrin, DDT and DDE exceedances are not queried since there are no registered products that contain these chemicals. Nitrate/nitrite exceedances are not listed since the use of these products are not reported.

**Table 26. Pesticide use data collected for reported exceedances.**

Exceedance Type	Pesticides Use Data Collected
Pesticides in water column	1 month with 6 months for pyrethroids
Metals in water column	3 months
Sediment Toxicity – <i>Hyalella azteca</i>	3 months with 6 months for pyrethroids
Water column toxicity – <i>Selenastrum capricornutum</i> , <i>Pimephales promelas</i> and <i>Ceriodaphnia dubia</i>	1 month with 6 months for pyrethroids

## Data Interpretation

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Discrepancies occurred between exceedances reported in this document and those submitted as exceedance reports to the CVRWQCB during the 2008 irrigation monitoring season (Table 27). These discrepancies include detections that were either not reported in official exceedance reports or were reported incorrectly for various reasons described below.

Exceedances of cadmium, lead and nickel have been reported in Exceedance Reports that are not included in the following tables due to increased WQTLs (revised WQTL list received on September 16, 2008). Therefore 10 cadmium exceedances (WQTL raised from 0.04 to 5 µg/L), five lead exceedances (WQTL raised from 2 to 15 µg/L) and one nickel exceedance (WQTL raised from 12 to 100 µg/L) were reported to the Regional Board that are no longer considered exceedances.

In addition, discrepancies occurred between the initial percentages reported for *Selenastrum capricornutum* toxicity and those included in this report. *Selenastrum* toxicity test results are reported from the laboratory in both absorbance units and cells/mL (calculated based on absorbance). Initially a percent cell growth relative to the control was calculated based on the reported absorbance; however the percent relative to the control values entered into the Coalition database were calculated based on cell counts. Because of the nature of the calculations, the percentages reported in the initial exceedance reports may vary slightly from the final exceedances listed in Table 32.

pH exceedances for Highline Canal @ Hwy 99 and Livingston Drain @ Robin Ave (sampled on June 3, 2008) were reported incorrectly on June 4, 2008 as 8.54 and 8.61, respectively. The true results are 8.61 for Livingston Drain @ Robin Ave and 8.54 for Highline Canal @ Hwy 99 (Table 27).

A dissolved oxygen exceedance was not reported for Black Rascal Creek @ Yosemite Rd sampled on September 30, 2008 (Table 27).

In an Exceedance Report submitted on October 2, 2008, exceedances of DDE and DDT were reported for Highline Canal @ Lombardy Rd. It was not noted that both of these were detected in the field blank; the associated field duplicate and environmental sample both had no DDE and DDT. The other three exceedances (chlorpyrifos, malathion and methyl parathion) reported for Highline Canal @ Lombardy Rd were results from the field duplicate, not the environmental sample. The Highline Canal @ Lombardy Rd environmental sample collected on August 19 had no pesticide exceedances. In the same table, malathion concentration was reported as 0.012 µg/L for Prairie Flower Drain @ Crows Landing; the correct value was 0.12 µg/L (Table 27).

All samples that were toxic were resampled within 48 hours of receiving laboratory results. All samples that experienced toxicity greater than 50% of the control underwent toxicity identification evaluations (TIEs) except for two samples collected as resamples due to toxicity in

the original sample. In April, Deadman's Creek @ Hwy 59 and Duck Slough @ Hwy 99 both had a >50% reduction in algae cell growth in the resamples. Phase I algae TIEs were scheduled for the resamples, but due to lab error the samples were discarded prior to the initiation of the TIE. Complete TIE results are included Appendix VI and summarized in Table 32.

Water quality trigger limits (WQTLs) used to determine exceedances are provided in Table 28. A summary of exceedances that occurred during monitoring over the 2008 irrigation season is presented in Table 29 - Table 32.

**Table 27. Exceedance discrepancies that occurred during the 2008 irrigation season.**

Station Name	Sample Date	Analyte	Unit	Exceedance Report	Current Report
Highline Canal @ Hwy 99	06/03/08	pH	none	8.54	8.61
Livingston Drain @ Robin Ave	06/03/08	pH	none	8.61	8.54
Highline Canal @ Lombardy Rd (FD)	08/19/08	Chlorpyrifos	µg/L	Reported as the environmental sample	0.031
Highline Canal @ Lombardy Rd (FB)	08/19/08	DDE	µg/L	Not Reported	0.0089
Highline Canal @ Lombardy Rd (FB)	08/19/08	DDT	µg/L	Not Reported	0.018
Highline Canal @ Lombardy Rd (FD)	08/19/08	Malathion	µg/L	Reported as the environmental sample	0.14
Prairie Flower Drain @ Crows Landing Rd	08/19/08	Malathion	µg/L	0.012	0.12
Highline Canal @ Lombardy Rd (FD)	08/19/08	Methyl parathion	µg/L	Reported as the environmental sample	0.18
Black Rascal Creek @ Yosemite Rd	09/30/08	Oxygen, Dissolved	mg/L	Not Reported	3.75

**Table 28. Water Quality Triggers Limits (WQTLs) for constituents and parameters measured during Coalition monitoring (updated on September 16, 2008).**

Constituent	Water Quality Trigger Limit (WQTL)	Standard Type	Beneficial Use (BU) with most protective limit	Reference for the Trigger Limit	Category (see footnotes)
<b>Field and Physical Parameters</b>					
pH	6.5 - 8.5 units	Numeric		Sacramento/San Joaquin Rivers Basin Plan (page III.6.00)	1
Electrical Conductivity (maximum)	700 umhos/cm	Narrative	Agricultural Supply	Water Quality for Agriculture (Ayers & Westcot)	3
Dissolved Oxygen (minimum)	7 mg/L	Numeric	Cold Freshwater Habitat, Spawning	Sacramento/San Joaquin Rivers Basin Plan. Water Quality Control Plan for the Tulare Lake Basin.	1
	5 mg/L		Warm Freshwater Habitat		
Turbidity	variable	Numeric	Municipal and Domestic Supply	Basin Plan Objective - increase varies based on natural turbidity	1
Total Dissolved Solids	450 mg/L	Narrative	Agricultural Supply	Water Quality for Agriculture (Ayers & Westcot)	3
Total Suspended Solids	NA				
Temperature	variable	Numeric		Basin Plan Objective (see objectives for COLD, WARM, and Enclosed Bays and Estuaries)	1
E coli	235 MPN/100 ml	Narrative	Water Contact Recreation	EPA ambient water quality criteria, single-sample maximum	3
Fecal coliform	200 MPN/100 ml 400 MPN/100 ml	Numeric	Water Contact Recreation	Sacramento/San Joaquin Rivers Basin Plan (page III.3.00) Geometric mean of not less than five samples for any 30- day period, nor shall more than 10% of the total number of samples taken during a 30 -day period.	1
TOC	NA				
<b>Pesticides - Carbamates</b>					
Aldicarb	3 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: USEPA Primary MCL (MUN, human health)	1
Carbaryl	2.53 ug/L	Narrative	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Toxicity Objective: Freshwater Aquatic Life Protection - Continuous Concentration, 4-Day Average	3
Carbofuran	ND	Numeric		Sacramento/San Joaquin Basin Plan - Basin Plan Prohibition	2
Methiocarb	0.5 ug/L	Narrative	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Toxicity Objective: Handbook of Acute Toxicity of Chemicals to Fish and Aquatic Invertebrates	3
Methomyl	0.52 ug/L	Narrative	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Toxicity Objective: Freshwater Aquatic Life Protection - Continuous Concentration, 4-Day Average (California Department of Fish and Game) (aquatic life)	3
Oxamyl	50 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: Drinking Water Standards - Maximum Contaminant Levels (MCLs). California Dept of Health Services. Primary MCL	3
<b>Pesticides - Organochlorines</b>					

Constituent	Water Quality Trigger Limit (WQTL)	Standard Type	Beneficial Use (BU) with most protective limit	Reference for the Trigger Limit	Category (see footnotes)
DDD(p,p')	0.00083 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR, Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
DDE(p,p')	0.00059 ug/L				
DDT(p,p')	0.00059 ug/L				
Dicofol	NA				
Dieldrin	0.00014 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
	0.056	Numeric	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA) / Continuous Concentration 4-day average (total)	1
Endrin	0.036 ug/L	Numeric	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA) - Continuous Concentration 4-Day Average	1
	0.76 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
Methoxychlor	0.03 ug/L	Narrative	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA National Ambient Water Quality Criteria - Freshwater Aquatic Life Protection - instantaneous maximum	3
	30 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL (MUN, human health)	1
<b>Pesticides - Organophosphates</b>					
Azinphos methyl	0.01 ug/L	Narrative	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA National Ambient Water Quality Criteria - instantaneous maximum	3
Chlorpyrifos	0.015 ug/L	Numeric	Freshwater Habitat	Sacramento/San Joaquin Rivers Basin Plan: page III-6.01; San Joaquin River & Delta, Sacramento & Feather Rivers; more stringent 4-day average.	1
Diazinon	0.1 ug/L	Numeric	Freshwater Habitat	Sacramento/San Joaquin Basin Plan: San Joaquin River & Delta numeric standard. Sacramento & Feather Rivers numeric standard	1
Dichlorvos	0.085 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: Drinking Water Health Advisories or Suggested No-Adverse-Response Levels for non-cancer health effects. One-in-a-Million Incremental Cancer Risk Estimates for Drinking Water. Cal/EPA Cancer Potency Factor as a drinking water level	3
Dimethoate	1.0 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: Notification Level – DHS (MUN, human health). California Notification Levels. (Department of Health Services)	3
Demeton-s	NA				
Disulfoton	0.05 ug/L	Narrative	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA National Ambient Water Quality Criteria - Freshwater Aquatic Life Protection - instantaneous maximum	3
Malathion	ND	Numeric		Sacramento/San Joaquin Basin Plan - Basin Plan Prohibition	2

Constituent	Water Quality Trigger Limit (WQTL)	Standard Type	Beneficial Use (BU) with most protective limit	Reference for the Trigger Limit	Category (see footnotes)
Methamidophos	0.35 ug/L	Narrative	Municipal and Domestic Supply	Basin Plan Toxicity Objective, Drinking Water Health Advisories or Suggested No-Adverse-Response Levels for non-cancer health effects. USEPA IRIS Reference Dose (RfD) as a drinking water level.	3
Methidathion	0.7	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA IRIS Reference Dose (MUN, human health)	3
Parathion, Methyl	ND	Numeric		Sacramento/San Joaquin Basin Plan - Basin Plan Prohibition	2
Phorate	0.7 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: Drinking Water Health Advisories or Suggested No-Adverse-Response Levels for non-cancer health effects. USEPA IRIS Reference Dose (RfD) as a drinking water level.	3
Phosmet	140 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: Drinking Water Health Advisories or Suggested No-Adverse-Response Levels for non-cancer health effects. USEPA IRIS Reference Dose (RfD) as a drinking water level.	3
<b>Group A Pesticides</b>					
Aldrin	0.00013 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
	3 ug/L		Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA) - Instantaneous maximum	
Chlordane	0.00057 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
	0.0043 ug/L		Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA) - Continuous Concentration 4-day average (total)	
Heptachlor	0.00021ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
	0.0038 ug/L		Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA) - Continuous Concentration 4-day average (total)	
Heptachlor Epoxide	0.0001 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
	0.0038 ug/L		Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA) - Continuous Concentration 4-day average (total)	
Total Hexachlorocyclohexane (including lindane)	0.0039 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1

Constituent	Water Quality Trigger Limit (WQTL)	Standard Type	Beneficial Use (BU) with most protective limit	Reference for the Trigger Limit	Category (see footnotes)
	0.95 ug/L		Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA) - Maximum Concentration (1-hour Average)	
Endosulfan	110 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
	0.056 ug/L		Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: NTR (USEPA) - Continuous Concentration 4-day average (total)	
Toxaphene	0.00073 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA), Human Health Protection, 30-Day Average - Sources of Drinking Water (water & fish consumption)	1
	0.0002 ug/L		Cold Freshwater Habitat, Spawning	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR (USEPA) - Continuous Concentration 4-day average (total)	
<b>Pesticides - Herbicides</b>					
Atrazine	1.0 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL	1
Cyanazine	1.0 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA Health Advisory (human health)	3
Diuron	2 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: One-in-a-Million Incremental Cancer Risk Estimates for Drinking Water. USEPA Health Advisory. Likely to be carcinogenic to humans (U.S. Environmental Protection Agency, 2005 Guidelines for Carcinogen Risk Assessment).	3
Glyphosate	700 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL (MUN, human health)	1
Linuron	1.4 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA IRIS Reference Dose as a drinking water level	3
Molinate	ND	Numeric		Sacramento/San Joaquin Basin Plan - Basin Plan Discharge Prohibition	2
Paraquat dichloride	3.2 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA IRIS Reference Dose as a drinking water level	3
Simazine	4.0 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL (MUN, human health)	1
Thiobencarb	ND	Numeric		Sacramento/San Joaquin Basin Plan - Basin Plan Discharge Prohibition	2
Trifluralin	5 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA IRIS Cancer Risk Level. One-in-a-Million Incremental Cancer Risk Estimates for Drinking Water	3

Constituent	Water Quality Trigger Limit (WQTL)	Standard Type	Beneficial Use (BU) with most protective limit	Reference for the Trigger Limit	Category (see footnotes)
<b>Metals (c)</b>					
Arsenic	10 ug/L	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: USEPA Primary MCL (MUN, human health)	1
Boron	700 ug/L	Narrative	Agricultural Supply	Water Quality for Agriculture (Ayers & Westcot)	3
Cadmium	for aquatic life; variable (see cadmium worksheet).	Numeric	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR Freshwater Aquatic Life Protection - Continuous Concentration, 4-Day Average - Varies with water hardness	1
	5 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL (MUN, human health)	1
Copper	for aquatic life; variable (see copper worksheet).	Numeric	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: CTR Freshwater Aquatic Life Protection - Continuous Concentration, 4-Day Average - Varies with water hardness/	1
	1,300 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL (MUN, human health)	1
Lead	for aquatic life; variable (see lead worksheet).	Numeric	Freshwater Habitat	CTR Freshwater Aquatic Life Protection - Continuous Concentration, 4-Day Average - varies with water hardness	1
	15 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL (MUN, human health)	1
Molybdenum	15 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan - San Joaquin River, Mouth of the Merced River to Vernalis	1
	50 ug/L			Sacramento/San Joaquin Basin Plan - Salt Slough, Mud Slough (north), San Joaquin River from Sack Dam to the mouth of Merced River	
	10 ug/L	Narrative	Agricultural Supply	Water Quality for Agriculture (Ayers & Westcot)	3
	35 ug/L		Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA IRIS Reference Dose as a drinking water level.	
Nickel	For aquatic life variable (see Nickel worksheet).	Numeric	Freshwater Habitat	CTR Freshwater Aquatic Life Protection - Continuous Concentration, 4-Day Average - varies with water hardness	1
	100 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL (MUN, human health)	1
Selenium	50 ug/L	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL (MUN, human health)	1
	5 ug/L (4-day average)	Numeric	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: NTR Freshwater Aquatic Life Protection - Continuous Concentration - 4-Day Average	

Constituent	Water Quality Trigger Limit (WQTL)	Standard Type	Beneficial Use (BU) with most protective limit	Reference for the Trigger Limit	Category (see footnotes)
Zinc	For aquatic life variable (see Zinc worksheet).	Numeric	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: Freshwater Aquatic Life Protection - Continuous Concentration, 4-Day Average - varies with water hardness/	1
<b>Nutrients</b>					
Nitrate as NO3 Nitrate as N	45,000 ug/L as NO3 10,000 ug/L as N	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL	1
Nitrite as Nitrogen	1,000 ug/L as N	Numeric	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Chemical Constituents Objective: California Primary MCL	1
Ammonia	For aquatic life variable (see ammonia worksheet).	Narrative	Freshwater Habitat	Sacramento/San Joaquin Basin Plan Toxicity Objective: USEPA Freshwater Aquatic Life Criteria, Continuous Concentration	3
	1.5 mg/L (regardless of pH and Temperature values)	Narrative	Municipal and Domestic Supply	Sacramento/San Joaquin Basin Plan Toxicity Objective: Taste and Odor Threshold (Ammore and Hautala)	3
Hardness	NA				
Phosphorus, total	NA				
Orthophosphate, soluble	NA				
TKN	NA				

Category 1: Constituents that have numeric water quality objectives in the Sac-SJR Basin Plan or other WQO listed by reference such as MCLs (Page III-3.0)\*, CTRs (Page III-10.1)\*, and chlorinated hydrocarbon pesticides (Page III-6.0, third bullet)\*. Other numeric objectives may only apply to specific water bodies sections, or during specified time periods (see Basin Plan for more details).

Category 2: Pesticides with discharge prohibitions. Prohibitions apply to any discharges not subject to board-approved management practices (Page IV-25.0)\*.

Category 3: Constituent does not have numeric WQO, and does not have a primary MCL. WQ Trigger Limit exceedance is based on implementation of narrative objective. All detections should be tracked. None are default exceedances.

Category 4: Coalitions may propose alternative triggers for specific water bodies. The coalition must provide the documentation that supports their proposed alternative trigger.

(\*) Water Quality Control Plan for the Sacramento and San Joaquin River Basins. Revised on October 2007. Narrative WQTLs are based on Water Quality Goals Database. Updated by Jon Marshack on 16 July 2008

NA = Not Available. Until completion of evaluation studies and MRP Plan submittals with site specific information on beneficial uses.  
ND = Non Detect.

**Table 29. Exceedances of field parameters; sorted by station name and sample date.**

Station Name	Sample Type Code	Sample Date	Sample Time	Oxygen, Dissolved, mg/L	pH, none	Specific Conductivity, $\mu\text{S}/\text{cm}$
Berenda Slough @ Rd 19	MPM	07/29/08	13:40	1.1		
Black Rascal Creek @ Yosemite Rd	E	04/29/08	17:20		8.75	
Black Rascal Creek @ Yosemite Rd	MPM	07/08/08	13:10	2.3		
Black Rascal Creek @ Yosemite Rd	E	07/29/08	18:40	4.49		
Black Rascal Creek @ Yosemite Rd	MPM	08/05/08	13:20	5.58		
Black Rascal Creek @ Yosemite Rd	E	08/26/08	16:30	2.58		
Black Rascal Creek @ Yosemite Rd	E	08/28/08	14:20	2.26		
Black Rascal Creek @ Yosemite Rd	MPM	09/09/08	12:00	4.18		
Black Rascal Creek @ Yosemite Rd	E	09/30/08	14:20	3.75	5.02	
Black Rascal Creek @ Yosemite Rd	E	10/02/08	14:10	5.05		
Cottonwood Creek @ Rd 20	E	08/26/08	10:30	6.83		
Cottonwood Creek at Highway 145	MPM	08/26/08	9:40	6.45		
Deadman Creek (Dutchman) @ Gurr Rd	E	05/27/08	12:30			801
Deadman Creek (Dutchman) @ Gurr Rd	E	06/24/08	11:00	4.85		
Deadman Creek (Dutchman) @ Gurr Rd	E	07/29/08	11:40	6.87		
Deadman Creek (Dutchman) @ Gurr Rd	E	08/26/08	10:40	5.21		
Deadman Creek (Dutchman) @ Gurr Rd	E	08/28/08	11:50	5.9		
Deadman Creek (Dutchman) @ Gurr Rd	E	09/30/08	10:30	5.46		
Deadman Creek @ Hwy 59	E	06/24/08	12:00	3.78		
Deadman Creek @ Hwy 59	E	07/29/08	12:30	3.08		
Deadman Creek @ Hwy 59	MPM	08/05/08	12:00	4.51		
Deadman Creek @ Hwy 59	E	08/26/08	11:40	1.78		
Deadman Creek @ Hwy 59	E	08/28/08	11:20	1.05		
Deadman Creek @ Hwy 59	MPM	09/09/08	11:20	3.37		
Deadman Creek @ Hwy 59	E	09/30/08	12:20	4.45		
Deadman Creek @ Hwy 59	E	10/02/08	12:40	4.22		
Dry Creek @ Rd 18	E	08/26/08	12:30	5.82		
Dry Creek @ Rd 18	E	08/28/08	10:20	5.62		
Dry Creek @ Wellsford Rd	E	05/20/08	8:40	5.67		
Dry Creek @ Wellsford Rd	E	06/17/08	9:00	6.31		
Dry Creek @ Wellsford Rd	E	07/22/08	8:40	6.67		
Dry Creek @ Wellsford Rd	E	08/19/08	8:40	6.85		
Dry Creek @ Wellsford Rd	E	08/28/08	8:30	6.64		
Dry Creek @ Wellsford Rd	E	10/02/08	10:20	5.83		
Dry Creek at Road 22	E	04/29/08	14:30		8.8	
Dry Creek at Road 22	E	09/30/08	11:50	3.97		
Dry Creek at Waterford	E	07/22/08	9:50	6.08		
Dry Creek at Waterford	E	08/19/08	9:50	5.93		
Duck Slough @ Hwy 59	MPM	06/24/08	13:20	4.22		841
Duck Slough @ Hwy 59	MPM	07/29/08	13:40	4.83		
Duck Slough @ Hwy 59	MPM	09/30/08	13:10	3.33		
Hatch Drain @ Tuolumne Rd	E	04/22/08	9:30	2.14		1274
Hatch Drain @ Tuolumne Rd	E	04/29/08	8:50	0.82		1323
Hatch Drain @ Tuolumne Rd	E	05/20/08	10:50	1.67		1325
Hatch Drain @ Tuolumne Rd	E	05/27/08	19:10	0.73		1197
Hatch Drain @ Tuolumne Rd	E	06/17/08	10:10	0.99		1292
Hatch Drain @ Tuolumne Rd	E	07/22/08	9:50	0.67		1326
Hatch Drain @ Tuolumne Rd	E	07/29/08	8:20	0.9		1301

Station Name	Sample Type Code	Sample Date	Sample Time	Oxygen, Dissolved, mg/L	pH, none	Specific Conductivity, $\mu\text{S}/\text{cm}$
Hatch Drain @ Tuolumne Rd	E	08/19/08	10:30	1.4		1330
Hatch Drain @ Tuolumne Rd	E	08/26/08	19:50	1.1		1493
Hatch Drain @ Tuolumne Rd	E	08/28/08	10:40	1.31		1391
Hatch Drain @ Tuolumne Rd	E	09/23/08	10:10	1.69		1295
Hatch Drain @ Tuolumne Rd	E	10/02/08	11:50	2.14		1455
Highline Canal @ Hwy 99	MPM	05/07/08	11:50		8.69	
Highline Canal @ Hwy 99	MPM	06/03/08	11:10		8.61	
Highline Canal @ Hwy 99	E	08/19/08	16:00		9.24	
Highline Canal @ Hwy 99	MPM	09/09/08	14:00		8.73	
Highline Canal @ Lombardy Rd	MPM	07/08/08	14:40		8.56	
Highline Canal @ Lombardy Rd	E	08/19/08	14:10		8.65	
Hilmar Drain @ Central Ave	E	04/22/08	15:20			1482
Hilmar Drain @ Central Ave	MPM	04/29/08	9:40	4.48		809
Hilmar Drain @ Central Ave	E	05/20/08	13:30			963
Hilmar Drain @ Central Ave	E	06/17/08	13:10			1060
Hilmar Drain @ Central Ave	E	07/22/08	12:10			1074
Hilmar Drain @ Central Ave	E	08/19/08	12:30			1590
Hilmar Drain @ Central Ave	E	08/28/08	11:45	6.32		1172
Hilmar Drain @ Central Ave	E	09/23/08	12:40			943
Hilmar Drain @ Central Ave	E	09/30/08	18:10			733
Hilmar Drain @ Central Ave	E	10/02/08	13:00			1241
Hilmar Drain @ Mitchell Rd	MPM	07/22/08	13:00	6.93		995
Hilmar Drain @ Mitchell Rd	E	07/29/08	9:00	1.81		770
Livingston Drain @ Robin Ave	E	05/20/08	15:50		8.79	
Livingston Drain @ Robin Ave	E	05/27/08	18:30		8.68	
Livingston Drain @ Robin Ave	MPM	06/03/08	12:30		8.54	
Livingston Drain @ Robin Ave	E	06/17/08	15:30		8.97	
Livingston Drain @ Robin Ave	MPM	07/08/08	11:00		8.97	
Livingston Drain @ Robin Ave	E	08/28/08	13:00		8.67	
Livingston Drain @ Robin Ave	MPM	09/09/08	13:20		8.72	
Livingston Drain @ Robin Ave	E	09/23/08	15:20		9.02	
Merced River @ Santa Fe	E	04/22/08	11:20	6.06		
Miles Creek @ Reilly Rd	E	06/24/08	14:10	4.76		
Miles Creek @ Reilly Rd	E	07/29/08	15:20	5.34		
Miles Creek @ Reilly Rd	MPM	08/05/08	12:30	6.93		
Miles Creek @ Reilly Rd	E	08/26/08	13:00	5.86		
Miles Creek @ Reilly Rd	E	08/28/08	13:00	5.33		
Miles Creek @ Reilly Rd	E	09/30/08	13:50	6.34		
Prairie Flower Drain @ Crows Landing Rd	E	04/22/08	11:50			2548
Prairie Flower Drain @ Crows Landing Rd	E	04/29/08	9:10	5.44		1739
Prairie Flower Drain @ Crows Landing Rd	E	05/20/08	12:00			2526
Prairie Flower Drain @ Crows Landing Rd	E	05/27/08	18:40			2273
Prairie Flower Drain @ Crows Landing Rd	E	06/17/08	11:30			2049
Prairie Flower Drain @ Crows Landing Rd	E	07/22/08	10:40	2.51		1012
Prairie Flower Drain @ Crows Landing Rd	E	08/19/08	11:20	4.93		956
Prairie Flower Drain @ Crows Landing Rd	E	08/28/08	11:10			1114
Prairie Flower Drain @ Crows Landing Rd	E	09/23/08	11:00			2525
Prairie Flower Drain @ Crows Landing Rd	E	10/02/08	12:20			2449
Prairie Flower Drain at Morgan Road	MPM	04/22/08	12:50	3.29		2574
Prairie Flower Drain at Morgan Road	MPM	05/20/08	13:00	1.17		2026
Prairie Flower Drain at Morgan Road	MPM	06/17/08	12:30			2893

Station Name	Sample Type Code	Sample Date	Sample Time	Oxygen, Dissolved, mg/L	pH, none	Specific Conductivity, $\mu$ S/cm
Prairie Flower Drain at Morgan Road	MPM	07/22/08	11:30	2.76		1417
Prairie Flower Drain at Morgan Road	MPM	08/19/08	12:10	3.63		1300
Prairie Flower Drain at Morgan Road	MPM	09/23/08	11:50	3.3		2675
Reclamation Drain @ Williams Ave	MPM	07/22/08	13:10			1558
Silva Drain @ Meadow Dr	E	04/22/08	10:30	5.02		
Silva Drain @ Meadow Dr	E	05/20/08	11:00	0.7		
Silva Drain @ Meadow Dr	MPM	07/08/08	15:30	1.38		
Silva Drain @ Meadow Dr	E	07/22/08	11:00	2.1		
Silva Drain @ Meadow Dr	E	07/29/08	17:40	5.96		
Silva Drain @ Meadow Dr	MPM	08/05/08	10:20	3.37		
Silva Drain @ Meadow Dr	E	08/19/08	11:30	3.73		
Silva Drain @ Meadow Dr	E	08/28/08	16:40	3.32		
Silva Drain @ Meadow Dr	E	09/23/08	11:20	6.19		
Silva Drain @ Meadow Dr	E	10/02/08	15:00	6.11	8.51	
South Slough @ Quinley Rd	E	04/29/08	11:20	5.8		
Westport Drain @ Vivian Rd	E	04/22/08	8:20	4.44		1079
Westport Drain @ Vivian Rd	E	04/29/08	8:30	4.76		1106
Westport Drain @ Vivian Rd	E	05/20/08	8:50	6.95		1084
Westport Drain @ Vivian Rd	E	06/17/08	8:50	5.43		1107
Westport Drain @ Vivian Rd	E	07/22/08	9:00	5.02		1079
Westport Drain @ Vivian Rd	E	08/19/08	9:40	3.59		1088
Westport Drain @ Vivian Rd	E	08/28/08	9:50			1100
Westport Drain @ Vivian Rd	E	09/23/08	9:20			1097
Westport Drain @ Vivian Rd	E	10/02/08	11:20			1093
<b>Environmental Exceedances</b>				<b>66</b>	<b>11</b>	<b>42</b>
<b>Management Plan Monitoring Exceedances</b>				<b>20</b>	<b>7</b>	<b>10</b>
<b>Total</b>				<b>86</b>	<b>17</b>	<b>52</b>

E = Environmental sample; MPM = Management Plan Monitoring

**Table 30. Water column pesticides exceedances; sorted by station name and sample date.**

Station Name	Sample Type Code	Sample Date	Sample Time	Carbofuran, µg/L	Chlorpyrifos, µg/L	Cyanazine, µg/L	DDE(p,p'), µg/L	DDT(p,p'), µg/L	Dieldrin, µg/L	Dimethoate, µg/L	Diuron, µg/L	Malathion, µg/L	Parathion, methyl, µg/L	Thiobencarb, µg/L
Cottonwood Creek @ Rd 20	E	05/27/08	10:40			1.1								
Deadman Creek (Dutchman) @ Gurr Rd	E	04/29/08	12:50						0.028					
Deadman Creek @ Hwy 59	MPM	08/05/08	12:00		0.14									
Deadman Creek @ Hwy 59	MPM	09/09/08	11:20		0.069									
Dry Creek @ Wellsford Rd	E	07/22/08	8:40		0.03									
Dry Creek at Waterford	MPM	07/22/08	9:50		0.02									
Dry Creek at Waterford	MPM	08/19/08	9:50		0.023									
Duck Slough @ Gurr Rd	E	04/29/08	12:00	0.05										
Duck Slough @ Hwy 99	E	09/30/08	15:10		0.034									
Hatch Drain @ Tuolumne Rd	FD	04/22/08	9:30					0.023						
Highline Canal @ Hwy 99	E	07/22/08	15:00		0.021									
Highline Canal @ Lombardy Rd	FD	08/19/08	14:10		0.031							0.14	0.18	
Hilmar Drain @ Central Ave	MPM	04/29/08	9:40								3.4			
Hilmar Drain @ Central Ave	E	08/19/08	12:30				0.0056							
Livingston Drain @ Robin Ave	FD	06/17/08	15:30		0.23									
Livingston Drain @ Robin Ave	E	07/22/08	15:20		0.025									
Miles Creek @ Reilly Rd	E	07/29/08	15:20		0.021									
Miles Creek @ Reilly Rd	FD	07/29/08	15:20		*0.017									
Miles Creek @ Reilly Rd	E	08/26/08	13:00		0.042									
Prairie Flower Drain @ Crows Landing Rd	E	07/22/08	10:40							2.7				
Prairie Flower Drain @ Crows Landing Rd	E	08/19/08	11:20		0.024							0.12		
Silva Drain @ Meadow Dr	E	07/22/08	11:00		0.43									
Silva Drain @ Meadow Dr	FD	07/22/08	11:00		*0.41									
Silva Drain @ Meadow Dr	MPM	08/05/08	10:20		0.021									
Silva Drain @ Meadow Dr	E	08/19/08	11:30		0.023									
South Slough @ Quinley Rd	E	07/29/08	10:10		0.029									
Westport Drain @ Vivian Rd	E	07/22/08	9:00		0.016									
<b>Environmental Exceedances</b>				<b>1</b>	<b>13</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>
<b>Management Plan Monitoring Exceedances</b>				<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>				<b>1</b>	<b>18</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>

E = Environmental sample; FD = Field Duplicate; MPM = Management Plan Monitoring environmental sample.

\* Not counted in exceedance tallies due to exceedance in associated

**Table 31. Water column inorganics, physical parameters, metals, nutrients and bacteria exceedances in water column; sorted by station name and sample date.**

The hardness value is included in parenthesis for those metals exceedances that are based on hardness.

Station Name	Sample Type Code	Sample Date	Sample Time	Dissolved Solids, mg/L	E. coli, MPN/100mL	Ammonia as N, mg/L	Arsenic, µg/L	Copper, µg/L (hardness)	Lead, µg/L (hardness)	Nitrate as N, mg/L
Bear Creek @ Kibby Rd	E	06/24/08	16:50				17			
Bear Creek @ Kibby Rd	E	08/26/08	16:00					7.1 (20)		
Black Rascal Creek @ Yosemite Rd	E	04/29/08	17:20		770			8 (80)	2.4 (80)	
Black Rascal Creek @ Yosemite Rd	E	05/27/08	15:40		920					
Black Rascal Creek @ Yosemite Rd	E	06/24/08	15:30		490					
Black Rascal Creek @ Yosemite Rd	E	09/30/08	14:20						1.3 (32)	
Cottonwood Creek @ Rd 20	E	04/29/08	10:30		580			8 (70)		
Cottonwood Creek @ Rd 20	E	05/27/08	10:40		250					
Cottonwood Creek @ Rd 20	E	06/24/08	10:30		1300					
Cottonwood Creek @ Rd 20	E	07/29/08	11:10		1000					
Cottonwood Creek @ Rd 20	E	08/26/08	10:30		390			4.4 (34)		
Cottonwood Creek at Highway 145	MPM	06/24/08	9:30					39 (54)		
Deadman Creek (Dutchman) @ Gurr Rd	E	04/29/08	12:50		>2400		18			
Deadman Creek (Dutchman) @ Gurr Rd	E	05/27/08	12:30	520						
Deadman Creek (Dutchman) @ Gurr Rd	E	08/26/08	10:40		330					
Deadman Creek (Dutchman) @ Gurr Rd	FD	09/30/08	10:30		330					
Deadman Creek @ Hwy 59	E	04/29/08	13:50		610		16			
Deadman Creek @ Hwy 59	E	05/27/08	13:30		610		12			
Deadman Creek @ Hwy 59	E	06/24/08	12:00		310		17			
Deadman Creek @ Hwy 59	E	07/29/08	12:30		490					
Deadman Creek @ Hwy 59	E	08/26/08	11:40				11			
Deadman Creek @ Hwy 59	E	09/30/08	12:20				13			
Dry Creek @ Rd 18	FD	04/29/08	12:00					*6.9 (38)		
Dry Creek @ Rd 18	E	04/29/08	12:00					6.8 (26)		
Dry Creek @ Rd 18	E	05/27/08	12:30					5 (32)		
Dry Creek @ Rd 18	E	06/24/08	11:30					4 (22)		
Dry Creek @ Rd 18	E	07/29/08	15:30					5.9 (12)		
Dry Creek @ Rd 18	FD	08/26/08	12:30					*4.8 (12)	*0.3 (12)	
Dry Creek @ Rd 18	E	08/26/08	12:30					5.1 (10)	0.36 (10)	
Dry Creek @ Rd 28 1/2	MPM	07/29/08	13:00					5.3 (14)		
Dry Creek at Road 22	MPM	04/29/08	14:30					5.2 (26)		

Station Name	Sample Type Code	Sample Date	Sample Time	Dissolved Solids, mg/L	E. coli, MPN/100mL	Ammonia as N, mg/L	Arsenic, µg/L	Copper, µg/L (hardness)	Lead, µg/L (hardness)	Nitrate as N, mg/L
Dry Creek at Road 22	MPM	05/27/08	13:30					5.7 (38)		
Dry Creek at Road 22	MPM	06/24/08	13:30					6.5 (22)		
Dry Creek at Road 22	MPM	07/29/08	16:20					7 (20)		
Dry Creek at Road 22	MPM	08/26/08	11:30					6.5 (12)		
Dry Creek at Road 22	MPM	09/30/08	11:50					36 (86)		
Dry Creek @ Wellsford Rd	E	04/22/08	8:40		>2400					
Dry Creek @ Wellsford Rd	E	05/20/08	8:40		330					
Dry Creek @ Wellsford Rd	E	06/17/08	9:00		>2400					
Dry Creek @ Wellsford Rd	E	07/22/08	8:40		>2400					
Dry Creek @ Wellsford Rd	E	08/19/08	8:40		580					
Dry Creek @ Wellsford Rd	E	09/23/08	8:30		290					
Duck Slough @ Hwy 99	E	04/29/08	16:00		280					
Duck Slough @ Hwy 99	E	07/29/08	17:40					2.7 (22)	0.69 (22)	
Duck Slough @ Hwy 99	E	08/26/08	14:30						0.72 (30)	
Duck Slough @ Whealan Rd	MPM	06/24/08	14:20					73 (48)		
Duck Slough @ Whealan Rd	MPM	08/26/08	15:20					3.4 (16)		
Duck Slough @ Whealan Rd	MPM	09/30/08	15:20					3.7 (10)		
Hatch Drain @ Tuolumne Rd	FD	04/22/08	9:30	*830	*1100		*17			*20
Hatch Drain @ Tuolumne Rd	E	04/22/08	9:30	880	1300		17			20
Hatch Drain @ Tuolumne Rd	E	05/20/08	10:50	960	>2400		18			18
Hatch Drain @ Tuolumne Rd	E	06/17/08	10:10	930	390		17			18
Hatch Drain @ Tuolumne Rd	E	07/22/08	9:50	900	650		19			27
Hatch Drain @ Tuolumne Rd	E	08/19/08	10:30	900	1400		17			15
Hatch Drain @ Tuolumne Rd	E	09/23/08	10:10	920			15			17
Highline Canal @ Hwy 99	E	05/20/08	13:40		240					
Highline Canal @ Lombardy Rd	E	05/20/08	12:40		650					
Highline Canal @ Lombardy Rd	FD	08/19/08	14:10					3.3 (16)		
Highline Canal @ Lombardy Rd	E	08/19/08	14:10						0.27 (14)	
Hilmar Drain @ Central Ave	E	04/22/08	15:20	960	390					
Hilmar Drain @ Central Ave	E	05/20/08	13:30	680	440					20
Hilmar Drain @ Central Ave	E	06/17/08	13:10	650	1000					
Hilmar Drain @ Central Ave	E	07/22/08	12:10	710	270					21
Hilmar Drain @ Central Ave	E	08/19/08	12:30	1000						26
Hilmar Drain @ Central Ave	E	09/23/08	12:40	640						26
Hilmar Drain @ Central Ave	FD	09/23/08	12:40	*640						*26
Hilmar Drain @ Mitchell Rd	MPM	07/22/08	13:00							28
Livingston Drain @ Robin Ave	E	06/17/08	15:30					45 (150)		11

Station Name	Sample Type Code	Sample Date	Sample Time	Dissolved Solids, mg/L	E. coli, MPN/100mL	Ammonia as N, mg/L	Arsenic, µg/L	Copper, µg/L (hardness)	Lead, µg/L (hardness)	Nitrate as N, mg/L
Livingston Drain @ Robin Ave	FD	06/17/08	15:30							*11
Livingston Drain @ Robin Ave	MPM	07/08/08	11:00					110 (56)		
Livingston Drain @ Robin Ave	E	07/22/08	15:20		440			17 (200)		
Miles Creek @ Reilly Rd	E	05/27/08	14:20		>2400					
Miles Creek @ Reilly Rd	E	07/29/08	15:20					7.5 (44)	1.7 (44)	
Miles Creek @ Reilly Rd	FD	07/29/08	15:20		250			*7.9 (54)	*1.6 (54)	
Miles Creek @ Reilly Rd	E	08/26/08	13:00					7.5 (68)	2 (68)	
Prairie Flower Drain @ Crows Landing Rd	E	04/22/08	11:50	1700	370					23
Prairie Flower Drain @ Crows Landing Rd	E	05/20/08	12:00	1600	610					26
Prairie Flower Drain @ Crows Landing Rd	E	06/17/08	11:30	1200	1300	2.1				19
Prairie Flower Drain @ Crows Landing Rd	E	07/22/08	10:40	620	250					11
Prairie Flower Drain @ Crows Landing Rd	E	08/19/08	11:20	610	440					13
Prairie Flower Drain @ Crows Landing Rd	E	09/23/08	11:00	1800						33
Prairie Flower Drain at Morgan Road	MPM	04/22/08	12:50							35
Prairie Flower Drain at Morgan Road	MPM	05/20/08	13:00							22
Prairie Flower Drain at Morgan Road	MPM	06/17/08	12:30							30
Prairie Flower Drain at Morgan Road	MPM	08/19/08	12:10							20
Prairie Flower Drain at Morgan Road	MPM	09/23/08	11:50							29
Silva Drain @ Meadow Dr	E	04/22/08	10:30			4.1				
Silva Drain @ Meadow Dr	E	06/17/08	10:50		>2400	13		68 (340)		
Silva Drain @ Meadow Dr	E	07/22/08	11:00		410					
Silva Drain @ Meadow Dr	FD	07/22/08	11:00		*650					
Silva Drain @ Meadow Dr	E	08/19/08	11:30		1400			20 (70)	3 (70)	
Silva Drain @ Meadow Dr	E	09/23/08	11:20		310	3		15 (42)		
South Slough @ Quinley Rd	E	04/29/08	11:20		520					
South Slough @ Quinley Rd	E	06/24/08	9:20					4 (34)	0.85 (34)	
Westport Drain @ Vivian Rd	E	04/22/08	8:20	750	1000					23
Westport Drain @ Vivian Rd	E	05/20/08	8:50	720						23
Westport Drain @ Vivian Rd	FD	05/20/08	8:50	*710						*22
Westport Drain @ Vivian Rd	E	06/17/08	8:50	750	260					25
Westport Drain @ Vivian Rd	E	07/22/08	9:00	760	1000					25
Westport Drain @ Vivian Rd	E	08/19/08	9:40	760	290					25
Westport Drain @ Vivian Rd	E	09/23/08	9:20	750						27
<b>Environmental Exceedances</b>				<b>25</b>	<b>50</b>	<b>4</b>	<b>13</b>	<b>19</b>	<b>10</b>	<b>22</b>
<b>Management Plan Monitoring Exceedances</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>6</b>
<b>Total</b>				<b>25</b>	<b>50</b>	<b>4</b>	<b>13</b>	<b>31</b>	<b>10</b>	<b>28</b>

E = Environmental sample; FD = Field Duplicate; MPM = Management Plan Monitoring

\* Not counted in exceedance tallies due to exceedance in associated environmental sample.

**Table 32. Water column and sediment toxicity exceedances and results of TIE studies.**

Station Name	Sample Type Code	Sample Date	Sample Time	Species	Toxicity End Point	Mean	Percent Control	Toxicity Significance	Summary Comments
Bear Creek @ Kibby Rd	E	4/29/2008	16:20	<i>Selenastrum capricornutum</i>	Total Cell Count	42100	3.85	SL	Lab inadvertently tested for <i>Selenastrum</i> . TIE initiated on 5/13/08 and no toxicity was detected. Resampled on 5/7/08.
Bear Creek @ Kibby Rd	RS	5/7/2008	14:40	<i>Selenastrum capricornutum</i>	Total Cell Count	735734	21.0	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent.
Bear Creek @ Kibby Rd	E	8/28/2008	14:50	<i>Hyalella azteca</i>	Survival (%)	90	91	SG	Resampled on 10/2/08 and retested on 10/15/08.
Bear Creek @ Kibby Rd	RS	10/2/2008	13:50	<i>Hyalella azteca</i>	Survival (%)	88	91	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Black Rascal Creek @ Yosemite Rd	E	8/28/2008	14:20	<i>Hyalella azteca</i>	Survival (%)	62	63	SL	Resampled on 10/2/08 and retested on 10/15/08; toxicity was not persistent.
Cottonwood Creek @ Rd 20	E	4/29/2008	10:30	<i>Selenastrum capricornutum</i>	Total Cell Count	58382	5.12	SL	Lab inadvertently tested for <i>Selenastrum</i> . TIE initiated on 5/13/08 and toxicity caused by cationic chemicals and NPOs. Resampled on 5/7/08.
Cottonwood Creek @ Rd 20	RS	5/7/2008	18:10	<i>Selenastrum capricornutum</i>	Total Cell Count	130025	3.71	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent.
Deadman Creek @ Hwy 59	E	4/29/2008	13:50	<i>Selenastrum capricornutum</i>	Total Cell Count	810634	71.1	SL	Resampled on 5/7/08.
Deadman Creek @ Hwy 59	RS	5/7/2008	13:20	<i>Selenastrum capricornutum</i>	Total Cell Count	1487986	42.4	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent. No TIE conducted; sample inadvertently discarded.
Deadman Creek @ Hwy 59	E	8/28/2008	11:20	<i>Hyalella azteca</i>	Survival (%)	89	90	SG	Resampled on 10/2/08 and retested on 10/15/08; toxicity was not persistent.
Dry Creek @ Rd 18	E	8/28/2008	10:20	<i>Hyalella azteca</i>	Survival (%)	88	89	SG	Resample not taken on 10/2/08 - site dry.
Dry Creek @ Wellsford Rd	E	8/28/2008	8:30	<i>Hyalella azteca</i>	Survival (%)	71	73	SL	Resampled on 10/2/08 and retested on 10/15/08; toxicity was not persistent.
Duck Slough @ Gurr Rd	E	8/28/2008	12:20	<i>Hyalella azteca</i>	Survival (%)	62	63	SL	Resampled on 10/2/08 and retested on 10/15/08.
Duck Slough @ Gurr Rd	RS	10/2/2008	12:10	<i>Hyalella azteca</i>	Survival (%)	90	93	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Duck Slough @ Hwy 99	E	4/29/2008	16:00	<i>Selenastrum capricornutum</i>	Total Cell Count	937637	85.7	SG	Resampled on 5/7/08.
Duck Slough @ Hwy 99	RS	5/7/2008	16:10	<i>Selenastrum capricornutum</i>	Total Cell Count	182129	5.19	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent. No TIE conducted; sample inadvertently discarded.
Duck Slough @ Hwy 99	E	8/28/2008	13:40	<i>Hyalella azteca</i>	Survival (%)	84	86	SG	Resampled on 10/2/08 and retested on 10/15/08.

Station Name	Sample Type Code	Sample Date	Sample Time	Species	Toxicity End Point	Mean	Percent Control	Toxicity Significance	Summary Comments
Duck Slough @ Hwy 99	RS	10/2/2008	13:20	<i>Hyalella azteca</i>	Survival (%)	87	90	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	E	4/22/2008	9:30	<i>Selenastrum capricornutum</i>	Total Cell Count	800864	64.1	SL	Resampled on 04/29/08.
Hatch Drain @ Tuolumne Rd	FD	4/22/2008	9:30	<i>Selenastrum capricornutum</i>	Total Cell Count	686887	54.9	SL	FD RPD 15.3
Hatch Drain @ Tuolumne Rd	RS	4/29/2008	8:50	<i>Selenastrum capricornutum</i>	Total Cell Count	432880	47.1	SL	TIE initiated on 5/13/08 and cationic chemicals and NPOs caused toxicity. Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	E	5/20/2008	10:50	<i>Selenastrum capricornutum</i>	Total Cell Count	804121	59.5	SL	Resampled on 5/27/08; toxicity was not persistent.
Hatch Drain @ Tuolumne Rd	E	7/22/2008	9:50	<i>Selenastrum capricornutum</i>	Total Cell Count	439393	44	SL	A TIE was conducted on 07/29/08; no toxicity was detected and cause(s) of toxicity could not be determined. Resampled on 07/29/08.
Hatch Drain @ Tuolumne Rd	RS	7/29/2008	8:20	<i>Selenastrum capricornutum</i>	Total Cell Count	315646	52	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 07/22/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	E	8/19/2008	10:30	<i>Selenastrum capricornutum</i>	Total Cell Count	315646	43	SL	A TIE was conducted on 8/26/08; no toxicity was detected and cause(s) of toxicity could not be determined. Resampled on 8/26/08.
Hatch Drain @ Tuolumne Rd	RS	8/26/2008	19:50	<i>Selenastrum capricornutum</i>	Total Cell Count	403571	64	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 08/19/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	E	8/28/2008	10:40	<i>Hyalella azteca</i>	Survival (%)	0	0	SL	Resampled on 10/2/08 and retested on 10/15/08.
Hatch Drain @ Tuolumne Rd	RS	10/2/2008	11:50	<i>Hyalella azteca</i>	Survival (%)	5	5	SL	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Highline Canal @ Hwy 99	E	4/22/2008	13:10	<i>Selenastrum capricornutum</i>	Total Cell Count	791095	63.3	SL	Resampled on 04/29/08; toxicity was not persistent.
Highline Canal @ Hwy 99	E	5/20/2008	13:40	<i>Selenastrum capricornutum</i>	Total Cell Count	1022306	75.7	SL	Resampled on 5/27/08; toxicity was not persistent.
Highline Canal @ Hwy 99	E	8/28/2008	13:50	<i>Hyalella azteca</i>	Survival (%)	91	94	SG	Resampled on 10/2/08 and retested on 10/15/08.
Highline Canal @ Hwy 99	RS	10/2/2008	14:20	<i>Hyalella azteca</i>	Survival (%)	89	92	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Highline Canal @ Lombardy Rd	E	5/20/2008	12:40	<i>Selenastrum capricornutum</i>	Total Cell Count	719452	53.2	SL	Resampled on 5/27/08; toxicity was not persistent.
Highline Canal @ Lombardy Rd	E	8/28/2008	15:30	<i>Hyalella azteca</i>	Survival (%)	60	62	SL	Resampled on 10/2/08 and retested on 10/15/08.
Highline Canal @ Lombardy Rd	RS	10/2/2008	14:50	<i>Hyalella azteca</i>	Survival (%)	80	82	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.

Station Name	Sample Type Code	Sample Date	Sample Time	Species	Toxicity End Point	Mean	Percent Control	Toxicity Significance	Summary Comments
Hilmar Drain @ Central Ave	E	4/22/2008	15:20	<i>Selenastrum capricornutum</i>	Total Cell Count	559883	44.8	SL	TIE initiated on 5/10/08 and no toxicity was detected. Resampled on 4/29/08.
Hilmar Drain @ Central Ave	RS	4/29/2008	9:40	<i>Selenastrum capricornutum</i>	Total Cell Count	537088	58.5	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was persistent.
Hilmar Drain @ Central Ave	E	8/28/2008	11:45	<i>Hyalella azteca</i>	Survival (%)	0	0	SL	Resampled on 10/2/08 and retested on 10/15/08.
Hilmar Drain @ Central Ave	E	9/23/2008	12:40	<i>Selenastrum capricornutum</i>	Total Cell Count	266798	73	SL	Resampled on 9/30/08.
Hilmar Drain @ Central Ave	FD	9/23/2008	12:40	<i>Selenastrum capricornutum</i>	Total Cell Count	305876	83	SG	FD RPD 13.6.
Hilmar Drain @ Central Ave	RS	9/30/2008	18:10	<i>Selenastrum capricornutum</i>	Total Cell Count	325415	75	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 9/23/08; toxicity was persistent.
Hilmar Drain @ Central Ave	RS	10/2/2008	13:00	<i>Hyalella azteca</i>	Survival (%)	0	0	SL	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Hilmar Drain @ Mitchell Rd	MPM	7/22/2008	13:00	<i>Selenastrum capricornutum</i>	Total Cell Count	651065	70	SL	Resampled on 07/29/08.
Hilmar Drain @ Mitchell Rd	RS	7/29/2008	9:00	<i>Selenastrum capricornutum</i>	Total Cell Count	136538	22	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 07/22/08; toxicity was persistent. A TIE was conducted on 08/05/08; no toxicity was detected and cause(s) of toxicity could not be determined.
Livingston Drain @ Robin Ave	E	4/22/2008	14:00	<i>Selenastrum capricornutum</i>	Total Cell Count	729221	58.3	SL	Resampled on 04/29/08.
Livingston Drain @ Robin Ave	RS	4/29/2008	10:30	<i>Selenastrum capricornutum</i>	Total Cell Count	579422	63.1	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was persistent.
Livingston Drain @ Robin Ave	E	5/20/2008	15:50	<i>Selenastrum capricornutum</i>	Total Cell Count	839942	62.2	SL	Resampled on 5/27/08; toxicity was not persistent.
Miles Creek @ Reilly Rd	E	4/29/2008	14:40	<i>Selenastrum capricornutum</i>	Total Cell Count	273311	25.0	SL	TIE initiated on 5/13/08 and toxicity caused by cationic chemicals and NPOs. Resampled on 5/7/08.
Miles Creek @ Reilly Rd	RS	5/7/2008	13:40	<i>Selenastrum capricornutum</i>	Total Cell Count	1771301	50.5	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent.
Miles Creek @ Reilly Rd	E	8/28/2008	13:00	<i>Hyalella azteca</i>	Survival (%)	94	95	SG	Resampled on 10/2/08 and retested on 10/15/08.
Miles Creek @ Reilly Rd	FD	8/28/2008	13:00	<i>Hyalella azteca</i>	Survival (%)	90	91	SG	FD RPD 3.24.
Miles Creek @ Reilly Rd	RS	10/2/2008	13:00	<i>Hyalella azteca</i>	Survival (%)	88	91	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent. One survival replicate result was a statistical outlier using Grubbs (1969) analysis, and therefore excluded.

Station Name	Sample Type Code	Sample Date	Sample Time	Species	Toxicity End Point	Mean	Percent Control	Toxicity Significance	Summary Comments
Prairie Flower Drain @ Crows Landing Rd	E	4/22/2008	11:50	<i>Selenastrum capricornutum</i>	Total Cell Count	403571	28.8	SL	TIE initiated on 5/10/08 and toxicity caused by cationic chemicals and non-polar organics. Resampled on 4/29/08.
Prairie Flower Drain @ Crows Landing Rd	RS	4/29/2008	9:10	<i>Selenastrum capricornutum</i>	Total Cell Count	517549	56.4	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was persistent.
Prairie Flower Drain @ Crows Landing Rd	E	5/20/2008	12:00	<i>Selenastrum capricornutum</i>	Total Cell Count	771556	60.6	SL	Resampled on 5/27/08.
Prairie Flower Drain @ Crows Landing Rd	RS	5/27/2008	18:40	<i>Selenastrum capricornutum</i>	Total Cell Count	2155568	87.7	SG	Resampling event due to <i>S. capricornutum</i> toxicity on 05/20/08; toxicity was persistent.
Prairie Flower Drain @ Crows Landing Rd	E	8/28/2008	11:10	<i>Hyalella azteca</i>	Survival (%)	87	90	SG	Resampled on 10/2/08 and retested on 10/15/08.
Prairie Flower Drain @ Crows Landing Rd	RS	10/2/2008	12:20	<i>Hyalella azteca</i>	Survival (%)	83	86	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Silva Drain @ Meadow Dr	E	6/17/2008	10:50	<i>Pimephales promelas</i>	Survival (%)	80	82	SG	Resampled on 6/24/08; toxicity was not persistent.
Silva Drain @ Meadow Dr	FD	7/22/2008	11:00	<i>Ceriodaphnia dubia</i>	Survival (%)	0	0	SL	FD RPD 0.
Silva Drain @ Meadow Dr	E	7/22/2008	11:00	<i>Ceriodaphnia dubia</i>	Survival (%)	0	0	SL	A TIE was conducted on 07/24/08 and it was concluded OP insecticides was the cause of toxicity. Resampled on 07/29/08.
Silva Drain @ Meadow Dr	RS	7/29/2008	8:40	<i>Ceriodaphnia dubia</i>	Survival (%)	20	20	SL	Resampling event due to <i>C. dubia</i> toxicity on 07/22/08; toxicity was persistent.
Silva Drain @ Meadow Dr	E	8/28/2008	16:40	<i>Hyalella azteca</i>	Survival (%)	82	85	SG	Resampled on 10/2/08 and retested on 10/15/08.
Silva Drain @ Meadow Dr	RS	10/2/2008	15:00	<i>Hyalella azteca</i>	Survival (%)	88	91	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
South Slough @ Quinley Rd	E	4/29/2008	11:20	<i>Selenastrum capricornutum</i>	Total Cell Count	19304	1.76	SL	TIE initiated on 5/13/08 and toxicity caused by cationic chemicals and NPOs. Not resampled on 5/7/08 since site was dry.
Westport Drain @ Vivian Rd	E	4/22/2008	8:20	<i>Selenastrum capricornutum</i>	Total Cell Count	813890	58.0	SL	Resampled on 04/29/08; toxicity was not persistent.
Westport Drain @ Vivian Rd	FD	8/28/2008	9:50	<i>Hyalella azteca</i>	Survival (%)	91	94	SG	FD RPD 0; Resampled on 10/2/08 and retested on 10/15/08; toxicity was not persistent.

E = Environmental sample; FD = Field Duplicate; RS = Resample

## Interpretation of Results

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Monitoring of ambient waters is conducted by the Coalition for the purpose of characterizing agricultural discharges in the Coalition area. Over the long term, monitoring data provide insight on general trends in water quality at each of the sample sites. To understand the source of exceedances, the Coalition can perform any of the following:

1. An analysis of associated toxicity data (for chemistry exceedances) to prioritize the search for biologically relevant chemical exceedances, or the evaluation of chemistry data (for toxicity exceedances) to determine possible sources of toxicity
2. An analysis of relevant Toxicity Identification Evaluation (TIE) results to determine possible causes of toxicity in sample water including constituents for which the Coalition does not test
3. The use of PURs to identify relevant applications that occurred upstream of the sample site prior to the sampling event
4. An analysis of monitoring data to determine the potential mechanism associated with exceedances of physical and field parameters such as DO, pH, and TDS
5. Special studies where appropriate and cost-effective, to determine the sources of constituents such as *E. coli* or the potential causes of exceedances such as low DO
6. Additional sampling as listed in the ESJWQC Management Plan submitted September 30, 2008

These actions were implemented on a case by case basis over the course of the 2008 irrigation monitoring season. All PUR data for exceedances that occurred during the 2008 irrigation season can be found in Appendix IV.

Both normal monitoring (NM) and Management Plan Monitoring (MPM) exceedances of WQTLs from the 2008 irrigation season are discussed in this section. All site subwatersheds are listed alphabetically and include a site subwatershed table of exceedances under the subsection, *Site Subwatershed Analysis*. A summary of the constituents analyzed for NM (Table 6) and MPM (Table 7) is provided in the Monitoring and Analysis section of this document. All monitoring results can be found in Appendix I. A full analysis of MPM results will be included in the ESJWQC Management Plan update to be submitted on April 1, 2009 for priority site subwatersheds. The Management Plan update will also review any new site/constituent requiring a management plan due to exceedances that have occurred in 2008. A general discussion of exceedances of pH, DO, SC/TDS, nutrients, ammonia, *E. coli*, arsenic and lead are provided at the end of this section.

## Site Subwatershed Analyses

### Ash Slough @ Ave 21

Ash Slough @ Ave 21 was dry during all six irrigation sampling events.

### Bear Creek @ Kibby Rd

**Table 33. Bear Creek @ Kibby Rd sample site - 2008 irrigation season exceedances.**

Site Name	Sample Date	Sample Type	<i>Hyalella azteca</i> , Survival: % of Control	<i>Selenastrum capricornutum</i> , Growth: % of Control	Arsenic, µg/L	Copper*, µg/L
Bear Creek @ Kibby Rd	4/29/2008	NM		4		
Bear Creek @ Kibby Rd	5/7/2008	RS		21		
Bear Creek @ Kibby Rd	6/24/2008	NM			17	
Bear Creek @ Kibby Rd	8/26/2008	NM				7.1 (2.4)
Bear Creek @ Kibby Rd	8/28/2008	Sediment	91			
Bear Creek @ Kibby Rd	10/2/2008	RS	91			

NM – normal monitoring; RS – Resample; Sediment – Sediment monitoring

\*WQTL based on hardness and shown in parenthesis

Toxicity to *Selenastrum* occurred in samples collected during the first irrigation monitoring event on April 29, 2008 (Table 33). Resampling occurred one week later (May 7, 2008) and samples were again toxic to *Selenastrum*. This is the first time that samples from Bear Creek have been toxic to algae since monitoring began in 2004. A TIE was conducted on the original sample (collected on April 29), however toxicity did not persist through the treatments and the cause of toxicity could not be determined. Copper was detected in the sample water during the same event at a concentration below the WQTL (1.1 µg/L) indicating that this amount is unlikely to account for the toxicity to algae. There were no other detections of any pesticides at this site during this event. It is possible that a constituent that was not analyzed for in the water chemistry samples was the cause of toxicity. PUR data show 73 pesticide applications in the site subwatershed that may be relevant to the toxicity. The active ingredients in these applications include 2,4-D dimethylamine salt, amino ethoxy vinyl glycine hydrochloride, copper hydroxide, copper oxide (ous), copper sulfate (basic), diuron, glufosinate-ammonium, glyphosate (various products), midacloprid, MCPA dimethylamine salt, MSMA, nicosulfuron, oxyfluorfen, rimsulfuron, sethoxydim and simazine. Of these, copper, diuron, glyphosate and simazine are analyzed for by the Coalition. Only copper was detected in the chemistry analysis. *Selenastrum* toxicity occurred for the first time at the Bear Creek @ Kibby Rd site and therefore does not require a Management Plan. Bear Creek @ Kibby Rd is currently under a Management Plan for chlorpyrifos and *Ceriodaphnia dubia* toxicity. Management practices implemented to

reduce exceedances of these constituents (i.e. holding basins, retention ponds, filter strips) will most likely reduce incidences of algae toxicity as well.

Sediment toxicity to *Hyalella azteca* occurred in samples collected on August 28, 2008 (91% survival relative to the control, Table 33). Samples with an average survival above 80% but statistically different from the control are considered toxic but not ecologically relevant. This sediment toxicity was a first-time exceedance at this site and therefore has not been addressed in the Coalition Management Plan. Sediment samples do not undergo chemical analysis or TIE treatments, and the cause of toxicity in the sediment is uncertain. In the water column, samples collected two days prior to sediment sampling resulted in one exceedance of copper (7.1 µg/L). Due to the tendency of copper to bind to sediment (the  $K_{oc}$  for copper sulfide pentahydrate is 16720, however other copper compounds do not have known  $K_{oc}$  values), the exceedance level detection of copper in the water column may be an indication of elevated levels of copper in the sediment at that site. There were no other pesticide or metal exceedances in water samples during the month of August. PUR data show no applications of copper within three months of the sediment toxicity event. There were 129 pesticide applications containing active ingredients other than copper that may be relevant to the *Hyalella* toxicity. These active ingredients include lambda-cyhalothrin, (s)-cypermethrin, permethrin, bifenthrin, cyfluthrin, fenpropathrin, esfenvalerate, propargite, indoxacarb, abamectin, spiromesifen, chlorpyrifos, glyphosate, paraquat dichloride, ethephon and pyraclostrobin. As mentioned above, *Hyalella* toxicity has not yet been addressed in the Coalition Management Plan. If samples from this site test toxic to *Hyalella* again, then the exceedances will be included in an updated management plan.

One exceedance of the copper WQTL occurred at Bear Creek in a sample collected on August 26, 2008 (Table 33). Previous exceedances of copper at this site occurred in samples collected during both storm monitoring events of 2008 on January 24 (8.6 µg/L) and February 25, 2008 (7.2 µg/L) and also during one of the storm monitoring events from the previous year on February 12, 2007 (12 µg/L). There were no applications of copper within three months of the exceedance date in the site subwatershed. Copper applications only occurred between the months of February and April in 2008. As a result of the 2008 storm and irrigation season exceedances, copper will be included as a Management Plan constituent for Bear Creek in the Management Plan update.

One exceedance of the arsenic WQTL occurred in samples collected during the June 24, 2008 sampling event (Table 33). Samples from this site have been tested for metals since the irrigation season of 2006 and this was the first detection of arsenic above the WQTL (10 µg/L). There were no other exceedances of metals during this event. However, most of the metals tested were detected at higher concentrations than during any other event of that season. Boron was detected at 40 µg/L, compared to an average detection of 7.3 µg/L in samples from the other irrigation events. Copper was detected at approximately twice the concentration of other events (at 3 µg/L). These results indicate that metals were remobilized from a reservoir in the creek, such as contaminated sediment, resulting in elevated concentrations in the water column. Prior to this event, arsenic had not been detected above 3.4 µg/L. Arsenic is not currently applied by agriculture in the Coalition region. Refer to the explanation provided below, under *Constituent Specific Analyses/Special Studies*, for details on the historical use of

arsenic in agriculture. At this point the source of arsenic in the Bear Creek site subwatershed is unclear although it is likely that the native soils in the creek contain arsenic.

### Berenda Slough along Ave 18 ½

**Table 34. Berenda Slough along Avenue 18 ½ and Berenda Slough @ Rd 19 (upstream) sample sites - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L
Berenda Slough @ Rd 19	7/29/2008	MPM	1.10

MPM – Management Plan monitoring

The Berenda Slough along Ave 18 ½ sample site was dry during every sampling event of the irrigation season. Current Management Plan constituents for Berenda Slough include chlorpyrifos, *Selenastrum* toxicity, dissolved oxygen, and *E. coli*. The upstream MPM site, Berenda Slough @ Rd 19, contained water during two of three MPM sampling events. Samples were collected from the MPM site on May 27, 2008 for analysis of chlorpyrifos and water column toxicity to *Selenastrum capricornutum*, and on July 29, 2008 for water column toxicity to *Selenastrum*. Field parameters were also measured during each sampling event. The only exceedance at this site was of the dissolved oxygen (DO) WQTL which occurred during the July 29, 2008 MPM sampling event (Table 34). Exceedances of the DO WQTL have occurred at the Berenda Slough site during previous monitoring events, all during irrigation months. Two exceedances occurred during the 2006 irrigation season in June and July, and six exceedances occurred during the irrigation season of 2007 in all months between May and August. DO is a Management Plan constituent for the Berenda Slough site subwatershed. Possible sources of DO in Coalition surface waters are discussed further below, under *Constituent Specific Analyses/Special Studies*.

### Black Rascal Creek @ Yosemite Rd

**Table 35. Black Rascal Creek @ Yosemite Rd sample site - 2008 Irrigation season exceedances.**

Sample Site	Sample Date	Sample Type	DO, mg/L	pH	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Copper*, µg/L	Lead*, µg/L
Black Rascal Creek @ Yosemite Rd	4/29/2008	NM		8.75		770	8 (7.7)	2.4 (2.39)
Black Rascal Creek @ Yosemite Rd	5/27/2008	NM				920		
Black Rascal Creek @ Yosemite Rd	6/24/2008	NM				490		
Black Rascal Creek @ Yosemite Rd	7/8/2008	MPM	2.3					

Sample Site	Sample Date	Sample Type	DO, mg/L	pH	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Copper*, µg/L	Lead*, µg/L
Black Rascal Creek @ Yosemite Rd	7/29/2008	NM	4.49					
Black Rascal Creek @ Yosemite Rd	8/5/2008	MPM	5.58					
Black Rascal Creek @ Yosemite Rd	8/26/2008	NM	2.58					
Black Rascal Creek @ Yosemite Rd	8/28/2008	Sediment	2.26		63			
Black Rascal Creek @ Yosemite Rd	9/9/2008	MPM	4.18					
Black Rascal Creek @ Yosemite Rd	9/30/2008	NM	3.75	5.02				1.3 (0.75)
Black Rascal Creek @ Yosemite Rd	10/2/2008	Sediment RS	5.05					

NM – normal monitoring; MPM – Management Plan monitoring; Sediment – Sediment monitoring; RS – Resample

\*WQTL based on hardness and shown in parenthesis

Sediment toxicity to *Hyalella azteca* occurred in samples collected on August 28, 2008 (63% survival as compared to the control, Table 35). This was the first sediment toxicity to occur at this site and does not require a management plan. Sediment samples do not undergo chemical analysis or toxicity identification evaluations; therefore the cause of toxicity in the sediment is uncertain. In the water column, there were no exceedance level detections of any pesticides or metals during the same month of sampling. Four months prior to sediment sampling (April 29, 2008), one exceedance each of the copper and lead WQTLs occurred at this site (Table 35). No other pesticides or metals exceedances occurred at this site during the irrigation season. Low level concentrations of metals, however, were found at this site during every monitoring event of this irrigation season as well as during previous sampling seasons. The concentrations of metals detected in the water column during these events are not sufficient to have a toxic effect on *Hyalella*. For example, the highest concentration of copper, 14 µg/L, occurred in water samples collected on May 17, 2008 (the WQTL based on the 290 mg/L hardness for that sample was 23 µg/L). The average LC<sub>50</sub> of copper for *Hyalella* is 33.7 µg/L (Pesticide Action Network Database). There were also four detections of pesticides at concentrations below WQTLs. In samples collected on April 29, 2008, chlorpyrifos was detected at a concentration of 0.0078 µg/L. In samples collected on May 27, 2008, paraquat was detected at 0.61 µg/L, cyanazine at 0.96 µg/L and simazine at 0.68 µg/L. The source of sediment toxicity in the creek is unknown. PUR data show 53 pesticide applications that may be relevant to the *Hyalella* toxicity. The active ingredients in these applications include lambda-cyhalothrin, permethrin, bifenthrin, esfenvalerate, (s)-cypermethrin, cyfluthrin, abamectin, glyphosate, and propargite. If additional sediment toxicity is detected in future sampling events, then the toxicity will be addressed in a management plan for this site subwatershed.

Exceedances of the lead WQTL occurred during the first and sixth irrigation sampling events on April 29 and September 30, 2008 (Table 35). One exceedance of the copper WQTL also occurred during the April 29, 2008 sampling event. These exceedances were the first to occur for copper and lead at this site. During both of these events, low concentrations (below the WQTLs) of all other metals tested were also measured at this site. Neither of these metals has been addressed in a Management Plan. Metals in a water body have a tendency to bind to

sediment and do not degrade. As a result, metals can accumulate in a stream bed over time from natural or anthropogenic sources. Copper enter surface waters as a result of weathering of rocks and soils that contain metals or from runoff due to agricultural applications. PUR data indicate that the use of copper-containing products was limited to four applications during the entire 2008 irrigation season. Eight hundred pounds of product containing copper hydroxide were applied across 100 acres of walnut orchards between mid-March and early April. Without knowing how much of the total copper detected was dissolved, it is difficult to determine if the source of this exceedance was due to copper applications or copper bound to sediment in the water column. Lead predominately resides in the sediments and could have become mobilized in the water during the sampling event as a result of disturbance of the stream bed. Currently, there are no pesticides applied that contain lead. Possible sources of lead in the Coalition region are discussed in more detail below under *Constituent Specific Analyses/Special Studies*.

Three exceedances of *E. coli* were detected during the first three monitoring events at Black Rascal Creek (Table 34). Exceedances of the *E. coli* WQTL have occurred most frequently and at the highest levels during the storm runoff seasons. For example, during 2008 storm monitoring, *E. coli* was measured during both events above the maximum detection limit (>2400 MPN/100mL). The 2007 monitoring results are similar, with *E. coli* levels at or above the maximum detection limit during both storm events and ranging between 84 and 770 MPN/100mL during the irrigation season events. Upstream of the sample site, land use includes dairies and pasture (comprising approximately half of the upstream site subwatershed), and discharge running off of these lands during the storm season may contain bacteria from dairy or animal waste. Other sources of *E. coli* at the site are described further under *Constituent Specific Analyses/Special Studies*, below. *E. coli* is a priority E constituent in the management plan for Black Rascal Creek @ Yosemite Rd.

Dissolved oxygen was detected below the minimum WQTL of 7 at the Black Rascal Creek sample site during July, August, September and October (Table 35). The environmental factors that contribute to low concentrations of DO in a water body were investigated by the Coalition and results from this special evaluation are provided under *Constituent Specific Analyses/Special Studies*. DO is currently addressed in the Black Rascal Creek site subwatershed management plan.

Two pH exceedances occurred during the first and sixth irrigation season monitoring events (Table 35). The first exceedance, measured on April 29, 2008, was the first pH exceedance to occur at this site and was addressed in a Communication Report submitted on July 3, 2008. This exceedance was measured above the upper WQTL, whereas the exceedance detected on September 30, 2008 was below the lower pH limit. pH can vary diurnally with photosynthetic rates and changes in the concentration of CO<sub>2</sub> and O<sub>2</sub> in the water, and it is difficult to determine the relative role of the various factors influencing pH fluctuations. Further explanation of pH dynamics in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. As a result of the two 2008 irrigation season exceedances, pH will be addressed in the updated Site Subwatershed Management Plan (April 1, 2009).

## Cottonwood Creek @ Rd 20

**Table 36. Cottonwood Creek @ Rd 20 and Cottonwood Creek @ Hwy 145 (upstream) sites - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>E. coli</i> , MPN/100 ml	Copper*, µg/L	Cyanazine, µg/L
Cottonwood Creek @ Rd 20	4/29/2008	NM		5	580	8 (6.9)	
Cottonwood Creek @ Rd 20	5/7/2008	RS		4			
Cottonwood Creek @ Rd 20	5/27/2008	NM			250		1.1
Cottonwood Creek @ Hwy 145	6/24/2008	MPM				39 (5.5)	
Cottonwood Creek @ Rd 20	6/24/2008	NM			1300		
Cottonwood Creek @ Rd 20	7/29/2008	NM			1000		
Cottonwood Creek @ Hwy 145	8/26/2008	MPM	6.45				
Cottonwood Creek @ Rd 20	8/26/2008	NM	6.83		390	4.4 (3.7)	

NM – normal monitoring; MPM – Management Plan monitoring; RS – Resample

\*WQTL based on hardness and shown in parenthesis

Water column toxicity to *Selenastrum capricornutum* (5% survival as compared to the control) occurred for the first time at Cottonwood Creek in samples collected on April 29, 2008 (Table 36). Resampling one week later again resulted in toxicity, indicating that the source of toxicity at this site was persistent. A TIE was conducted for this sample and results from the evaluation indicated that the source(s) of toxicity were non-polar organic and cationic compound(s). Low concentrations (below the WQTL) of diuron (0.63 µg/L) and simazine (0.11 µg/L) were detected in water samples from this event. Metals detected in the sample water were arsenic (2 µg/L), boron (32 µg/L), copper (8 µg/L), lead (0.82 µg/L), nickel (1.7 µg/L), selenium (0.3 µg/L) and zinc (10 µg/L). The Phase III TIE analysis indicated that diuron and zinc were present at toxic concentrations (diuron = 0.3 TUC and total metals = 1.5 TUC, Appendix VI). It is possible that additive effects of metals and pesticides in the creek caused *Selenastrum* toxicity at this site. PUR data include 280 applications that may be relevant to the *Selenastrum* toxicity. The active ingredients in these applications include 1,3-dichloropropene, 2,4-D, dimethylamine salt, copper, copper hydroxide, copper oxide(ous), diuron, flumioxazin, glufosinate-ammonium, glyphosate, imidacloprid, oryzalin, oxyfluorfen, paraquat dichloride, pendimethalin, pyraflufen-ethyl and simazine. *Selenastrum* toxicity has not been addressed in a management plan for this site (the second exceedance on May 7, 2008 is due to a resample and is considered part of the same event of the first exceedance). If another exceedance occurs, the Cottonwood Creek Site Subwatershed Management Plan will be updated to include *Selenastrum* toxicity.

Exceedances of the copper WQTL occurred during the first and fifth irrigation monitoring events at the normal monitoring site, Cottonwood Creek @ Rd 20. Copper is a management plan constituent for Cottonwood Creek and due to exceedances during the first year of

Management Plan monitoring, the Coalition sampled upstream at Cottonwood Creek @ Hwy 45 during the 2008 irrigation season. Upstream Management Plan monitoring occurred at Cottonwood Creek @ Hwy 145 during the third irrigation event and exceedance levels of copper were detected (39 µg/L, Table 36). Between March 26 and April 26, there were 139 applications of copper hydroxide in the site subwatershed, all for pest control on wine and table grapes. Within three months prior to the August 26 exceedance, copper sulfate was applied across 700 acres of raisin grapes, almonds and pistachios. PUR data for the upstream site subwatershed include 22 applications of copper hydroxide between April 1 and 17, predominantly on wine grapes, and 21 applications of copper sulfate between June 3 and 9 on raisin grapes. PUR data will be reviewed on a parcel level in the ESJWQC Management Plan update to more specifically identify possible agricultural sources of copper. Exceedances of the copper WQTL and follow up actions to address the exceedances are described further in the Coalition Management Plan, submitted September 30, 2008 which will be updated on April 1, 2009.

One exceedance of cyanazine was detected during the May 27, 2008 sampling event for the first time at this site (1.1 µg/L, Table 36). Cyanazine is a triazine herbicide that is not currently registered for agricultural use. Due to the pesticide's long hydrolysis half-life (3,680 days according to the Pesticide Action Network Database), it is possible that the detection was a result of applications in the past. Cyanazine was classified as a Restricted Use Pesticide between 1995 and 2002 and during that time production of the herbicide was phased out. The sale and use of cyanazine stocks were prohibited after September 30, 2002. PUR data indicate that the last application of cyanazine within the Cottonwood Creek site subwatershed was in July of 1995. Approximately 32 lbs of active ingredient were applied across 40 acres of corn crops on July 18 and 19, 1995. With over ten years between the last application and the detection in the water column, it is unlikely that this application is the source of the exceedance.

Exceedances of the *E. coli* WQTL occurred in all normal monitoring samples from Cottonwood Creek during the irrigation season ranging from 250 – 1300 MPN/100 mL with the highest values occurring in June and July (Table 36). Samples collected during the first 2008 storm monitoring event also resulted in an exceedance (1200 MPN/100mL) however there were no exceedances of the *E. coli* WQTL at this site in 2007. Prior to 2008, the last irrigation season *E. coli* exceedance occurred on August 16, 2005. Possible sources of *E. coli* in Coalition water bodies are described below under *Constituent Specific Analyses/Special Studies*. Land use within the Cottonwood Creek site subwatershed is predominantly vineyards and orchards. Some land is also allocated for dairies and pasture, and runoff from these parcels may be contributing to elevated levels of *E. coli* at the sample site. *E. coli* is a priority E constituent in the management plan for Cottonwood Creek @ Rd 20.

Exceedances of the DO WQTL occurred at both the normal monitoring and the upstream Management Plan sites on August 26, 2008 (6.45 and 6.83 mg/L, Table 36). DO exceedances are common in the Coalition region, particularly during the warmer summer months. Low DO occurred at the Cottonwood Creek site during numerous events since the irrigation season of 2005, when monitoring began at this site. A further discussion of parameters that may affect

DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO is a priority E constituent in the management plan for Cottonwood Creek @ Rd 20.

### Deadman Creek @ Gurr Rd

**Table 37. Deadman Creek @ Gurr Rd sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	SC, µS/cm	E. coli, MPN/100 ml	TDS, mg/L	Arsenic, µg/L	Dieldrin, µg/L
Deadman Creek @ Gurr Rd	4/29/2008	NM			>2400		18	0.028
Deadman Creek @ Gurr Rd	5/27/2008	NM		801		520		
Deadman Creek @ Gurr Rd	6/24/2008	NM	4.85					
Deadman Creek @ Gurr Rd	7/29/2008	NM	6.87					
Deadman Creek @ Gurr Rd	8/26/2008	NM	5.21		330			
Deadman Creek @ Gurr Rd	8/28/2008	Sediment	5.9					
Deadman Creek @ Gurr Rd	9/30/2008	NM	5.46					
Deadman Creek @ Gurr Rd	9/30/2008	FD			330			

NM – normal monitoring; Sediment – Sediment monitoring; FD – Field Duplicate sample

Dieldrin was detected at a concentration of 0.028 µg/L in the sample from Deadman Creek @ Gurr Rd during the April 29, 2008 monitoring event. This concentration is above the drinking water criteria of 0.00014 µg/L but below the Sacramento/San Joaquin Basin Plan objective of 0.056 µg/L (Table 37). Dieldrin is an organochlorine insecticide that is not currently registered for agricultural use. Dieldrin was widely used in the past to control insects on cotton, corn and citrus crops, however it was banned from agricultural use in 1974. The insecticide was also used to control locusts and mosquitoes, as a wood preserve, and for termite control. All products containing dieldrin were banned from use in 1987. Dieldrin is a persistent, bioaccumulative pollutant. Dieldrin does not undergo hydrolysis once introduced to water, but photolysis will slowly degrade the chemical. Dieldrin also has a very long half-life in soils (up to 7 years) and as a result, it is possible that the detection in the creek is a legacy of past use. There was no toxicity detected in samples collected at the same time as this exceedance.

One exceedance of arsenic was detected in samples collected during the April 29, 2008 sampling event (Table 37). Prior exceedances of arsenic occurred during both storm sampling events in 2007 and 2008 at this site. Arsenic detected in water samples on April 29, 2008 is likely from the same source as the arsenic exceedances from the two prior months of storm sampling. It is possible that storm runoff from the upstream site subwatershed is introducing elevated levels of arsenic to surface waters, which persist into the early irrigation season. The source of arsenic in the Deadman Creek site subwatershed is uncertain. Arsenic was used by agriculture in the past for broadleaf weed control and as a cotton defoliant. Currently there is limited use of arsenic in California and it is not applied by agriculture anywhere in the Coalition region. Further explanation of plausible sources of arsenic in the Coalition region is provided

below under *Constituent Specific Analyses/Special Studies*. Arsenic is a priority E constituent in the management plan for Deadman Creek @ Gurr Rd.

Detections of *E. coli* above the WQTL occurred in April, August and September (field duplicate sample only) normal monitoring events (Table 37). *E. coli* exceedances have occurred at this site since monitoring began in 2004 and do not appear to be related to a particular season or month. Possible sources of *E. coli* in the creek include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. Though dairies are not abundant in the Deadman Creek site subwatershed, some land upstream of the sampling site is used for dairies and pasture. It is unknown if agriculture in the area applies manure or biosolids as fertilizer on crops. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* is a priority E constituent in the management plan for Deadman Creek @ Gurr Rd.

Exceedances of the DO WQTL occurred during the last four irrigation monitoring events at this site (Table 37). DO exceedances are common in the Coalition region, particularly during the warmer summer months. DO concentrations below the WQTL in the Deadman Creek @ Gurr Rd site have occurred during irrigation events since 2004. DO at this site was not below the WQTL of 7 mg/L during any storm monitoring event. A discussion of parameters that may affect DO concentration in surface waters is provided at the end of this section, under *Constituent Specific Analyses/Special Studies*. Exceedances from the 2008 irrigation season will be addressed further in the updated Coalition Management Plan.

Exceedances of the total dissolved solids (TDS) and specific conductivity (SC) WQTLs were detected for the first time in samples collected on May 27, 2008 (Table 37). TDS describes all solids (usually mineral salts) that are dissolved in water and are frequently associated with exceedances of SC. Potential sources of TDS and SC are minerals leached from soils by upstream surface water and ground water, or drain water from irrigated agriculture. These sources are described further below under *Constituent Specific Analyses/Special Studies*. The shallow ground water appears to be the cause of elevated salinity in many ESJWQC water bodies close to the San Joaquin River. It is unknown if shallow ground water is the cause of the elevated TDS and SC detected at Deadman Creek @ Gurr Rd. If additional SC or TDS exceedances occur at this site, then these constituents will be address in the Site Subwatershed Management Plan.

## Deadman Creek @ Hwy 59

**Table 38. Deadman Creek @ Hwy 59 sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Arsenic, µg/L	Chlorpyrifos, µg/L
Deadman Creek @ Hwy 59	4/29/2008	NM		71		610	16	
Deadman Creek @ Hwy 59	5/7/2008	RS		42				
Deadman Creek @ Hwy 59	5/27/2008	NM				610	12	
Deadman Creek @ Hwy 59	6/24/2008	NM	3.78			310	17	
Deadman Creek @ Hwy 59	7/29/2008	NM	3.08			490		
Deadman Creek @ Hwy 59	8/5/08	MPM	4.51					0.14
Deadman Creek @ Hwy 59	8/26/2008	NM	1.78				11	
Deadman Creek @ Hwy 59	8/28/2008	Sediment	1.05		90			
Deadman Creek @ Hwy 59	9/9/08	MPM	3.37					0.069
Deadman Creek @ Hwy 59	9/30/2008	NM	4.45				13	
Deadman Creek @ Hwy 59	10/2/2008	Sediment RS	4.22					

NM – normal monitoring; Sediment – Sediment Monitoring; RS – Resample

Water column toxicity to *Selenastrum capricornutum* occurred in the sample collected during the first irrigation monitoring event on April 29, 2008 as well as the resample collected on May 7, 2008 (Table 38). A TIE was scheduled for the resample due to less than 50% cell growth relative to the control, however due to a miscommunication error in the laboratory, a TIE was not conducted. There were no exceedances of constituents known to be toxic to green algae during this event. Two herbicides, diuron and simazine, were detected in water samples but at concentrations below their respective EC<sub>50</sub>s for *Selenastrum* (diuron = 0.7 µg/L, EC<sub>50</sub> = 2.4 µg/L; simazine = 0.45 µg/L, EC<sub>50</sub> = 100 µg/L). Detections of metals in the sample water included all of the metals (arsenic, boron, cadmium, copper, lead, nickel, selenium and zinc), however only arsenic was detected at a concentration above the WQTL (Table 38). The EC<sub>50</sub> for arsenic acid is 690 µg/L (EPA ECOTOX website) and therefore the amount detected in the water sample accounts for less than 0.1 TU<sub>c</sub>. The concentrations of the other metals were relatively low, and were not likely the source of toxicity. PUR data include 158 pesticide applications that may be relevant to the *Selenastrum* toxicity. The active ingredients in these pesticides include 2,4-D, dimethylamine salt, amino ethoxy vinyl glycine hydrochloride, carfentrazone-ethyl, copper, glufosinate-ammonium, glyphosate, imidacloprid, oryzalin, oxyfluorfen, paraquat dichloride, rimsulfuron, sethoxydim, s-metolachlor. Water samples from the Deadman Creek @ Hwy 59 site have been tested for water column toxicity since the irrigation season of 2005. Since that time, *Selenastrum* toxicity has occurred once prior to the April 29, 2008 sampling event, on January 25, 2008. As a result of the second toxicity exceedance, *Selenastrum* toxicity will be addressed in the ESJWQC Management Plan update.

Sediment toxicity to *Hyalella azteca* was detected in samples collected for the irrigation sediment sampling event on August 28, 2008 (90% survival compared to the control, Table 38). This was the first sediment toxicity to occur at this site. The percent survival of organisms in the sample was above 80% and although significantly different from the control, is not considered to be ecological significant. Toxicity resampling occurred on October 2, 2008 and results from this site indicated that sediment toxicity was not persistent. Sediment samples do not undergo chemical analyses or TIEs and therefore the cause of toxicity is unknown. Water samples were collected from this site two days prior to sediment sampling and chemistry results include one exceedance (11 µg/L) of the arsenic WQTL. With the exception of cadmium, all of the metals were detected at concentrations below the WQTLs for each irrigation monitoring event. The highest concentration of copper occurred in a sample collected on May 27, 2008, which was measured at 4.3 µg/L (the WQTL based on the 262 mg/L hardness for that sample was 21 µg/L). The copper LC<sub>50</sub> for *Hyalella* in hard water (124 mg/L) is 90 (82-99) µg/L and in soft water (18 mg/L) is 36 (21-61) µg/L (EPA ECOTOX website Ref# 80935). Chlorpyrifos was also detected in the water column during the August sampling event, at a concentration of 0.015 µg/L (LC<sub>50</sub>=0.086 µg/L, EPA ECOTOX website Ref# 14907). PUR data contain 458 pesticide applications including 50 applications of chlorpyrifos that may be relevant to the *Hyalella* toxicity. Besides chlorpyrifos, the active ingredients reported include lambda-cyhalothrin, (s)-cypermethrin, cyfluthrin, pyrethrins, permethrin, esfenvalerate, fenpropathrin, bifenthrin, indoxacarb, paraquat dichloride, glyphosate, spiromesifen, propargite, abamectin, pyraclostrobin, etoxazole, pyriproxyfen, malathion and trifloxystrobin. If additional sediment toxicity is detected in future sampling events, then the toxicity will be addressed in a Coalition Management Plan update.

Management Plan Monitoring was conducted at Deadman Creek @ Hwy 59 in August and September for chlorpyrifos. Samples collected on August 5 and September 9 contained concentrations of chlorpyrifos above the WQTL (0.14 and 0.069 µg/L, Table 38). Chlorpyrifos was not detected above 0.015 µg/L in any other samples collected during the 2008 irrigation season. Two previous chlorpyrifos exceedances occurred at this site in September 2006 and August 2007 however none of the exceedances have been associated with *Ceriodaphnia* toxicity. PUR data prior to August 5 include 43 pesticide applications with approximately 378 gallons of product containing chlorpyrifos applied on alfalfa. Between August 5 and September 9 an additional 20 applications of chlorpyrifos were applied on alfalfa (131 gallons of product). Chlorpyrifos exceedances will be included in the ESJWQC Management Plan update.

Arsenic was detected at concentrations exceeding the WQTL during five of the six normal monitoring events during the irrigation season (Table 38). Metals were sampled for the first time during the irrigation season of 2008 at this Deadman Creek site and, as a result, these arsenic exceedances were the first to occur at Deadman Creek @ Hwy 59. The downstream site (Deadman Creek @ Gurr Rd) also experienced one exceedance of arsenic during the first irrigation monitoring event on April 29, 2008 (Table 37). After April, there were no arsenic exceedances experienced at the downstream Gurr Rd site for the remainder of the irrigation season. These results indicate that the sources of arsenic at these two sites either differ or are present only in the upstream site subwatershed. Future monitoring may provide better insight on whether exceedances of arsenic are connected to a specific source. There is currently no agricultural use of arsenic within the Deadman Creek @ Hwy 59 site subwatershed. Further

information on arsenic in the Coalition region is provided below under *Constituent Specific Analyses/Special Studies*.

Exceedances of the *E. coli* WQTL occurred during the first four normal monitoring events of the irrigation season (Table 38). *E. coli* was also detected at exceedance levels throughout much of the 2007 irrigation and storm seasons, but there were no exceedances in 2006. Possible sources of *E. coli* in the creek include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids and liquid dairy waste, and a large array of wildlife. As mentioned previously, dairies are not abundant in the vicinity of the Deadman Creek sampling sites, but there are some scattered parcels of land within the site subwatershed that contain dairies and irrigated pasture. It is unknown if agriculture in the area applies manure, biosolids or liquid dairy waste as fertilizer on crops. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*.

Exceedances of the DO WQTL occurred during the last four monitoring months at this site (Table 38). DO exceedances are common in the Coalition region, particularly during the warmer summer months. DO concentrations below the WQTL in the Deadman Creek @ Hwy 59 site have occurred intermittently across irrigation events since 2006. The WQTL for DO has not been exceeded during any storm monitoring events. A discussion of parameters that may affect DO in surface waters is provided at the end of this section, under *Constituent Specific Analyses/Special Studies*. DO is a priority E constituent in the Deadman Creek @ Hwy 59 subwatershed Management Plan.

### Dry Creek @ Rd 18

**Table 39. Dry Creek @ Rd 18 normal monitoring and Dry Creek @ Rd 22 Management Plan Monitoring sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	pH	<i>Hyalella azteca</i> , Survival: % of Control	Copper*, µg/L	Lead*, µg/L
Dry Creek @ Rd 22	4/29/2008	MPM		8.8		5.2 (3.0)	
Dry Creek @ Rd 18	4/29/2008	NM				6.8 (3.0)	
Dry Creek @ Rd 18 (FD)	4/29/2008	NM				6.9 (4.1)	
Dry Creek @ Rd 22	5/27/2008	MPM				5.7 (4.1)	
Dry Creek @ Rd 18	5/27/2008	NM				5 (3.5)	
Dry Creek @ Rd 22	6/24/2008	MPM				6.5 (2.6)	
Dry Creek @ Rd 18	6/24/2008	NM				4 (2.6)	
Dry Creek @ Rd 22	7/29/2008	MPM				7 (2.4)	
Dry Creek @ Rd 28 1/2	7/29/2008	MPM				5.3 (1.7)	
Dry Creek @ Rd 18	7/29/2008	NM				5.9 (1.5)	
Dry Creek @ Rd 22	8/26/2008	MPM				6.5 (1.5)	
Dry Creek @ Rd 18	8/26/2008	NM	5.82			5.1 (1.3)	0.36 (0.17)
Dry Creek @ Rd 18	8/26/2008	FD				4.8 (1.5)	0.3 (0.21)
Dry Creek @ Rd 18	8/28/2008	Sediment	5.62		89		

Site Name	Sample Date	Sample Type	DO, mg/L	pH	<i>Hyaella azteca</i> , Survival: % of Control	Copper*, µg/L	Lead*, µg/L
Dry Creek @ Rd 22	9/30/2008	MPM	3.97			36 (8.2)	

FD – Field Duplicate sample; NM – normal monitoring; MPM – Management Plan monitoring; Sediment – Sediment Monitoring  
 \*WQTL based on hardness and shown in parenthesis

Sediment toxicity to *Hyaella azteca* occurred in samples collected on August 28, 2008 (Table 39). Survival in the sample water was 89% compared to the control and although statistically significant, survival above 80% is not considered ecologically significant. Sediment resampling occurred on October 2, 2008 and results from this site indicated that the toxicity was not persistent. Sediment samples were not analyzed for pesticides or metals, however water samples collected two days prior to sediment sampling resulted in exceedances of the copper and lead WQTLs. Metals detected in the sample water may be an indication of metals concentrated in the sediment, and if so, copper and lead could have contributed to the *Hyaella* toxicity. Other possible sources of sediment toxicity are constituents or parameters not tested by the Coalition. PUR data show 346 applications of pesticides relevant to this toxicity. Active ingredients applied include pyrethrins, cyfluthrin, permethrin, bifenthrin, esfenvalerate, lambda-cyhalothrin, hexythiazox, glyphosate, glyphosate, isopropylamine salt, oxyfluorfen, paraquat dichloride, thiamethoxam, malathion, abamectin, chlorpyrifos, azoxystrobin, piperonyl butoxide, propargite, glyphosate, potassium salt, tau-fluvalinate, buprofezin, spiromesifen, cyprodinil, pyraclostrobin and fludioxonil.

Copper was detected at concentrations exceeding the WQTL in all samples analyzed for this constituent during the irrigation season (Table 39). Copper is under the Dry Creek Site Subwatershed Management Plan and upstream sampling occurred at Dry Creek @ Rd 22 during each irrigation season. An additional upstream site, Dry Creek @ Rd 28 ½, was sampled in July and September to further source copper exceedances. In September both Dry Creek @ Rd 18 and Rd 28 ½ were dry and the exceedance at Rd 22 was 36 µg/L. Copper concentrations at Dry Creek @ Rd 18 averaged 26.5 µg/L during the 2007/2008 storm season compared to the average 5.36 µg/L copper concentrations detected over the irrigation months of 2008. The highest load of copper detected at Dry Creek @ Rd 18 in 2008 occurred in July even though concentrations of copper were greater during the storm season. Analysis of PUR data from 2004-2007 indicate that applications of copper tend to peak during the month of July (ESJWQC Management Plan). PUR data for each of the copper exceedances detected during the 2008 irrigation season are provided in Appendix IV and will be evaluated further in the Coalition Management Plan update. Applications of various copper containing products occurred in January, February, March, April, June, and August with a majority of the applications occurring on grape and almond crops.

Lead was detected above the WQTL during the August 23, 2008 sampling event in both the grab and the duplicate sample (Table 39). Detections of lead in the creek occurred during every irrigation season event and ranged between 0.15 – 0.36 µg/L. Most of the detections fell below the laboratory reporting limit and therefore are considered estimated values. Lead in surface waters is not a result of current agricultural applications and there are a number of possible

sources of lead in the Coalition region. These sources are described in detail below, under *Constituent Specific Analyses/Special Studies*. Lead is currently being addressed for Dry Creek @ Rd 18 in the ESJWQC Management Plan.

Exceedances of the DO WQTL occurred at Dry Creek @ Rd 18 on August 26 and 28, 2008 and at the upstream MPM site on September 30, 2008 (Table 39). DO exceedances are common in the Coalition region, particularly during the warmer summer months. Dry Creek @ Rd 18 has had only one previous exceedance, which occurred on September 12, 2006. DO will be addressed in the Coalition Management Plan update. One exceedance of the pH upper WQTL was also detected at the Dry Creek @ Rd 22 (MPM) site on April 29, 2008. There have been two prior exceedances of pH at the Dry Creek @ Rd 18 site. These two exceedances occurred on August 16, 2005 (6.48) and August 28, 2007 (8.53) and are currently addressed in the Coalition Management Plan for this site subwatershed. A discussion of parameters that may affect DO and pH in surface waters is provided below under *Constituent Specific Analyses/Special Studies*.

### Dry Creek @ Wellsford Rd

**Table 40. Dry Creek @ Wellsford Rd sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Chlorpyrifos, µg/L
Dry Creek @ Wellsford Rd	4/22/2008	NM			>2400	
Dry Creek @ Wellsford Rd	5/20/2008	NM	5.67		330	
Dry Creek @ Wellsford Rd	6/17/2008	NM	6.31		>2400	
Dry Creek @ Waterford Rd	7/22/2008	MPM	6.08			0.02
Dry Creek @ Wellsford Rd	7/22/2008	NM	6.67		>2400	0.03
Dry Creek @ Waterford Rd	8/19/2008	MPM	5.93			0.023
Dry Creek @ Wellsford Rd	8/19/2008	NM	6.85		580	
Dry Creek @ Wellsford Rd	8/28/2008	Sediment	6.64	73		
Dry Creek @ Wellsford Rd	9/23/2008	NM			290	
Dry Creek @ Wellsford Rd	10/2/2008	Sediment RS	5.83			

NM – normal monitoring; MPM – Management Plan monitoring; Sediment – Sediment monitoring; RS – Resample

Sediment toxicity to *Hyalella azteca* occurred in samples collected on August 28, 2008 (73 % survival as compared to the control, Table 40). Sediment samples were not analyzed for pesticides or metals. Water samples were collected at the site one week prior to sediment sampling on August 19, 2008. There were no exceedances of pesticides or metals in the water column during this event. The only organic detected in the water column during the August 19 sampling event was dimethoate at a concentration of 0.25 µg/L (below the WQTL). Total copper in the water column was detected at a concentration of 5.6 µg/L. The upstream sampling site, Dry Creek @ Waterford Rd, experienced an exceedance of chlorpyrifos (0.023 µg/L) during the August 19, 2008 event however chlorpyrifos was not detected in samples from

the downstream Wellsford Rd site during the same event. Without sediment chemistry analysis it is unknown how much copper is bound to sediment collected from this site and therefore contributing to the *Hyalella* toxicity. PUR data do not show any applications of products containing copper in the site subwatershed between January and September of 2008. Other pesticides that were applied in the Dry Creek @ Wellsford Rd site subwatershed that may be relevant to this toxicity include lambda-cyhalothrin, permethrin, esfenvalerate, cyfluthrin, cypermethrin, bifenthrin, abamectin, glyphosate, oxyfluorfen, paraquat dichloride, propargite, chlorpyrifos, etoxazole, trifloxystrobin and pyriproxyfen.

Chlorpyrifos is currently included in the Dry Creek @ Wellsford Rd Site Subwatershed Management Plan as a priority A constituent. Upstream monitoring for chlorpyrifos occurred at Dry Creek @ Waterford in July, August and September. Chlorpyrifos exceedances occurred twice at the upstream Management Plan site, Dry Creek @ Waterford Rd and once at the normal monitoring site, Dry Creek @ Wellsford Rd (Table 40). Samples collected at the upstream site in September were also tested for toxicity to *Ceriodaphnia dubia* resulting in no toxicity. Chlorpyrifos exceedances have occurred at the normal monitoring site five times previous to the 2008 irrigation season. All of the chlorpyrifos exceedances at this site have occurred during irrigation season monitoring in the months between July and September. PUR data from 2004-2008 indicate that applications of chlorpyrifos occurred predominantly during the months of May, June, July and August. In sections of land upstream of the normal monitoring site, reported pesticide use in 2008 was the greatest during July when 36 chlorpyrifos applications occurred on 1294 acres of almonds, walnuts and corn. Of the 36 July applications that occurred, 23 were applied in the upstream site subwatershed of the Management Plan monitoring site. An additional nine applications occurred in the Management Plan site subwatershed, prior to the August 12 exceedance. Further analysis and action to address chlorpyrifos exceedances at this site will occur through the Site Subwatershed Management Plan.

Exceedances of the *E. coli* WQTL occurred in all samples during the irrigation season (Table 40). Possible sources of *E. coli* in the creek include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids and liquid dairy waste, and a large array of wildlife. Dairies and pasture are relatively abundant in the Dry Creek @ Wellsford Rd site subwatershed. Runoff from these lands may be contributing *E. coli*. It is unknown if agriculture in the area applies manure or biosolids as fertilizer on crops. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*.

Exceedances of the DO WQTL occurred at both the normal monitoring and Management Plan monitoring sites during May, June, July, August and October (Table 40). DO exceedances are common in the Coalition region, particularly during the warmer summer months and DO is currently included in the Site Subwatershed Management Plan for Dry Creek. Exceedances of the DO WQTL occurred at Dry Creek @ Wellsford during the irrigation season since 2005, most likely due to low flows and high temperatures. Only one exceedance has occurred during the storm season (February 11, 2007). A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. Exceedances from the 2008 irrigation season will further be addressed in the Coalition Management Plan update.

## Duck Slough @ Gurr Rd

**Table 41. Duck Slough sample sites - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	SC, $\mu$ S/cm	<i>Hyalella azteca</i> , Survival: % of Control	Carbofuran, $\mu$ g/L
Duck Slough @ Gurr Rd	4/29/2008	NM				0.052
Duck Slough @ Hwy 59	6/24/2008	MPM	4.22	841		
Duck Slough @ Hwy 59	7/29/2008	MPM	4.83			
Duck Slough @ Gurr Rd	8/28/2008	Sediment			63	
Duck Slough @ Hwy 59	9/30/2008	MPM	3.33			
Duck Slough @ Gurr Rd	10/2/2008	Sediment RS			93	

NM – normal monitoring; MPM – Management Plan monitoring; RS – Resample; Sediment – Sediment Monitoring

Sediment toxicity to *Hyalella azteca* occurred in samples collected on August 28, 2008 (Table 41). Survival in the sample water was 63% and 93% in the resamples collected on October 2, 2008. Sediment samples were not analyzed for pesticides or metals. Water samples collected at the site two days prior to sediment sampling, on August 26, 2008, did not contain concentrations of any pesticides or metals that would be exceedances of their respective WQTLs. PUR data include 361 applications that may be relevant to this toxicity. Active ingredients applied include lambda-cyhalothrin, cyfluthrin, (s)-cypermethrin, esfenvalerate, permethrin, bifenthrin, indoxacarb, abamectin, clofentezine, glyphosate, chlorpyrifos, spiromesifen, paraquat dichloride, propargite, etoxazole, malathion, pyraclostrobin and thiamethoxam. *Hyalella* toxicity is a priority D constituent in the Management Plan for Duck Slough @ Gurr Rd.

Carbofuran was detected above exceedance concentrations for the first time during the April 29, 2008 monitoring event (0.052  $\mu$ g/L, Table 41). Carbofuran is a prohibited discharge pesticide and any detection of the constituent in a water sample is considered an exceedance. It is a restricted use pesticide and has minimal use in California on crops such as artichokes, grapes and ornamentals. A systemic, broad spectrum N-methyl carbamate insecticide and nematocide, carbofuran is highly toxic to *Ceriodaphnia dubia*. There was no toxicity detected in samples from this event. PUR data indicates that applications of carbofuran occurred during the month of March. Between March 8 and March 24, 2008 approximately 54 gallons of carbofuran were applied on 792 acres of irrigated alfalfa. If additional exceedances of carbofuran occur at this site, then actions will be taken to address the exceedances through the Coalition Management Plan.

Exceedances of the DO WQTL occurred at the upstream MPM site, Duck Slough @ Hwy 59, during all events (Table 41). Low DO is common across water bodies within the Coalition region, particularly during the warmer summer months. There have been three previous exceedances of the DO WQTL at the (downstream) Duck Slough @ Gurr Rd site. These exceedances occurred on July 12, 2006, September 13, 2006 and June 19, 2007. A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific*

*Analyses/Special Studies.* DO is a priority E constituent in the management plan for Duck Slough @ Gurr Rd.

One exceedance of the SC WQTL occurred at the upstream MPM site on June 24, 2008 (Table 41). Potential sources of SC include minerals leached from soils by upstream surface water and ground water, or drain water from irrigated agriculture. The 2008 irrigation season was the first season of sampling for the MPM site; therefore there have not been any previous exceedances at this site. There has been only one exceedance of the SC WQTL in the past at the normal monitoring site, Duck Slough @ Gurr Rd. This exceedance occurred during sampling on September 29, 2004 and SC was measured at 701  $\mu\text{S}/\text{cm}$  (WQTL = 700  $\mu\text{S}/\text{cm}$ ). Further discussion on parameters that may affect SC in surface waters is provided below under *Constituent Specific Analyses/Special Studies.*

### Duck Slough @ Hwy 99

**Table 42. Duck Slough @ Hwy 99 Rd and Duck Slough @ Whealan Rd sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Copper*, $\mu\text{g}/\text{L}$	Lead*, $\mu\text{g}/\text{L}$	Chlorpyrifos, $\mu\text{g}/\text{L}$
Duck Slough @ Hwy 99	4/29/2008	NM	86		280			
Duck Slough @ Hwy 99	5/7/2008	RS	5					
Duck Slough @ Whealan Rd	6/24/2008	MPM				73 (5.0)		
Duck Slough @ Hwy 99	7/29/2008	NM				2.7 (2.6)	0.69 (0.5)	
Duck Slough @ Whealan Rd	8/26/2008	MPM				3.4 (1.9)		
Duck Slough @ Hwy 99	8/26/2008	NM					0.72 (0.69)	
Duck Slough @ Hwy 99	8/28/2008	Sediment		86				
Duck Slough @ Hwy 99	9/30/2008	NM						0.034
Duck Slough @ Whealan Rd	9/30/2008	MPM				3.7 (1.9)		
Duck Slough @ Hwy 99	10/2/2008	Sediment RS		90				

NM – normal monitoring; MPM – Management Plan monitoring; Sediment – Sediment Monitoring; RS - Resample  
\*WQTL based on hardness and shown in parenthesis

Water column toxicity to *Selenastrum capricornutum* occurred in samples collected during the first irrigation monitoring event on April 29, 2008 (Table 42). Resampling occurred at this site on May 7, 2008 and sample tested toxic again, indicating that the source of toxicity was persistent at the site. Toxicity in the resample was greater than that experienced during the original sampling event (5% compared to the control). A TIE was not conducted on the resample due to a laboratory miscommunication. Prior to this event, *Selenastrum* toxicity occurred in a sample collected on July 12, 2005. There were no exceedances of constituents known to be toxic to green algae in the sample collected on April 29, 2008. Chemistry results

indicate the presence of metals at concentrations below WQTL for arsenic, boron, cadmium, copper, lead, nickel, selenium and zinc. It may be that the toxicity was a result of constituents or parameters not tested by the Coalition. PUR data include applications in April 2008 of a variety of active ingredients that are known to be toxic to *Selenastrum*. These include copper, glyphosate, 2,4-d, carfentrazone-ethyl, simazine, paraquat dichloride, glufosinate-ammonium, oryzalin, oxyfluorfen, amino ethoxy vinyl glycine, sethoxydim, imidacloprid and s-metolachlor. There were 29 reported pesticide applications between the original sampling event and the date of resampling. Relevant pesticides applied between these two dates included paraquat dichloride and glyphosate. It is uncertain whether either of these applications contributed to the toxicity experienced in any of the samples collected on either date. All PUR data and maps of applications relevant to exceedances are provided in Appendix IV. *Selenastrum* toxicity has not yet been addressed in a Management Plan for the Duck Slough site subwatershed. As a result of the toxicity experienced during the 2008 irrigation season these exceedances will be addressed in the ESJWQC Management Plan update.

Sediment toxicity to *Hyalella azteca* occurred for the first time at this site in samples collected on August 28, 2008 (Table 42). Survival in the sample water was 86% compared to the control which is greater than the 80% threshold indicating that this toxicity is not ecologically significant. Resampling occurred at the site on October 2, 2008 resulting in 90% survival compared to the control. Sediment samples were not analyzed for pesticides or metals. Water samples collected at the site two days prior to sediment sampling, on August 26, 2008, contained exceedance levels of only lead (0.72 µg/L). There were no detections of any pesticides in these samples, however low concentrations (below the WQTL) of most of the tested metals were detected in these water samples. Low level concentrations of metals are common in Coalition water bodies. These are considered background levels and are not known to cause toxicity. The concentration of metals in the sediment, however, may differ (may be more concentrated) from that detected in the water column, and as a result it is unknown if metals are a source of sediment toxicity in the slough. Water samples collected at the upstream site, Duck Slough @ Whealan Rd, contained exceedance level concentrations of copper in both the August and September water samples. Without knowing the concentration of copper in the sediment it is difficult to know if copper was in part responsible for the sediment toxicity at the downstream site. There were 187 applications of pesticides that may be relevant to the sediment toxicity. Pesticides applied include cyfluthrin, esfenvalerate, permethrin, lambda-cyhalothrin, (s)-cypermethrin, glyphosate, clofentezine, paraquat, dichloride, chlorpyrifos, bifenthrin, indoxacarb, abamectin, malathion, etoxazole, pyraclostrobin, propargite and spiromesifen. If additional toxicity occurs at the site then *Hyalella* will be addressed in the Duck Slough @ Hwy 99 Site Subwatershed Management Plan.

Chlorpyrifos is currently addressed in the Site Subwatershed Management Plan and upstream monitoring occurred during May and July, 2008. One exceedance of the chlorpyrifos WQTL occurred at Duck Slough @ Hwy 99 in a sample collected on September 30, 2008, however no chlorpyrifos was detected in the sample from the upstream monitoring location at Whealan Rd (Table 42). Chlorpyrifos is known to cause *Ceriodaphnia dubia* toxicity, but no toxicity was experienced during this event. Chlorpyrifos exceedances have occurred at the normal monitoring site during three events previous to the 2008 irrigation season. All of the chlorpyrifos exceedances at this site have occurred during irrigation season. PUR data indicate

elevated chlorpyrifos use during the months of July and August, however there is no reported use during the month of September. In July, 256 pounds of chlorpyrifos (active ingredient) were applied on 523 acres of alfalfa, corn and walnuts. Use during the month of August was less, amounting to 146 pounds of product applied on 427 acres of agriculture. Chlorpyrifos is a priority A constituent in the Duck Slough @ Hwy 99 site subwatershed. Further analyses and actions to address chlorpyrifos exceedances at this site will occur through the Site Subwatershed Management Plan.

Copper is also included in the Duck Slough @ Hwy 99 Site Subwatershed and upstream monitoring was conducted in April, June, July, August and September, 2008. Three exceedances occurred at the MPM site, Duck Slough @ Whealan Rd, on June 24, 2008 (73 µg/L), August 26, 2008 (3.4 µg/L) and September 30, 2008 (3.7 µg/L) (Table 41). The NM site, Duck Slough @ Hwy 99, experienced one exceedance in samples collected on July 29, 2008 (2.7 µg/L). PUR data indicate four applications of copper pesticides within three months prior to this exceedance. These applications totaled 357 pounds of product applied on 121 acres of walnuts and processing tomatoes. Prior to the June 24 copper exceedance at the upstream Duck Slough @ Whealan Rd site, there were six applications of copper hydroxide. These applications totaled 417 lbs of fungicide applied across 136 acres of walnuts and processing tomatoes. Exceedances from the 2008 irrigation season will be addressed in the ESJWQC Management Plan update.

Lead was detected above the WQTL during the July 29, 2008 and August 26, 2008 sampling events (Table 42). Lead in surface waters is not a result of current agricultural practices; and there are a number of possible alternative sources of lead in the Coalition region. These sources are described in detail below, under *Constituent Specific Analyses/Special Studies*. Lead is currently a priority E constituent in the Site Subwatershed Management Plan for Duck Slough @ Hwy 99. The exceedances of the lead WQTL that occurred during the 2008 irrigation season will be addressed further in the ESJWQC Management Plan update.

One exceedances of the *E. coli* WQTL occurred during the first irrigation monitoring event at the Duck Slough @ Gurr Rd site (280 MPN/100 mL, Table 42). Possible sources of *E. coli* in the creek include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. Dairies and pasture are relatively abundant in the Duck Slough @ Hwy 99 site subwatershed. Runoff from these lands may be contributing the level of *E. coli* at the sample site. It is unknown if agriculture in the area applies manure, biosolids or liquid dairy waste as fertilizer on crops. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*.

## Hatch Drain @ Tuolumne Rd

**Table 43. Hatch Drain @ Tuolumne Rd sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	SC, $\mu$ S/cm	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	TDS, mg/L	Arsenic, $\mu$ g/L	Nitrate, $\mu$ g/L	DDT, $\mu$ g/L
Hatch Drain @ Tuolumne Rd	4/22/2008	NM	2.14	1274	64		1300	880	17	20	
Hatch Drain @ Tuolumne Rd	4/22/2008	FD			55		1100	830	17	20	0.023
Hatch Drain @ Tuolumne Rd	4/29/2008	RS	0.82	1323	47						
Hatch Drain @ Tuolumne Rd	5/20/2008	NM	1.67	1325	60		2400	960	18	18	
Hatch Drain @ Tuolumne Rd	5/27/2008	RS	0.73	1197							
Hatch Drain @ Tuolumne Rd	6/17/2008	NM	0.99	1292			390	930	17	18	
Hatch Drain @ Tuolumne Rd	7/22/2008	NM	0.67	1326	44		650	900	19	27	
Hatch Drain @ Tuolumne Rd	7/29/2008	RS	0.9	1301	52						
Hatch Drain @ Tuolumne Rd	8/19/2008	NM	1.4	1330	43		1400	900	17	15	
Hatch Drain @ Tuolumne Rd	8/26/2008	RS	1.1	1493	64						
Hatch Drain @ Tuolumne Rd	8/28/2008	Sediment	1.31	1391		0					
Hatch Drain @ Tuolumne Rd	9/23/2008	NM	1.69	1295				920	15	17	
Hatch Drain @ Tuolumne Rd	10/2/2008	Sediment RS	2.14	1455		5					

FD – field duplicate; NM – normal monitoring; Sediment – Sediment Monitoring; RS - Resample

Water column toxicity to *Selenastrum capricornutum* occurred in samples collected during four out of the six irrigation monitoring events (Table 43). This is the first irrigation season that samples from Hatch Drain have tested toxic to *Selenastrum*. Resampling occurred after each of the toxicity events and all but one resample was toxic. TIEs were conducted on three of the samples (April 29, July 22 and August 19). The first TIE, conducted on samples collected during the April 29, 2008 event, indicated that the sample toxicity was due to non-polar organics and cationic compounds. Samples collected on July 22 and August 19 resulted in no baseline toxicity and therefore the TIEs were inconclusive for those samples. Exceedance level concentrations of arsenic and/or lead occurred in all of the normal monitoring samples that experienced toxicity. Arsenic and lead are not considered to be acutely toxic to *Selenastrum* especially at the low concentrations detected during these events. Besides DDT, there were no exceedance level concentrations of any other pesticides during the irrigation season. There were low concentrations (between 0.44 and 0.75  $\mu$ g/L) of cyanazine and simazine during two of the sampling events (May 27 and June 24, 2008), and one detection of chlorpyrifos (0.0067  $\mu$ g/L) during the July 22, 2008 event. Toxicity to *Selenastrum* was also detected in the samples collected during both 2008 storm monitoring events. PUR data indicates applications of pesticides that are known to be toxic to green algae, including copper hydroxide, glyphosate, s-metolachlor, paraquat dichloride, and carfentrazone-ethyl. It is uncertain if any of these applications contributed to the toxicity at this site. *Selenastrum* toxicity has not yet been addressed in a Management Plan for Hatch Drain. Toxicity experienced during the 2008 storm and irrigation seasons will be addressed in the ESJWQC Management Plan update.

Sediment toxicity to *Hyalella azteca* occurred in samples collected on August 28, 2008 resulting in complete mortality (Table 43). Resamples collected on October 2, experienced 5% survival relative to the control, indicating that the sediment toxicity was persistent at this site. Sediment toxicity has previously occurred in samples collected from this site and is currently included in the Hatch Drain Site Subwatershed Management Plan. Sediment samples were not analyzed for pesticides or metals. Water samples collected at this site have consistently resulted in detections or exceedances of lead and arsenic. These detections may be an indication of the existence of metals in the sediment. There may also be constituents in the sediment that are not detected in the sample water. PUR data include 17 pesticide applications that may be relevant to this toxicity. Active ingredients of the applied pesticides include lambda-cyhalothrin, esfenvalerate, bifenthrin, glyphosate, spiromesifen and chlorpyrifos. The toxicity experienced during the 2008 monitoring events will be addressed in the ESJWQC Management Plan update.

DDT was detected at an exceedance concentration for the first time at the Hatch Drain @ Tuolumne Rd sample site during the April 22, 2008 monitoring event (Table 43). Laboratory analyses of water samples detected DDT in the field duplicate sample but not in the grab sample. DDT has an extremely high  $K_{oc}$ . It is possible that the field duplicate could have been contaminated with sediment mobilized from the drain during collection of the grab sample. DDT is an organochlorine pesticide that was used abundantly in the past, but is not currently registered for agricultural use. Due to the long half-life, DDT and its breakdown products, DDD and DDE, are still found in Coalition water bodies. Since DDT is no longer used by agriculture, current agricultural pesticide applications are not the source of these exceedances. If additional exceedances of DDT occur at this site, then the exceedances will be addressed through actions stated in the ESJWQC Management Plan.

Exceedances of *E. coli* occurred during most of the irrigation monitoring events (April, May, June, July and August, Table 43). Possible sources of *E. coli* include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. The Hatch Drain @ Tuolumne Rd site subwatershed is relatively small, encompassing only a few sections of land. Within the small subwatershed, approximately half of the land-use is for pasture and dairy. It may be that irrigation runoff from these lands is contributing to the *E. coli* in the drain. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* is a priority E constituent for this site. Exceedances experienced during the 2008 irrigation season will be included in the ESJWQC Management Plan update.

Exceedances of the nitrate WQTL occurred in all samples analyzed for this constituent during the irrigation season (Table 43). Potential sources of nitrate in surface waters include runoff of fertilizers or organic matter from irrigated pasture, leaking septic systems, waste-treatment facility effluent, and inputs from dairies. These sources can move to surface waters through surface water runoff or shallow subsurface flows. There are no wastewater treatment plants upstream of the Hatch Drain sample site. As mentioned above, approximately half of the site subwatershed is made up of pasture land or dairies and runoff containing animal waste upstream of the Hatch Drain site could be the source of nitrate in the drain. Additional

information regarding possible sources of nitrate in the Coalition region is provided under *Constituent Specific Analyses/Special Studies* below. It is not certain which particular source is responsible for these exceedances. Nitrate is a priority E constituent at this site, and further analysis and a description of actions that will be taken to address the exceedances will be provided in the ESJWQC Management Plan update.

Arsenic was detected at exceedance concentrations during all of the six irrigation monitoring events (Table 43). Past monitoring results from this site include arsenic exceedances in 12 of the 14 collected water samples. There is currently no agricultural use of arsenic within the Hatch Drain @ Tuolumne Rd site subwatershed, however detections may be a legacy of historical use. Further information on arsenic in the Coalition region is provided below under *Constituent Specific Analyses/Special Studies*. Arsenic is a priority E constituent at this site.

Exceedances of the TDS and SC WQTLs were also detected during all of the irrigation sampling (Table 43). TDS describes all solids (usually mineral salts) that are dissolved in water and are frequently associated with exceedances of SC. Potential sources of TDS and SC are minerals leached from soils by upstream surface water and ground water, or drain water from irrigated agriculture. Possible sources of these exceedances in the drain are described further below under *Constituent Specific Analyses/Special Studies*. Exceedance level concentrations of SC and TDS have occurred at the Hatch Drain site during most monitoring events. As a result, these constituents were included as priority E constituents in the management plan for this site.

Exceedances of the DO WQTL occurred during every sampling event during the irrigation season at the Hatch Drain site (Table 43). Similar DO concentrations were measured during all storm season events as well as the previous irrigation season events. A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO is a priority E constituent in the management plan for Hatch Drain @ Tuolumne Rd.

## Highline Canal @ Hwy 99

**Table 44. Highline Canal @ Hwy 99 sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	pH	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Chlorpyrifos, µg/L
Highline Canal @ Hwy 99	4/22/2008	NM		63			
Highline Canal @ Hwy 99	5/7/2008	MPM	8.69				
Highline Canal @ Hwy 99	5/20/2008	NM		76		240	
Highline Canal @ Hwy 99	6/3/2008	MPM	8.61				
Highline Canal @ Hwy 99	7/22/2008	NM					0.021
Highline Canal @ Hwy 99	8/19/2008	NM	9.24				
Highline Canal @ Hwy 99	8/28/2008	Sediment			94		

Site Name	Sample Date	Sample Type	pH	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Chlorpyrifos, µg/L
Highline Canal @ Hwy 99	9/9/2008	MPM	8.73				
Highline Canal @ Hwy 99	10/2/2008	RS			92		

NM – normal monitoring; Sediment – Sediment Monitoring; MPM – Management Plan monitoring; RS - Resample

Water column toxicity to *Selenastrum capricornutum* occurred in samples collected during the first and second irrigation monitoring events on April 22 and May 20, 2008 (63% and 76% survival compared to the control, Table 44). Resampling occurred after each of the toxicity exceedances and there was no toxicity in either resample indicating that the toxicity at the site was not persistent. There were no exceedance level concentrations of any metals or pesticides during either of the toxicity events. Metals detected below the WQTL in the sample water include arsenic, boron, cadmium, copper, lead, nickel, selenium and zinc; all detections were at low concentrations not known to have an effect on algae. There were no detections of any pesticides during the April 22, 2008 sampling event. Samples collected during the May 20, 2008 event resulted in a detection of cyanazine measured below the laboratory reporting limit at 0.26 µg/L. Toxicity to *Selenastrum* was also detected during a storm monitoring event in both 2007 and 2008. However, prior to this irrigation season, there has been no *Selenastrum* toxicity in irrigation samples over three years of sampling. The source of toxicity at the site may be due to a combination of constituents in the canal. The upstream site, Highline Canal @ Lombardy Rd, has had multiple instances of toxicity to *Selenastrum* including May 20, 2008. It is possible that the source of toxicity is the same for both sites during the May sampling event. PUR data indicate 204 applications that may be relevant to the *Selenastrum* toxicity that occurred on April 22. Pesticides applied include copper, glyphosate, paraquat dichloride, methyl bromide, 2,4-d, dimethylamine salt, glufosinate-ammonium, oryzalin, carfentrazone-ethyl, simazine, pendimethalin, 2,4-d, diethanolamine salt, and s-metolachlor. Prior to the May 20 toxicity event, there were 345 relevant applications of pesticides including copper oxide, copper hydroxide, copper sulfate (basic), simazine, pendimethalin, paraquat dichloride, oxyfluorfen, glyphosate, isopropylamine salt, 2,4-d, dimethylamine salt, norflurazon, glyphosate, glyphosate, potassium salt, methyl bromide, glufosinate-ammonium, oryzalin, carfentrazone-ethyl, 2,4-d, diethanolamine salt, s-metolachlor, imidacloprid and sethoxydim. It has not been determined if any of these products may be a source of toxicity. Toxicity experienced during the 2008 storm and irrigation seasons will be included in the updated Coalition Management Plan.

Sediment toxicity to *Hyalella azteca* occurred in the sample collected on August 28, 2008 (Table 44). Survival in the sample water was 94% compared to the control and although the survival is significantly different from the control because the survival is greater than 80% it is not considered ecologically relevant. Resamples resulted in 92% survival compared to the control. Sediment samples were not analyzed for pesticides or metals, and there were no exceedances of any pesticide or metals WQTLs in water samples collected one week prior to sediment sampling. PUR data indicate 496 applications of pesticides known to be toxic to *Hyalella*. The active ingredients in the pesticides applied include lambda-cyhalothrin, esfenvalerate,

bifenthrin, permethrin, cyfluthrin, abamectin, glyphosate, glyphosate, isopropylamine salt, chlorpyrifos, oxyfluorfen, paraquat dichloride, spiromesifen, propargite, glyphosate, potassium salt, pyraclostrobin, trifluralin, etoxazole, piperonyl butoxide, chlorophacinone and pyriproxyfen. *Hyalella* toxicity is addressed in the ESJWQC Management Plan for Highline Canal @ Hwy 99 as a priority D constituent.

One chlorpyrifos exceedance occurred at this site in a sample collected on July 22, 2008 (Table 44). Chlorpyrifos is known to cause *Ceriodaphnia dubia* toxicity, but no toxicity was experienced during this event. Exceedances have occurred during both the irrigation and storm seasons of previous years and is currently addressed as a priority A constituent in the Highline Canal @ Hwy 99 Site Subwatershed Management Plan. PUR data indicate elevated chlorpyrifos use during the months of July and August in 2008. In July, 385 lbs of chlorpyrifos was applied on 1073 acres of walnuts, almonds and corn. Further analyses and discussion of chlorpyrifos exceedances will be included in the ESJWQC Management Plan update.

Exceedances of the *E. coli* WQTL occurred during the second irrigation monitoring event at this site (Table 44). Possible sources of *E. coli* in the canal include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. Scattered sections of land within the Highline Canal @ Hwy 99 site subwatershed are used for pasture and dairy, particularly to the northwest of the sample site. It may be that irrigation runoff from these lands is contributing to the *E. coli* in the canal. *E. coli* was also detected at the upstream site, Highline Canal @ Lombardy Rd on May 20, 2008 (Table 45). Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* has been addressed in the Coalition Management Plan as a priority E constituent.

Exceedances of the pH WQTL occurred at this site in May, June, August and September (Table 44). Prior to this irrigation season, elevated pH occurred at this site intermittently across both the storm and irrigation seasons. A discussion of parameters that may affect pH in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. The Management Plan for Highline Canal @ Hwy 99 addresses pH as a priority E constituent.

## Highline Canal @ Lombardy Rd

Table 45. Highline Canal @ Lombardy Rd sample site - 2008 Irrigation season exceedances.

Site Name	Sample Date	Sample Type	pH	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Copper*, µg/L	Lead*, µg/L	Chlorpyrifos, µg/L	Malathion, µg/L	Methyl parathion, µg/L
Highline Canal @ Lombardy Rd	5/20/2008	NM		53		650					
Highline Canal @ Lombardy Rd	7/8/2008	MPM	8.56								
Highline Canal @ Lombardy Rd	8/19/2008	NM	8.65					0.27 (0.26)			
Highline Canal @ Lombardy Rd	8/19/2008	FD					3.3 (1.9)		0.031	0.14	0.18
Highline Canal @ Lombardy Rd	8/28/2008	Sediment			62						
Highline Canal @ Lombardy Rd	10/2/2008	Sediment RS			82						

FD – field duplicate; FB – field blank; NM – normal monitoring; MPM – Management Plan monitoring; Sediment – Sediment Monitoring; RS - Resample

\*WQTL based on hardness and shown in parenthesis

Water column toxicity to *Selenastrum capricornutum* occurred in samples collected for the second irrigation monitoring event on May 20, 2008 (Table 45). Resamples collected one week later were not toxic. There were no exceedance level concentrations of any metals or pesticides during the toxicity event. Metals detected below the WQTL in the sample water include arsenic, boron, cadmium, copper, lead, nickel, selenium and zinc; detections were at concentrations not known to have an effect on algae. During the May 20, 2008 event, the only detection was of cyanazine measured at 0.29 µg/L; below the laboratory reporting limit. Toxicity to *Selenastrum* also occurred on the same date at the downstream location, Highline Canal @ Hwy 99 co-occurring with a detection of cyanazine (0.26 µg/L). The cyanazine concentrations were not sufficient to be the cause of the algae toxicity; however, cyanazine may have contributed to the toxicity in combination with another constituent for which the Coalition does not analyze. Cyanazine is not currently registered for use in the United States. Toxicity to *Selenastrum* has occurred three times prior to this event, on August 17, 2005, March 16, 2006 and February 28, 2007. The source of toxicity at the site may be due to a combination of factors or constituents in the canal. PUR data show 252 applications of pesticides relevant to the *Selenastrum* toxicity including copper, oxyfluorfen, paraquat dichloride, glufosinate-ammonium, oryzalin, 2,4-d, arfentrazone-ethyl, simazine, pendimethalin, s-metolachlor and glyphosate. *Selenastrum* toxicity is a priority D constituent under the Highline Canal @ Hwy Lombardy Site Subwatershed.

Sediment toxicity to *Hyalella azteca* occurred in samples collected on August 28, 2008 (62% survival relative to the control, Table 45). Resamples collected on October 2 experienced 82% survival relative to the control. Sediment toxicity has occurred during four previous sampling events (as well as one resample toxicity), across irrigation and storm seasons. Sediment

samples were not analyzed for pesticides or metals; however there were multiple exceedances of pesticides and metals in water samples collected one week prior to sediment sampling, including copper, lead, and chlorpyrifos (Table 45). The LC<sub>50</sub> for chlorpyrifos to *Hyalella* is 0.086 µg/L (ECOTOX Ref#14907) and the 0.031 µg/L in the water column a week earlier may have contributed to the 38% mortality of *Hyalella*. There may also be constituents apparent in the sediment not detected in the sample water. PUR data indicate that there were 423 applications of pesticides that are known to be toxic to *Hyalella* and have a tendency to bind to sediment, including esfenvalerate, lambda-cyhalothrin, permethrin, bifenthrin, cyfluthrin, chlorpyrifos, spiromesifen, abamectin, paraquat dichloride, pyraclostrobin and propargite. The toxicity experienced during the 2008 monitoring seasons will be addressed in the ESJWQC Management Plan update.

The chlorpyrifos WQTL was exceeded in the sample collected on August 19, 2008 (0.013 µg/L, Table 45). Both a grab and a field duplicate sample were collected from this site during the August 19, 2008 event and chlorpyrifos was detected only in the field duplicate sample. Chlorpyrifos is an organophosphate pesticide, commonly applied for pest control on alfalfa and orchard crops, among others. Chlorpyrifos is mostly applied as a dormant spray on orchard crops during the winter season, and prior to harvest during the late irrigation season on field crops such as alfalfa. Detections of chlorpyrifos in the canal have occurred previously during both the irrigation and storm seasons. Chlorpyrifos is currently addressed in the Site Subwatershed Management Plan for Highline Canal @ Lombardy Rd. Chlorpyrifos is toxic to *Ceriodaphnia dubia*, however there was no toxicity detected in these samples. PUR data for the Highline Canal @ Lombardy Rd site subwatershed include ten applications of chlorpyrifos during the month of August 2008. Between August 1 and 14, 815 acres of almond, walnuts and corn were treated with products containing chlorpyrifos. In addition there was one 50 gallon application that occurred on July 31, applied to 200 acres of almonds.

Copper was detected above the WQTL in the field duplicate sample collected on August 19, 2008 (3.3 µg/L, Table 45). The associated environmental sample contained 1.2 µg/L which was below the WQTL based on hardness. There have been four exceedances of the copper WQTL prior to this event occurring during the storm and irrigation seasons of 2007 and the storm season of 2008. The highest detections measured at this site occurred during the 2008 storm monitoring, January 24 and February 26, at 28 µg/L and 32 µg/L respectively. The copper load was highest during the January 24, 2008 event (43 mg/s). PUR data indicate one application of copper within three months prior to the exceedance. On May 25, 2008, 20 pounds of chlorpyrifos were applied on five acres of walnuts. Copper is currently addressed in the Highline Canal @ Lombardy Rd Site Subwatershed Management Plan.

Exceedances of the malathion and methyl parathion WQTLs occurred for the first time at this site in samples collected on August 19 (Table 45). These pesticides were only detected in the field duplicate sample. Methyl parathion is an organophosphate pesticide and is used to control insects in a wide range of crops, including walnuts, corn, onion, and wine grapes, among others. It is generally applied as a spray, mainly as an emulsifiable concentrate formulation. However, emulsifiable concentrate formulations were canceled voluntarily by the registrants of the product. This came into effect on 30 April 1997. Currently, methyl parathion is still applied in California; however there was no reported use of the product in the Highline Canal site

subwatershed in 2008. As a result, the source of the exceedance in the canal is unknown. Malathion is a prohibited discharge pesticide and any detection is considered an exceedance. Malathion is an organophosphate insecticide that is predominantly used on alfalfa, field crops, walnuts, and for structural pest control (in California). PUR data for the Highline Canal do not include any applications of malathion in the site subwatershed in 2008. Though malathion is known to be toxic to *Ceriodaphnia dubia* (LC<sub>50</sub> = 3.35 µg/L, ECOTOX Ref# 95923), there was no toxicity in samples collected at the same time. If additional exceedances of malathion or methyl parathion occur in the canal, then these constituents will be addressed in the ESJWQC Management Plan update.

Exceedances of the DDE and DDT WQTL occurred in the field blank samples collected on August 19. There were no detections of either constituent in the grab or field duplicate samples collected from Highline Canal @ Lombardy Rd. Field blank detections do not reflect the water quality in the canal and are only used to assess field contamination. Further information regarding field blank detections can be found in the section *Precision and Accuracy*.

Lead was detected 0.01 µg/L above the WQTL during the August 19, 2008 sampling event (Table 45). This concentration was lower than those of all previous samples during the irrigation season, but was an exceedance due to lower water hardness in the sample. Lead in surface waters is not a result of current agricultural practices, however there are a number of possible alternative sources of lead in the Coalition region. These sources are described in detail below, under *Constituent Specific Analyses/Special Studies*. Lead is a priority E constituent in the management plan for Highline Canal @ Lombardy Rd.

Exceedances of the *E. coli* WQTL occurred during the second irrigation monitoring event at this site (Table 45). A similar level of *E. coli* was also detected at the downstream sample location at Hwy 99 (Table 44). Possible sources of *E. coli* in the canal include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. Scattered sections of land within the Highline Canal site subwatershed are used for pasture and dairy, particularly to the northwest of the sample site. It may be that irrigation runoff from these lands is contributing to the *E. coli* in the canal. The *E. coli* WQTL was not exceeded in samples collected from the upstream site, Highline Canal @ Lombardy Rd, during the same event. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* has been addressed in the Coalition Management Plan as a priority E constituent.

Exceedances of the pH WQTL occurred at this site above the upper WQTL during the fourth and fifth irrigation monitoring events (Table 45). Prior to this irrigation season, elevated pH was detected once on March 21, 2005 and pH was detected once below the lower WQTL on August 17, 2005. A discussion of parameters that may affect pH in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. The Site Subwatershed Management Plan for Highline Canal @ Lombardy Rd addresses pH as a priority E constituent.

## Hilmar Drain @ Central Ave

Table 46. Hilmar Drain @ Central Ave sample site - 2008 Irrigation season exceedances.

Site Name	Sample Date	Sample Type	DO, mg/L	SC, µS/cm	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	TDS, mg/L	Nitrate, µg/L	DDE, µg/L	Diuron, µg/L
Hilmar Drain @ Central Ave	4/22/2008	NM		1482	45		390	960			
Hilmar Drain @ Central Ave	4/29/2008	MPM									3.43
Hilmar Drain @ Central Ave	4/29/2008	RS	4.48	809	59						
Hilmar Drain @ Central Ave	5/20/2008	NM		963			440	680	20		
Hilmar Drain @ Central Ave	6/17/2008	NM		1060			1000	650			
Reclamation Drain @ Williams Ave	7/22/2008	MPM		1558							
Hilmar Drain @ Mitchell Rd	7/22/2008	MPM	6.93	995	70				28		
Hilmar Drain @ Central Ave	7/22/2008	NM		1074			270	710	21		
Hilmar Drain @ Mitchell Rd	7/29/2008	RS	1.81	770	22						
Hilmar Drain @ Central Ave	8/19/2008	NM		1590				1000		0.0056	
Hilmar Drain @ Central Ave	8/28/2008	Sediment	6.32	1172		0					
Hilmar Drain @ Central Ave	9/23/2008	NM		943	73			640	26		
Hilmar Drain @ Central Ave	9/23/2008	FD			83			640	26		
Hilmar Drain @ Central Ave	9/30/2008	RS		733	75						
Hilmar Drain @ Central Ave	10/2/2008	Sediment RS		1241		0					

FD – field duplicate; NM – normal monitoring; MPM – Management Plan monitoring; RS – Resample; Sediment – Sediment Monitoring

Water column toxicity to *Selenastrum* is currently under the Site Subwatershed Management Plan for Hilmar Drain @ Central Ave. In July 2008, upstream monitoring was conducted at two locations; Hilmar Drain @ Mitchell Ave (drains area to the west) and Reclamation Drain @ Williams Ave (drains area to the north) to test for *Selenastrum* toxicity, ammonia, nitrate and copper. Two samples were analyzed for diuron during the month of April as part of the Management Plan (April 22 and 29). *Selenastrum* toxicity occurred in samples collected at Hilmar Drain @ Central Ave in April and September and at the upstream Management Plan monitoring site (Hilmar Drain @ Mitchell) in July (Table 46). Samples collected on April 22 contained 0.23 µg/L of diuron which is below the laboratory reporting limit and is therefore an estimated concentration. Copper was also detected in the sample at a concentration (4.3 µg/L) below the WQTL. PUR data include applications of pesticides that could have contributed to the April toxicity, including copper, carfentrazone-ethyl and MCPA. During the April 29, 2008 resample event, diuron samples were also collected as part of the EJSWQC Management Plan. There was a detection of diuron on April 29 coinciding with the resample toxicity to *Selenastrum* (diuron = 3.43 µg/L, *Selenastrum* = 59% growth as compared to the control). The EC<sub>50</sub> of diuron to *Selenastrum* is 2.4 µg/L (ECOTOX website), indicating that the diuron was present at toxic levels. PUR data include one application of diuron in 2008 prior to the April 29 toxicity. On February 7, 16.1 gallons of diuron were applied on 43 acres of alfalfa. On July 22, samples were tested for *Selenastrum* toxicity at Hilmar Drain @ Central Ave, Hilmar Drain @ Mitchell Ave and Reclamation Drain @ Williams Ave. Only samples from Mitchell Ave were

toxic to *Selenastrum* (70% growth as compared to the control). Samples were also tested for copper with 5.5 µg/L, 5.9 µg/L and 10 µg/L detected for Hilmar Drain @ Central Ave, Hilmar Drain @ Mitchell Ave and Reclamation Drain @ Williams Ave, respectively. None of the copper concentrations were above the WQTL. The last copper application reported occurred on March 13 on 15 acres of almonds. PUR data from the Hilmar Drain @ Mitchell Rd site includes 59 applications of pesticides that may have contributed to the toxicity. Pesticides applied include glyphosate, oxyfluorfen, carfentrazone-ethyl, glyphosate, 2,4-d, nicosulfuron, rimsulfuron, halosulfuron-methyl, dicamba, 3,6-dichloro-o-anisic acid, paraquat dichloride and sethoxydim. On September 23 both the grab and field duplicate samples were toxic to *Selenastrum* (73% and 83% growth as compared to the control). The resample collected on September was also toxic (75% growth as compared to the control). During the September toxicity events, there were no metal or pesticide exceedances (Table 46). Metals detected at concentrations below the WQTL include arsenic, boron, cadmium, copper, lead, nickel, selenium and zinc. All of these metals were detected at low concentrations not known to have an effect on algae. PUR data include one application each of glyphosate and 3,6-dichloro-o-anisic acid. *Selenastrum* toxicity has been addressed in the Site Subwatershed Management Plan for Hilmar Drain.

Sediment toxicity to *Hyalella* occurred in samples collected on August 28, 2008 (Table 46), resulting in complete mortality. Resampling occurred at the site on October 2, 2008, and again resulted in complete mortality of *Hyalella*. Sediment toxicity occurred during two previous sampling events, during the 2008 storm season (March 4, 2008) and the 2005 irrigation season (September 21, 2005). Sediment samples are not analyzed for pesticides or metals; however there was one exceedance of DDE in water samples collected one week prior to sediment sampling (0.0056 µg/L). DDE is a breakdown product of the organochlorine, DDT and has a high tendency to bind to sediment. As a result, DDE in the water column is an indication that DDE may be concentrated in the drain sediment. There were also metals in the August water samples at concentrations similar to those detected in other events. Metals also have a tendency to bind to organic matter and these detections in the water column are an indication of the existence of metals in the drain sediment. Pesticides applied in the site subwatershed that may have contributed to this sediment toxicity include lambda-cyhalothrin, esfenvalerate, bifenthrin, chlorpyrifos, spiromesifen, paraquat dichloride, oxyfluorfen, propargite and glyphosate. *Hyalella* toxicity has not yet been addressed in a Management Plan for the Hilmar Drain site. The toxicity experienced during the 2008 monitoring seasons will be addressed in the ESJWQC Management Plan update.

Detections of diuron in the drain have occurred in the past in April and June of 2007. As part of the ESJWQC Management Plan, additional monitoring was conducted at Hilmar Drain @ Central on April 29 and June 3 for diuron. The only exceedance of diuron occurred during the April 29, 2008 Management Plan sampling event (Table 46). Diuron is a broad spectrum, carbamate herbicide, commonly applied for weed control on alfalfa and walnuts, among others crops. Diuron is also used for weed control on state highway rights of way (<http://pesticideinfo.org/>). Applications typically occur as a preemergent in the spring. As mentioned above, PUR data indicate that the most recent application of diuron prior to the April 29, 2008 exceedance occurred on February 7, 2008. Sixteen gallons of active ingredient were applied across 43 acres of alfalfa within the Hilmar Drain site subwatershed. Diuron is included in the Site Subwatershed Management Plan for Hilmar Drain as a priority C constituent. Diuron is highly

toxic to *Selenastrum*, and toxicity was detected in the samples from the April 29, 2008 event, as described above.

One exceedance of the DDE WQTL occurred in Hilmar Drain during the August 19, 2008 sampling event (Table 46). The WQTL for DDE is below the laboratory reporting limit; therefore any detection of the pesticide in sample water is considered an exceedance. Due to its long half-life, DDT and its breakdown products, DDD and DDE, are still found in Coalition water bodies. DDT is not currently applied by agriculture; therefore PUR data are not available for this detection. If DDE is detected in the Hilmar Drain again, then the exceedances will be addressed in the ESJWQC Management Plan.

As part of the Site Subwatershed Management Plan, upstream monitoring for nitrate occurred at the Hilmar Drain @ Mitchell Rd and Reclamation Drain @ Williams Ave on July 22, 2008. Nitrate was detected above exceedance levels in samples collected from Hilmar Drain @ Central Ave in May, July, and September (Table 46). An exceedance of the nitrate WQTL occurred at the upstream Management Plan site, Hilmar Drain @ Mitchell Ave, but not at the Reclamation Drain @ Williams Ave location. Nitrate exceedances are common in the Hilmar Drain during summer irrigation months, and were experienced during most irrigation monitoring events in 2006 and 2007. Potential sources of nitrates in surface waters include runoff of fertilizers or organic matter from irrigated pasture, leaking septic systems, waste-treatment facility effluent, and inputs from dairies. These sources can move to surface waters through surface water runoff or shallow subsurface flows. Almost half of the Hilmar Drain site subwatershed is made up of pasture land or dairies and runoff containing animal waste upstream of the sample site could be the source of nitrate in the drain. Upstream sampling may aid the Coalition in determining the source of the nitrate exceedances and focusing outreach to those growers. Additional information on nitrate and possible sources is described under *Constituent Specific Analyses/Special Studies* below. It is not certain which source is responsible for these exceedances. Hilmar Drain nitrate exceedances will be discussed further in the ESJWQC Management Plan update.

Exceedances of the *E. coli* WQTL occurred during three of the irrigation monitoring events at this site on May 20, June 17 and July 22, 2008 (Table 46). Possible sources of *E. coli* in the drain include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. As mentioned above, a large portion of farmland in the upstream subwatershed is designated for dairies or pasture. It may be that irrigation runoff from these lands is contributing to the *E. coli* in the drain. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* has been addressed in the Site Subwatershed Management Plan for Hilmar Drain.

Exceedances of the TDS and SC WQTLs occurred at least once from April to September (Table 46). TDS was not measured at the upstream Management Plan site, however SC was measured in the field above the WQTL during every visit. Measurements of SC and concentrations of TDS at this site have been consistently elevated since monitoring was initiated. Sources of SC in Coalition water bodies are further discussed under *Constituent Specific Analyses/Special Studies*, below. These constituents are also addressed in the Site Subwatershed Management Plan for Hilmar Drain.

Exceedances of the DO WQTL occurred on April 29 and August 28 at Hilmar Drain @ Central Ave (Table 46). DO exceedances also occurred at Hilmar Drain @ Mitchell Ave on July 22 and 29 (Table 46). DO exceedances have occurred in the drain four times prior to the 2008 irrigation monitoring season. Three of those exceedances occurred during the 2005 and 2006 irrigation seasons, and the fourth exceedance occurred during the storm season of 2008. A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO is currently addressed in the Site Subwatershed Management Plan for Hilmar Drain @ Central Ave.

### Livingston Drain @ Robin Ave

**Table 47. Livingston Drain @ Robin Ave sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	pH	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>E. coli</i> , MPN/100 ml	Copper*, µg/L	Nitrate, µg/L	Chlorpyrifos, µg/L
Livingston Drain @ Robin Ave	4/22/2008	NM		58				
Livingston Drain @ Robin Ave	4/29/2008	RS		63				
Livingston Drain @ Robin Ave	5/20/2008	NM	8.79	62				
Livingston Drain @ Robin Ave	5/27/2008	RS	8.68					
Livingston Drain @ Robin Ave	6/3/2008	MPM	8.54					
Livingston Drain @ Robin Ave	6/17/2008	NM	8.97			45 (13)	11	
Livingston Drain @ Robin Ave	6/17/2008	FD					11	0.23
Livingston Drain @ Robin Ave	7/8/2008	MPM	8.97			110 (5.7)		
Livingston Drain @ Robin Ave	7/22/2008	NM			440	17 (16.9)		0.025
Livingston Drain @ Robin Ave	8/19/2008	NM						
Livingston Drain @ Robin Ave	8/28/2008	Sediment	8.67					
Livingston Drain @ Robin Ave	9/9/2008	MPM	8.72					
Livingston Drain @ Robin Ave	9/23/2008	NM	9.02					

FD – field duplicate; NM – normal monitoring; MPM – Management Plan monitoring; RS – Resample ; Sediment – Sediment Monitoring

\*WQTL based on hardness and shown in parenthesis

Water column toxicity to *Selenastrum* occurred in samples collected during the April and May sampling events (Table 47). Prior to this irrigation season, one sample tested toxic to *Selenastrum* on February 26, 2008. There were no exceedance level concentrations of any pesticides or metals during the April or May sampling events. Metals that were detected below the WQTL during both of these events were arsenic, boron, copper, lead, nickel, selenium and zinc. All of these metals were detected at low concentrations not known to have an effect on algae. Copper in the sample water collected on April 22 and May 20, 8.7 µg/L and 7.1 µg/L, respectively, may have contributed to the toxicity. In samples collected on May 20, there was also a small amount of simazine (1.0 µg/L). The EC<sub>50</sub> of simazine for *Selenastrum* is 100 µg/L

(ECOTOX, Ref#56747). PUR data include applications of pesticides that may be relevant to the toxicity events, including copper, 1,3-dichloropropene, 2,4-d, carfentrazone-ethyl, glufosinate-ammonium, glyphosate, norflurazon, oxyfluorfen, paraquat dichloride, pendimethalin, potassium n-methyldithiocarbamate, rimsulfuron and simazine. *Selenastrum* toxicity has not yet been addressed in a management plan for Livingston Drain. Toxicity exceedances from the 2008 irrigation season will be included in the ESJWQC Management Plan update.

Chlorpyrifos was detected at exceedance concentrations during the June 17 and July 22, 2008 monitoring event (Table 47). Chlorpyrifos is highly toxic to *Ceriodaphnia dubia*, however there was no toxicity detected in these samples. PUR data indicate that within one month prior to the June 17 exceedance, 290 pounds of chlorpyrifos were applied on 65 acres of sweet potatoes. During the month prior to the July 22 exceedance, there were two applications of chlorpyrifos that occurred on 38 acres of almonds (the first application included 1152 ounces of product and the second, 40 quarts). Previous chlorpyrifos exceedances occurred in samples collected for the first storm sampling event on January 24, 2008 and in samples collected during the 2007 irrigation season on August 14, 2008. Chlorpyrifos has not yet been addressed in a management plan for Livingston Drain, but will be included in the ESJWQC Management Plan update.

As per the ESJWQC Management Plan, additional monitoring for copper occurred at Livingston Drain @ Robin Ave in May, June, July and September. Copper was detected above the WQTL in samples collected in June and July (Table 47). Exceedances of the copper WQTL occurred in almost all samples collected at this site prior to this event, including the 2007 irrigation season and the 2008 storm season. The highest concentrations measured at this site occurred in samples collected in the early 2007 irrigation season (May 15, 2007) and the second 2008 storm event (February 26, 2008). Copper concentrations were identical for each sampling event (18 µg/L). PUR data indicate one copper application that occurred on March 25, in which 50 lbs of product (Nordox 75 WG) was applied to 40 acres of wine grapes. There were no agricultural applications of copper after March 25 (prior to the June and July exceedances). There are a number of possible sources of copper in water bodies within the Coalition region, and these exceedances may be a result of drain inputs other than agriculture. Copper is commonly applied by dairies and can also become available to water bodies through the weathering of rocks and soils that naturally contain metals. Automobile components may also contain copper and wearing of brakes can add substantial amounts of copper to surface waters that pass through or near urban areas. Copper is a priority C constituent in the Site Subwatershed Management Plan for Livingston Drain.

The WQTL for nitrate was exceeded for the first time at the Livingston Drain site in samples collected on June 17, 2008 (Table 47). Nitrate was detected at 11 µg/L in both the grab and field duplicate samples. Potential sources of nitrates in surface waters include runoff of fertilizers or organic matter from irrigated pasture, leaking septic systems, waste-treatment facility effluent, and inputs from dairies. Additional information on sources of nitrate in the Coalition region is described below under *Constituent Specific Analyses/Special Studies*. The Livingston Drain site drains only a small portion of land (approximately 69 irrigated acres), however, a pasture is located adjacent to the sample site. Runoff from the pasture could be the source of nitrate in the drain either through direct runoff or through movement in shallow

ground water. If additional nitrate exceedances occur at this site, then the exceedances will be addressed in the Coalition Management Plan.

One exceedance of the *E. coli* WQTL occurred during the July 22, 2008 monitoring event (Table 47). Prior to this exceedance, *E. coli* was detected above the WQTL only during the January 24, 2008 monitoring event. Possible sources of *E. coli* in the drain include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. As mentioned above, a pasture is located just adjacent to the sample site along Livingston Drain. It may be that irrigation runoff from this land is contributing to the *E. coli* in the drain. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* has not yet been addressed in the Site Subwatershed Management Plan for Livingston Drain. However, as a result of the second exceedance, this constituent will be addressed in the ESJWQC Management Plan update.

Exceedances of the pH WQTL were detected above the upper WQTL during the majority of irrigation monitoring events at this site (Table 47). Exceedances of the pH WQTL occurred three times during the 2007 irrigation season. It is uncertain what factors may be involved in the persistently elevated pH levels in the Livingston Drain. A discussion of parameters that may affect pH in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. The Site Subwatershed Management Plan for Livingston Drain @ Robin Ave addresses pH as a priority E constituent.

### Merced River @ Santa Fe

**Table 48. Merced River @ Santa Fe sample site - 2008 Irrigation season exceedance.**

Site Name	Sample Date	Sample Type	DO, mg/L
Merced River @ Santa Fe	4/22/2008	NM	6.06

NM – normal monitoring

DO was the only constituent for which there was an exceedance of the WQTL at the Merced River @ Santa Fe sample site during the 2008 irrigation season. During the first irrigation monitoring event, DO was 6.06 mg/L (Table 48). Low DO occurred at this site previously during sampling on June 14, 2006. It is apparent that low DO is not a persistent problem at the Merced River site. A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO is not included in the Site Subwatershed Management Plan for Merced River @ Santa Fe. As a result of the second exceedance, DO will be addressed in the ESJWQC Management Plan update.

## Miles Creek @ Reilly Rd

**Table 49. Miles Creek @ Reilly Rd sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Copper*, µg/L	Lead*, µg/L	Chlorpyrifos, µg/L
Miles Creek @ Reilly Rd	4/29/2008	NM		25					
Miles Creek @ Reilly Rd	5/7/2008	RS		51					
Miles Creek @ Reilly Rd	5/27/2008	NM				>2400			
Miles Creek @ Reilly Rd	6/24/2008	NM	4.76						
Miles Creek @ Reilly Rd	7/29/2008	NM	5.34				7.5 (4.6)	1.7 (1.1)	0.021
Miles Creek @ Reilly Rd	7/29/2008	FD				250	7.9 (5.5)	1.6 (1.5)	0.017
Miles Creek @ Reilly Rd	8/5/2008	MPM	6.93						
Miles Creek @ Reilly Rd	8/26/2008	NM	5.86				7.5 (6.7)	2 (1.95)	0.042
Miles Creek @ Reilly Rd	8/28/2008	Sediment	5.33		95				
Miles Creek @ Reilly Rd	8/28/2008	Sediment FD			91				
Miles Creek @ Reilly Rd	9/30/2008	MPM	6.34						
Miles Creek @ Reilly Rd	10/2/2008	RS			91				

FD – field duplicate; NM – normal monitoring; RS – Resample; Sediment – Sediment Monitoring; MPM – Management Plan monitoring

\*WQTL based on hardness and shown in parenthesis

Water column toxicity to *Selenastrum* occurred in samples collected on April 29, 2008 (25% growth as compared to the control, Table 49). Resampling for toxicity occurred one week later, on May 7, and toxicity was experienced again. Prior to this irrigation season, one sample tested toxic to *Selenastrum*, on June 26, 2007. There were no exceedance level concentrations of any pesticides or metals during the April toxicity event. Phase III TIE analysis indicated that paraquat, copper and zinc were present at toxic concentrations (paraquat = 0.1 TUC, total metals = 0.8 TUC, Appendix VI). PUR data include 41 applications of pesticides relevant to the *Selenastrum* toxicity, including amino ethoxy vinyl glycine hydrochloride, bromoxynil heptanoate, bromoxynil octanoate, carfentrazone-ethyl, glufosinate-ammonium, glyphosate, nicosulfuron, oxyfluorfen, paraquat dichloride and sethoxydim. *Selenastrum* toxicity has not yet been addressed in the Site Subwatershed Management Plan for Miles Creek @ Reilly Rd. As a result of the second exceedance, *Selenastrum* toxicity will be included in the ESJWQC Management Plan update.

Sediment toxicity to *Hyalella* occurred in samples collected on August 28, 2008 (Table 49). *Hyalella* survival was 95% of the control (91% in the field duplicate sample), indicating a statistically significant difference between the sample and the control. The survival in the sample was greater than 80% and the toxicity is not considered ecologically relevant. Resampling occurred at the site on October 2, 2008, and again resulted in toxicity to *Hyalella* (91% survival compared to the control). Sediment toxicity occurred once at this site prior to this sampling event during the 2007 irrigation season (August 23, 2007). Sediment samples are not analyzed for pesticides or metals, however exceedances of chlorpyrifos, copper and lead

occurred in water samples collected one week prior to sediment sampling (Table 49). Detections of these constituents in the sample water may be an indication of levels in the sediment, particularly for those constituents that have a tendency to bind to sediment. Metals have a high tendency to bind to sediment, and the properties of chlorpyrifos allow the constituent to both bind to sediment and dissolve in the water column (estimates of  $K_{oc}$  ranging from below 1000 to 6040), [www.wsi.nrcs.usda.gov/products/w2q/pest/data/aidata.xls](http://www.wsi.nrcs.usda.gov/products/w2q/pest/data/aidata.xls)). PUR data indicate 119 applications of pesticides that may have contributed to the toxicity at this site. The active ingredients applied include permethrin, cyfluthrin, esfenvalerate, (s)-cypermethrin, lambda-cyhalothrin, bifenthrin, paraquat dichloride, clofentezine, azoxystrobin, chlorpyrifos, and indoxacarb. *Hyalella* toxicity has not yet been addressed in the Site Subwatershed Management Plan for Miles Creek @ Reilly Rd; however, as a result of the exceedance during the 2008 monitoring season, *Hyalella* toxicity will be addressed in the ESJWQC Management Plan update.

Chlorpyrifos was detected at concentrations above the WQTL during the July 29 and August 26, 2008 monitoring events (Table 49). Chlorpyrifos is toxic to *Ceriodaphnia dubia*, however there was no toxicity detected in either of these samples. PUR data for the Miles Creek @ Reilly Rd site subwatershed indicate that during the 2008 irrigation season, applications of chlorpyrifos began in mid-June and continued through August. Eight applications occurred within one month prior to the July 29, 2008 exceedance during which time 148 gallons of product were applied to 592 acres of corn, alfalfa and almonds. Ten applications occurred within one month prior to the August 26, 2008 exceedance, when 83 gallons of product were applied to 511 acres of alfalfa, almonds and walnuts. Prior to 2008, one chlorpyrifos exceedance occurred in samples collected on September 18, 2007. Chlorpyrifos is not addressed in Site Subwatershed Management Plan for this site and will be included in the ESJWQC Management Plan update.

Copper and lead were also detected above their respective WQTLs (calculated based on hardness) in samples collected on July 29 and August 26, 2008 (Table 49). Previous exceedances of the copper WQTL occurred during both of the 2008 storm season events and three of the six 2007 irrigation season events (May 29, June 26 and August 21, 2007). The highest detection measured at this site occurred during the second storm season event in February 2008 (34 µg/L). As a result of previous copper exceedances, Miles Creek was sampled twice during May, June and August of 2008 as part of the ESJWQC Management Plan monitoring. Exceedances during the irrigation season of 2008 occurred only during July and August sampling. Prior exceedances of lead also occurred during the two 2008 storm monitoring events and during the June 26, 2007 irrigation monitoring event. Lead is not applied by agricultural, however copper is an active ingredient in a number of fungicides used on a variety of crops in the Coalition region. PUR data indicate that the most recent prior applications reported were in January 2008. Copper exceedances were addressed as a priority C constituent in the Site Subwatershed Management Plan for Miles Creek @ Reilly Rd; 2008 exceedances will be further discussed in the ESJWQC Management Plan update.

DO was measured below the WQTL at this site during all sampling events between June and August of 2008. There were no exceedances of the DO WQTL prior to these events at the Miles Creek site. A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO has not yet been addressed in the Site

Subwatershed Management Plan for this site, but will be included in the ESJWQC Management Plan update.

### Prairie Flower Drain @ Crows Landing Rd

**Table 50. Prairie Flower Drain @ Crows Landing Rd NM and Prairie Flower Drain @ Morgan Rd MPM- 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	SC, µS/cm	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	TDS, mg/L	Ammonia, mg/L	Nitrate, µg/L	Chlorpyrifos, µg/L	Dimethoate, µg/L	Malathion, µg/L
Prairie Flower Drain @ Morgan Rd	4/22/2008	MPM	3.29	2574						35			
Prairie Flower Drain @ Crows Landing Rd	4/22/2008	NM		2548	29		370	1700	23				
Prairie Flower Drain @ Crows Landing Rd	4/29/2008	RS	5.44	1739	56								
Prairie Flower Drain @ Morgan Rd	5/20/2008	MPM	1.17	2026					22				
Prairie Flower Drain @ Crows Landing Rd	5/20/2008	NM		2526	61		610	1600	26				
Prairie Flower Drain @ Crows Landing Rd	5/27/2008	RS		2273	88								
Prairie Flower Drain @ Morgan Rd	6/17/2008	MPM		2893					30				
Prairie Flower Drain @ Crows Landing Rd	6/17/2008	NM		2049			1300	1200	2.1	19			
Prairie Flower Drain @ Morgan Rd	7/22/2008	MPM	2.76	1417									
Prairie Flower Drain @ Crows Landing Rd	7/22/2008	NM	2.51	1012			250	620	11			2.7	
Prairie Flower Drain @ Morgan Rd	8/19/2008	MPM	3.63	1300					20				
Prairie Flower Drain @ Crows Landing Rd	8/19/2008	NM	4.93	956			440	610	13	0.024		0.12	
Prairie Flower Drain @ Crows Landing Rd	8/28/2008	Sediment		1114		90							
Prairie Flower Drain @ Morgan Rd	9/23/2008	MPM	3.3	2675					29				
Prairie Flower Drain @ Crows Landing Rd	9/23/2008	NM		2525				1800	33				
Prairie Flower Drain @ Crows Landing Rd	10/2/2008	Sediment RS		2449		86							

NM – normal monitoring; MPM – Management Plan monitoring; RS – Resample ; Sediment – Sediment Monitoring

Water column toxicity to *Selenastrum* occurred in samples collected on April 22 and May 20, 2008 at the Prairie Flower Drain @ Crows Landing Rd site (Table 50). Resampling occurred one week after each of these toxicity events, on April 29 and May 27, and toxicity was experienced again in both of the resamples. Samples collected during the 2008 storm season (during both events) also tested toxic to *Selenastrum*. Prior to 2008, one sample from this site tested toxic to *Selenastrum* on May 15, 2007. There were no detections of exceedance level concentrations of any pesticides or metals in any of these samples. Metals detected below the WQTL concentrations during these events were arsenic, boron, cadmium, copper, lead, nickel, selenium and zinc. Phase III TIE analysis indicates that copper, nickel and zinc were present at toxic concentrations (total metals = 1.3 TUC, Appendix VI). PUR data include only two applications of relevant pesticides within one month prior to the initial toxicity on April 22. One of these applications was 1674 gallons of potassium n-methyldithiocarbamate applied across 279 acres of processing tomatoes. Also known as metam potassium, this product is used as a fumigant, fungicide, microbiocide, algacide and nematicide on a variety of crops in California. It is not certain whether this product was responsible for the *Selenastrum* toxicity on April 22, or those experienced thereafter; the Coalition does not currently analyze for fungicides. Two

additional applications of the same quantity of metam potassium were applied on April 22, 2008. Between April 22 and May 27, 2008 there were 24 applications of other pesticides relevant to *Selenastrum* toxicity. The active ingredients of these pesticides include nicosulfuron, halosulfuron-methyl, dicamba, glyphosate, foramsulfuron, and rimsulfuron. *Selenastrum* toxicity has not yet been addressed in the management plan for Prairie Flower Drain @ Crows Landing Rd. As a result of the 2008 storm and irrigation exceedances *Selenastrum* toxicity will be included in the next ESJWQC Management Plan update.

Sediment toxicity to *Hyalella azteca* occurred in samples collected on August 28, 2008 (Table 50). Survival in the sample water was 90% of the control, indicating a level of toxicity in the sediment below the LC<sub>50</sub> for *Hyalella*. Resampling occurred at the site on October 2, 2008, and again resulted in toxicity to *Hyalella*. Prior to this event, sediment toxicity occurred in samples collected during the 2005 and 2007 irrigation seasons. Sediment samples are not analyzed for pesticides or metals, however each of the sediment toxicities that occurred at this site were preceded by (or in close proximity to) exceedance level detections of chlorpyrifos in sample water. During the 2008 Irrigation season, there were exceedances of both chlorpyrifos (0.024 µg/L) and malathion (0.012 µg/L). Chlorpyrifos is moderately soluble, with estimates of K<sub>oc</sub> ranging from under 1000 to 6040, making the constituent capable of dissolving in the water column or binding to sediment. Malathion, is more soluble and less likely to bind to sediment. PUR data includes 47 applications of various active ingredients that have the potential to cause *Hyalella* toxicity including bifenthrin, chlorpyrifos, esfenvalerate, glyphosate, lambda-cyhalothrin and spiromesifen. *Hyalella* toxicity is a priority D constituent in the management plan for Prairie Flower Drain.

Chlorpyrifos was detected at exceedance levels during the August 19, 2008 monitoring event (Table 50). PUR data for the Prairie Flower Drain @ Crows Landing Rd site subwatershed is provided in Appendix IV. There have been three previous chlorpyrifos exceedances. Two exceedances occurred on August 17 and September 21 2005, and one exceedance occurred on August 28, 2007. Exceedances in August appear to correlate with the amount of active ingredient applied in the site subwatershed, which is greatest during the month of August (refer to the Prairie Flower Drain Site Subwatershed Management Plan). PUR data include two applications on July 25 and four applications on August 5 on corn. Chlorpyrifos is a priority A constituent in the Site Subwatershed Management Plan for Prairie Flower Drain.

One exceedance of the malathion WQTL also occurred in samples collected during the August 19, 2008 monitoring event (Table 50). Malathion is an organophosphate insecticide that is predominantly used on alfalfa, field crops, walnuts, and for structural pest control (in California). Malathion is also known to be toxic to *Ceriodaphnia dubia*, however as mentioned above there was no toxicity in these samples. This was the first detection of malathion in the Prairie Flower Drain. There were no applications of malathion one month prior to the sample date; the most recent application was on March 5, 2008 on alfalfa. If there are additional exceedances of malathion at this site, then the exceedances will be addressed in the ESJWQC Management Plan.

One exceedance of the dimethoate WQTL occurred in a sample collected during the July 22, 2008 monitoring event (Table 50). Dimethoate is an organophosphate insecticide that is

predominantly used in California on alfalfa, tomatoes, oranges, and corn. Like chlorpyrifos and malathion, dimethoate is known to be toxic to *Ceriodaphnia dubia*, however, there was no toxicity in these samples. This exceedance was the first of dimethoate in the Prairie Flower Drain. PUR data indicate 17 applications occurring between July 1 and July 21, 2008. Approximately 110 gallons of dimethoate were applied on 895 acres of corn and processing tomatoes. If there are additional exceedances of dimethoate at this site, then the exceedances will be addressed in the ESJWQC Management Plan.

One exceedance of the ammonia WQTL occurred in samples collected from the Prairie Flower Drain @ Crows Landing Rd on June 17, 2008 (Table 50). Ammonia can enter a water body through two sources, direct discharge from agricultural fertilizers or animal waste, or from discharges from waste water treatment plants. Additionally, ammonia can be generated in the stream as a result of the breakdown of organic nitrogen. Possible sources of ammonia in Coalition water bodies are described below, under *Constituent Specific Analyses/Special Studies*. There are no waste water inputs to Prairie Flower Drain, however there are several dairies upstream of the sample site that may have contributed to this exceedance. Ammonia has been detected at exceedance concentrations once prior to this event, on July 13, 2007. As a result, ammonia exceedances will be addressed in the next ESJWQC Management Plan update.

Exceedances of the nitrate WQTL were experienced in all samples analyzed for this constituent during the irrigation season (Table 50). Upstream monitoring for nitrate at the Prairie Flower Drain @ Morgan Rd occurred during every sampling event and exceedances were detected above the WQTL in all samples except those collected on July 22, 2008. Nitrate was detected at a concentration of 0.053 µg/L during this event. Potential sources of nitrates in surface waters include runoff of fertilizers or organic matter from irrigated pasture, leaking septic systems, waste-treatment facility effluent, and inputs from dairies. Additional information on sources of nitrates is provided under *Constituent Specific Analyses/Special Studies*. As mentioned previously, a large portion of the Prairie Flower Drain site subwatershed is made up of pasture land or dairies, and runoff containing animal waste upstream of the sample site could be the source of nitrate in the drain. Nitrate has been addressed in the Site Subwatershed Management Plan for Prairie Flower Drain as a priority D constituent.

Exceedances of the *E. coli* WQTL also occurred in all samples analyzed for this constituent during the irrigation season (Table 50). There was no upstream monitoring for *E. coli* at the Prairie Flower Drain @ Morgan Rd site. Possible sources of *E. coli* in the drain include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids and liquid dairy waste, and a large array of wildlife. Irrigation runoff from pasture land or dairies may be contributing to the *E. coli* in the drain. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* has been addressed in the Site Subwatershed Management Plan for Prairie Flower Drain as a priority E constituent.

Exceedances of the TDS and SC WQTLs also occurred in all samples (Table 50). TDS was not measured at the upstream Management Plan site; however during each sampling event SC was measured above the WQTL. TDS describes all solids (usually mineral salts) that are dissolved in water and are frequently associated with exceedances of SC. Potential sources of TDS and SC

are minerals leached from soils by upstream surface water and ground water, or drain water from irrigated agriculture. Sources of SC and TDS in Coalition water bodies are described further under *Constituent Specific Analyses/Special Studies*. Measurements of SC and TDS at this site have been consistently high since monitoring was initiated. These constituents are addressed in the Site Subwatershed Management Plan for Prairie Flower Drain as priority E constituents.

Exceedances of the DO WQTL occurred during eight of the 16 irrigation season sampling events at the Prairie Flower Drain sites (Table 50). Similar concentrations of DO were measured during previous irrigation seasons, and only one DO measurement has fallen below the WQTL during storm season monitoring (March 22, 2005). A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO is a priority E constituent in the Site Subwatershed Management Plan for Prairie Flower Drain.

### Silva Drain @ Meadow Dr

**Table 51. Silva Drain @ Meadow Dr sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	pH	<i>Ceriodaphnia dubia</i> , Survival: % of Control	<i>Pimephales promelas</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	Ammonia, mg/L	Copper*, µg/L	Lead*, µg/L	Chlorpyrifos, µg/L
Silva Drain @ Meadow Dr	4/22/2008	NM	5.02						4.1			
Silva Drain @ Meadow Dr	5/20/2008	NM	0.7									
Silva Drain @ Meadow Dr	6/17/2008	NM				82		>2400	13	68 (27)		
Silva Drain @ Meadow Dr	7/8/2008	MPM	1.38									
Silva Drain @ Meadow Dr	7/22/2008	NM	2.1		0			410				0.43
Silva Drain @ Meadow Dr	7/22/2008	FD			0			650				0.41
Silva Drain @ Meadow Dr	7/29/2008	RS	5.96		20							
Silva Drain @ Meadow Dr	8/5/2008	MPM	3.37									0.021
Silva Drain @ Meadow Dr	8/19/2008	NM	3.73					1400		20 (6.9)	3 (2.02)	0.023
Silva Drain @ Meadow Dr	8/28/2008	Sediment	3.32				85					
Silva Drain @ Meadow Dr	9/23/2008	NM	6.19					310	3	15 (4.4)		
Silva Drain @ Meadow Dr	10/2/2008	Sediment RS	6.11	8.51			91					

FD – Field Duplicate; NM – normal monitoring; MPM – Management Plan monitoring; RS – Resample; Sediment – Sediment Monitoring

\*WQTL based on hardness and shown in parenthesis

Water column toxicity to *Ceriodaphnia dubia* occurred in samples collected on July 22, 2008 at the Silva Drain @ Meadow Dr site (Table 51). Complete mortality occurred in the environmental sample as well as the field duplicate sample at this site. Chlorpyrifos was also detected in samples collected during the same event at 0.43 µg/L. A dilution series and TIE was conducted on these samples. The dilution series resulted in 5.2 acute toxic units, and the results of the TIE indicated that the source of toxicity was an organophosphate pesticide (such as chlorpyrifos). Phase III TIE analysis indicates that chlorpyrifos accounted for all of the toxicity detected in the sample (chlorpyrifos = 5.4 TUA, Appendix VI). Resampling occurred one week later, on July 29 and toxicity was experienced again. The reoccurrence of toxicity is an

indication that the source of toxicity was persistent at that site. Prior to 2008, one sample tested toxic to *Ceriodaphnia* on August 9, 2006. That toxicity also corresponded to a chlorpyrifos exceedance at the site. PUR data indicate that there were three applications of chlorpyrifos reported during the months of June and July. In total, 4.38 gallons of chlorpyrifos were applied on 23 acres of almonds and corn between June 24 and July 18, 2008. There were no other applications of chlorpyrifos reported in the site subwatershed between January and October, 2008. Other relevant applications that occurred within the site subwatershed include the active ingredients, permethrin, esfenvalerate, paraquat dichloride, fluazifop-p-butyl and propargite. *Ceriodaphnia* toxicity has not yet been addressed in the management plan for Silva Drain @ Meadow Dr. As a result of the 2008 storm and irrigation exceedances *Ceriodaphnia* toxicity will be included in the next ESJWQC Management Plan update for this site.

Toxicity to *Pimephales* occurred in a sample collected from Silva Drain @ Meadow Dr (Table 51). The level of toxicity did not drop below 50% and therefore did not trigger a TIE. Follow-up sampling for toxicity occurred one week after the initial samples were collected and toxicity was not persistent at this site. Ammonia (13 mg/L) was detected in the Silva Drain @ Meadow Dr sample water during this event. *Pimephales* is known to be sensitive to ammonia in water, and it is likely that the toxicity detected at this site is due to the elevated level of ammonia. *E. coli* was also detected at this site at the highest concentration detectable (>2400 MPN/100mL), indicating that the source of ammonia may be dairy waste. There is irrigated pasture just adjacent to the sample site and dairies are also found upstream. Drainage water from the pasture is a possible source of fecal contamination at the sample site.

Sediment toxicity to *Hyalella* occurred in a sample collected on August 28, 2008 (Table 51). Survival was 85% of the control. Resampling occurred at the site on October 2, 2008, and again resulted in toxicity to *Hyalella*. Prior to this event, sediment toxicity occurred in samples collected on August 9 and September 6, 2006 (initial sample and resample). Sediment samples are not analyzed for pesticides or metals, however each of the sediment toxicities that occurred at this site were preceded by (or in close proximity to) exceedance level detections of chlorpyrifos in sample water. Chlorpyrifos is moderately soluble, with estimates of  $K_{oc}$  ranging from under 1000 to 6040, making the constituent capable of dissolving in the water column or binding to sediment. Detections of chlorpyrifos in the sample water may be an indication of levels in the drain sediment. Applications of chlorpyrifos during the 2008 irrigation season are described above, and all PUR data relevant to this toxicity are provided in Appendix IV. Other pesticides applied in the site subwatershed that may be relevant to sediment toxicity include permethrin, esfenvalerate, paraquat dichloride and spiromesifen. *Hyalella* toxicity is a priority D constituent in the Site Subwatershed Management Plan for Silva Drain @ Meadow Dr.

Chlorpyrifos was detected at exceedance concentrations during the July 22, August 5 (MPM) and August 19, 2008 monitoring events (Table 51). Chlorpyrifos is an organophosphate pesticide, commonly applied for pest control on alfalfa and orchard crops, among others. Samples collected during these events tested toxic to *Ceriodaphnia*. As mentioned previously, there were three applications of chlorpyrifos reported during the months of June and July, totaling 4.38 gallons of product applied on 23 acres of almonds and corn. There were no other applications of chlorpyrifos reported in the site subwatershed between January and October, 2008. There were chlorpyrifos exceedances on August 9, 2006, and July 17 and August 28, 2007

that were positively correlated with the quantity of applied pesticide in the site subwatershed (see the ESJWQC Management Plan). Chlorpyrifos has been addressed as a priority B constituent in the Site Subwatershed Management Plan for the Silva Drain site.

Copper was detected at exceedance level concentrations for the first time at this site on June 17, 2008 and again in samples collected on August 19 and September 23, 2008 (Table 51). Copper is commonly applied as a fungicide, algicide and pesticide throughout the Coalition region. Copper is known to contribute to the toxicity of *Selenastrum*, reducing growth of the algae, however algae toxicity did not occur during any of these events. Copper occurs as an active ingredient in pesticides such as copper, copper hydroxide, copper sulfate and copper sulfate pentahydrate. Copper can also become available to water bodies through the weathering of rocks and soils that naturally contain metals. Copper is found in automobile components and wearing of brakes and can move to surface waters that pass through or near roadways. Since copper does not degrade, it is possible that applications can cause exceedances several months after application. Only three applications of copper in the site subwatershed were reported between January and October, 2008. These occurred on January 4 and January 11, totaling 584 pounds of product applied on 103 acres of almonds. During the first four monitoring events there was no water flow measured in the drain, and during the August and September events flow was measured at 0.53 cfs and 0.14 cfs, respectively. As a result, the detections of copper in the drain may reflect concentrations localized in the drain sediment rather than those from active sources upstream. Exceedances of copper have not yet been addressed in the Site Subwatershed Management Plan for Silva Drain @ Meadow Dr. As a result of the 2008 irrigation exceedances, copper will be included in the next ESJWQC Management Plan update.

Lead was detected at exceedance level concentrations for the first time at this site during the fifth irrigation sampling event on August 18, 2008 (Table 51). An exceedance of the lead WQTL also occurred during this event. There were also detections of other metals (below the WQTL limits). Both the copper and lead exceedances had not occurred prior to the 2008 irrigation season. Metals in a water body have the tendency to bind to sediment and do not degrade. As a result, a variety of metals can accumulate in a stream bed over time from natural or anthropogenic sources. The concentrations of both lead and copper point to the possibility that mobilized sediment could be the source of these exceedances. Sediment can be mobilized as a result of disturbance; however the cause of mobilization during this event is unknown. Field sheet notes recorded in the field indicate that on the day of sampling the site water was brown and murky (<4 inches of visibility), with low flow (0.53 cfs), and that the stream bed substrate was mud. Additional information on sources of lead in the Coalition region are discussed in more detail below under *Constituent Specific Analyses/Special Studies*. Exceedances of lead have not yet been addressed in the Site Subwatershed Management Plan for Silva Drain @ Meadow Dr. As a result of the 2008 irrigation exceedance, lead will be included in the next ESJWQC Management Plan update.

Ammonia was detected at exceedance level concentrations for the first time at this site on April 22, 2008. Ammonia exceedances occurred again during the June 17 and September 23, 2008 events. Ammonia can enter a water body through two sources, direct discharge from agricultural fertilizers or animal waste, or from discharges from waste water treatment plants.

Additional information on sources of ammonia in the Coalition region can be found under *Constituent Specific Analyses/Special Studies*, below. There are no waste water inputs to Silva Drain, however runoff from pasture upstream of the sample site may have contributed to these exceedances. Exceedances of ammonia have not yet been addressed in the Site Subwatershed Management Plan for Silva Drain @ Meadow Dr. As a result of the 2008 irrigation exceedances, ammonia will be included in the next ESJWQC Management Plan update.

Exceedances of the *E. coli* WQTL occurred at this site during irrigation monitoring events on June 17, July 22, August 19 and September 23, 2008 (Table 51). Possible sources of *E. coli* in the drain include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. The Silva Drain site subwatershed consists of a small portion of land allocated for agricultural field crops and pasture. Irrigation runoff from pasture land may be contributing to the *E. coli* in the drain. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* has been addressed in the Site Subwatershed Management Plan for Silva Drain as a priority E constituent.

One exceedance of the pH WQTL occurred at this site during the sediment resample event on October 2, 2008 (Table 51). During this event, pH was measured at the site at 0.01 pH units above the upper WQTL. A discussion of parameters that may affect pH in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. Exceedances of pH have not yet been addressed in the management plan for Silva Drain @ Meadow Dr. As a result of the 2008 irrigation exceedance, pH will be included in the ESJWQC Management Plan update.

Exceedances of the DO WQTL occurred during all but one sampling event during the irrigation season at the Silva Drain site (Table 51). Exceedances of the DO WQTL have occurred throughout irrigation seasons since 2006, when monitoring began at this site. There have been no DO exceedances at this site during storm season events. A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO is a priority E constituent in the Site Subwatershed Management Plan for Silva Drain @ Meadow Dr.

### South Slough @ Quinley Rd

**Table 52. South Slough Quinley Rd sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>E. coli</i> , MPN/100 ml	Copper*, µg/L	Lead*, µg/L	Chlorpyrifos, µg/L
South Slough @ Quinley Rd	4/29/2008	NM	5.8	2	520			
South Slough @ Quinley Rd	6/24/2008	NM				4 (3.7)	0.85 (0.81)	
South Slough @ Quinley Rd	7/29/2008	NM						0.029

NM – normal monitoring

\*WQTL based on hardness and shown in parenthesis

Toxicity to *Selenastrum* occurred at this site in samples collected on April 29, 2008 (Table 52). Results from the TIE indicated that the majority of toxicity was caused by cationic metals, while non-polar organics may have been responsible for a portion of the toxicity. Follow-up re-sampling for toxicity occurred one week after the initial samples were collected and toxicity did not occur in the re-samples. There were no exceedance-level detections of pesticides or metals relevant to the toxicity in these samples. Low concentrations of metals were detected (below the WQTL). Phase III TIE analysis indicates that copper and zinc were present at toxic concentrations (total metals = 0.7 TUc) and unknown non-polar organics may be present in the sample (Appendix VI). It is possible that a constituent not tested by the Coalition is the cause of toxicity. PUR data show six applications of pesticides in the site subwatershed relevant to algae toxicity. Pesticides applied include copper hydroxide, s-metolachlor, glyphosate, oxyfluorfen and oryzalin. *Selenastrum* toxicity has not yet been addressed in the Site Subwatershed Management Plan for South Slough @ Quinley Rd. As a result of the toxicity during the 2008 irrigation season, this exceedance will be included in the ESJWQC Management Plan update.

Chlorpyrifos was detected at exceedance levels in samples from South Slough @ Quinley Rd for the first time during the July 29, 2008 monitoring event (Table 52). Chlorpyrifos is an organophosphate pesticide, commonly applied for pest control on alfalfa and orchard crops, among others. Chlorpyrifos is highly toxic to *Ceriodaphnia dubia*, however samples collected during this event did not result in toxicity. PUR data include three applications of chlorpyrifos occurring during the month of July, prior to the sampling event. All three applications occurred on July 20, when 51 gallons of product (Lorsban 4E-HF) were applied on 275 acres of corn. These were the only applications to occur between January and October, 2008. Chlorpyrifos has not been addressed in the Site Subwatershed Management Plan for South Slough. As a result of this exceedance, chlorpyrifos will be included in the ESJWQC Management Plan update.

One exceedance of the copper WQTL occurred at this site for the first time during the third irrigation monitoring event on June 24, 2008 (Table 52). Copper is commonly applied throughout the Coalition region and is considered an organic herbicide, fungicide, and algicide. Copper is known to contribute to the toxicity of *Selenastrum*. Copper active ingredients include copper, copper hydroxide, copper sulfate and copper sulfate pentahydrate. Copper can also become available to water bodies through the weathering of rocks and soils that naturally contain metals. Copper is found in automobile components and wearing of brakes can add substantial amounts of copper to surface waters that pass through or near urban areas. Since copper does not degrade, it is possible that applications can cause exceedances several months after application. PUR data indicate that there was no use of copper within three months prior to the exceedance. The most recent application occurred on February 29, 2008. This application amounted to 140 pounds of product applied on 35 acres of almonds. This is the only application of copper reported between January and October, 2008. Copper had not yet been addressed in the Site Subwatershed Management Plan for South Slough. Exceedances that occurred during the 2008 irrigation season will be included in the ESJWQC Management Plan update.

Lead was also detected at exceedance level concentrations for the first time at this site during the third irrigation season sampling event on June 24, 2008 (Table 52). Lead is not an active

ingredient in any currently applied pesticide and the detection in the Slough is likely a legacy of any number of anthropogenic or natural sources. Possible sources of lead in the Coalition region are discussed in more detail below under *Constituent Specific Analyses/Special Studies*. Metals in a water body have the tendency to bind to sediment and do not degrade. As a result, a variety of metals can accumulate in a stream bed over time, and can be remobilized into the water column. Sediment can be mobilized as a result of disturbance; however the cause of mobilization during this event is unknown. Field sheet notes indicate that on the day of sampling the site water was brown and murky (<4 inches of visibility), with moderate flow (8.49 cfs), and that the stream bed substrate was mud. Exceedances of lead have not yet been addressed in the Site Subwatershed Management Plan for South Slough. If additional exceedances of lead occur at this site, then the constituent will be included in the Site Subwatershed Management Plan.

One exceedance of the *E. coli* WQTL occurred during the first irrigation monitoring event at this site on April 22, 2008 (Table 52). Possible sources of *E. coli* in the drain include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids and liquid dairy waste, and a large array of wildlife. Land allocated to dairies and pasture is abundant in the South Slough site subwatershed. Irrigation runoff from these lands may be contributing to the *E. coli* in the slough. Sources of *E. coli* are described further below under *Constituent Specific Analyses/Special Studies*. *E. coli* has been addressed in the Site Subwatershed Management Plan for South Slough as a priority E constituent, and will further be addressed in the ESJWQC Management Plan update.

One exceedance of the DO WQTL occurred during the first irrigation season event on April 29, 2008 (Table 52). Exceedances of the DO WQTL also occurred throughout the 2007 irrigation season, but not during monitoring in 2006. There have been no DO exceedances at this site during storm season events. A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO is a priority E constituent in the Site Subwatershed Management Plan for South Slough.

### Westport Drain @ Vivian Rd

**Table 53. Westport Drain @ Vivian Rd sample site - 2008 Irrigation season exceedances.**

Site Name	Sample Date	Sample Type	DO, mg/L	SC, µS/cm	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	TDS, mg/L	Nitrate, µg/L	Chlorpyrifos, µg/L
Westport Drain @ Vivian Rd	4/22/2008	NM	4.44	1079	58		1000	750	23	
Westport Drain @ Vivian Rd	4/29/2008	RS	4.76	1106						
Westport Drain @ Vivian Rd	5/20/2008	NM	6.95	1084				720	23	
Westport Drain @ Vivian Rd	5/20/2008	FD						710	22	
Westport Drain @ Vivian Rd	6/17/2008	NM	5.43	1107			260	750	25	
Westport Drain @ Vivian Rd	7/22/2008	NM	5.02	1079			1000	760	25	0.016
Westport Drain @ Vivian Rd	8/19/2008	NM	3.59	1088			290	760	25	

Site Name	Sample Date	Sample Type	DO, mg/L	SC, µS/cm	<i>Selenastrum capricornutum</i> , Growth: % of Control	<i>Hyalella azteca</i> , Survival: % of Control	<i>E. coli</i> , MPN/100 ml	TDS, mg/L	Nitrate, µg/L	Chlorpyrifos, µg/L
Westport Drain @ Vivian Rd	8/28/2008	Sediment		1100						
Westport Drain @ Vivian Rd	8/28/2008	Sediment FD				94				
Westport Drain @ Vivian Rd	9/23/2008	NM		1097			750	27		
Westport Drain @ Vivian Rd	10/2/2008	Sediment RS		1093						

FD – Field Duplicate; NM – normal monitoring; RS – Resample ; Sediment – Sediment Monitoring

Toxicity to *Selenastrum* occurred in a sample collected on April 22, 2008 (58% growth compared to the control, Table 53). Follow-up sampling for toxicity occurred one week after the initial samples were collected and toxicity did not occur again in the re-samples. There were no exceedance level concentrations of pesticides or metals relevant to the toxicity in these samples. Metals were detected at low concentrations (below the WQTL) and it is possible that these detections combined may have contributed to algae toxicity including a copper detection of 2.7 µg/L (EC<sub>50</sub> = 30 µg/L, ECOTOX website). Since a TIE was not triggered, it is unknown what class of chemical is responsible for toxicity and it is possible that a non-polar organic not tested by the Coalition contributed to the toxicity. PUR data include 32 applications of pesticides that may be relevant to this toxicity which contain the active ingredients, copper hydroxide, 2,4-d, oxyfluorfen, paraquat dichloride, carfentrazone-ethyl and glyphosate. *Selenastrum* toxicity occurred in samples collected on May 15, 2007 and February 26, 2008 as well as in the resample on March 4, 2008. *Selenastrum* toxicity has not been addressed in the Site Subwatershed Management Plan for Westport Drain @ Vivian Rd. As a result of the toxicity experienced during the 2008 storm and irrigation seasons these exceedances will be included in the ESJWQC Management Plan update to be submitted April 1, 2009.

Sediment toxicity to *Hyalella azteca* occurred for the first time in the field duplicate sample collected on August 28, 2008 (Table 53). Survival in the sample water was 94% of the control, indicating a level of toxicity that is not ecologically relevant (>80% survival). In addition, the associated environmental sample had the same amount of survival as field duplicate sample; however, due to less variation between the replicates, the environmental sample was not significantly different from the control and therefore not toxic. Resampling was conducted on October 2, 2008, and there was no toxicity in the resample. Sediment samples are not analyzed for pesticides or metals, and in the water column there were no exceedance level detections of any pesticides or metals known to cause toxicity. PUR data include 61 applications of pesticides that may be relevant to *Hyalella* toxicity which contain the active ingredients, lambda-cyhalothrin, fenpropathrin, esfenvalerate, bifenthrin, permethrin, glyphosate, oxyfluorfen, chlorpyrifos and paraquat dichloride. If *Hyalella* toxicity is experienced again at this site, the toxicity will be addressed in the Site Subwatershed Management Plan for Westport Drain.

Chlorpyrifos was detected above the exceedance level concentration in samples from Westport Drain @ Vivian Rd during the July 22, 2008 monitoring event (0.016 µg/L, Table 53). The chlorpyrifos concentration is below the reporting limit for this analyte and is considered an

estimate. There was no toxicity to *Ceriodaphnia* during this event. PUR data for the Westport Drain @ Vivian Rd site subwatershed indicate that within one month prior to the exceedance date there were nine applications of products containing chlorpyrifos. In that time, 128 lbs of these pesticides (various products) were applied on 359 acres of walnuts, alfalfa and almonds. Chlorpyrifos was detected at exceedances level concentrations at this site one time prior to this event. Chlorpyrifos will be included in the ESJWQC Management Plan update for Westport Drain.

Exceedances of the nitrate WQTL occurred during every monitoring event of the irrigation season (Table 53). Potential sources of nitrates in surface waters include runoff of fertilizers or organic matter from irrigated pasture, leaking septic systems, waste-treatment facility effluent, and inputs from dairies. Additional information regarding sources of nitrate in the Coalition region can be found below under *Constituent Specific Analyses/Special Studies*. Both pasture and dairies are located close to the sampling site in the small Westport Drain site subwatershed, and runoff containing animal waste could be a source of the detected nitrate. It is also possible that the drain is intercepting shallow ground water that has elevated nitrate concentrations. Nitrate is addressed in the Site Subwatershed Management Plan for Westport Drain as a priority D constituent.

Exceedances of the *E. coli* WQTL occurred during four of five irrigation monitoring events at this site (Table 53). Possible sources of *E. coli* in the drain include irrigated pasture, dairies, leaky sewer lines or septic systems, applied manure, biosolids, liquid dairy waste, and a large array of wildlife. As mentioned above, dairies and pasture are located adjacent to the Westport Drain sample site, and irrigation runoff from these lands may be contributing to the *E. coli* in the drain. Sources of *E. coli* are described further under *Constituent Specific Analyses/Special Studies* below. *E. coli* has been addressed in the Site Subwatershed Management Plan for Westport Drain as a priority E constituent.

Exceedances of the TDS and SC WQTLs occurred during every monitoring event in which analyses for these constituents were conducted (Table 53). TDS describes all solids (usually mineral salts) that are dissolved in water and are frequently associated with exceedances of SC. Sources of salts in the Coalition region are described below under *Constituent Specific Analyses/Special Studies*. Exceedances of the SC or TDS WQTLs have occurred at this site during every event since monitoring was initiated at this site in 2007. SC and TDS are addressed in the Site Subwatershed Management Plan for Westport Drain as priority E constituents.

Exceedances of the DO WQTL occurred during the first five irrigation monitoring events at this site (Table 53). Exceedances of the DO WQTL occurred throughout the 2007 irrigation season, and during the second 2008 storm season event. A discussion of parameters that may affect DO in surface waters is provided below under *Constituent Specific Analyses/Special Studies*. DO is a priority E constituent in the Site Subwatershed Management Plan for Westport Drain.

### ***Constituent Specific Evaluations/Special Studies***

## pH

The determinants of pH in surface waters are not well understood and pH can vary diurnally with changes in photosynthetic rates and the resulting changes in the concentration of CO<sub>2</sub> and O<sub>2</sub> in the water. Control of pH in surface waters is a function of the balance between the buffering capacity of the water, inputs of organic acids from soil leaching, and the relative amount of photosynthesis. In an attempt to understand the underlying mechanism behind the pH in Coalition surface waters, a preliminary analysis was undertaken to determine the statistical relationship between pH and dissolved oxygen (DO), hardness, temperature and specific conductance (SC). Multiple regression analyses were performed using pH as the response variable and DO, hardness, temperature, and SC as the predictor variables. Neither hardness nor SC were statistically significant predictors of pH. DO and temperature were significant predictors of pH. However, the adjusted coefficient of determination was only 0.23 indicating that 23% of the variation in pH was accounted for by the variation in DO or temperature. The estimated model is:

$$\text{pH} = 6.3395 + .0899 * \text{DO} + 2.4807\text{E-}02 * \text{Temp}$$

The equation indicates that raising temperature or the concentration of dissolved oxygen raises pH. This result, coupled with the lack of significance of hardness, suggests that pH dynamics in surface waters in the Coalition region are controlled by photosynthetic rate and the production of dissolved oxygen. Interestingly, SC was predictable from hardness indicating that the levels of SC in the surface waters in the Coalition region are primarily a function of CaCO<sub>3</sub>, which dissociates to Ca<sup>2+</sup> and CO<sub>3</sub><sup>2-</sup>. These analyses suggest that the primary cation in the surface water is Ca<sup>2+</sup> which is from natural sources.

## DO

Exceedances of the dissolved oxygen (DO) water quality objective are common and have been present throughout the Coalition region since monitoring was implemented. DO and pH are expected to vary diurnally and can exceed the standards as a result of natural processes in the water column such as changing water temperature, photosynthesis and respiration. Changes in DO can be exacerbated by the addition of nutrients which stimulate production of organic material which eventually dies and is released into the water column and sediment where it is broken down by microbial activity. The respiration of the bacteria during the breakdown process is termed Biological Oxygen Demand (BOD).

The Coalition conducted a special study which attempted to determine if BOD was the cause of low DO concentrations. The results of this study were included in Appendix VIII of the December 30, 2007 Semi Annual Monitoring Report. The majority of the samples contained no measurable BOD. The reasons for this could be the long holding time prior to initiation of the test or already depleted dissolved oxygen concentrations in the water column. BOD and Total Organic Carbon (TOC) were positively correlated and TOC was used as a surrogate for BOD in a multiple regression analysis. Water temperature, BOD, and nitrate in the water column were all significant predictors of dissolved oxygen. As water temperature and BOD increased, dissolved oxygen decreased. As nitrate increased, dissolved oxygen increased although the explanation for this latter relationship is not clear. It is clear that both water temperature and

BOD are significant factors causing the decrease in DO although other, as yet unknown factors are also important.

### **SC/TDS**

Potential sources of TDS (and by extension, the determinants of SC) are minerals leached from soils by upstream surface water and ground water, or drain water from irrigated agriculture. The two general sources of minerals/salts in agricultural landscapes are fertilizers and native soils. A commercial fertilizer can be made up of dozens of different chemicals, each of which ionize and contribute to the SC of the solution. Different brands of fertilizer can use different chemicals to make up the total formula suggesting that there will not be a universal signal for fertilizer-generated SC or TDS.

Water bodies in close proximity to the San Joaquin River have a depth to ground water that tends to be very shallow. Data developed by the Modesto and Turlock Irrigation Districts suggests that the exceedances of TDS/SC in this region are a function of ground water. Geologically, the ground water from both the east and west side of the Valley moves toward the San Joaquin River trough, the low point in the Valley that is naturally high in salts. The movement of water down gradient toward the San Joaquin River creates a shallow ground water table, as evidenced by the numerous wetlands that are in the vicinity of the river. This shallow ground water appears to be the cause of the salinity problems in many ESJWQC water bodies close to the river.

### **Nitrate**

Potential sources of nitrate in surface waters include runoff of fertilizers, organic matter from irrigated pasture, leaking septic systems, waste-treatment facility effluent, and inputs from animal waste. These sources can move to surface waters through above ground runoff or shallow subsurface flows. Animal waste that enters surface waters can be converted to nitrate by nitrifying bacteria. Possible sources of animal waste in a water body include dairies, poultry facilities, pasture and/or wildlife. From years of movement of nitrate from dairies into ground water, there is a significant amount of nitrate in the aquifers beneath the Coalition region. Many of these aquifers are very shallow and many of the drains in the western portion of the Coalition were constructed in the 1800s to lower the water table and allow farming. More recently, tile drains have been placed in some areas of the Coalition, and these further remove shallow ground water from the subsurface and move it to surface drainages. As a result, nitrate from dairies is now intercepted by field and surface drains resulting in consistent exceedances of the nitrate WQTL. Because of its extreme solubility, it is likely that any applications of nitrate fertilizers would result in immediate runoff to surface waters and it is unlikely that applications in the spring would result in exceedances of the WQTL throughout the irrigation season.

### **Ammonia**

Ammonia can enter a water body through two sources, direct discharge from agricultural fertilizers or animal waste, or from discharges from waste water treatment plants. Ammonia in fertilizer is typically converted to nitrite and then nitrate in soils over a short period of time and discharge of fertilizer would have to be immediate to detect ammonia in the receiving water

body. Previous exceedances of the ammonia WQTL have been attributed to discharge from dairies.

### **E. coli**

*E. coli* is an indicator of fecal contamination in surface waters. Potential sources of *E. coli* include runoff from irrigated pasture, dairies, leaky sewer lines, leaky septic systems, runoff from applications of manure, biosolids and liquid dairy waste, and direct deposition of fecal material from a large array of wildlife. A study designed to identify the source of fecal contamination in Coalition water bodies was initiated in August 2006. Obligate anaerobic bacteria of the genus *Bacteroides* were extracted from water samples and their DNA analyzed to determine the source(s) of the fecal matter. Anaerobic *Bacteroides* were used because they persist in the environment for only a short period of time (days), meaning any detection of *Bacteroides* DNA in the sample is from a recent contamination event. As a facultative anaerobe, *E. coli* can reproduce and persist in an oxygenated environment for an unknown period of time, thus detecting *E. coli* in a water sample is an indicator of fecal contamination but the timing of the contamination is not possible to determine.

For the study, water sampling occurred at 27 sites (4 baseline and 23 monitoring) within the Coalition region during non-monitoring events. Results of the study indicate that the source of the fecal contamination is a combination of human, cows, and chickens depending on the location. The sampling occurred only during late summer low flow conditions and should be repeated during winter storm events. Samples can be analyzed for additional molecular markers and chemical markers that can confirm the contamination by human sewage, but those analyses will require a much larger research effort that is outside the capabilities of the Coalition.

### **Arsenic**

The registrations on many products with this active ingredient have been cancelled. However, there are four products currently registered for use on citrus, for weed control around ditches, for use on ornamental plants, for nonagricultural weed control, and for weed control around buildings, driveways, sidewalks, rights-of-way, and fencerows. Several products are available for use by homeowners and nonagricultural users (e.g. county road maintenance) ([http://www.pesticideinfo.org/List\\_Products.jsp?Rec\\_Id=PC34358&Chem\\_Name=Sodium%20cacodylate&PC\\_Code=012502](http://www.pesticideinfo.org/List_Products.jsp?Rec_Id=PC34358&Chem_Name=Sodium%20cacodylate&PC_Code=012502)) and the product may have been purchased for use by local homeowners for use on their property. Arsenic is found in sodium cacodylate which is applied by agriculture for broadleaf weed control and as a cotton defoliant. California Department of Pesticide Regulation records indicate no agricultural use of sodium cacodylate across the Coalition region between 1998 and 2008.

### **Lead**

Lead is a legacy of any of a number of potential sources including deposition from leaded gasoline, disposal of lead-containing products such as paints, electronic components, and batteries, and old applications of lead arsenate pesticides. Currently, there are no pesticides applied that contain lead, although lead arsenate was used in the past. Lead arsenate was used generally only until the 1960s and has been banned on all food crops since 1991. Currently, the

most probable source is contaminated soils that originated from old pesticide applications, disposal of products containing lead, aerial deposition of particulate lead from industrial processes, or the deposition of automobile exhaust. Lead is predominantly particulate bound and not bioavailable in that form. Major roads and highways within subwatersheds may contribute to the leaching of lead into waterways. In addition, disposal of lead paint in the vicinity, burial of old buildings with lead paint, or leaching lead from lead arsenate deposition could all contribute to lead detections. The Coalition is currently not able to identify the specific source(s) of individual detections at sample sites, but lead in surface waters is not likely a result of agricultural management practices.

## Summary of Management Practices

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One of the primary goals of the Coalition is to gather information on management practices that are demonstrated to benefit water quality and to provide this information and support to growers to facilitate the implementation of these management practices. Over the last several years, the Coalition has collaborated with groups such as the Natural Resources Conservation Service (NRCS), University of California Agricultural Cooperative Extension (UC Extension), the Coalition for Urban and Rural Environmental Stewardship (CURES), pesticide registrants and pest control advisors (PCAs) to gather information on the most up-to-date management practices to reduce the potential for pesticide runoff. Information is provided to growers regularly throughout the year by means of Coalition outreach meetings, mailings, personal communication with growers, and the Coalition website. Each management practice is viewed as one tool in a collective tool box and the management practices (tools) that are most beneficial to a particular farming operation will depend on factors including (but not limited to) the size of the farm, the drainage system, soil type, crop type and the crop pests that must be controlled.

A working list of management practices is provided in Table 54 below. Management practices are described based on the goal (e.g. water conservation, waste discharge reduction) and the mechanism of the practice. The ESJWQC Management Plan will include specific information on management practices that have been provided to the Coalition members and growers. Management practices are continually developing and changing and therefore the information will be updated in the ESJWQC Management Plan as new data become available.

**Table 54. Table of best management practices (BMPs), target constituents, mechanism and possible improvements to water quality.**

BMP	BMP Endpoint	BMP Target(s)	BMP Mechanism	Effectuated water/sediment quality monitoring parameter(s)
Sediment basin	Reduce discharge	PI, PS, K, S, NP	Removal of sediment, pesticides bound to sediments; allow time for biodegradation of pesticides	Color, turbidity, EC, TDS, metals, short half-life pesticides, high K <sub>oc</sub> pesticides, total phosphorous
Vegetated buffers	Reduce discharge	PI, PS, K, S, NP, NN	Remove sediment, nutrients, pesticides bound to sediments, or any contaminants with low solubility	Color, turbidity, EC, TDS, metals, pesticides, nutrients
Cover crop, dormant season vegetation	Reduce discharge	K, S, NP	Remove sediment, pesticides bound to sediments, or any contaminants with low solubility; protect soils and soil nutrients for growing season	Color, turbidity, EC, TDS, metals, pesticides, nutrients
Sprayer calibration	Reduce discharge	D	Reduce potential for spray drift	All pesticides
Polyacrylamide (PAM)	Reduce discharge	PI, K, S, NP	Removes sediment from the water column, removing pesticides bound to sediments	Color, turbidity, metals, pyrethroid pesticides, total phosphorous
Dormant season field retainers	Reduce discharge	PS, S	Reduce/eliminate storm runoff	Color, turbidity, EC, TDS, copper, pyrethroid pesticides, organophosphate pesticides
Microspray and drip irrigation	Reduce water use & discharge	D,W	Increase water use efficiency, eliminate potential for spray drift	All pesticides, copper
Tail water return	Reduce water use & discharge	PI, PS, K, S, W, NP, NN	Re-use of irrigation water, eliminate discharge completely	Color, turbidity, EC, TDS, metals, all pesticides, all nutrients

**BMP Targets Code:**

D: Chemical (pesticide) drift

PS: Dormant spray pesticide storm runoff

S: Sediment runoff

NP: Nutrients: phosphorous

PI: Pesticide runoff from irrigation

K: High K<sub>oc</sub> pesticide runoff

W: Water use efficiency

NN: Nutrients: nitrate, nitrite or Kjeldhal nitrogen

## ***Management Practice Implementation***

When an exceedance(s) of water quality trigger limits (WQTLs) occur at a sample site more than once, the Coalition is required to develop a Management Plan to address those exceedances. In addition, if a single exceedance of either chlorpyrifos or diazinon (TMDL constituents) occurs the Coalition will address those exceedances in the ESJWQC Management Plan. The ESJWQC Management Plan contains goals and actions that are designed to address problems specific to a subwatershed. Performing grower outreach and encouraging the implementation of management practices are important components of the plan. The Management Plan provides a prioritization scheme and process by which management actions can be adopted. Based on this plan, growers are encouraged to adopt management practices through presentations at county and/or subwatershed meetings and in higher priority subwatersheds, through contacts on an individual grower and/or grower group basis. In some cases, Coalition representatives visit individual farms to investigate potential sources of exceedances and to personally speak with growers or applicators about practices. All the growers with whom the Coalition has met have expressed willingness to cooperate and change practices to avoid contributing to problems in the future.

The Coalition is in the process of documenting implementation of management practices in the Coalition region. This is being done by asking growers to complete a management practices survey if they operate in watersheds under Management Plans. Conversations with growers indicate that they are changing practices but often do not report the changes to the Coalition. Changing chemicals, application methods (e.g. timing of application, calibrating nozzles), or implementing structural management practices are occurring in the Coalition region but are difficult to track. Data obtained from general surveys sent to members of the Coalition have been summarized to a parcel level and a General Survey Summary Report was submitted to the Regional Board on January 30, 2009.

## **Actions Taken to Address Water Quality Impacts**

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Monitoring of ambient surface waters is conducted by the Coalition for the purpose of characterizing discharges from agriculture. Over the long term, monitoring data provide insight on the general trends in water quality at each of the sample sites. Results from each event within a monitoring season can identify constituents, agricultural lands, crops and/or particular pesticides that need to be managed to reduce or eliminate input from agriculture. A series of actions taken to determine the potential sources of exceedances include 1) the use of PURs to identify relevant applications that occurred upstream of the sample site and within a specified time period prior to the sampling event, 2) an analysis of monitoring data to determine the potential mechanism associated with exceedances of physical and field parameters such as DO, pH, and TDS, and 3) special studies where appropriate and cost effective to determine the sources of constituents such as *E. coli* or the potential causes of exceedances such as low DO.

As follow-up to exceedances, the Coalition notified the Regional Board of all exceedances in Exceedance and Communication Reports (Table 55). In addition, the Coalition creates an annual report for members to review all exceedances to date. Results are also disseminated at grower outreach meetings and, in some cases, by personal communication when evidence such as PUR indicates the likely contributor to a detection or exceedance. The Coalition also provides growers with information on management practices to reduce storm water runoff, and discharge of irrigation water and sediments into receiving water bodies. Additional relevant management practices are presented at meetings, such as alternative products, structural changes to manage drain water or pesticide application practices for minimizing spray drift. Appendix VII includes meeting handouts and agendas.

### ***Outreach and Education***

Based on the results of the monitoring, the Coalition held workshops, meetings and presentations to provide useful information to all growers in the Coalition region. Outreach and education activities are an important component of the Coalition monitoring program. The Coalition continues to make a strong effort to provide information to growers at regular meetings, as well as at meetings conducted by the County Agricultural Commissioner, and by personal contact. Coalition presentations during the 2008 irrigation season provided members with general information, site subwatershed specific monitoring results, and management practices that have proven to be effective to reduce the discharge of pesticides to water bodies. All outreach and education activities are documented in Table 56.

In November and December of 2007, the staff from the Stanislaus County Ag Commissioner's office walked four creeks that the Coalition currently monitors: Dry Creek (Stanislaus County), Hatch Drain, Westport Drain and Prairie Flower Drain. While walking the creeks the Ag Commissioner's staff photo-documented and using GPS marked the locations where there was the possibility for direct discharge into the stream. This information was matched with member parcel information and letters were sent inviting land owners to a meeting to discuss the impacts of direct discharge. On June 18, 2008 the Coalition held a meeting at the Stanislaus

Farm Bureau to discuss the creek walks and relevant exceedances of WQTLs. ILRP compliance requirements were also discussed with growers.

A letter was sent to almond and alfalfa growers on July 1, 2008 reminding members that the 2007 irrigation exceedances of chlorpyrifos had been linked to spray drift and irrigation runoff after application. The letter encouraged growers to implement management practices affecting spray drift and irrigation runoff. The letter also included a list of chlorpyrifos exceedances in all subwatersheds during July 2007. Surveys were included in mailings to members who had not previously completed a survey.

In mid-July 2008, a mailing of the Watershed Coalition News (newsletter) went out to 6,500 growers containing an ESJWQC-sponsored article on chlorpyrifos exceedances and best management practices to reduce discharge and/or spray drift. Additional outreach occurred as Coalition Executive Director Parry Klassen was invited to give presentations on October 7, 21, 28, and November 4, 2008 at the Merced Community College Pest Management Update Course. The presentations included Coalition monitoring results, sprayer calibrations, and management of organophosphates and pyrethroids for both orchards and row crops.

A mailing was sent out to all 118 Coalition members within the Dry Creek @ Wellsford Rd site subwatershed to announce an upcoming grower meeting. Included in the mailing were a blank general survey (if outstanding) and an exceedance table for all years and seasons. The meeting with Dry Creek growers was held on November 12, 2008 at the Fruit Yard restaurant in Modesto. MLJ-LLC and Coalition representatives discussed water quality exceedances, management plan requirements and management practices to reduce agricultural discharge.

In late November, the Modesto Pesticide Applicator Professional Association Seminar, a grower and PCA meeting, took place and Coalition Executive Director Parry Klassen presented Coalition monitoring results from sites within Stanislaus County, and information on best management practices for organophosphate and pyrethroid pesticides.

The 2008 Annual Grower Meetings were held on December 16, 17, and 18 in Stanislaus, Merced, and Madera Counties, respectively. Coalition representatives and MLJ-LLC personnel discussed ESJWQC Coalition activities, 2008 monitoring results, and priority subwatershed management plans. Annual reports were available for members and general surveys were available for members to fill out at the meeting.

The Coalition also hosts a Coalition website: <http://www.esjcoalition.org/home.asp>. This website serves as a clearing house for Coalition activities and outreach on management practices. Information provided on the website functions as a useful supplement to regular grower contacts and meetings.

### ***Pest Control Advisors, Agricultural Commissioners, and Registrants***

For the Coalition to be most effective in providing recommendations on management practices that will reduce or eliminate discharge, collaboration with County Agricultural Commissioners,

PCAs and pesticide registrants is critical. During the 2008 irrigation season the Coalition worked with each of these entities as needed to follow-up on exceedances. Agricultural Commissioners from the various counties are active participants as non-voting members of the ESJWQC Board of Directors. The Stanislaus Agricultural Commissioner's office has been active in the last year with the initiation of creek walks within the Stanislaus County. Merced and Madera County Agricultural Commissioners in 2009 are planning to perform similar creek walks of waterways sampled by the Coalition in their counties.

## Activities, Events and Deliverables

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Table 55 and Table 56 provide Coalition activities, events and deliverables that have occurred during the 2008 irrigation monitoring season. Table 55 includes the Exceedance and Communication report date (by constituent group) in association with the sample date for which the exceedance occurred (see also Appendix V). Table 56 lists Coalition activities chronologically including the activity category (Grower Notification, BMP Outreach and Education, or General Surveys), description, constituents addressed and the individual responsible for conducting the activity (see also Appendix VII).

**Table 55. Calendar of sampling events and associated deliverables for the ESJWQC relevant to the 2008 irrigation season.**

Sample Event	Sample Date	Monitoring Type	Field		Toxicity		Pesticides		Metals	
			Exceedance Report	Communication Report						
Irrigation1	4/22/2008	NM	4/23/2008	-	4/28/2008	-	5/23/2008	7/29/08	5/30/2008	8/4/08
Irrigation1	4/29/2008	NM	4/30/2008	7/3/08	5/6/2008	7/9/08	6/13/2008	8/15/08	6/12/2008	8/18/08
Irrigation1	4/29/2008	MPM	4/30/2008	-	-	-	6/13/2008	-	6/12/2008	-
Irrigation1	4/29/2008	NM-RS	4/30/2008	-	5/6/2008	-	-	-	-	-
Irrigation1	5/7/2008	NM-RS	-	-	5/16/2008	7/9/08	-	-	-	-
Irrigation2	5/7/2008	MPM	5/8/2008	-	-	-	-	-	-	-
Irrigation2	5/20/2008	NM & MPM	5/21/2008	-	5/27/2008	-	-	-	7/1/2008	-
Irrigation2	5/27/2008	NM-RS	5/28/2008	-	6/2/2008	-	-	-	-	-
Irrigation2	5/27/2008	NM	5/28/2008	7/31/08	-	-	7/25/2008	9/29/08	7/1/2008	9/4/08
Irrigation3	6/3/2008	MPM	6/4/2008	-	-	-	-	-	-	-
Irrigation3	6/17/2008	NM	6/18/2008	-	6/24/2008	8/27/08	7/28/2008	-	7/28/2008	9/30/08
Irrigation3	6/24/2008	NM-RS	-	-	-	-	-	-	-	-
Irrigation3	6/24/2008	NM	6/25/2008	8/28/08	-	-	-	-	7/28/2008	9/30/08
Irrigation3	6/24/2008	NM	6/25/2008	-	-	-	-	-	7/28/2008	-
Irrigation4	7/8/2008	MPM	7/9/2008	-	-	-	-	-	7/30/2008	-
Irrigation4	7/22/2008	NM	7/23/2008	-	7/28/2008	-	9/12/2008	-	9/5/2008	-
Irrigation4	7/22/2008	MPM	7/23/2008	-	7/28/2008	-	8/25/2008	-	9/5/2008	-
Irrigation4	7/29/2008	NM-RS	7/31/2008	-	8/4/2008	-	-	-	-	-
Irrigation4	7/29/2008	NM	7/31/2008	-	-	-	9/16/2008	11/20/08	8/28/2008	-
Irrigation4	7/29/2008	MPM	7/31/2008	-	-	-	-	-	8/28/2008	-
Irrigation5	8/5/2008	MPM	8/6/2008	-	-	-	9/2/2008	-	-	-
Irrigation5	8/19/2008	NM	8/20/2008	-	8/26/2008	-	10/2/2008	12/10/08	9/24/2008	12/2/08
Irrigation5	8/19/2008	MPM	8/20/2008	-	-	-	10/2/2008	-	9/24/2008	-
Irrigation5	8/26/2008	NM	8/27/2008	-	-	-	10/2/2008	-	9/24/2008	-
Irrigation5	8/26/2008	MPM	8/27/2008	-	-	-	-	-	9/24/2008	-
Irrigation5	8/26/2008	NM-RS	8/27/2008	-	9/15/2008	-	-	-	-	-
Irrigation5	8/28/2008	SED	8/29/2008	-	9/26/2008	12/4/08	-	-	-	-
Irrigation5	10/2/2008	SED-RS	10/3/2008	12/11/08	10/28/2008	12/4/08	-	-	-	-
Irrigation6	9/9/2008	MPM	9/10/2008	-	-	-	10/8/2008	-	-	-
Irrigation6	9/23/2008	NM	9/24/2008	-	10/1/2008	-	11/5/2008	-	10/29/2008	-
Irrigation6	9/30/2008	NM-RS	10/1/2008	-	10/6/2008	-	-	-	-	-
Irrigation6	9/30/2008	NM	10/1/2008	-	-	-	11/5/2008	-	10/29/2008	-

MPM = Management Plan Monitoring; NM = Normal Monitoring (water column); SED = Sediment sampling including resampling due to toxicity; RS = Resampling due to toxicity

**Table 56. Table of ESJWQC actions and deliverables dealing with grower notification of exceedances and management practices relevant to the 2008 irrigation monitoring season.**

County	Date	Category	Description	Constituents Addressed	Who
Dry Creek, Hatch Drain, Westport Drain, and Prairie Flower Drain subwatersheds	May 12, 2008	Grower Notification	Mailing to 27 members and non-members that had drains identified announcing grower meeting on June 18, 2008 and notification that permission has been obtained to "walk the creeks" and map locations of drainage into waterways.	All Constituents	Parry Klassen
Stanislaus	June 18, 2008	BMP Outreach and Education	Grower meeting at Farm Bureau inviting all direct dischargers (identified in creek walks) in the upstream subwatershed to discuss compliance with ILRP.	All Constituents	Parry Klassen, Mike Johnson
Almond and alfalfa growers in all counties	July 1, 2008	Grower Notification	Letter sent only to members who claimed to farm almonds and/or alfalfa within subwatersheds that had chlorpyrifos during the 2007 irrigation season.	Chlorpyrifos	Parry Klassen
All	Mid-July, 2008	Grower Notification	Mailing of Watershed Coalition News (newsletter) to 6,500 growers containing ESJWQC sponsored article on chlorpyrifos exceedances and BMPs to reduce discharge and/or spray drift.	Chlorpyrifos and all applied pesticides	Parry Klassen
All	October, 2008	BMP Outreach and Education	Binder of information on BMPs sent out to all Coalition members. Developed by CURES, funded by Westside Coalition Prop 50 grant.	All Constituents	Parry Klassen
All	October 1, 2008	Grower Notification	Mailing to all Coalition members including information on the EQIP funding approaching deadline (Oct. 31) for BMP implementation.	Organophosphates, pyrethroids, and carbamates	Parry Klassen, Wayne Zipser
All	October 2, 2008	Grower Notification	Mailing to announce NRCS Funds are available.	Pesticides	Parry Klassen
Merced	October 7, 2008	BMP Outreach and Education	Merced Community College Pest Management Update Course: grower, PCA meeting to discuss Coalition results.	All Constituents	Parry Klassen
Merced	October 21, 2008	BMP Outreach and Education	Merced Community College Pest Management Update Course: grower, PCA meeting to discuss sprayer calibrations.	All Constituents	Parry Klassen

County	Date	Category	Description	Constituents Addressed	Who
Merced	October 28, 2008	BMP Outreach and Education	Merced Community College Pest Management Update Course: grower, PCA meeting to discuss organophosphates and pyrethroids relating to orchards.	Organophosphates, pyrethroids	Parry Klassen
Dry Creek @ Wellsford subwatershed	October 29, 2008	Grower Notification	Mailing to all 118 members within Dry Creek subwatershed to announce grower meeting on November 14, 2008; included cover letter, agenda, survey (if outstanding), and exceedances chart for all years and seasons.	All Constituents	Parry Klassen
Merced	November 4, 2008	BMP Outreach and Education	Merced Community College Pest Management Update Course: grower, PCA meeting to discuss organophosphates and pyrethroids relating to row crops.	Organophosphates, pyrethroids	Parry Klassen
Dry Creek @ Wellsford subwatershed	November 12, 2008	BMP Outreach and Education	Meeting with Dry Creek growers at the Fruit Yard in Modesto regarding water quality exceedances, Management Plan requirements and management practices to reduce agricultural discharge.	All Constituents	Parry Klassen, MLJ-LLC
Modesto	November 20, 2008	BMP Outreach and Education	Pesticide Applicator Professional Association grower meeting to discuss Stanislaus County coalition results, BMPs for OPs and pyrethroids.	Organophosphates, pyrethroids	Parry Klassen
All	December 3, 2008	Grower Notification	Mailing to all growers announcing a deadline extension for membership renewal and the 2008 Annual Meetings.	Organophosphates, pyrethroids	Parry Klassen
Stanislaus Area	December 16, 2008	BMP Outreach and Education	2008 Annual Growers Meeting: discussed ESJ Coalition activities, 2008 monitoring results, priority management plans specifically pesticides drive water quality challenge, and filled out BMP surveys.	All Constituents	Parry Klassen, MLJ-LLC
Merced County	December 17, 2008	BMP Outreach and Education	2008 Annual Growers Meeting: discussed ESJ Coalition activities, 2008 monitoring results, priority management plans specifically pesticides drive water quality challenge, and filled out BMP surveys.	All Constituents	Parry Klassen, MLJ-LLC
Madera County	December 18, 2008	BMP Outreach and Education	2008 Annual Growers Meeting: discussed ESJ Coalition activities, 2008 monitoring results, priority management plans specifically pesticides drive water quality challenge, and filled out BMP surveys.	All Constituents	Parry Klassen, MLJ-LLC

County	Date	Category	Description	Constituents Addressed	Who
All	January 30, 2009	General Surveys	General survey results linked to parcels and summarized in the ESJWQC General Survey Summary Report.	Not Applicable	MLJ-LLC

# Exceedance, Communication, and Evaluation Reports

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## ***Exceedance and Communication Reports***

All Exceedance and Communication Reports are included in Appendix V. If any errors occurred in the original communication, an updated report was emailed to the Regional Board; all communications are documented in Appendix V. The following errors were not noticed until the submission of this SAMR:

1. Exceedance Report submitted on July 28, 2008 for metals, *E. coli*, nutrients and physical parameters indicated that sampling occurred on "June 17 and 24, 2008". Sampling actually occurred on June 17 and 25, 2008.
2. The Communication Report submitted on December 4, 2008 for sediment toxicity noted that sampling occurred on "August 18, 2008". Sampling actually occurred on August 28, 2008.
3. Incorrect reporting of 2 pH results (Exceedance Report submitted on June 4, 2008) and six pesticide results (Exceedance Report submitted on October 2, 2008). See *Data Interpretation* section for details (Table 27).
4. One dissolved oxygen exceedance was not reported in the Exceedance Report submitted on October 2, 2008. See *Data Interpretation* section for details (Table 28).

## ***Evaluation Reports***

Evaluation Reports were not required for exceedances experienced during the 2008 irrigation season events. Management Plans have superseded Evaluation Reports and an ESJWQC Management Plan was submitted on September 30, 2008 reviewing all exceedances up to 2008. The ESJWQC Management Plan will be updated on a yearly basis (to be submitted on April 1 of each year) to incorporate results from the previous years sampling and special studies. An updated Management Plan that will address exceedances that occurred in 2008 will be submitted on April 1, 2009.

## Conclusions and Recommendations

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Over the 2008 irrigation season, the Coalition was able to meet its monitoring program objectives:

- Determine the concentration and load of waste in discharges to surface waters.
  - The completeness of the analytical data was sufficient to determine concentration and load for all samples collected.
  - Quality control issues were present for a small number of samples, but the batches were evaluated using all LABQA results and were determined to be acceptable.
- Evaluate compliance with existing narrative and numeric water quality triggers to determine if implementation of additional management practices is necessary to improve and/or protect water quality.
  - The data for all constituents for which criteria exist were compared to the appropriate water quality trigger.
  - Exceedances resulted in notification of the CVRWQCB within the time period specified in the MRP.
  - If samples existed in which the constituent exceeded the objective, it was determined that outreach would be performed and growers were encouraged to implement additional management practices as described in the ESJWQC Management Plan.
  - A series of meetings with growers was held in which additional management practices were presented and growers were encouraged to implement the practices to protect water quality.
- Assess the impact of water discharges from irrigated agriculture to surface water.
  - Comparisons of monitoring data with water quality trigger limits allowed a determination that several water bodies in the Coalition region were impacted by irrigated agriculture.
  - The data collected are insufficient to determine the relationship between toxicity, the presence of chemicals, and the level of biological impairment.
- Determine the degree of implementation of management practices to reduce discharge of specific wastes that impact water quality in receiving waters of the Coalition region.
  - The Coalition compiled responses from its general surveys in a General Survey Summary Report (submitted January 30, 2009).
  - The ESJWQC Management Plan describes the process by which the Coalition will track management practices.
- Determine the effectiveness of management practices and strategies to reduce discharges of wastes that impact water quality.
  - While the Coalition still does not have adequate data to evaluate the effectiveness of management practices implemented in the Coalition region, positive steps are being taken to obtain the necessary data. These steps include:
    - Obtain Coalition region-specific information on management practice effectiveness.

- Create Coalition region-specific management practice handbooks for Coalition members.
- Obtain information from growers in regards to implemented management practices and when they were implemented in high priority subwatersheds.
- Create a database to track implemented management practices.
- Link implemented management practices to changes in water quality as outlined in the Management Plan.
- The Coalition initiated development of a member/parcel/crop relational database whose goal is to enable tracking of members by parcel, TRS, and crop on a real-time basis.
  - Classifying growers by location or crop will facilitate more immediate notification of exceedances and tracking of potential sources.
  - Knowledge of current crops grown by members allows the Coalition to provide growers with crop specific management practices.

To meet the Coalition's monitoring and reporting objectives, it is necessary for the monitoring data collected during the irrigation 2008 season to meet completeness objectives as outlined in the MRP.

- Six months of irrigation season monitoring were conducted.
- Chemical testing met the Regional Board's Reporting Limit requirements.
- Discharge measurements were collected from all sites at which it was possible to collect measurements.

The monitoring program provided the following technical conclusions:

- The most common exceedances were dissolved oxygen, *E. coli*, TDS/SC, copper, chlorpyrifos, *Selenastrum* and *Hyalella* toxicity.
  - Exceedances of chlorpyrifos will trigger management plans for the Livingston Drain @ Robin Ave, Miles Creek @ Reilly Rd, South Slough @ Quinley Ave, and Westport Drain @ Vivian Ave watersheds.
  - *Selenastrum* toxicity will trigger management plans for Deadman Creek @ Highway 59, Duck Slough @ Highway 99, Hatch Drain @ Tuolumne Rd, Highline Canal @ Highway 99, Livingston Drain @ Robin Ave, Miles Creek @ Reilly Rd, Prairie Flower Drain @ Crows Landing Rd, South Slough @ Quinley Ave, and Westport Drain @ Vivian Ave.
  - *Ceriodaphnia* toxicity will trigger management plans for Silva Drain @ Meadow Rd.
  - *Hyalella* toxicity will trigger a management plan at Duck Slough @ Highway 99, Hatch Drain @ Tuolumne Rd, Highline Canal @ Lombardy Rd, and Miles Creek @ Reilly Rd.
  - Exceedances of the copper WQTL will trigger management plans for Bear Creek @ Kibby Rd, Silva Drain @ Meadow Rd, and South Slough @ Quinley Ave
  - Other exceedances triggering management plans are lead at Black Rascal Creek @ Yosemite Ave, Duck Slough @ Highway 59, Miles Creek @ Reilly Rd, and Silva Drain @ Meadow Rd, pH at Black Rascal Creek @ Yosemite Rd and Silva Drain @ Meadow

Rd, DO at Merced River @ Santa Fe Dr and Miles Creek @ Reilly Rd, *E. coli* at Livingston Drain @ Robin Rd, and ammonia at Prairie Flower Drain @ Crows Landing Rd and Silva Drain @ Meadow Rd.

- Additional exceedances of management plan constituents include:
  - Chlorpyrifos at Dry Creek @ Wellsford Road, Deadman Creek @ Highway 59, Duck Slough @ Highway 99, Highline Canal @ Highway 99, Highline Canal @ Lombardy Rd, Prairie Flower Drain @ Crows Landing Rd, Silva Drain @ Meadow Ave..
  - Diuron at Hilmar Drain @ Central Ave.
  - *Hyalella* toxicity at Duck Slough @ Gurr Rd, Highline Canal @ Highway 99, Hilmar Drain @ Central Ave, Prairie Flower Drain @ Crows Landing Rd, and Silva Drain @ Meadow Ave.
  - *Selenastrum* toxicity at Highline Canal @ Lombardy Rd and Hilmar Drain @ Central Ave.
  - Copper at Cottonwood Creek @ Rd 20, Dry Creek @ Rd 18, Duck Slough @ Highway 99, Highline Canal @ Lombardy Rd, Livingston Drain @ Robin Rd, Miles Creek @ Reilly Rd.
  - Lead at Highline Canal @ Lombardy Rd and Dry Creek @ Rd 18.
  - Arsenic at Deadman Creek @ Gurr Rd and Hatch Drain @ Tuolumne Rd.
  - Nitrate at Hilmar Drain @ Central Ave, Hilmar Drain @ Mitchell Rd, Prairie Flower Drain @ Crows Landing Rd, Prairie Flower Drain @ Morgan Rd, Westport Drain @ Vivian Rd and Hatch Drain @ Tuolumne Rd.
  - *E. coli* at Highline Canal @ Highway 99, Prairie Flower Drain @ Crows Landing Rd, Deadman Creek @ Gurr Rd, Deadman Creek @ Highway 59, Silva Drain @ Meadow Ave, Highline Canal @ Lombardy Rd, South Slough @ Quinley Rd, Westport Drain @ Vivian Ave, Hilmar Drain @ Central Ave, Black Rascal Creek @ Yosemite Rd, Cottonwood Creek @ Road 20, Dry Creek @ Road 22, Dry Creek @ Wellsford Rd, and Hatch Drain @ Tuolumne Rd.
  - pH at Dry Creek @ Road 22, Highline Canal @ Highway 99, Highline Canal @ Lombardy Rd and Livingston Drain @ Robin Rd.
  - DO at Berenda Slough along Ave 18 ½, Black Rascal Creek @ Yosemite Rd, Cottonwood Creek @ Road 20, Deadman Creek @ Gurr Rd, Deadman Creek @ Highway 59, Dry Creek @ Rd 18, Dry Creek @ Wellsford Ave, Duck Slough @ Gurr Rd, Hatch Drain @ Tuolumne Rd, Hilmar Drain @ Central Ave, Prairie Flower Drain @ Crows Landing Rd, Silva Drain @ Meadow Rd, South Slough @ Quinley Ave, and Westport Drain @ Vivian Rd.
  - TDS/SC at Duck Slough @ Gurr Rd, Hatch Drain @ Tuolumne Rd, Hilmar Drain @ Central Ave, Prairie Flower Drain @ Crows Landing Rd, and Westport Drain @ Vivian Rd.
- Cyanazine, a nonregistered product was detected in at least five samples; Highline Canal @ Highway 99, Highline Canal @ Lombardy Rd, Black Rascal Creek @ Yosemite Rd, Hatch Drain @ Tuolumne Rd, and Cottonwood Creek @ Road 20.
- Dieldrin, a nonregistered product was detected once at Deadman Creek @ Gurr Rd.
- The large numbers of additional exceedances at management plan sites suggest that the Coalition has characterized the discharge at these sites adequately.
- Of the 39 pesticides for which the Coalition analyzes, only nine were detected at concentrations that exceeded WQTLs. Six of these exceedances occurred only once

during the irrigation season. Only exceedances of the chlorpyrifos, malathion, and DDT/DDD/DDE WQTLs were observed more than once.

Outreach during the irrigation season is necessarily reduced because growers are busy with their farming operations and do not have time to attend meetings. Outreach during the 2008 irrigation season included one grower meeting and three member contacts. The single meeting held during the irrigation season involved discussions with growers who were determined to potentially discharge into the four water bodies that were the focus of the creek walks. Because of the immediate potential for discharge into the water bodies, the Coalition made the decision to contact growers during the irrigation season and request the meeting. After the group meetings during the irrigation season, the Coalition determined that individual grower contacts should be investigated as a more efficient way to discuss implementation of management practices that could affect change in water quality. The individual contacts were initiated in the Dry Creek @ Wellsford Rd site subwatershed during the winter of 2008-09 and the Coalition will await the results of the monitoring in the 2009 irrigation season to determine the effectiveness of those contacts. The three grower notifications targeted the entire Coalition, specific geographic locations within the Coalition (water bodies with creek walk data), and specific commodities (alfalfa and almonds) in an attempt to maximize the efficiency of the outreach. Despite the notifications, additional exceedances occurred in these regions and most probably from applications to these commodities. Again, these results suggest that individual grower contacts will be more effective in convincing growers to change/augment management practices on their farming operation. However, it also indicates that changing practices could be a long process. If each grower must be contacted individually and provided with information implicating them as contributors to exceedances, the process of individual contacts could be slow.

Conclusions from these results are:

- The outreach strategy used to date has not been as effective as necessary to reduce exceedances of WQTLs. Exceedances from many of the manageable pesticide applications such as chlorpyrifos and copper have not been eliminated, and toxicity to *Selenastrum* and *Hyaella* remain common.
- The problematic constituents from past year's monitoring remain the primary exceedances experienced in the Coalition region.
- Dairies may play a larger role in causing exceedances of numerous constituents than previously thought.

The Coalition performed several analyses during the preparation of the Management Plan submitted during the fall of 2008. These analyses were designed to determine the potential sources (parcels) and potential methods of application that resulted in exceedances of WQTLs. These analyses will not be reviewed here but generally:

- Greatly elevated concentrations of soluble chemicals such as chlorpyrifos are most likely the result of irrigation return flows, concentrations slightly over the WQTL most likely are the result of spray drift.

- Increased concentrations of soluble chemicals such as chlorpyrifos generally are associated with increased applications in watersheds indicating that elevated concentrations are the result of numerous growers and/or large acreages contributing to the exceedance.
- Using these results, individual growers along water bodies can be contacted and the appropriate management practices discussed to more effectively target outreach.
- Sufficient data now exist to target specific crops and specific times of the year to focus outreach.
- It is unlikely that additional Management Plan monitoring will be helpful in providing the Coalition with information critical to discussions with growers. Discharges in priority watersheds have been characterized sufficiently and growers identified for outreach such that additional monitoring will not be cost effective.

During the 2008 irrigation season the Coalition finished the development of the baseline survey of management practices currently used in the Coalition region. The results were summarized and provided to the CVRWQCB on January 31, 2009. These results will allow the Coalition to track new practices implemented over the next several years.

### ***Recommendations***

Based on the results of the monitoring and outreach efforts during the 2008 irrigation season, the Coalition makes the following recommendations:

- Although large group notifications and meetings are the only way to fulfill MRP requirements that growers must be notified of exceedances, they do not serve as a process by which the Coalition can track the adoption of new management practices. Large group notifications and meetings should continue as a means of educating growers about Coalition monitoring results.
- Creek walks should occur in Merced and Madera Counties as a means of identifying drains that serve as potential sources of exceedances along the water bodies in those areas.
- Growers in all high priority watersheds should be identified for individual contacts.
- Although continued monitoring will be conducted, intensive monitoring in all watersheds will not provide sufficient information to justify the expense. New monitoring results have not revealed any additional problems and have not always provided sufficient information to identify the sources of the exceedances. Additional management plan monitoring should be evaluated on a case by case basis to determine if the monitoring effort should be reduced.
- It is important for the Coalition to focus on tracking implementation of new management practices and identifying locations where adoption of additional practices are lagging. These high risk areas should be targeted for additional outreach efforts.

# **Appendix I**

## **Monitoring Results**

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**Table I - 1. Field parameter results.**

Results include calculated discharge and measured dissolved oxygen (DO), pH, specific conductivity (EC) and temperature and are sorted by station name and sample date.

Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, $\mu\text{S}/\text{cm}$	Temperature $^{\circ}\text{C}$	Field Result Comments
Ash Slough @ Ave 21	4/29/08	15:10	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	5/7/08	17:19	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	5/27/08	14:18	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	6/3/08	14:11	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	6/24/08	12:52	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	7/8/08	12:15	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	7/29/08	14:23	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	8/5/08	11:30	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	9/9/08	10:44	NA	NA	NA	NA	NA	Dry site
Ash Slough @ Ave 21	9/30/08	12:23	NA	NA	NA	NA	NA	Dry site
Bear Creek @ Kibby Rd	4/29/08	16:20	113.34	9.55	8.5	80	19	
Bear Creek @ Kibby Rd	5/7/08	14:40	125.81	11	8.35	76	20.19	
Bear Creek @ Kibby Rd	5/27/08	16:40	147.77	10.12	8.44	73	19.47	
Bear Creek @ Kibby Rd	6/24/08	16:50	NA	10.55	8.47	58	22.67	Water too deep to wade, discharge not measured.
Bear Creek @ Kibby Rd	7/8/08	13:40	NA	8.04	8.02	40	22.62	Water too deep to wade, discharge not measured.
Bear Creek @ Kibby Rd	7/29/08	18:00	NA	8.89	8.05	33	23.4	Water too deep to wade, discharge not measured.
Bear Creek @ Kibby Rd	8/26/08	16:00	94.9	8.92	8.08	54	24.34	
Bear Creek @ Kibby Rd	8/28/08	14:50	NA	10.45	8.19	65	25.29	Discharge not measured due to sediment toxicity monitoring only.
Bear Creek @ Kibby Rd	9/30/08	13:30	33.1	9.2	7.99	55	25.2	
Bear Creek @ Kibby Rd	10/2/08	13:50	NA	NA	NA	NA	NA	Discharge not measured due to sediment toxicity resampling only.
Berenda Slough @ Rd 19	5/27/08	14:52	NA	NA	NA	NA	NA	Dry site
Berenda Slough @ Rd 19	7/29/08	13:40	NA	1.1	6.84	81	22.53	No discharge taken.
Berenda Slough @ Rd 19	9/30/08	9:01	NA	NA	NA	NA	NA	Dry site
Berenda Slough along Ave 18 1/2	4/29/08	14:54	NA	NA	NA	NA	NA	Dry site
Berenda Slough along Ave 18 1/2	5/27/08	13:50	NA	NA	NA	NA	NA	Dry site
Berenda Slough along Ave 18 1/2	6/24/08	12:19	NA	NA	NA	NA	NA	Dry site; water in isolated pools.
Berenda Slough along Ave 18 1/2	7/29/08	14:35	NA	NA	NA	NA	NA	Non continuous flow
Berenda Slough along Ave 18 1/2	9/30/08	12:10	NA	NA	NA	NA	NA	Dry site
Black Rascal Creek @ Yosemite Rd	4/29/08	17:20	0.04	9.07	8.75	147	22.38	

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, µS/cm	Temperature °C	Field Result Comments
Black Rascal Creek @ Yosemite Rd	5/7/08	15:30	-0.05	11.73	8.32	126	26.71	Observed upstream flow, flowing in predicted direction; Not truly negative flow.
Black Rascal Creek @ Yosemite Rd	5/27/08	15:40	0	10.99	7.58	142	24.14	Discharge not measured due to no observed flow.
Black Rascal Creek @ Yosemite Rd	6/24/08	15:30	0	7.34	6.83	173	24.65	Discharge not measured due to no observed flow.
Black Rascal Creek @ Yosemite Rd	7/8/08	13:10	0	2.3	6.89	149	27.8	Discharge not measured due to no observed flow.
Black Rascal Creek @ Yosemite Rd	7/29/08	18:40	0	4.49	6.64	120	25.15	Discharge not measured due to no observed flow.
Black Rascal Creek @ Yosemite Rd	8/5/08	13:20	0	5.58	6.93	101	25.38	Discharge not measured due to no observed flow.
Black Rascal Creek @ Yosemite Rd	8/26/08	16:30	0.44	2.58	7.01	147	24.52	
Black Rascal Creek @ Yosemite Rd	8/28/08	14:20	NA	2.26	7.05	138	25	Discharge not measured due to sediment toxicity monitoring only.
Black Rascal Creek @ Yosemite Rd	9/9/08	12:00	0	4.18	7.47	77	21.36	Discharge not measured due to no observed flow.
Black Rascal Creek @ Yosemite Rd	9/30/08	14:20	0	3.75	5.02	92	24.43	Discharge not measured due to no observed flow.
Black Rascal Creek @ Yosemite Rd	10/2/08	14:10	NA	5.05	7.25	85	23.22	Discharge not measured due to sediment toxicity resampling only.
Cottonwood Creek @ Rd 20	4/29/08	10:30	8.26	7.85	7.68	141	19.07	
Cottonwood Creek @ Rd 20	5/7/08	18:10	NA	NA	NA	NA	NA	Discharge not measured due to toxicity resampling only.
Cottonwood Creek @ Rd 20	5/27/08	10:40	17.41	8.33	7.36	165	18.53	
Cottonwood Creek @ Rd 20	6/24/08	10:30	0.08	7.2	7.43	176	22.58	
Cottonwood Creek @ Rd 20	7/29/08	11:10	0.16	8.28	7.55	157	24.89	
Cottonwood Creek @ Rd 20	8/26/08	10:30	0.79	6.83	7.05	131	22.77	
Cottonwood Creek @ Rd 20	8/28/08	9:50	NA	7.61	7.42	131	23.7	Discharge not measured due to sediment toxicity monitoring only.
Cottonwood Creek @ Rd 20	9/30/08	11:00	NA	NA	NA	NA	NA	Dry site
Cottonwood Creek at Highway 145	5/27/08	11:40	20.01	8.62	7.47	179	17.27	
Cottonwood Creek at Highway 145	6/24/08	9:30	60.24	8.08	7.62	147	21.45	
Cottonwood Creek at Highway 145	7/29/08	10:10	35.03	7.68	7.73	125	23.5	
Cottonwood Creek at Highway 145	8/26/08	9:40	10.85	6.45	7.09	154	22.74	
Cottonwood Creek at Highway 145	9/30/08	10:39	NA	NA	NA	NA	NA	Dry site
Deadman Creek (Dutchman) @ Gurr Rd	4/22/08	14:10	3.86	11.68	8.44	471	17.45	
Deadman Creek (Dutchman) @ Gurr Rd	4/29/08	12:50	1.97	8.66	8.02	564	19.87	
Deadman Creek (Dutchman) @ Gurr Rd	5/20/08	15:00	0	10.82	8.16	524	25.96	Discharge not measured due to no observed flow.
Deadman Creek (Dutchman) @ Gurr Rd	5/27/08	12:30	2.55	7.14	8.15	801	18.65	
Deadman Creek (Dutchman) @ Gurr Rd	6/17/08	14:50	0	8.17	7.71	438	26.14	Discharge not measured due to no observed flow.
Deadman Creek (Dutchman) @ Gurr Rd	6/24/08	11:00	1.65	4.85	7.61	390	22.09	
Deadman Creek (Dutchman) @ Gurr Rd	7/29/08	11:40	1.1	6.87	7.96	285	24.85	Water flowing west to east.

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Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, µS/cm	Temperature °C	Field Result Comments
Deadman Creek (Dutchman) @ Gurr Rd	8/26/08	10:40	0	5.21	7.63	344	23.82	Discharge not measured due to no observed flow.
Deadman Creek (Dutchman) @ Gurr Rd	8/28/08	11:50	NA	5.9	7.64	319	24.74	Discharge not measured due to sediment toxicity monitoring only.
Deadman Creek (Dutchman) @ Gurr Rd	9/30/08	10:30	2.98	5.46	7.59	421	20.78	
Deadman Creek @ Hwy 59	4/29/08	13:50	2.49	10.38	8.26	563	22.82	
Deadman Creek @ Hwy 59	5/7/08	13:20	NA	NA	NA	NA	NA	Discharge not measured due to toxicity resampling only.
Deadman Creek @ Hwy 59	5/27/08	13:30	1.37	7.98	8.05	521	20.15	
Deadman Creek @ Hwy 59	6/24/08	12:00	0.25	3.78	7.36	441	24.33	
Deadman Creek @ Hwy 59	7/29/08	12:30	0	3.08	7.48	485	23.83	
Deadman Creek @ Hwy 59	8/5/08	12:00	0.08	4.51	7.44	477	22.56	
Deadman Creek @ Hwy 59	8/26/08	11:40	0.55	1.78	7.37	558	22.63	
Deadman Creek @ Hwy 59	8/28/08	11:20	NA	1.05	7.3	562	22.62	Discharge not measured due to sediment toxicity monitoring only.
Deadman Creek @ Hwy 59	9/9/08	11:20	3.02	3.37	7.65	440	21.83	
Deadman Creek @ Hwy 59	9/30/08	12:20	1.01	4.45	7.46	491	21.07	
Deadman Creek @ Hwy 59	10/2/08	12:40	NA	4.22	7.59	495	21.22	Discharge not measured due to sediment toxicity resampling only.
Dry Creek @ Rd 18	4/29/08	12:00	5.2	8.13	7.62	61	20.42	
Dry Creek @ Rd 18	5/27/08	12:30	16.26	8.66	7.52	52	19.08	
Dry Creek @ Rd 18	6/24/08	11:30	7.47	7.98	7.12	36	21.66	
Dry Creek @ Rd 18	7/29/08	15:30	44.11	8.26	7.7	28	22.93	
Dry Creek @ Rd 18	8/26/08	12:30	14.86	5.82	6.72	29	24.71	
Dry Creek @ Rd 18	8/28/08	10:20	NA	5.62	7.41	35	25.32	Discharge not measured due to sediment toxicity monitoring only.
Dry Creek @ Rd 18	9/30/08	11:20	NA	NA	NA	NA	NA	Dry site
Dry Creek @ Rd 18	10/2/08	11:02	NA	NA	NA	NA	NA	Dry site
Dry Creek @ Rd 28 1/2	7/29/08	13:00	NA	10.11	7.17	25	19.73	Water too deep to wade, discharge not measured.
Dry Creek @ Rd 28 1/2	9/30/08	9:34	NA	NA	NA	NA	NA	Dry site
Dry Creek @ Wellsford Rd	4/22/08	8:40	39.8	7.06	7.13	117	13.82	
Dry Creek @ Wellsford Rd	5/20/08	8:40	38.3	5.67	7.16	108	22.57	
Dry Creek @ Wellsford Rd	6/17/08	9:00	38.94	6.31	6.93	114	21.5	
Dry Creek @ Wellsford Rd	7/22/08	8:40	63.22	6.67	7.2	124	20.85	
Dry Creek @ Wellsford Rd	8/19/08	8:40	52.75	6.85	7.39	110	20.93	
Dry Creek @ Wellsford Rd	8/28/08	8:30	NA	6.64	6.87	120	22.22	Discharge not measured due to sediment toxicity monitoring only.
Dry Creek @ Wellsford Rd	9/23/08	8:30	33.48	7.49	7.24	139	17.73	
Dry Creek @ Wellsford Rd	10/2/08	10:20	NA	5.83	7.18	129	20.45	Discharge not measured due to sediment toxicity resampling only.
Dry Creek at Road 22	4/29/08	14:30	NA	8.52	8.8	59	19.96	Water too deep to wade, discharge not measured.
Dry Creek at Road 22	5/27/08	13:30	NA	9.01	7.43	53	19.05	Water too deep to wade, discharge not measured.

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Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, µS/cm	Temperature °C	Field Result Comments
Dry Creek at Road 22	6/24/08	13:30	NA	8.27	7.55	37	20.62	
Dry Creek at Road 22	7/29/08	16:20	NA	9.85	7.41	27	21.29	Water too deep to wade, discharge not measured.
Dry Creek at Road 22	8/26/08	11:30	NA	7.41	7.02	35	23.86	Water too deep to wade, discharge not measured.
Dry Creek at Road 22	9/30/08	11:50	NA	3.97	7.75	298	22.8	Flow too low to measure.
Dry Creek at Waterford	7/22/08	9:50	NA	6.08	7.55	139	20.73	
Dry Creek at Waterford	8/19/08	9:50	24.24	5.93	7.73	135	21.54	
Dry Creek at Waterford	9/23/08	9:50	12.49	7.45	7.61	133	17.64	
Duck Slough @ Gurr Rd	4/29/08	12:00	0.56	8.89	7.85	210	19.43	
Duck Slough @ Gurr Rd	5/27/08	10:40	0.43	8.67	7.64	239	17.51	Specific conductivity marked as '2.39' on field sheet, assumed to mean '239.'
Duck Slough @ Gurr Rd	6/24/08	10:10	0.65	8.15	7.64	130	21.42	
Duck Slough @ Gurr Rd	7/29/08	11:00	0.4	8.34	7.45	145	23.7	Flowing approximately 60% from the pipe to the north and 40% from Duck Slough.
Duck Slough @ Gurr Rd	8/26/08	9:30	1.1	8.95	7.87	159	22.12	
Duck Slough @ Gurr Rd	8/28/08	12:20	NA	9.12	7.88	176	24.37	Discharge not measured due to sediment toxicity monitoring only.
Duck Slough @ Gurr Rd	9/30/08	9:10	0.21	8.62	8.11	182	20.79	
Duck Slough @ Gurr Rd	10/2/08	12:10	NA	NA	NA	NA	NA	Discharge not measured due to sediment toxicity resampling only.
Duck Slough @ Hwy 59	6/24/08	13:20	0.64	4.22	7.63	841	22.69	
Duck Slough @ Hwy 59	7/29/08	13:40	0.47	4.83	7.82	612	25.64	
Duck Slough @ Hwy 59	9/30/08	13:10	NA	3.33	7.64	560	20.11	Discharge not measured due to toxicity monitoring only.
Duck Slough @ Hwy 99	4/29/08	16:00	NA	7.74	8.35	75	21.78	Water too deep to wade, discharge not measured.
Duck Slough @ Hwy 99	5/7/08	16:10	NA	NA	NA	NA	NA	Discharge not measured due to toxicity resampling only.
Duck Slough @ Hwy 99	5/27/08	15:30	NA	9.54	7.9	128	20.69	Water too deep to wade, discharge not measured.
Duck Slough @ Hwy 99	6/24/08	15:20	NA	9.02	7	62	22.75	Water too deep to wade, discharge not measured.
Duck Slough @ Hwy 99	7/29/08	17:40	NA	8.33	7.09	32	24.44	Water too deep to wade, discharge not measured.
Duck Slough @ Hwy 99	8/26/08	14:30	NA	7.84	7.48	88	24.05	Water too deep to wade, discharge not measured.
Duck Slough @ Hwy 99	8/28/08	13:40	NA	7.41	7.39	80	24.48	Discharge not measured due to sediment toxicity monitoring only.
Duck Slough @ Hwy 99	9/30/08	15:10	NA	7.77	7.57	113	24.05	Water too deep to wade, discharge not measured.
Duck Slough @ Hwy 99	10/2/08	13:20	NA	NA	NA	NA	NA	Discharge not measured due to sediment toxicity resampling only.
Duck Slough @ Whealan Rd	4/29/08	16:40	5.73	8.98	7.37	87	22.59	
Duck Slough @ Whealan Rd	5/27/08	16:00	4.84	7.1	6.85	80	22.36	
Duck Slough @ Whealan Rd	6/24/08	14:20	22.15	8.52	7.44	52	24.57	
Duck Slough @ Whealan Rd	7/29/08	18:20	18.73	7.36	6.68	32	26.48	
Duck Slough @ Whealan Rd	8/26/08	15:20	21.6	9.58	7.36	48	25.91	
Duck Slough @ Whealan Rd	9/30/08	15:20	7.56	7.46	6.74	31	24.39	
Hatch Drain @ Tuolumne Rd	4/22/08	9:30	0	2.14	7.18	1274	12.15	

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Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, µS/cm	Temperature °C	Field Result Comments
Hatch Drain @ Tuolumne Rd	4/29/08	8:50	NA	0.82	7.27	1323	13.34	Discharge not measured due to toxicity monitoring only.
Hatch Drain @ Tuolumne Rd	5/20/08	10:50	0.25	1.67	7.31	1325	17.31	
Hatch Drain @ Tuolumne Rd	5/27/08	19:10	NA	0.73	7.36	1197	15.91	Discharge not measured due to toxicity monitoring only.
Hatch Drain @ Tuolumne Rd	6/17/08	10:10	0.27	0.99	7.22	1292	15.6	
Hatch Drain @ Tuolumne Rd	7/22/08	9:50	0.37	0.67	7.18	1326	16.64	
Hatch Drain @ Tuolumne Rd	7/29/08	8:20	NA	0.9	7.2	1301	16.66	Discharge not measured due to toxicity resampling only.
Hatch Drain @ Tuolumne Rd	8/19/08	10:30	0.37	1.4	7.25	1330	17.28	
Hatch Drain @ Tuolumne Rd	8/26/08	19:50	0.2	1.1	7.01	1493	27.28	
Hatch Drain @ Tuolumne Rd	8/28/08	10:40	NA	1.31	7.14	1391	17.97	Discharge not measured due to sediment toxicity monitoring only.
Hatch Drain @ Tuolumne Rd	9/23/08	10:10	0.26	1.69	7.28	1295	14.29	
Hatch Drain @ Tuolumne Rd	10/2/08	11:50	NA	2.14	7.21	1455	18.7	Discharge not measured due to sediment toxicity resampling only.
Highline Canal @ Hwy 99	4/22/08	13:10	NA	7.01	7.64	42	16.99	Water too deep to wade, discharge not measured.
Highline Canal @ Hwy 99	4/29/08	8:30	34.66	8.17	8.25	44	18.15	
Highline Canal @ Hwy 99	5/7/08	11:50	NA	10.05	8.69	43	20.74	Discharge not measured due to toxicity monitoring only.
Highline Canal @ Hwy 99	5/20/08	13:40	81.42	10.25	8.11	42	22.71	
Highline Canal @ Hwy 99	5/27/08	19:00	NA	NA	NA	NA	NA	Discharge not measured due to toxicity monitoring only; Field parameters not measured due to no field exceedances on 5/20/08.
Highline Canal @ Hwy 99	6/3/08	11:10	57.91	10.78	8.61	40	20.12	
Highline Canal @ Hwy 99	6/17/08	13:30	NA	11.4	8.47	43	26.6	Water too deep to wade, discharge not measured.
Highline Canal @ Hwy 99	7/8/08	10:20	NA	8.93	8.36	39	24.77	Water too deep to wade, discharge not measured.
Highline Canal @ Hwy 99	7/22/08	15:00	NA	10.2	8.05	43	22.58	
Highline Canal @ Hwy 99	8/5/08	9:20	NA	8.04	7.67	42	21.34	Water too deep to wade, discharge not measured.
Highline Canal @ Hwy 99	8/19/08	16:00	37.45	10.76	9.24	39	24.04	
Highline Canal @ Hwy 99	8/28/08	13:50	NA	9.87	8.2	39	24.87	Discharge not measured due to sediment toxicity monitoring only.
Highline Canal @ Hwy 99	9/9/08	14:00	NA	10.41	8.73	37	23.58	Discharge not measured due to toxicity monitoring only.
Highline Canal @ Hwy 99	9/23/08	13:50	NA	10.58	7.97	37	21.56	Water too deep to wade, discharge not measured.
Highline Canal @ Hwy 99	10/2/08	14:20	NA	NA	NA	NA	NA	Discharge not measured due to sediment toxicity resampling only.
Highline Canal @ Lombardy Rd	4/22/08	12:20	NA	7.58	7.29	42	16.26	Water too deep to wade, discharge not measured.
Highline Canal @ Lombardy Rd	5/7/08	11:00	96.95	9.57	7.99	45	18.7	
Highline Canal @ Lombardy Rd	5/20/08	12:40	NA	10.06	7.12	41	20.58	Water too deep to wade, discharge not measured.
Highline Canal @ Lombardy Rd	5/27/08	19:20	NA	NA	NA	NA	NA	Discharge not measured due to toxicity monitoring only; Field parameters not measured due to no exceedances on 5/20/08.
Highline Canal @ Lombardy Rd	6/3/08	11:50	NA	11.44	7.78	40	19.54	Discharge not measured due to toxicity monitoring only.
Highline Canal @ Lombardy Rd	6/17/08	12:50	NA	10.81	7.54	39	21.22	Water too deep to wade, discharge not measured.
Highline Canal @ Lombardy Rd	7/8/08	14:40	NA	9.92	8.56	39	24.35	Water too deep to wade, discharge not measured.
Highline Canal @ Lombardy Rd	7/22/08	14:20	NA	10.78	7.71	37	21.53	Water too deep to wade, discharge not measured.

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Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, µS/cm	Temperature °C	Field Result Comments
Highline Canal @ Lombardy Rd	8/5/08	9:40	NA	8.49	6.96	50	20.11	Discharge not measured due to toxicity monitoring only.
Highline Canal @ Lombardy Rd	8/19/08	14:10	69.59	8.7	8.65	37	22.75	
Highline Canal @ Lombardy Rd	8/28/08	15:30	NA	10.03	7.1	38	23.92	Discharge not measured due to sediment toxicity monitoring only.
Highline Canal @ Lombardy Rd	9/9/08	14:30	NA	10.49	7.99	37	22.6	Discharge not measured due to toxicity monitoring only.
Highline Canal @ Lombardy Rd	9/23/08	13:10	NA	9.69	7.68	40	20.52	Water too deep to wade, discharge not measured.
Highline Canal @ Lombardy Rd	10/2/08	14:50	NA	NA	NA	NA	NA	Discharge not measured due to sediment toxicity resampling only.
Hilmar Drain @ Central Ave	4/22/08	15:20	2.11	15.42	8.26	1482	17.98	
Hilmar Drain @ Central Ave	4/29/08	9:40	0.29	4.48	7.59	809	15.75	
Hilmar Drain @ Central Ave	5/20/08	13:30	3.44	11.55	7.86	963	22.64	
Hilmar Drain @ Central Ave	6/3/08	10:10	8.74	9.18	7.55	632	16.99	
Hilmar Drain @ Central Ave	6/17/08	13:10	1.21	10.26	7.97	1060	26.11	
Hilmar Drain @ Central Ave	7/22/08	12:10	4.48	13.79	7.97	1074	22.86	
Hilmar Drain @ Central Ave	8/19/08	12:30	2.03	10.93	7.97	1590	21.21	
Hilmar Drain @ Central Ave	8/28/08	11:45	NA	6.32	7.44	1172	23	Discharge not measured due to sediment toxicity monitoring only.
Hilmar Drain @ Central Ave	9/23/08	12:40	12.47	8.02	7.6	943	19.75	
Hilmar Drain @ Central Ave	9/30/08	18:10	NA	8.12	7.65	733	22.54	Discharge not measured due to toxicity resampling only.
Hilmar Drain @ Central Ave	10/2/08	13:00	NA	7.27	7.67	1241	20.44	Discharge not measured due to sediment toxicity resampling only.
Hilmar Drain @ Mitchell Rd	7/22/08	13:00	2.98	6.93	7.12	995	19.81	
Hilmar Drain @ Mitchell Rd	7/29/08	9:00	NA	1.81	7.19	770	19.82	Discharge not measured due to toxicity monitoring only.
Livingston Drain @ Robin Ave	4/22/08	14:00	1.07	11.71	8.27	502	19.21	
Livingston Drain @ Robin Ave	4/29/08	10:30	NA	NA	NA	NA	NA	Discharge not measured due to toxicity monitoring only; Field parameters not measured due to no exceedances on 04/22/08.
Livingston Drain @ Robin Ave	5/7/08	12:20	1.67	7.01	8.06	318	22.51	Discharge measured in a culvert; calculated using the culvert calculator.
Livingston Drain @ Robin Ave	5/20/08	15:50	4.1	11.58	8.79	248	26.83	
Livingston Drain @ Robin Ave	5/27/08	18:30	NA	15.56	8.68	382	21.35	Discharge not measured due to toxicity monitoring only.
Livingston Drain @ Robin Ave	6/3/08	12:30	1.58	10.29	8.54	316	22.18	
Livingston Drain @ Robin Ave	6/17/08	15:30	2.91	20.65	8.97	426	28.75	
Livingston Drain @ Robin Ave	7/8/08	11:00	0.36	8.19	8.97	105	29.69	
Livingston Drain @ Robin Ave	7/22/08	15:20	3.09	11.79	8.46	298	26.01	
Livingston Drain @ Robin Ave	8/19/08	13:50	3.09	9.64	8.03	241	24.92	
Livingston Drain @ Robin Ave	8/28/08	13:00	NA	8.93	8.67	220	27.14	Discharge not measured due to sediment toxicity monitoring only.
Livingston Drain @ Robin Ave	9/9/08	13:20	2.45	12.23	8.72	265	25.95	
Livingston Drain @ Robin Ave	9/23/08	15:20	1.93	15.45	9.02	320	25.64	
Merced River @ Santa Fe	4/22/08	11:20	344	6.06	7.38	69	15.6	
Merced River @ Santa Fe	5/20/08	11:40	258	9.04	7.07	62	20.28	Discharge from CDEC online.
Merced River @ Santa Fe	6/17/08	12:00	78	7.82	7	59	25.52	

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Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, µS/cm	Temperature °C	Field Result Comments
Merced River @ Santa Fe	7/8/08	15:00	NA	7.58	7.41	55	29.07	Discharge not measured due to toxicity monitoring only.
Merced River @ Santa Fe	7/22/08	13:30	170	8.33	7.26	45	24.48	Discharge from CDEC online.
Merced River @ Santa Fe	8/5/08	10:10	NA	7.24	7.37	49	25.35	Discharge not measured due to toxicity monitoring only.
Merced River @ Santa Fe	8/19/08	12:40	91	7.5	7.38	43	26.39	
Merced River @ Santa Fe	8/28/08	16:20	NA	8.75	7.43	43	27.99	Discharge not measured due to sediment toxicity monitoring only.
Merced River @ Santa Fe	9/23/08	12:10	141	9.15	7.28	39	20.83	
Miles Creek @ Reilly Rd	4/29/08	14:40	1.31	7.28	7.87	188	21.11	
Miles Creek @ Reilly Rd	5/7/08	13:40	0.98	7.14	7.59	189	22.04	
Miles Creek @ Reilly Rd	5/7/08	13:45	0.98	7.14	7.59	189	22.04	
Miles Creek @ Reilly Rd	5/27/08	14:20	0.22	7.16	7.63	168	19.8	
Miles Creek @ Reilly Rd	6/3/08	13:20	0.67	7.15	7.46	180	22.45	
Miles Creek @ Reilly Rd	6/24/08	14:10	0.38	4.76	7.06	122	25.58	
Miles Creek @ Reilly Rd	7/29/08	15:20	0.42	5.34	6.81	86	25.4	
Miles Creek @ Reilly Rd	8/5/08	12:30	0.36	6.93	7.19	119	23.02	
Miles Creek @ Reilly Rd	8/26/08	13:00	0.57	5.86	7.42	190	23.72	
Miles Creek @ Reilly Rd	8/28/08	13:00	NA	5.33	7.26	165	24.67	Discharge not measured due to sediment toxicity monitoring only.
Miles Creek @ Reilly Rd	9/30/08	13:50	0.44	6.34	7.49	183	23.77	
Miles Creek @ Reilly Rd	10/2/08	13:00	NA	7.25	7.63	171	22.84	Discharge not measured due to sediment toxicity resampling only.
Mustang Creek @ East Ave	4/22/08	10:00	NA	NA	NA	NA	NA	Dry site
Mustang Creek @ East Ave	5/20/08	10:30	NA	NA	NA	NA	NA	Dry site
Mustang Creek @ East Ave	6/17/08	10:20	NA	NA	NA	NA	NA	Dry site
Mustang Creek @ East Ave	7/22/08	10:20	NA	NA	NA	NA	NA	Dry site
Mustang Creek @ East Ave	8/19/08	10:50	NA	NA	NA	NA	NA	Dry site
Mustang Creek @ East Ave	8/28/08	16:13	NA	NA	NA	NA	NA	Dry site
Mustang Creek @ East Ave	9/23/08	10:47	NA	NA	NA	NA	NA	Dry site
North Slough @ Hwy 59	7/29/08	13:21	NA	NA	NA	NA	NA	Dry site
Prairie Flower Drain @ Crows Landing Rd	4/22/08	11:50	0.57	17.06	7.84	2548	17.74	
Prairie Flower Drain @ Crows Landing Rd	4/29/08	9:10	NA	5.44	7.63	1739	17.03	Discharge not measured due to toxicity monitoring only.
Prairie Flower Drain @ Crows Landing Rd	5/20/08	12:00	0.94	7.49	7.64	2526	23.17	
Prairie Flower Drain @ Crows Landing Rd	5/27/08	18:40	NA	8.09	7.5	2273	19.14	Discharge not measured due to toxicity monitoring only.
Prairie Flower Drain @ Crows Landing Rd	6/17/08	11:30	0.33	13.6	7.56	2049	22.48	
Prairie Flower Drain @ Crows Landing Rd	7/22/08	10:40	6.1	2.51	7.23	1012	21.16	

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Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, µS/cm	Temperature °C	Field Result Comments
Prairie Flower Drain @ Crows Landing Rd	8/19/08	11:20	4.67	4.93	7.45	956	21.01	
Prairie Flower Drain @ Crows Landing Rd	8/28/08	11:10	NA	8.7	7.5	1114	22.5	Discharge not measured due to sediment toxicity monitoring only.
Prairie Flower Drain @ Crows Landing Rd	9/23/08	11:00	0.63	16.5	8.25	2525	19.42	
Prairie Flower Drain @ Crows Landing Rd	10/2/08	12:20	NA	7.19	7.6	2449	20.85	Discharge not measured due to sediment toxicity resampling only.
Prairie Flower Drain at Morgan Road	4/22/08	12:50	-0.97	3.29	7.03	2574	14.83	
Prairie Flower Drain at Morgan Road	5/20/08	13:00	0.69	1.17	7.11	2026	17.52	
Prairie Flower Drain at Morgan Road	6/17/08	12:30	0	9.8	7.29	2893	19.37	Discharge not measured due to no observed flow.
Prairie Flower Drain at Morgan Road	7/22/08	11:30	2.38	2.76	7.05	1417	18.92	
Prairie Flower Drain at Morgan Road	8/19/08	12:10	2.18	3.63	7.21	1300	19.11	
Prairie Flower Drain at Morgan Road	9/23/08	11:50	0.92	3.3	7.18	2675	18.08	
Reclamation Drain @ Williams Ave	7/22/08	13:10	0.45	17.11	7.77	1558	24.8	
Silva Drain @ Meadow Dr	4/22/08	10:30	0	5.02	7.62	505	13.92	Discharge not measured due to no observed flow.
Silva Drain @ Meadow Dr	5/20/08	11:00	0	0.7	6.82	95	23.57	Discharge not measured due to no observed flow.
Silva Drain @ Meadow Dr	6/17/08	10:50	0	8.62	7.28	627	21.51	Discharge not measured due to no observed flow.
Silva Drain @ Meadow Dr	6/24/08	18:50	NA	NA	NA	NA	NA	Discharge not measured due to toxicity monitoring only; Field parameters not taken due to no exceedances on 06/17/08.
Silva Drain @ Meadow Dr	7/8/08	15:30	1.39	1.38	7.33	260	28.16	
Silva Drain @ Meadow Dr	7/22/08	11:00	0	2.1	6.82	153	21.49	Discharge not measured due to no observed flow.
Silva Drain @ Meadow Dr	7/29/08	17:40	NA	5.96	8.13	113	21.09	Discharge not measured due to toxicity resampling only.
Silva Drain @ Meadow Dr	8/5/08	10:20	5.46	3.37	7.04	146	23.42	
Silva Drain @ Meadow Dr	8/19/08	11:30	0.53	3.73	7.54	70	22.42	
Silva Drain @ Meadow Dr	8/28/08	16:40	NA	3.32	6.86	56	27.42	Discharge not measured due to sediment toxicity monitoring only.
Silva Drain @ Meadow Dr	9/23/08	11:20	0.14	6.19	7.86	101	21.27	
Silva Drain @ Meadow Dr	10/2/08	15:00	NA	6.11	8.51	84	22.31	Discharge not measured due to sediment toxicity resampling only.
South Slough @ Quinley Rd	4/29/08	11:20	0	5.8	7.2	183	17.47	Discharge not measured due to no observed flow.
South Slough @ Quinley Rd	5/7/08	12:47	NA	NA	NA	NA	NA	Dry site
South Slough @ Quinley Rd	5/27/08	9:46	NA	NA	NA	NA	NA	Dry site
South Slough @ Quinley Rd	6/24/08	9:20	8.49	8.29	7.05	54	19.52	
South Slough @ Quinley Rd	7/29/08	10:10	8.48	8.79	7.44	42	21.31	
South Slough @ Quinley Rd	8/26/08	8:56	NA	NA	NA	NA	NA	

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Station Name	Sample Date	Sample Time	Discharge, cfs	Oxygen, Dissolved mg/L	pH, none	Specific Conductivity, $\mu\text{S}/\text{cm}$	Temperature $^{\circ}\text{C}$	Field Result Comments
Westport Drain @ Vivian Rd	4/22/08	8:20	1.26	4.44	7.44	1079	14.65	
Westport Drain @ Vivian Rd	4/29/08	8:30	NA	4.76	7.3	1106	16.38	Discharge not measured due to toxicity monitoring only.
Westport Drain @ Vivian Rd	5/20/08	8:50	2.42	6.95	7.48	1084	20.83	
Westport Drain @ Vivian Rd	6/17/08	8:50	2.76	5.43	7.28	1107	18.62	
Westport Drain @ Vivian Rd	7/22/08	9:00	2.78	5.02	7.17	1079	18.71	
Westport Drain @ Vivian Rd	8/19/08	9:40	1.54	3.59	7.23	1088	18.87	
Westport Drain @ Vivian Rd	8/28/08	9:50	NA	7.12	7.21	1100	19.85	Discharge not measured due to sediment toxicity monitoring only.
Westport Drain @ Vivian Rd	9/23/08	9:20	1.9	7.05	7.35	1097	16.68	
Westport Drain @ Vivian Rd	10/2/08	11:20	NA	12.53	7.59	1093	20.13	Discharge not measured due to sediment toxicity resampling only.

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**Table I - 2. ESJWQC environmental sample results for organic analysis.**

Samples are sorted by station name, analyte, and sample date.

Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	67.3	%	=	NA	NA	100	None	PR 16-146	
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Isoxaben (Surrogate)	83	%	=	NA	NA	100	None	PR 47-134	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	65.3	%	=	NA	NA	100	None	PR 15-98	
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 619	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 62-145	
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Tributylphosphate (Surrogate)	76.4	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8321A	Tributylphosphate (Surrogate)	86.6	%	=	NA	NA	100	None	PR 36-140	
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 619	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 54-144	
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 56-129	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	4/29/08	16:20	EPA 8141A	Triphenyl phosphate (Surrogate)	75.2	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	MPM	5/7/08	14:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Bear Creek @ Kibby Rd	MPM	5/7/08	14:40	EPA 8141A	Tributylphosphate (Surrogate)	117	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	MPM	5/7/08	14:40	EPA 8141A	Triphenyl phosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	97.9	%	=	NA	NA	100	None	PR 16-146	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		

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Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Isoxaben (Surrogate)	92.2	%	=	NA	NA	100	None	PR 47-134	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	59.2	%	=	NA	NA	100	None	PR 15-98	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 619	Tributylphosphate (Surrogate)	83.3	%	=	NA	NA	100	None	PR 62-145	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Tributylphosphate (Surrogate)	83.3	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Tributylphosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8321A	Tributylphosphate (Surrogate)	88.3	%	=	NA	NA	100	None	PR 36-140	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 619	Triphenyl phosphate (Surrogate)	74	%	=	NA	NA	100	None	PR 54-144	

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Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Triphenyl phosphate (Surrogate)	74	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	5/27/08	16:40	EPA 8141A	Triphenyl phosphate (Surrogate)	84.2	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	104	%	=	NA	NA	100	None	PR 16-146	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	58.6	%	=	NA	NA	100	None	PR 15-98	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 619	Tributylphosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 62-145	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Tributylphosphate (Surrogate)	115	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8321A	Tributylphosphate (Surrogate)	74.7	%	=	NA	NA	100	None	PR 36-140	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 619	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100	None	PR 54-144	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	6/24/08	16:50	EPA 8141A	Triphenyl phosphate (Surrogate)	122	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	MPM	7/8/08	13:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	MPM	7/8/08	13:40	EPA 8141A	Tributylphosphate (Surrogate)	92.3	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	MPM	7/8/08	13:40	EPA 8141A	Triphenyl phosphate (Surrogate)	73.4	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	51.2	%	=	NA	NA	100	None	PR 16-146	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	41.8	%	=	NA	NA	100	None	PR 15-98	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 619	Tributylphosphate (Surrogate)	88.5	%	=	NA	NA	100	None	PR 62-145	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Tributylphosphate (Surrogate)	88.5	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Tributylphosphate (Surrogate)	71	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8321A	Tributylphosphate (Surrogate)	69.5	%	=	NA	NA	100	None	PR 36-140	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 619	Triphenyl phosphate (Surrogate)	85.6	%	=	NA	NA	100	None	PR 54-144	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Triphenyl phosphate (Surrogate)	77.2	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	7/29/08	18:00	EPA 8141A	Triphenyl phosphate (Surrogate)	85.6	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	73	%	=	NA	NA	100	None	PR 16-146	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	74	%	=	NA	NA	100	None	PR 15-98	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 62-145	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Tributylphosphate (Surrogate)	79	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8321A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 36-140	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 619	Triphenyl phosphate (Surrogate)	97.4	%	=	NA	NA	100	None	PR 54-144	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Triphenyl phosphate (Surrogate)	71.6	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	8/26/08	16:00	EPA 8141A	Triphenyl phosphate (Surrogate)	97.4	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		

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Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.1	%	=	NA	NA	100	None	PR 16-146	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		

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Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.1	%	=	NA	NA	100	None	PR 15-98	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 619	Tributylphosphate (Surrogate)	98.3	%	=	NA	NA	100	None	PR 62-145	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	98.3	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	80.2	%	=	NA	NA	100	None	PR 60-150	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8321A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 36-140	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 619	Triphenyl phosphate (Surrogate)	89.6	%	=	NA	NA	100	None	PR 54-144	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	89.6	%	=	NA	NA	100	None	PR 56-129	
Bear Creek @ Kibby Rd	E	9/30/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	86.7	%	=	NA	NA	100	None	PR 56-129	
Berenda Slough @ Rd 19	E	7/29/08	13:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Berenda Slough @ Rd 19	E	7/29/08	13:40	EPA 8141A	Tributylphosphate (Surrogate)	96.5	%	=	NA	NA	100	None	PR 60-150	
Berenda Slough @ Rd 19	E	7/29/08	13:40	EPA 8141A	Triphenyl phosphate (Surrogate)	92.2	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Chlorpyrifos	0.0078	µg/L	DNQ	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	66.5	%	=	NA	NA	100	None	PR 16-146	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	15		Reporting limits elevated due to matrix interferences		

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Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Isoxaben (Surrogate)	92.6	%	=	NA	NA	100	None	PR 47-134	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	56.2	%	=	NA	NA	100	None	PR 15-98	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 619	Tributylphosphate (Surrogate)	119	%	=	NA	NA	100	None	PR 62-145	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Tributylphosphate (Surrogate)	119	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Tributylphosphate (Surrogate)	62.8	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8321A	Tributylphosphate (Surrogate)	125	%	=	NA	NA	100	None	PR 36-140	

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Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 619	Triphenyl phosphate (Surrogate)	123	%	=	NA	NA	100	None	PR 54-144	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Triphenyl phosphate (Surrogate)	123	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	EPA 8141A	Triphenyl phosphate (Surrogate)	60.5	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	MPM	5/7/08	15:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	MPM	5/7/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	121	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	MPM	5/7/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 619	Cyanazine	0.96	µg/L	=	0.09	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	94.1	%	=	NA	NA	100	None	PR 16-146	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		

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Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Isoxaben (Surrogate)	94.3	%	=	NA	NA	100	None	PR 47-134	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 549.2M	Paraquat dichloride	0.61	µg/L	=	0.21	0.4		A holding time violation has occurred.		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		

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Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 619	Simazine	0.68	µg/L	=	0.08	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	52.3	%	=	NA	NA	100	None	PR 15-98	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 62-145	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8321A	Tributylphosphate (Surrogate)	96.7	%	=	NA	NA	100	None	PR 36-140	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 619	Triphenyl phosphate (Surrogate)	93.9	%	=	NA	NA	100	None	PR 54-144	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Triphenyl phosphate (Surrogate)	93.9	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	5/27/08	15:40	EPA 8141A	Triphenyl phosphate (Surrogate)	89.7	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Azinphos methyl	<0.021	µg/L	ND	0.021	0.18		Elevated reporting limits due to limited sample volume		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Chlorpyrifos	<0.0026	µg/L	ND	0.0026	0.036		Elevated reporting limits due to limited sample volume		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Cypermethrin, total	<0.01	µg/L	ND	0.01	0.1		Elevated reporting limits due to limited sample volume		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	83.6	%	=	NA	NA	100	None	PR 16-146	
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Diazinon	<0.0035	µg/L	ND	0.0035	0.036		Elevated reporting limits due to limited sample volume		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.18		Elevated reporting limits due to limited sample volume		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	54.5	%	=	NA	NA	100	None	PR 15-98	
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 619	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 62-145	
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	125	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8321A	Tributylphosphate (Surrogate)	80.5	%	=	NA	NA	100	None	PR 36-140	
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 619	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 54-144	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	127	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	MPM	7/8/08	13:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	MPM	7/8/08	13:10	EPA 8141A	Tributylphosphate (Surrogate)	84	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	MPM	7/8/08	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	74.2	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	52.5	%	=	NA	NA	100	None	PR 16-146	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		

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Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		

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Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	67.8	%	=	NA	NA	100	None	PR 15-98	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 619	Tributylphosphate (Surrogate)	87.9	%	=	NA	NA	100	None	PR 62-145	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Tributylphosphate (Surrogate)	87.9	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Tributylphosphate (Surrogate)	78.1	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8321A	Tributylphosphate (Surrogate)	86.8	%	=	NA	NA	100	None	PR 36-140	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 619	Triphenyl phosphate (Surrogate)	85.3	%	=	NA	NA	100	None	PR 54-144	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Triphenyl phosphate (Surrogate)	86.3	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	EPA 8141A	Triphenyl phosphate (Surrogate)	85.3	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	MPM	8/5/08	13:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	MPM	8/5/08	13:20	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	MPM	8/5/08	13:20	EPA 8141A	Triphenyl phosphate (Surrogate)	126	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.2	%	=	NA	NA	100	None	PR 16-146	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	68.9	%	=	NA	NA	100	None	PR 15-98	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 619	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 62-145	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Tributylphosphate (Surrogate)	79.8	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8321A	Tributylphosphate (Surrogate)	124	%	=	NA	NA	100	None	PR 36-140	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 619	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 54-144	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	EPA 8141A	Triphenyl phosphate (Surrogate)	71.6	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	MPM	9/9/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	MPM	9/9/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	MPM	9/9/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 56-129	
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		

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Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	63.6	%	=	NA	NA	100	None	PR 16-146	
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		

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Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	65.5	%	=	NA	NA	100	None	PR 15-98	
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 619	Tributylphosphate (Surrogate)	99.5	%	=	NA	NA	100	None	PR 62-145	
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Tributylphosphate (Surrogate)	99.5	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Tributylphosphate (Surrogate)	74.8	%	=	NA	NA	100	None	PR 60-150	
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8321A	Tributylphosphate (Surrogate)	93.9	%	=	NA	NA	100	None	PR 36-140	
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 619	Triphenyl phosphate (Surrogate)	92.9	%	=	NA	NA	100	None	PR 54-144	
Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Triphenyl phosphate (Surrogate)	81.7	%	=	NA	NA	100	None	PR 56-129	

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Black Rascal Creek @ Yosemite Rd	E	9/30/08	14:20	EPA 8141A	Triphenyl phosphate (Surrogate)	92.9	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	69	%	=	NA	NA	100	None	PR 16-146	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Diuron	0.63	µg/L	=	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Isoxaben (Surrogate)	100	%	=	NA	NA	100	None	PR 47-134	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 619	Simazine	0.11	µg/L	DNQ	0.08	0.5		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	59.2	%	=	NA	NA	100	None	PR 15-98	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 619	Tributylphosphate (Surrogate)	127	%	=	NA	NA	100	None	PR 62-145	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	127	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	69.7	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	98.8	%	=	NA	NA	100	None	PR 36-140	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	129	%	=	NA	NA	100	None	PR 54-144	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	67.8	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	129	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		

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Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 619	Cyanazine	1.1	µg/L	=	0.09	0.5		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	104	%	=	NA	NA	100	None	PR 16-146	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Diuron	0.23	µg/L	DNQ	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Isoxaben (Surrogate)	93.7	%	=	NA	NA	100	None	PR 47-134	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Phosmet	0.17	µg/L	DNQ	0.06	0.2		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 619	Simazine	0.83	µg/L	=	0.08	0.5		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	61.4	%	=	NA	NA	100	None	PR 15-98	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Thiobencarb	<0.06	µg/L	=	0.06	0.5		None		
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 619	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 62-145	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	114	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8321A	Tributylphosphate (Surrogate)	90.3	%	=	NA	NA	100	None	PR 36-140	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 619	Triphenyl phosphate (Surrogate)	92.5	%	=	NA	NA	100	None	PR 54-144	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	87.6	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	92.5	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	86	%	=	NA	NA	100	None	PR 16-146	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	52.6	%	=	NA	NA	100	None	PR 15-98	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 619	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 62-145	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	97	%	=	NA	NA	100	None	PR 36-140	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 54-144	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	77.9	%	=	NA	NA	100	None	PR 16-146	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		Surrogate recovery is outside of control limits		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		

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Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	97.2	%	=	NA	NA	100	None	PR 15-98	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 619	Tributylphosphate (Surrogate)	113	%	=	NA	NA	100	None	PR 62-145	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Tributylphosphate (Surrogate)	56.8	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 60-150	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Tributylphosphate (Surrogate)	113	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8321A	Tributylphosphate (Surrogate)	70.3	%	=	NA	NA	100	None	PR 36-140	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 619	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 54-144	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Triphenyl phosphate (Surrogate)	62.4	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	EPA 8141A	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	62.8	%	=	NA	NA	100	None	PR 16-146	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		

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Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	69.6	%	=	NA	NA	100	None	PR 15-98	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 62-145	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	67	%	=	NA	NA	100	None	PR 60-150	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100	None	PR 36-140	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	96.5	%	=	NA	NA	100	None	PR 54-144	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	59.9	%	=	NA	NA	100	None	PR 56-129	
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	96.5	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	62	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Dieldrin	0.028	µg/L	=	0.005	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Diuron	0.71	µg/L	=	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	20		Reporting limits elevated due to matrix interferences		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Isoxaben (Surrogate)	98.6	%	=	NA	NA	100	None	PR 47-134	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		Surrogate recovery is outside of control limits		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 619	Simazine	0.93	µg/L	=	0.08	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	48	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 619	Tributylphosphate (Surrogate)	118	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Tributylphosphate (Surrogate)	57.3	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Tributylphosphate (Surrogate)	118	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8321A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 619	Triphenyl phosphate (Surrogate)	114	%	=	NA	NA	100	None	PR 54-144	

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Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Triphenyl phosphate (Surrogate)	60.3	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	EPA 8141A	Triphenyl phosphate (Surrogate)	114	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	92.9	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Diuron	0.65	µg/L	=	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Isoxaben (Surrogate)	106	%	=	NA	NA	100	None	PR 47-134	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 619	Simazine	1	µg/L	=	0.08	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	48.9	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 619	Tributylphosphate (Surrogate)	80.5	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	80.5	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	130	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	86.1	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	72.6	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	72.6	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 619	Cyanazine	0.42	µg/L	DNQ	0.09	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	93.1	%	=	NA	NA	100	None	PR 16-146	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 619	Simazine	0.25	µg/L	DNQ	0.08	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	66.9	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	99.1	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	49.5	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Chlorpyrifos	0.0067	µg/L	DNQ	0.003	0.02		Primary and confirmation results varied by > than 40%		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	61.9	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	74.5	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 619	Tributylphosphate (Surrogate)	96.6	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Tributylphosphate (Surrogate)	68	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Tributylphosphate (Surrogate)	96.6	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8321A	Tributylphosphate (Surrogate)	69.6	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 619	Triphenyl phosphate (Surrogate)	89.3	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Triphenyl phosphate (Surrogate)	70.4	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	EPA 8141A	Triphenyl phosphate (Surrogate)	89.3	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.2	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Esfenvalerate/Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	71.1	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 619	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	73.3	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8321A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 619	Triphenyl phosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	8/26/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	72.9	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	60.8	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		

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Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	64	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 619	Tributylphosphate (Surrogate)	85.8	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	85.8	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	77.3	%	=	NA	NA	100	None	PR 54-144	

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Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	77.3	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	88.8	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.8	%	=	NA	NA	100	None	PR 16-146	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Diuron	0.7	µg/L	=	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Isoxaben (Surrogate)	104	%	=	NA	NA	100	None	PR 47-134	
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 619	Simazine	0.45	µg/L	DNQ	0.08	0.5		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	64.6	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		Surrogate recovery is outside of control limits		
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 619	Tributylphosphate (Surrogate)	182	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 62-145	
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Tributylphosphate (Surrogate)	182	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 60-150	
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Tributylphosphate (Surrogate)	63.4	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8321A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 36-140	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 619	Triphenyl phosphate (Surrogate)	132	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Triphenyl phosphate (Surrogate)	61.3	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	4/29/08	13:50	EPA 8141A	Triphenyl phosphate (Surrogate)	132	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	95	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Diuron	0.74	µg/L	=	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Isoxaben (Surrogate)	93.9	%	=	NA	NA	100	None	PR 47-134	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 619	Simazine	1.2	µg/L	=	0.08	0.5		None		

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Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	52.5	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 619	Tributylphosphate (Surrogate)	85.3	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	85.3	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	75.2	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8321A	Tributylphosphate (Surrogate)	77	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 619	Triphenyl phosphate (Surrogate)	78.5	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	59.4	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	5/27/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	78.5	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	75.6	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Diuron	0.28	µg/L	DNQ	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Methomyl	0.06	µg/L	DNQ	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 549.2M	Paraquat dichloride	1.5	µg/L	=	0.21	0.4		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		

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Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 619	Simazine	1.6	µg/L	=	0.08	0.5		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	49.4	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 619	Tributylphosphate (Surrogate)	86.4	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	90.4	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	70.5	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	81.8	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	84.3	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	6/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	67	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.7	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 619	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	66.8	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	78.9	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	85.5	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	78.5	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	7/29/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	85.5	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	MPM	8/5/08	12:00	EPA 8141A	Chlorpyrifos	0.14	µg/L	=	0.003	0.02		None		
Deadman Creek @ Hwy 59	MPM	8/5/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	85.1	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	MPM	8/5/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	78.2	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		

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Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Chlorpyrifos	0.015	µg/L	DNQ	0.003	0.02		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	76.1	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		

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Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	75.6	%	=	NA	NA	100	None	PR 15-98	
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 619	Tributylphosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Tributylphosphate (Surrogate)	71	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Tributylphosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8321A	Tributylphosphate (Surrogate)	83.5	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 619	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Triphenyl phosphate (Surrogate)	64.1	%	=	NA	NA	100	None	PR 56-129	

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Deadman Creek @ Hwy 59	E	8/26/08	11:40	EPA 8141A	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	MPM	9/9/08	11:20	EPA 8141A	Chlorpyrifos	0.069	µg/L	=	0.003	0.02		None		
Deadman Creek @ Hwy 59	MPM	9/9/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	MPM	9/9/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Chlorpyrifos	0.015	µg/L	DNQ	0.003	0.02		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	54.9	%	=	NA	NA	100	None	PR 16-146	
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	48.8	%	=	NA	NA	100	None	PR 15-98	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 619	Tributylphosphate (Surrogate)	77.8	%	=	NA	NA	100	None	PR 62-145	
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Tributylphosphate (Surrogate)	77.8	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Tributylphosphate (Surrogate)	76.7	%	=	NA	NA	100	None	PR 60-150	
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8321A	Tributylphosphate (Surrogate)	130	%	=	NA	NA	100	None	PR 36-140	
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 619	Triphenyl phosphate (Surrogate)	73.2	%	=	NA	NA	100	None	PR 54-144	
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Triphenyl phosphate (Surrogate)	89.3	%	=	NA	NA	100	None	PR 56-129	
Deadman Creek @ Hwy 59	E	9/30/08	12:20	EPA 8141A	Triphenyl phosphate (Surrogate)	73.2	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		

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Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.6	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Diuron	0.37	µg/L	DNQ	0.2	0.4		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Isoxaben (Surrogate)	107	%	=	NA	NA	100	None	PR 47-134	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		

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Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	56.6	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 619	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	81.1	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	121	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	75.4	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	4/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	121	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 619	Cyanazine	0.82	µg/L	=	0.09	0.5		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	99.1	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Isoxaben (Surrogate)	87.3	%	=	NA	NA	100	None	PR 47-134	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		

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Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 619	Simazine	0.67	µg/L	=	0.08	0.5		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	54	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 619	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	76.7	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	95.8	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	90.3	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	5/27/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	96	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	78.9	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 547M	Glyphosate	11	µg/L	=	4	5		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	52.7	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 619	Tributylphosphate (Surrogate)	92.8	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Tributylphosphate (Surrogate)	96.8	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8321A	Tributylphosphate (Surrogate)	85.8	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 619	Triphenyl phosphate (Surrogate)	90.5	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	6/24/08	11:30	EPA 8141A	Triphenyl phosphate (Surrogate)	89.3	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		

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Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	63.1	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		

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Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	84	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 619	Tributylphosphate (Surrogate)	95.1	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	76.2	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	95.1	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8321A	Tributylphosphate (Surrogate)	83.3	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 619	Triphenyl phosphate (Surrogate)	93.6	%	=	NA	NA	100	None	PR 54-144	

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Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	93.6	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	7/29/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	86.5	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	59.9	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	58.3	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 62-145	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	74.1	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	65.9	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	66.2	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Rd 18	E	8/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.5	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Diuron	0.2	µg/L	DNQ	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Isoxaben (Surrogate)	73.6	%	=	NA	NA	100	None	PR 47-134	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	53.5	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 619	Tributylphosphate (Surrogate)	92.9	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Tributylphosphate (Surrogate)	71.6	%	=	NA	NA	100	None	PR 60-150	

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Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Tributylphosphate (Surrogate)	92.9	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8321A	Tributylphosphate (Surrogate)	79.8	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 619	Triphenyl phosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Triphenyl phosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	EPA 8141A	Triphenyl phosphate (Surrogate)	82.2	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	93.2	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		

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Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Isoxaben (Surrogate)	91.9	%	=	NA	NA	100	None	PR 47-134	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 619	Simazine	0.25	µg/L	DNQ	0.08	0.5		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	47.2	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 619	Tributylphosphate (Surrogate)	89.2	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Tributylphosphate (Surrogate)	121	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Tributylphosphate (Surrogate)	89.2	%	=	NA	NA	100	None	PR 60-150	

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Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8321A	Tributylphosphate (Surrogate)	73.9	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 619	Triphenyl phosphate (Surrogate)	82.4	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Triphenyl phosphate (Surrogate)	97	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	EPA 8141A	Triphenyl phosphate (Surrogate)	82.4	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	91.8	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 619	Simazine	0.084	µg/L	DNQ	0.08	0.5		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	51.7	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 619	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8321A	Tributylphosphate (Surrogate)	74.2	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 619	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Triphenyl phosphate (Surrogate)	69.9	%	=	NA	NA	100	None	PR 56-129	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	EPA 8141A	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Chlorpyrifos	0.03	µg/L	=	0.003	0.02		Primary and confirmation results varied by > than 40%		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	58.1	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Dimethoate	0.28	µg/L	=	0.08	0.1		Primary and confirmation results varied by > than 40%		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	71.3	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 619	Tributylphosphate (Surrogate)	93.2	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Tributylphosphate (Surrogate)	71	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Tributylphosphate (Surrogate)	93.2	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8321A	Tributylphosphate (Surrogate)	114	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 619	Triphenyl phosphate (Surrogate)	87.1	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Triphenyl phosphate (Surrogate)	87.1	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	EPA 8141A	Triphenyl phosphate (Surrogate)	78.8	%	=	NA	NA	100	None	PR 56-129	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	63.2	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Dimethoate	0.25	µg/L	=	0.08	0.1		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		

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Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	70.2	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 619	Tributylphosphate (Surrogate)	90.4	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Tributylphosphate (Surrogate)	90.4	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Tributylphosphate (Surrogate)	93.5	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8321A	Tributylphosphate (Surrogate)	72.5	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 619	Triphenyl phosphate (Surrogate)	95.7	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Triphenyl phosphate (Surrogate)	85.1	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	EPA 8141A	Triphenyl phosphate (Surrogate)	95.7	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		

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Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.2	%	=	NA	NA	100	None	PR 16-146	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	73.9	%	=	NA	NA	100	None	PR 15-98	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 619	Tributylphosphate (Surrogate)	96.7	%	=	NA	NA	100	None	PR 62-145	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Tributylphosphate (Surrogate)	96.7	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Tributylphosphate (Surrogate)	80	%	=	NA	NA	100	None	PR 60-150	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8321A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 36-140	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 619	Triphenyl phosphate (Surrogate)	94.5	%	=	NA	NA	100	None	PR 54-144	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Triphenyl phosphate (Surrogate)	90.1	%	=	NA	NA	100	None	PR 56-129	
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	EPA 8141A	Triphenyl phosphate (Surrogate)	94.5	%	=	NA	NA	100	None	PR 56-129	
Dry Creek at Road 22	MPM	4/29/08	14:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		Surrogate recovery is outside of control limits		
Dry Creek at Road 22	MPM	4/29/08	14:30	EPA 8141A	Tributylphosphate (Surrogate)	131	%	=	NA	NA	100	None	PR 60-150	
Dry Creek at Road 22	MPM	4/29/08	14:30	EPA 8141A	Triphenyl phosphate (Surrogate)	131	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek at Road 22	MPM	7/29/08	16:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek at Road 22	MPM	7/29/08	16:20	EPA 8141A	Tributylphosphate (Surrogate)	99	%	=	NA	NA	100	None	PR 60-150	
Dry Creek at Road 22	MPM	7/29/08	16:20	EPA 8141A	Triphenyl phosphate (Surrogate)	89.8	%	=	NA	NA	100	None	PR 56-129	
Dry Creek at Waterford	MPM	7/22/08	9:50	EPA 8141A	Chlorpyrifos	0.02	µg/L	=	0.003	0.02		None		
Dry Creek at Waterford	MPM	7/22/08	9:50	EPA 8141A	Tributylphosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 60-150	
Dry Creek at Waterford	MPM	7/22/08	9:50	EPA 8141A	Triphenyl phosphate (Surrogate)	94.6	%	=	NA	NA	100	None	PR 56-129	
Dry Creek at Waterford	MPM	8/19/08	9:50	EPA 8141A	Chlorpyrifos	0.023	µg/L	=	0.003	0.02		None		
Dry Creek at Waterford	MPM	8/19/08	9:50	EPA 8141A	Tributylphosphate (Surrogate)	99.4	%	=	NA	NA	100	None	PR 60-150	
Dry Creek at Waterford	MPM	8/19/08	9:50	EPA 8141A	Triphenyl phosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 56-129	
Dry Creek at Waterford	MPM	9/23/08	9:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Dry Creek at Waterford	MPM	9/23/08	9:50	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 60-150	
Dry Creek at Waterford	MPM	9/23/08	9:50	EPA 8141A	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Carbofuran	0.05	µg/L	DNQ	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	66.1	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Diuron	0.32	µg/L	DNQ	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Isoxaben (Surrogate)	103	%	=	NA	NA	100	None	PR 47-134	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		

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Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	57.9	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 619	Tributylphosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	75	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	94	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	118	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	118	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	4/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	73.7	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		

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Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	96.3	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Diuron	0.2	µg/L	DNQ	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 547M	Glyphosate	10	µg/L	<	4	10		Estimated value		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Isoxaben (Surrogate)	78.7	%	=	NA	NA	100	None	PR 47-134	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 619	Simazine	0.74	µg/L	=	0.08	0.5		Primary and confirmation results varied by > than 40%		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	49.9	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 619	Tributylphosphate (Surrogate)	85.7	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	89.5	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	85.7	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8321A	Tributylphosphate (Surrogate)	77.3	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 619	Triphenyl phosphate (Surrogate)	77.5	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	77.5	%	=	NA	NA	100	None	PR 56-129	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	5/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	63.6	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	101	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	74.3	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 619	Tributylphosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Tributylphosphate (Surrogate)	117	%	=	NA	NA	100	None	PR 60-150	

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Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Tributylphosphate (Surrogate)	91.8	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8321A	Tributylphosphate (Surrogate)	72.9	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 619	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	6/24/08	10:10	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Chlorpyrifos	0.011	µg/L	DNQ	0.003	0.02		Primary and confirmation results varied by > than 40%		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	60.7	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		

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Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		

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Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	82	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 619	Tributylphosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	78.1	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	77.9	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	97.2	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	97.2	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	7/29/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	75	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.3	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	60.7	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 619	Tributylphosphate (Surrogate)	99.4	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Tributylphosphate (Surrogate)	99.4	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Tributylphosphate (Surrogate)	75.2	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8321A	Tributylphosphate (Surrogate)	95.1	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 619	Triphenyl phosphate (Surrogate)	95.8	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	69.1	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	8/26/08	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	95.8	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.6	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		

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Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	64.2	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 619	Tributylphosphate (Surrogate)	87.4	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Tributylphosphate (Surrogate)	87.4	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Tributylphosphate (Surrogate)	80.2	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8321A	Tributylphosphate (Surrogate)	121	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 619	Triphenyl phosphate (Surrogate)	81.2	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Triphenyl phosphate (Surrogate)	81.2	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Gurr Rd	E	9/30/08	9:10	EPA 8141A	Triphenyl phosphate (Surrogate)	88.8	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		

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Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.3	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Isoxaben (Surrogate)	111	%	=	NA	NA	100	None	PR 47-134	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	65.4	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 619	Tributylphosphate (Surrogate)	125	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Tributylphosphate (Surrogate)	125	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Tributylphosphate (Surrogate)	72.2	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8321A	Tributylphosphate (Surrogate)	97	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 619	Triphenyl phosphate (Surrogate)	128	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Triphenyl phosphate (Surrogate)	67.6	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	4/29/08	16:00	EPA 8141A	Triphenyl phosphate (Surrogate)	128	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 619	Cyanazine	0.44	µg/L	DNQ	0.09	0.5		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	96.1	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Isoxaben (Surrogate)	76.6	%	=	NA	NA	100	None	PR 47-134	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 619	Simazine	0.75	µg/L	=	0.08	0.5		Primary and confirmation results varied by > than 40%		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	54.4	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 619	Tributylphosphate (Surrogate)	86.5	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	86.5	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	124	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8321A	Tributylphosphate (Surrogate)	79.4	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 619	Triphenyl phosphate (Surrogate)	79	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	96.2	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	5/27/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	79	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Azinphos methyl	<0.021	µg/L	ND	0.021	0.18		Elevated reporting limits due to limited sample volume		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Chlorpyrifos	<0.0026	µg/L	ND	0.0026	0.036		Elevated reporting limits due to limited sample volume		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 619	Cyanazine	0.55	µg/L	=	0.09	0.5		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	83.5	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Diazinon	<0.0035	µg/L	ND	0.0035	0.036		Elevated reporting limits due to limited sample volume		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Methidathion	<0.038	µg/L	ND	0.038	0.18		Elevated reporting limits due to limited sample volume		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	52.8	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 619	Tributylphosphate (Surrogate)	88.8	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	117	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	91.7	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	75.7	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	82.4	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	124	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	6/24/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	84.4	%	=	NA	NA	100	None	PR 56-129	

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Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Chlorpyrifos	0.0067	µg/L	DNQ	0.003	0.02		Primary and confirmation results varied by > than 40%		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	54.2	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		

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Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	80.1	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 619	Tributylphosphate (Surrogate)	98	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Tributylphosphate (Surrogate)	98	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Tributylphosphate (Surrogate)	78.8	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8321A	Tributylphosphate (Surrogate)	81.3	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 619	Triphenyl phosphate (Surrogate)	92.6	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Triphenyl phosphate (Surrogate)	92.6	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	7/29/08	17:40	EPA 8141A	Triphenyl phosphate (Surrogate)	84.6	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.8	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	64	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 619	Tributylphosphate (Surrogate)	98.2	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Tributylphosphate (Surrogate)	98.2	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Tributylphosphate (Surrogate)	64.7	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8321A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 619	Triphenyl phosphate (Surrogate)	94.2	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Triphenyl phosphate (Surrogate)	57.3	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	8/26/08	14:30	EPA 8141A	Triphenyl phosphate (Surrogate)	94.2	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		

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Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Chlorpyrifos	0.034	µg/L	=	0.003	0.02		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	67.9	%	=	NA	NA	100	None	PR 16-146	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		

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Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	71	%	=	NA	NA	100	None	PR 15-98	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 619	Tributylphosphate (Surrogate)	91.4	%	=	NA	NA	100	None	PR 62-145	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Tributylphosphate (Surrogate)	91.4	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Tributylphosphate (Surrogate)	70.6	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8321A	Tributylphosphate (Surrogate)	97.9	%	=	NA	NA	100	None	PR 36-140	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 619	Triphenyl phosphate (Surrogate)	86.4	%	=	NA	NA	100	None	PR 54-144	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Triphenyl phosphate (Surrogate)	86.4	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Hwy 99	E	9/30/08	15:10	EPA 8141A	Triphenyl phosphate (Surrogate)	78.1	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Whealan Rd	MPM	5/27/08	16:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Duck Slough @ Whealan Rd	MPM	5/27/08	16:00	EPA 8141A	Tributylphosphate (Surrogate)	144	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Whealan Rd	MPM	5/27/08	16:00	EPA 8141A	Triphenyl phosphate (Surrogate)	124	%	=	NA	NA	100	None	PR 56-129	
Duck Slough @ Whealan Rd	MPM	7/29/08	18:20	EPA 8141A	Chlorpyrifos	0.0081	µg/L	DNQ	0.003	0.02		None		
Duck Slough @ Whealan Rd	MPM	7/29/08	18:20	EPA 8141A	Tributylphosphate (Surrogate)	94.9	%	=	NA	NA	100	None	PR 60-150	
Duck Slough @ Whealan Rd	MPM	7/29/08	18:20	EPA 8141A	Triphenyl phosphate (Surrogate)	87.7	%	=	NA	NA	100	None	PR 56-129	

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Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	61.9	%	=	NA	NA	100	None	PR 16-146	
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Isoxaben (Surrogate)	71.3	%	=	NA	NA	100	None	PR 47-134	
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	51.1	%	=	NA	NA	100	None	PR 15-98	
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 619	Tributylphosphate (Surrogate)	76.3	%	=	NA	NA	100	None	PR 62-145	
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Tributylphosphate (Surrogate)	61.1	%	=	NA	NA	100	None	PR 60-150	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Tributylphosphate (Surrogate)	76.3	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8321A	Tributylphosphate (Surrogate)	80.1	%	=	NA	NA	100	None	PR 36-140	
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 619	Triphenyl phosphate (Surrogate)	92.4	%	=	NA	NA	100	None	PR 54-144	
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	55.9	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	92.4	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 619	Cyanazine	0.28	µg/L	DNQ	0.09	0.5		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	94.3	%	=	NA	NA	100	None	PR 16-146	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		

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Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Isoxaben (Surrogate)	104	%	=	NA	NA	100	None	PR 47-134	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		

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Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	46.7	%	=	NA	NA	100	None	PR 15-98	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 619	Tributylphosphate (Surrogate)	77.2	%	=	NA	NA	100	None	PR 62-145	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Tributylphosphate (Surrogate)	77.2	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8321A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 36-140	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 619	Triphenyl phosphate (Surrogate)	71.1	%	=	NA	NA	100	None	PR 54-144	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Triphenyl phosphate (Surrogate)	71.1	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	EPA 8141A	Triphenyl phosphate (Surrogate)	87.2	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	86.5	%	=	NA	NA	100	None	PR 16-146	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		

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Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	50.4	%	=	NA	NA	100	None	PR 15-98	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 619	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 62-145	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Tributylphosphate (Surrogate)	72.7	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8321A	Tributylphosphate (Surrogate)	82	%	=	NA	NA	100	None	PR 36-140	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 619	Triphenyl phosphate (Surrogate)	93.5	%	=	NA	NA	100	None	PR 54-144	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Triphenyl phosphate (Surrogate)	70.1	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	EPA 8141A	Triphenyl phosphate (Surrogate)	93.5	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	74.6	%	=	NA	NA	100	None	PR 16-146	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	71.3	%	=	NA	NA	100	None	PR 15-98	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 619	Tributylphosphate (Surrogate)	98.4	%	=	NA	NA	100	None	PR 62-145	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Tributylphosphate (Surrogate)	75.8	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Tributylphosphate (Surrogate)	98.4	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8321A	Tributylphosphate (Surrogate)	132	%	=	NA	NA	100	None	PR 36-140	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 619	Triphenyl phosphate (Surrogate)	87.9	%	=	NA	NA	100	None	PR 54-144	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Triphenyl phosphate (Surrogate)	87.9	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	EPA 8141A	Triphenyl phosphate (Surrogate)	77.1	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	81.7	%	=	NA	NA	100	None	PR 16-146	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		

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Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	66.2	%	=	NA	NA	100	None	PR 15-98	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 619	Tributylphosphate (Surrogate)	91.9	%	=	NA	NA	100	None	PR 62-145	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	91.9	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	69.7	%	=	NA	NA	100	None	PR 36-140	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	92	%	=	NA	NA	100	None	PR 54-144	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	92	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	97.7	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		

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Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	92.4	%	=	NA	NA	100	None	PR 16-146	
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.2	%	=	NA	NA	100	None	PR 15-98	
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 619	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 62-145	
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Tributylphosphate (Surrogate)	76.4	%	=	NA	NA	100	None	PR 60-150	
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8321A	Tributylphosphate (Surrogate)	86.4	%	=	NA	NA	100	None	PR 36-140	
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 54-144	

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Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Triphenyl phosphate (Surrogate)	81.9	%	=	NA	NA	100	None	PR 56-129	
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	70	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Isoxaben (Surrogate)	74.6	%	=	NA	NA	100	None	PR 47-134	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	51.6	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		

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Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 619	Tributylphosphate (Surrogate)	91.1	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Tributylphosphate (Surrogate)	91.1	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8321A	Tributylphosphate (Surrogate)	81.6	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 619	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	4/22/08	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	97.6	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 619	Cyanazine	0.26	µg/L	DNQ	0.09	0.5		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	94.2	%	=	NA	NA	100	None	PR 16-146	

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Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Isoxaben (Surrogate)	115	%	=	NA	NA	100	None	PR 47-134	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		

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Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	52.1	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 619	Tributylphosphate (Surrogate)	71.8	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Tributylphosphate (Surrogate)	71.8	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8321A	Tributylphosphate (Surrogate)	89.6	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 619	Triphenyl phosphate (Surrogate)	65.7	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Triphenyl phosphate (Surrogate)	65.7	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	5/20/08	13:40	EPA 8141A	Triphenyl phosphate (Surrogate)	81.5	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	88.3	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	50.3	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 619	Tributylphosphate (Surrogate)	118	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	118	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	89.7	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8321A	Tributylphosphate (Surrogate)	80.5	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 619	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	6/17/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	83.6	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	MPM	7/8/08	10:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		Batch run without a matrix spike and matrik spike duplicate.
Highline Canal @ Hwy 99	MPM	7/8/08	10:20	EPA 8141A	Tributylphosphate (Surrogate)	95.6	%	=	NA	NA	100	None	PR 60-150	Batch run without a matrix spike and matrik spike duplicate.

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	MPM	7/8/08	10:20	EPA 8141A	Triphenyl phosphate (Surrogate)	73.9	%	=	NA	NA	100	None	PR 56-129	Batch run without a matrix spike and matrik spike duplicate.
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Chlorpyrifos	0.021	µg/L	=	0.003	0.02		Primary and confirmation results varied by > than 40%		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	74.4	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	82.9	%	=	NA	NA	100	None	PR 15-98	

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Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 619	Tributylphosphate (Surrogate)	93.4	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Tributylphosphate (Surrogate)	93.4	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Tributylphosphate (Surrogate)	69.1	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8321A	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 619	Triphenyl phosphate (Surrogate)	86.8	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Triphenyl phosphate (Surrogate)	86.8	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	7/22/08	15:00	EPA 8141A	Triphenyl phosphate (Surrogate)	74.6	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		

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Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	77.8	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.8	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 619	Tributylphosphate (Surrogate)	92.1	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Tributylphosphate (Surrogate)	92.1	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Tributylphosphate (Surrogate)	82.7	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8321A	Tributylphosphate (Surrogate)	79	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 619	Triphenyl phosphate (Surrogate)	93.6	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Triphenyl phosphate (Surrogate)	93.6	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	8/19/08	16:00	EPA 8141A	Triphenyl phosphate (Surrogate)	77.1	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.5	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	72.2	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 619	Tributylphosphate (Surrogate)	96.3	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Tributylphosphate (Surrogate)	96.3	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Tributylphosphate (Surrogate)	73.3	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8321A	Tributylphosphate (Surrogate)	82.6	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 619	Triphenyl phosphate (Surrogate)	93.4	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Triphenyl phosphate (Surrogate)	89.3	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Hwy 99	E	9/23/08	13:50	EPA 8141A	Triphenyl phosphate (Surrogate)	93.4	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		

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Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.8	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Isoxaben (Surrogate)	75.5	%	=	NA	NA	100	None	PR 47-134	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		

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Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	50.3	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 619	Tributylphosphate (Surrogate)	90.2	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Tributylphosphate (Surrogate)	66.4	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Tributylphosphate (Surrogate)	90.2	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8321A	Tributylphosphate (Surrogate)	81.2	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 619	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Triphenyl phosphate (Surrogate)	67.6	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	4/22/08	12:20	EPA 8141A	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 619	Cyanazine	0.29	µg/L	DNQ	0.09	0.5		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	89.4	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Isoxaben (Surrogate)	103	%	=	NA	NA	100	None	PR 47-134	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	48.7	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 619	Tributylphosphate (Surrogate)	77.7	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	77.7	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	132	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8321A	Tributylphosphate (Surrogate)	65.1	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 619	Triphenyl phosphate (Surrogate)	69.8	%	=	NA	NA	100	None	PR 54-144	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	5/20/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	69.8	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	80.6	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	47.6	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 619	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 62-145	

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Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Tributylphosphate (Surrogate)	72.5	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8321A	Tributylphosphate (Surrogate)	82	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 619	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Triphenyl phosphate (Surrogate)	61.5	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	6/17/08	12:50	EPA 8141A	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	MPM	7/8/08	14:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		Batch run without a matrix spike and matrik spike duplicate.
Highline Canal @ Lombardy Rd	MPM	7/8/08	14:40	EPA 8141A	Tributylphosphate (Surrogate)	83.7	%	=	NA	NA	100	None	PR 60-150	Batch run without a matrix spike and matrik spike duplicate.
Highline Canal @ Lombardy Rd	MPM	7/8/08	14:40	EPA 8141A	Triphenyl phosphate (Surrogate)	62.2	%	=	NA	NA	100	None	PR 56-129	Batch run without a matrix spike and matrik spike duplicate.
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Chlorpyrifos	0.013	µg/L	DNQ	0.003	0.02		Primary and confirmation results varied by > than 40%		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.8	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	88.4	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 619	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Tributylphosphate (Surrogate)	69.3	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8321A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 619	Triphenyl phosphate (Surrogate)	96.2	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Triphenyl phosphate (Surrogate)	96.2	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	7/22/08	14:20	EPA 8141A	Triphenyl phosphate (Surrogate)	74.8	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.5	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	63.4	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 619	Tributylphosphate (Surrogate)	78.7	%	=	NA	NA	100	None	PR 62-145	
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	78.7	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	95.8	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8321A	Tributylphosphate (Surrogate)	73.1	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 619	Triphenyl phosphate (Surrogate)	79.9	%	=	NA	NA	100	None	PR 54-144	

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Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	88.2	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	79.9	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Chlorpyrifos	0.015	µg/L	DNQ	0.003	0.02		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.5	%	=	NA	NA	100	None	PR 16-146	
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	62.9	%	=	NA	NA	100	None	PR 15-98	
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 619	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 62-145	

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Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Tributylphosphate (Surrogate)	75	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 60-150	
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8321A	Tributylphosphate (Surrogate)	87.4	%	=	NA	NA	100	None	PR 36-140	
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 54-144	
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	94.7	%	=	NA	NA	100	None	PR 56-129	
Highline Canal @ Lombardy Rd	E	9/23/08	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.8	%	=	NA	NA	100	None	PR 16-146	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Diuron	0.23	µg/L	DNQ	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Isoxaben (Surrogate)	77.5	%	=	NA	NA	100	None	PR 47-134	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	58.9	%	=	NA	NA	100	None	PR 15-98	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 619	Tributylphosphate (Surrogate)	91.5	%	=	NA	NA	100	None	PR 62-145	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	91.5	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	117	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	76.9	%	=	NA	NA	100	None	PR 36-140	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 54-144	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	126	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	4/22/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	MPM	4/29/08	9:40	EPA 8321A	Diuron	3.4	µg/L	=	1	2		Analytes analyzed at a secondary dilution		DF=5
Hilmar Drain @ Central Ave	MPM	4/29/08	9:40	EPA 8321A	Isoxaben (Surrogate)	114	%	=	NA	NA	100	None	PR 47-134	
Hilmar Drain @ Central Ave	MPM	4/29/08	9:40	EPA 8321A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 36-140	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		

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Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	112	%	=	NA	NA	100	None	PR 16-146	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Isoxaben (Surrogate)	95.5	%	=	NA	NA	100	None	PR 47-134	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		

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Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	51	%	=	NA	NA	100	None	PR 15-98	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 619	Tributylphosphate (Surrogate)	85.6	%	=	NA	NA	100	None	PR 62-145	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	121	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	85.6	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8321A	Tributylphosphate (Surrogate)	78.2	%	=	NA	NA	100	None	PR 36-140	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 619	Triphenyl phosphate (Surrogate)	78.8	%	=	NA	NA	100	None	PR 54-144	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	97.9	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	5/20/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	78.8	%	=	NA	NA	100	None	PR 56-129	

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Hilmar Drain @ Central Ave	MPM	6/3/08	10:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		Batch run without a matrix spike and matrik spike duplicate.
Hilmar Drain @ Central Ave	MPM	6/3/08	10:10	EPA 8321A	Isoxaben (Surrogate)	98.4	%	=	NA	NA	100	None	PR 47-134	Batch run without a matrix spike and matrik spike duplicate.
Hilmar Drain @ Central Ave	MPM	6/3/08	10:10	EPA 8321A	Tributylphosphate (Surrogate)	90.3	%	=	NA	NA	100	None	PR 36-140	Batch run without a matrix spike and matrik spike duplicate.
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Carbaryl	1.3	µg/L	=	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		

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Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	87.1	%	=	NA	NA	100	None	PR 16-146	
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	25		Reporting limits elevated due to matrix interferences		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	37.3	%	=	NA	NA	100	None	PR 15-98	
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 619	Tributylphosphate (Surrogate)	115	%	=	NA	NA	100	None	PR 62-145	
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Tributylphosphate (Surrogate)	88.8	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Tributylphosphate (Surrogate)	115	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8321A	Tributylphosphate (Surrogate)	73.4	%	=	NA	NA	100	None	PR 36-140	
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 619	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 54-144	
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	83.4	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	6/17/08	13:10	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.8	%	=	NA	NA	100	None	PR 16-146	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		

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Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	74.3	%	=	NA	NA	100	None	PR 15-98	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 619	Tributylphosphate (Surrogate)	97.9	%	=	NA	NA	100	None	PR 62-145	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Tributylphosphate (Surrogate)	97.9	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Tributylphosphate (Surrogate)	80	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8321A	Tributylphosphate (Surrogate)	122	%	=	NA	NA	100	None	PR 36-140	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 619	Triphenyl phosphate (Surrogate)	90.4	%	=	NA	NA	100	None	PR 54-144	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Triphenyl phosphate (Surrogate)	87.2	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	7/22/08	12:10	EPA 8141A	Triphenyl phosphate (Surrogate)	90.4	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		

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Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	DDE (p,p')	0.0056	µg/L	DNQ	0.004	0.01		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	81.4	%	=	NA	NA	100	None	PR 16-146	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	62.1	%	=	NA	NA	100	None	PR 15-98	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 619	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 62-145	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	127	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	83.3	%	=	NA	NA	100	None	PR 36-140	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 54-144	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	8/19/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 56-129	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	89.5	%	=	NA	NA	100	None	PR 16-146	
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	78.3	%	=	NA	NA	100	None	PR 15-98	
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 619	Tributylphosphate (Surrogate)	99	%	=	NA	NA	100	None	PR 62-145	
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	68	%	=	NA	NA	100	None	PR 60-150	
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	99	%	=	NA	NA	100	None	PR 60-150	

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Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8321A	Tributylphosphate (Surrogate)	96.4	%	=	NA	NA	100	None	PR 36-140	
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 619	Triphenyl phosphate (Surrogate)	99	%	=	NA	NA	100	None	PR 54-144	
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	80.6	%	=	NA	NA	100	None	PR 56-129	
Hilmar Drain @ Central Ave	E	9/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	99	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.7	%	=	NA	NA	100	None	PR 16-146	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Isoxaben (Surrogate)	72.4	%	=	NA	NA	100	None	PR 47-134	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		

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Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	57.8	%	=	NA	NA	100	None	PR 15-98	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 619	Tributylphosphate (Surrogate)	86.3	%	=	NA	NA	100	None	PR 62-145	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Tributylphosphate (Surrogate)	86.3	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Tributylphosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8321A	Tributylphosphate (Surrogate)	78.5	%	=	NA	NA	100	None	PR 36-140	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 619	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 54-144	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	4/22/08	14:00	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	107	%	=	NA	NA	100	None	PR 16-146	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Isoxaben (Surrogate)	96	%	=	NA	NA	100	None	PR 47-134	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 619	Simazine	1	µg/L	=	0.08	0.5		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	54	%	=	NA	NA	100	None	PR 15-98	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 619	Tributylphosphate (Surrogate)	84.2	%	=	NA	NA	100	None	PR 62-145	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Tributylphosphate (Surrogate)	84.2	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8321A	Tributylphosphate (Surrogate)	91.7	%	=	NA	NA	100	None	PR 36-140	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 619	Triphenyl phosphate (Surrogate)	78	%	=	NA	NA	100	None	PR 54-144	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Triphenyl phosphate (Surrogate)	78	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	5/20/08	15:50	EPA 8141A	Triphenyl phosphate (Surrogate)	84.8	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		

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Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Chlorpyrifos	0.015	µg/L	DNQ	0.003	0.02		FieldDuplicate RPD above QC limit; Primary and confirmation results varied by > than 40%		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	103	%	=	NA	NA	100	None	PR 16-146	
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	15		Reporting limits elevated due to matrix interferences		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	40.2	%	=	NA	NA	100	None	PR 15-98	
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 619	Tributylphosphate (Surrogate)	125	%	=	NA	NA	100	None	PR 62-145	
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	80.9	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	125	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8321A	Tributylphosphate (Surrogate)	78.3	%	=	NA	NA	100	None	PR 36-140	
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 619	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 54-144	
Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 56-129	

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Livingston Drain @ Robin Ave	E	6/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	86.7	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Chlorpyrifos	0.025	µg/L	=	0.003	0.02		Primary and confirmation results varied by > than 40%		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.3	%	=	NA	NA	100	None	PR 16-146	
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	85.1	%	=	NA	NA	100	None	PR 15-98	
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 619	Tributylphosphate (Surrogate)	99.4	%	=	NA	NA	100	None	PR 62-145	

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Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	99.4	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	78.8	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	130	%	=	NA	NA	100	None	PR 36-140	
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	92.3	%	=	NA	NA	100	None	PR 54-144	
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	92.3	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	7/22/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	78.8	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	87.7	%	=	NA	NA	100	None	PR 16-146	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	84	%	=	NA	NA	100	None	PR 15-98	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 619	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 62-145	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8321A	Tributylphosphate (Surrogate)	69.6	%	=	NA	NA	100	None	PR 36-140	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 619	Triphenyl phosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 54-144	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Triphenyl phosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	8/19/08	13:50	EPA 8141A	Triphenyl phosphate (Surrogate)	99.5	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Chlorpyrifos	0.0051	µg/L	DNQ	0.003	0.02		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	85	%	=	NA	NA	100	None	PR 16-146	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		Surrogate recovery is outside of control limits		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		

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Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	75.2	%	=	NA	NA	100	None	PR 15-98	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 619	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 62-145	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 60-150	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	288	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 60-150	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	94.3	%	=	NA	NA	100	None	PR 36-140	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 54-144	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 56-129	
Livingston Drain @ Robin Ave	E	9/23/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	279	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		

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Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	70.6	%	=	NA	NA	100	None	PR 16-146	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Isoxaben (Surrogate)	74.7	%	=	NA	NA	100	None	PR 47-134	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Merced River @ Santa Fe	E	4/22/08	11:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	53	%	=	NA	NA	100	None	PR 15-98	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 619	Tributylphosphate (Surrogate)	89.6	%	=	NA	NA	100	None	PR 62-145	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	76.4	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	89.6	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8321A	Tributylphosphate (Surrogate)	82.3	%	=	NA	NA	100	None	PR 36-140	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 619	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 54-144	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	4/22/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	78.1	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	95.2	%	=	NA	NA	100	None	PR 16-146	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Isoxaben (Surrogate)	110	%	=	NA	NA	100	None	PR 47-134	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	50.7	%	=	NA	NA	100	None	PR 15-98	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 619	Tributylphosphate (Surrogate)	69	%	=	NA	NA	100	None	PR 62-145	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Tributylphosphate (Surrogate)	69	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8321A	Tributylphosphate (Surrogate)	81.7	%	=	NA	NA	100	None	PR 36-140	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 619	Triphenyl phosphate (Surrogate)	65.6	%	=	NA	NA	100	None	PR 54-144	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Triphenyl phosphate (Surrogate)	65.6	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	5/20/08	11:40	EPA 8141A	Triphenyl phosphate (Surrogate)	86.3	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	93.7	%	=	NA	NA	100	None	PR 16-146	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	53.5	%	=	NA	NA	100	None	PR 15-98	
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 619	Tributylphosphate (Surrogate)	123	%	=	NA	NA	100	None	PR 62-145	
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	123	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	68	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	80.4	%	=	NA	NA	100	None	PR 36-140	
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 54-144	
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	6/17/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	65.7	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	70.3	%	=	NA	NA	100	None	PR 16-146	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		

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Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	78.5	%	=	NA	NA	100	None	PR 15-98	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 619	Tributylphosphate (Surrogate)	93.5	%	=	NA	NA	100	None	PR 62-145	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	67.6	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Tributylphosphate (Surrogate)	93.5	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8321A	Tributylphosphate (Surrogate)	133	%	=	NA	NA	100	None	PR 36-140	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 619	Triphenyl phosphate (Surrogate)	83.4	%	=	NA	NA	100	None	PR 54-144	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	74.1	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	7/22/08	13:30	EPA 8141A	Triphenyl phosphate (Surrogate)	83.4	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	87.9	%	=	NA	NA	100	None	PR 16-146	
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Diuron	0.2	µg/L	DNQ	0.2	0.4		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	74.2	%	=	NA	NA	100	None	PR 15-98	
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 619	Tributylphosphate (Surrogate)	95.7	%	=	NA	NA	100	None	PR 62-145	
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	95.7	%	=	NA	NA	100	None	PR 60-150	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	90.1	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8321A	Tributylphosphate (Surrogate)	82.3	%	=	NA	NA	100	None	PR 36-140	
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 619	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 54-144	
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	8/19/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	80	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	83.6	%	=	NA	NA	100	None	PR 16-146	
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		

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Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.9	%	=	NA	NA	100	None	PR 15-98	
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 619	Tributylphosphate (Surrogate)	99.5	%	=	NA	NA	100	None	PR 62-145	
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Tributylphosphate (Surrogate)	81.9	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Tributylphosphate (Surrogate)	99.5	%	=	NA	NA	100	None	PR 60-150	
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8321A	Tributylphosphate (Surrogate)	91	%	=	NA	NA	100	None	PR 36-140	

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Merced River @ Santa Fe	E	9/23/08	12:10	EPA 619	Triphenyl phosphate (Surrogate)	99.8	%	=	NA	NA	100	None	PR 54-144	
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Triphenyl phosphate (Surrogate)	88.6	%	=	NA	NA	100	None	PR 56-129	
Merced River @ Santa Fe	E	9/23/08	12:10	EPA 8141A	Triphenyl phosphate (Surrogate)	99.8	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.8	%	=	NA	NA	100	None	PR 16-146	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		

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Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Isoxaben (Surrogate)	123	%	=	NA	NA	100	None	PR 47-134	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 549.2M	Paraquat dichloride	0.76	µg/L	=	0.21	0.4		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	46.1	%	=	NA	NA	100	None	PR 15-98	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 619	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 62-145	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Tributylphosphate (Surrogate)	120	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Tributylphosphate (Surrogate)	62.8	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8321A	Tributylphosphate (Surrogate)	98.2	%	=	NA	NA	100	None	PR 36-140	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 619	Triphenyl phosphate (Surrogate)	121	%	=	NA	NA	100	None	PR 54-144	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Triphenyl phosphate (Surrogate)	121	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	4/29/08	14:40	EPA 8141A	Triphenyl phosphate (Surrogate)	64.9	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 619	Cyanazine	0.2	µg/L	DNQ	0.09	0.5		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	94.6	%	=	NA	NA	100	None	PR 16-146	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Isoxaben (Surrogate)	101	%	=	NA	NA	100	None	PR 47-134	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 619	Simazine	0.39	µg/L	DNQ	0.08	0.5		Primary and confirmation results varied by > than 40%		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	47.1	%	=	NA	NA	100	None	PR 15-98	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 619	Tributylphosphate (Surrogate)	79.2	%	=	NA	NA	100	None	PR 62-145	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Tributylphosphate (Surrogate)	79.2	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Tributylphosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8321A	Tributylphosphate (Surrogate)	76.6	%	=	NA	NA	100	None	PR 36-140	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 619	Triphenyl phosphate (Surrogate)	68.2	%	=	NA	NA	100	None	PR 54-144	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Triphenyl phosphate (Surrogate)	81.9	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	5/27/08	14:20	EPA 8141A	Triphenyl phosphate (Surrogate)	68.2	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Aldicarb	0.53	µg/L	=	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		

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Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	85.5	%	=	NA	NA	100	None	PR 16-146	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		

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Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	57.5	%	=	NA	NA	100	None	PR 15-98	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 619	Tributylphosphate (Surrogate)	93.6	%	=	NA	NA	100	None	PR 62-145	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	99.3	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	96.2	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8321A	Tributylphosphate (Surrogate)	70.2	%	=	NA	NA	100	None	PR 36-140	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 619	Triphenyl phosphate (Surrogate)	88.2	%	=	NA	NA	100	None	PR 54-144	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	104	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	6/24/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	90.1	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		

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Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Chlorpyrifos	0.021	µg/L	=	0.003	0.02		Primary and confirmation results varied by > than 40%		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	56.4	%	=	NA	NA	100	None	PR 16-146	
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	10		Reporting limits elevated due to matrix interferences		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.4	%	=	NA	NA	100	None	PR 15-98	
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 619	Tributylphosphate (Surrogate)	96	%	=	NA	NA	100	None	PR 62-145	
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	72.9	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	96	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	73	%	=	NA	NA	100	None	PR 36-140	
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	92.2	%	=	NA	NA	100	None	PR 54-144	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	92.2	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	7/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	79.2	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Chlorpyrifos	0.042	µg/L	=	0.003	0.02		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	65.6	%	=	NA	NA	100	None	PR 16-146	
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	72	%	=	NA	NA	100	None	PR 15-98	
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 619	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 62-145	

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Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Tributylphosphate (Surrogate)	71.4	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8321A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 36-140	
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 619	Triphenyl phosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 54-144	
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	8/26/08	13:00	EPA 8141A	Triphenyl phosphate (Surrogate)	65.7	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	52.7	%	=	NA	NA	100	None	PR 16-146	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		

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Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		

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Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	49.7	%	=	NA	NA	100	None	PR 15-98	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 619	Tributylphosphate (Surrogate)	75.8	%	=	NA	NA	100	None	PR 62-145	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Tributylphosphate (Surrogate)	75.8	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Tributylphosphate (Surrogate)	79.8	%	=	NA	NA	100	None	PR 60-150	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8321A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 36-140	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 619	Triphenyl phosphate (Surrogate)	67.3	%	=	NA	NA	100	None	PR 54-144	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Triphenyl phosphate (Surrogate)	80	%	=	NA	NA	100	None	PR 56-129	
Miles Creek @ Reilly Rd	E	9/30/08	13:50	EPA 8141A	Triphenyl phosphate (Surrogate)	67.3	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.6	%	=	NA	NA	100	None	PR 16-146	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Isoxaben (Surrogate)	64.2	%	=	NA	NA	100	None	PR 47-134	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		

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Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	59	%	=	NA	NA	100	None	PR 15-98	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 619	Tributylphosphate (Surrogate)	90.6	%	=	NA	NA	100	None	PR 62-145	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Tributylphosphate (Surrogate)	90.6	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Tributylphosphate (Surrogate)	122	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8321A	Tributylphosphate (Surrogate)	73.1	%	=	NA	NA	100	None	PR 36-140	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 619	Triphenyl phosphate (Surrogate)	115	%	=	NA	NA	100	None	PR 54-144	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Triphenyl phosphate (Surrogate)	115	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	EPA 8141A	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 619	Cyanazine	0.32	µg/L	DNQ	0.09	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Isoxaben (Surrogate)	103	%	=	NA	NA	100	None	PR 47-134	
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 619	Simazine	0.46	µg/L	DNQ	0.08	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 619	Tributylphosphate (Surrogate)	82.5	%	=	NA	NA	100	None	PR 62-145	

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Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	Tributylphosphate (Surrogate)	128	%	=	NA	NA	100	None	PR 60-150	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	82.5	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	65.8	%	=	NA	NA	100	None	PR 36-140	
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	76.8	%	=	NA	NA	100	None	PR 54-144	
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8081A	Triphenyl phosphate (Surrogate)	128	%	=	NA	NA	100	None	PR 56-129	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	76.8	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	92	%	=	NA	NA	100	None	PR 56-129	

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Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Carbaryl	0.27	µg/L	=	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	82.5	%	=	NA	NA	100	None	PR 16-146	
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Diuron	0.23	µg/L	DNQ	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	30		Reporting limits elevated due to matrix interferences		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	36.9	%	=	NA	NA	100	None	PR 15-98	
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 619	Tributylphosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 62-145	
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Tributylphosphate (Surrogate)	79	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Tributylphosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8321A	Tributylphosphate (Surrogate)	77.5	%	=	NA	NA	100	None	PR 36-140	
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 619	Triphenyl phosphate (Surrogate)	97.2	%	=	NA	NA	100	None	PR 54-144	
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Triphenyl phosphate (Surrogate)	74.8	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	EPA 8141A	Triphenyl phosphate (Surrogate)	97.2	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Carbaryl	0.1	µg/L	=	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	56.6	%	=	NA	NA	100	None	PR 16-146	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Dimethoate	2.7	µg/L	=	0.08	0.1		Primary and confirmation results varied by > than 40%		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	25		Reporting limits elevated due to matrix interferences		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79.7	%	=	NA	NA	100	None	PR 15-98	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 619	Tributylphosphate (Surrogate)	96.1	%	=	NA	NA	100	None	PR 62-145	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	67.8	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	96.1	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8321A	Tributylphosphate (Surrogate)	129	%	=	NA	NA	100	None	PR 36-140	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 619	Triphenyl phosphate (Surrogate)	88	%	=	NA	NA	100	None	PR 54-144	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	88	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	76.4	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Carbaryl	0.06	µg/L	DNQ	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Chlorpyrifos	0.024	µg/L	=	0.003	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	87.4	%	=	NA	NA	100	None	PR 16-146	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Dimethoate	0.44	µg/L	=	0.08	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Malathion	0.12	µg/L	=	0.05	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		

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Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	83.8	%	=	NA	NA	100	None	PR 15-98	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 619	Tributylphosphate (Surrogate)	104	%	=	NA	NA	100	None	PR 62-145	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	104	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	104	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8321A	Tributylphosphate (Surrogate)	69.8	%	=	NA	NA	100	None	PR 36-140	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 619	Triphenyl phosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 54-144	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	96.2	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		

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Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	84.4	%	=	NA	NA	100	None	PR 16-146	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	73.2	%	=	NA	NA	100	None	PR 15-98	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 619	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 62-145	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	75.6	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	87.5	%	=	NA	NA	100	None	PR 36-140	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 54-144	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	86.7	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain at Morgan Road	MPM	8/19/08	12:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Prairie Flower Drain at Morgan Road	MPM	8/19/08	12:10	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100	None	PR 60-150	
Prairie Flower Drain at Morgan Road	MPM	8/19/08	12:10	EPA 8141A	Triphenyl phosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 56-129	
Prairie Flower Drain at Morgan Road	MPM	9/23/08	11:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Prairie Flower Drain at Morgan Road	MPM	9/23/08	11:50	EPA 8141A	Tributylphosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 60-150	

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Prairie Flower Drain at Morgan Road	MPM	9/23/08	11:50	EPA 8141A	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.4	%	=	NA	NA	100	None	PR 16-146	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Diazinon	0.0086	µg/L	DNQ	0.004	0.02		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		

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Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Isoxaben (Surrogate)	70.7	%	=	NA	NA	100	None	PR 47-134	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	51.2	%	=	NA	NA	100	None	PR 15-98	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 619	Tributylphosphate (Surrogate)	96.1	%	=	NA	NA	100	None	PR 62-145	

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Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	96.1	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	84.9	%	=	NA	NA	100	None	PR 36-140	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	125	%	=	NA	NA	100	None	PR 54-144	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	125	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	4/22/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Bifenthrin	0.0099	µg/L	DNQ	0.006	0.02		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 619	Cyanazine	0.43	µg/L	DNQ	0.09	0.5		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	85.7	%	=	NA	NA	100	None	PR 16-146	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		

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Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 547M	Glyphosate	5	µg/L	<	4	5		Estimated value		Batch run overnight.
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Isoxaben (Surrogate)	91.9	%	=	NA	NA	100	None	PR 47-134	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		

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Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	48.7	%	=	NA	NA	100	None	PR 15-98	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 619	Tributylphosphate (Surrogate)	68.3	%	=	NA	NA	100	None	PR 62-145	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	68.3	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	119	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	64.5	%	=	NA	NA	100	None	PR 36-140	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	62.4	%	=	NA	NA	100	None	PR 54-144	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	91.6	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	5/20/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	62.4	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		

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Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	63	%	=	NA	NA	100	None	PR 16-146	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	60		Reporting limits elevated due to matrix interferences		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	42.5	%	=	NA	NA	100	None	PR 15-98	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 619	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 62-145	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Tributylphosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8321A	Tributylphosphate (Surrogate)	65.8	%	=	NA	NA	100	None	PR 36-140	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 54-144	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Triphenyl phosphate (Surrogate)	64.9	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	6/17/08	10:50	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	MPM	7/8/08	15:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		Batch run without a matrix spike and matrik spike duplicate.
Silva Drain @ Meadow Dr	MPM	7/8/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	99	%	=	NA	NA	100	None	PR 60-150	Batch run without a matrix spike and matrik spike duplicate.

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Silva Drain @ Meadow Dr	MPM	7/8/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	82.6	%	=	NA	NA	100	None	PR 56-129	Batch run without a matrix spike and matrik spike duplicate.
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Chlorpyrifos	0.43	µg/L	=	0.003	0.02		Primary and confirmation results varied by > than 40%		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	73.8	%	=	NA	NA	100	None	PR 16-146	
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		

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Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	42		Reporting limits elevated due to matrix interferences		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		

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Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.9	%	=	NA	NA	100	None	PR 15-98	
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 619	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 62-145	
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	78.8	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 36-140	
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	96.1	%	=	NA	NA	100	None	PR 54-144	
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	96.1	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	7/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	87.6	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	MPM	8/5/08	10:20	EPA 8141A	Chlorpyrifos	0.021	µg/L	=	0.003	0.02		None		Batch run without a matrix spike and matrik spike duplicate.
Silva Drain @ Meadow Dr	MPM	8/5/08	10:20	EPA 8141A	Tributylphosphate (Surrogate)	84.7	%	=	NA	NA	100	None	PR 60-150	Batch run without a matrix spike and matrik spike duplicate.
Silva Drain @ Meadow Dr	MPM	8/5/08	10:20	EPA 8141A	Triphenyl phosphate (Surrogate)	89	%	=	NA	NA	100	None	PR 56-129	Batch run without a matrix spike and matrik spike duplicate.
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		

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Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Chlorpyrifos	0.023	µg/L	=	0.003	0.02		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	67	%	=	NA	NA	100	None	PR 16-146	
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	63	%	=	NA	NA	100	None	PR 15-98	
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 619	Tributylphosphate (Surrogate)	91.3	%	=	NA	NA	100	None	PR 62-145	
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Tributylphosphate (Surrogate)	91.3	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Tributylphosphate (Surrogate)	95.3	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8321A	Tributylphosphate (Surrogate)	81.1	%	=	NA	NA	100	None	PR 36-140	
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 619	Triphenyl phosphate (Surrogate)	97.1	%	=	NA	NA	100	None	PR 54-144	
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Triphenyl phosphate (Surrogate)	97.1	%	=	NA	NA	100	None	PR 56-129	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	8/19/08	11:30	EPA 8141A	Triphenyl phosphate (Surrogate)	89.5	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Chlorpyrifos	0.0051	µg/L	DNQ	0.003	0.02		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	61.2	%	=	NA	NA	100	None	PR 16-146	
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	70.5	%	=	NA	NA	100	None	PR 15-98	
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 619	Tributylphosphate (Surrogate)	94.5	%	=	NA	NA	100	None	PR 62-145	
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	94.5	%	=	NA	NA	100	None	PR 60-150	

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Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	77.7	%	=	NA	NA	100	None	PR 60-150	
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8321A	Tributylphosphate (Surrogate)	99	%	=	NA	NA	100	None	PR 36-140	
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 619	Triphenyl phosphate (Surrogate)	92.3	%	=	NA	NA	100	None	PR 54-144	
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	83.4	%	=	NA	NA	100	None	PR 56-129	
Silva Drain @ Meadow Dr	E	9/23/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	92.3	%	=	NA	NA	100	None	PR 56-129	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Carbaryl	0.08	µg/L	=	0.05	0.07		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	64.4	%	=	NA	NA	100	None	PR 16-146	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		

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South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Isoxaben (Surrogate)	105	%	=	NA	NA	100	None	PR 47-134	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FDRPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 619	Simazine	0.29	µg/L	DNQ	0.08	0.5		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	59.1	%	=	NA	NA	100	None	PR 15-98	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 619	Tributylphosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 62-145	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 60-150	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Tributylphosphate (Surrogate)	67.2	%	=	NA	NA	100	None	PR 60-150	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8321A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 36-140	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 619	Triphenyl phosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 54-144	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	116	%	=	NA	NA	100	None	PR 56-129	
South Slough @ Quinley Rd	E	4/29/08	11:20	EPA 8141A	Triphenyl phosphate (Surrogate)	62	%	=	NA	NA	100	None	PR 56-129	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	94.4	%	=	NA	NA	100	None	PR 16-146	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		

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South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	62.7	%	=	NA	NA	100	None	PR 15-98	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 619	Tributylphosphate (Surrogate)	110	%	=	NA	NA	100	None	PR 62-145	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Tributylphosphate (Surrogate)	108	%	=	NA	NA	100	None	PR 60-150	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Tributylphosphate (Surrogate)	114	%	=	NA	NA	100	None	PR 60-150	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8321A	Tributylphosphate (Surrogate)	83.2	%	=	NA	NA	100	None	PR 36-140	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 619	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 54-144	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100	None	PR 56-129	
South Slough @ Quinley Rd	E	6/24/08	9:20	EPA 8141A	Triphenyl phosphate (Surrogate)	104	%	=	NA	NA	100	None	PR 56-129	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Chlorpyrifos	0.029	µg/L	=	0.003	0.02		Primary and confirmation results varied by > than 40%		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		

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South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	56.6	%	=	NA	NA	100	None	PR 16-146	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		

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South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	78.8	%	=	NA	NA	100	None	PR 15-98	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 619	Tributylphosphate (Surrogate)	92.1	%	=	NA	NA	100	None	PR 62-145	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Tributylphosphate (Surrogate)	92.1	%	=	NA	NA	100	None	PR 60-150	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Tributylphosphate (Surrogate)	68	%	=	NA	NA	100	None	PR 60-150	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8321A	Tributylphosphate (Surrogate)	72.6	%	=	NA	NA	100	None	PR 36-140	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 619	Triphenyl phosphate (Surrogate)	84.1	%	=	NA	NA	100	None	PR 54-144	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Triphenyl phosphate (Surrogate)	84.1	%	=	NA	NA	100	None	PR 56-129	
South Slough @ Quinley Rd	E	7/29/08	10:10	EPA 8141A	Triphenyl phosphate (Surrogate)	76.7	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		

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Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	72.1	%	=	NA	NA	100	None	PR 16-146	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Isoxaben (Surrogate)	81.2	%	=	NA	NA	100	None	PR 47-134	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		Surrogate recovery is outside of control limits		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	62.9	%	=	NA	NA	100	None	PR 15-98	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 619	Tributylphosphate (Surrogate)	94.3	%	=	NA	NA	100	None	PR 62-145	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Tributylphosphate (Surrogate)	133	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Tributylphosphate (Surrogate)	94.3	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8321A	Tributylphosphate (Surrogate)	79.5	%	=	NA	NA	100	None	PR 36-140	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 619	Triphenyl phosphate (Surrogate)	119	%	=	NA	NA	100	None	PR 54-144	
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Triphenyl phosphate (Surrogate)	119	%	=	NA	NA	100	None	PR 56-129	

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	E	4/22/08	8:20	EPA 8141A	Triphenyl phosphate (Surrogate)	136	%	=	NA	NA	100	Surrogate recovery is outside of control limits	PR 56-129	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 619	Cyanazine	0.27	µg/L	DNQ	0.09	0.5		Field duplicate RPD above QC limit		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	91.1	%	=	NA	NA	100	None	PR 16-146	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Isoxaben (Surrogate)	101	%	=	NA	NA	100	None	PR 47-134	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		A holding time violation has occurred.		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	44.3	%	=	NA	NA	100	None	PR 15-98	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		

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Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 619	Tributylphosphate (Surrogate)	70.8	%	=	NA	NA	100	None	PR 62-145	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Tributylphosphate (Surrogate)	137	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Tributylphosphate (Surrogate)	70.8	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8321A	Tributylphosphate (Surrogate)	89	%	=	NA	NA	100	None	PR 36-140	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 619	Triphenyl phosphate (Surrogate)	61.6	%	=	NA	NA	100	None	PR 54-144	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	5/20/08	8:50	EPA 8141A	Triphenyl phosphate (Surrogate)	61.8	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	93.4	%	=	NA	NA	100	None	PR 16-146	

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Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		

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Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	58.3	%	=	NA	NA	100	None	PR 15-98	
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 619	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 62-145	
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Tributylphosphate (Surrogate)	67.4	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8321A	Tributylphosphate (Surrogate)	85.1	%	=	NA	NA	100	None	PR 36-140	
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 619	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 54-144	
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Triphenyl phosphate (Surrogate)	72.2	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	6/17/08	8:50	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Chlorpyrifos	0.016	µg/L	DNQ	0.003	0.02		Primary and confirmation results varied by > than 40%		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		

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Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	80.8	%	=	NA	NA	100	None	PR 16-146	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		

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Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	81.7	%	=	NA	NA	100	None	PR 15-98	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 619	Tributylphosphate (Surrogate)	93.9	%	=	NA	NA	100	None	PR 62-145	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Tributylphosphate (Surrogate)	68	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Tributylphosphate (Surrogate)	93.9	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8321A	Tributylphosphate (Surrogate)	104	%	=	NA	NA	100	None	PR 36-140	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 619	Triphenyl phosphate (Surrogate)	85.6	%	=	NA	NA	100	None	PR 54-144	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Triphenyl phosphate (Surrogate)	85.6	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	7/22/08	9:00	EPA 8141A	Triphenyl phosphate (Surrogate)	72.5	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		

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Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	86.2	%	=	NA	NA	100	None	PR 16-146	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		

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Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	73.6	%	=	NA	NA	100	None	PR 15-98	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 619	Tributylphosphate (Surrogate)	90.1	%	=	NA	NA	100	None	PR 62-145	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Tributylphosphate (Surrogate)	90.1	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8321A	Tributylphosphate (Surrogate)	82.9	%	=	NA	NA	100	None	PR 36-140	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 619	Triphenyl phosphate (Surrogate)	93.7	%	=	NA	NA	100	None	PR 54-144	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Triphenyl phosphate (Surrogate)	93.7	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	8/19/08	9:40	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02		None		

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Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	81.2	%	=	NA	NA	100	None	PR 16-146	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5		None		Batch run overnight.
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1		None		

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	70	%	=	NA	NA	100	None	PR 15-98	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5		None		
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 619	Tributylphosphate (Surrogate)	92.5	%	=	NA	NA	100	None	PR 62-145	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Tributylphosphate (Surrogate)	77.1	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Tributylphosphate (Surrogate)	92.5	%	=	NA	NA	100	None	PR 60-150	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8321A	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100	None	PR 36-140	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 619	Triphenyl phosphate (Surrogate)	92.3	%	=	NA	NA	100	None	PR 54-144	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Triphenyl phosphate (Surrogate)	79.4	%	=	NA	NA	100	None	PR 56-129	
Westport Drain @ Vivian Rd	E	9/23/08	9:20	EPA 8141A	Triphenyl phosphate (Surrogate)	92.3	%	=	NA	NA	100	None	PR 56-129	

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FDRPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

**Table I - 3. ESJWQC environmental sample results for inorganic analysis including physical parameters, nutrients, metals and bacteria.**

Samples are sorted by station name, analyte and sample date.

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 350.2	Ammonia as N	0.044	mg/L	DNQ	0.04	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 350.2	Ammonia as N	0.088	mg/L	DNQ	0.04	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 200.8	Arsenic	0.7	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 200.8	Arsenic	0.7	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 200.8	Arsenic	17	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 200.8	Arsenic	1	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 200.8	Arsenic	0.7	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 200.8	Arsenic	0.9	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 200.8	Boron	7	µg/L	DNQ	0.7	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 200.8	Boron	9	µg/L	DNQ	0.7	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 200.8	Boron	40	µg/L	=	0.7	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 200.8	Boron	6	µg/L	DNQ	0.7	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 200.8	Boron	7	µg/L	DNQ	0.7	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 200.8	Boron	6	µg/L	DNQ	0.7	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 110.2	Color	15	color units	=	3	3				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 110.2	Color	20	color units	=	3	3				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 110.2	Color	27	color units	=	3	3				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 110.2	Color	28	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 110.2	Color	30	color units	=	3	3				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 110.2	Color	25	color units	=	3	3				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 200.8	Copper	1.1	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 200.8	Copper	1.4	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 200.8	Copper	3	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 200.8	Copper	1.6	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 200.8	Copper	7.1	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 200.8	Copper	1.3	µg/L	=	0.07	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 160.1	Dissolved Solids	50	mg/L	=	4	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 160.1	Dissolved Solids	51	mg/L	=	4	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 160.1	Dissolved Solids	25	mg/L	=	4	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 160.1	Dissolved Solids	31	mg/L	=	4	10				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 160.1	Dissolved Solids	30	mg/L	=	4	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 160.1	Dissolved Solids	45	mg/L	=	4	10				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	SM 9223 B	E. coli	62	MPN/100 mL	=	1	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	SM 9223 B	E. coli	84	MPN/100 mL	=	1	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	SM 9223 B	E. coli	69	MPN/100 mL	=	1	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	SM 9223 B	E. coli	17	MPN/100 mL	=	1	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	SM 9223 B	E. coli	45	MPN/100 mL	=	1	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	SM 9223 B	E. coli	12	MPN/100 mL	=	1	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 130.2	Hardness as CaCO3	38	mg/L	=	3	5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 130.2	Hardness as CaCO3	46	mg/L	=	3	5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 130.2	Hardness as CaCO3	34	mg/L	=	3	5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 130.2	Hardness as CaCO3	26	mg/L	=	3	5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 130.2	Hardness as CaCO3	20	mg/L	=	3	5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 130.2	Hardness as CaCO3	18	mg/L	=	3	5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 200.8	Lead	0.15	µg/L	DNQ	0.01	0.25				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 200.8	Lead	0.19	µg/L	DNQ	0.01	0.25				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 200.8	Lead	0.27	µg/L	=	0.01	0.25				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 200.8	Lead	0.44	µg/L	=	0.01	0.25				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 200.8	Lead	0.24	µg/L	DNQ	0.01	0.25				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 200.8	Lead	0.34	µg/L	=	0.01	0.25				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 200.8	Nickel	3.6	µg/L	=	0.02	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 200.8	Nickel	1	µg/L	=	0.02	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 200.8	Nickel	0.8	µg/L	=	0.02	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 300.0	Nitrate as N	0.16	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 300.0	Nitrate as N	0.14	mg/L	=	0.01	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 300.0	Nitrate as N	0.044	mg/L	DNQ	0.01	0.05				None	DF=1, Batch run overnight.
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 300.0	Nitrate as N	0.015	mg/L	DNQ	0.01	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 300.0	Nitrate as N	0.12	mg/L	=	0.01	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 300.0	Nitrate as N	0.099	mg/L	=	0.01	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 354.1	Nitrite as N	0.007	mg/L	DNQ	0.004	0.03				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 354.1	Nitrite as N	0.004	mg/L	DNQ	0.002	0.03				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 354.1	Nitrite as N	0.003	mg/L	DNQ	0.002	0.03				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 354.1	Nitrite as N	0.003	mg/L	DNQ	0.002	0.03				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.37	mg/L	=	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.12	mg/L	=	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.13	mg/L	=	0.06	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.14	mg/L	=	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.24	mg/L	=	0.06	0.1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 365.2	OrthoPhosphate as P	0.019	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 365.2	OrthoPhosphate as P	0.016	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 365.2	OrthoPhosphate as P	0.01	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 365.2	Phosphate as P	0.048	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 365.2	Phosphate as P	0.037	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 365.2	Phosphate as P	0.069	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 365.2	Phosphate as P	0.071	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 365.2	Phosphate as P	0.072	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 365.2	Phosphate as P	0.032	mg/L	=	0.01	0.01				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 200.8	Selenium	0.35	µg/L	DNQ	0.11	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 200.8	Selenium	0.92	µg/L	DNQ	0.11	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 200.8	Selenium	0.8	µg/L	DNQ	0.11	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 200.8	Selenium	0.12	µg/L	DNQ	0.11	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 200.8	Selenium	0.19	µg/L	DNQ	0.11	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 415.1	Total Organic Carbon	3.6	mg/L	=	0.3	0.5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 415.1	Total Organic Carbon	1.8	mg/L	=	0.3	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 415.1	Total Organic Carbon	2.3	mg/L	=	0.1	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 415.1	Total Organic Carbon	2.3	mg/L	=	0.1	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 415.1	Total Organic Carbon	2.5	mg/L	=	0.1	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 415.1	Total Organic Carbon	1.9	mg/L	=	0.1	0.5				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 180.1	Turbidity	4.2	NTU	=	0.03	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 180.1	Turbidity	4	NTU	=	0.02	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 180.1	Turbidity	6.2	NTU	=	0.02	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 180.1	Turbidity	13	NTU	=	0.02	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 180.1	Turbidity	5.3	NTU	=	0.02	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 180.1	Turbidity	7.1	NTU	=	0.02	0.05				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	4/29/08	16:20	EPA 200.8	Zinc	1	µg/L	=	0.2	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	5/27/08	16:40	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	6/24/08	16:50	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	7/29/08	18:00	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	8/26/08	16:00	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Bear Creek @ Kibby Rd	E	1.00	9/30/08	13:30	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 350.2	Ammonia as N	0.13	mg/L	=	0.04	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 350.2	Ammonia as N	0.088	mg/L	DNQ	0.04	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 350.2	Ammonia as N	0.12	mg/L	=	0.04	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 200.8	Arsenic	3.2	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 200.8	Arsenic	3.2	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 200.8	Arsenic	0.7	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 200.8	Arsenic	2.2	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 200.8	Arsenic	1.8	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 200.8	Arsenic	1.9	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 200.8	Boron	19	µg/L	=	0.7	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 200.8	Boron	21	µg/L	=	0.7	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 200.8	Boron	8	µg/L	DNQ	0.7	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 200.8	Boron	21	µg/L	=	0.7	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 200.8	Boron	20	µg/L	=	0.7	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 200.8	Boron	15	µg/L	=	0.7	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 200.8	Cadmium	0.08	µg/L	DNQ	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 200.8	Cadmium	0.1	µg/L	=	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 110.2	Color	300	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 110.2	Color	250	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 110.2	Color	200	color units	=	75	80				Analytes analyzed at a secondary dilution	DF=25
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 110.2	Color	100	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 110.2	Color	85	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 110.2	Color	280	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 200.8	Copper	8	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 200.8	Copper	14	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 200.8	Copper	1.7	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 200.8	Copper	3.3	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 200.8	Copper	2	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 200.8	Copper	3.5	µg/L	=	0.07	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 160.1	Dissolved Solids	150	mg/L	=	8	20				Analytes analyzed at a secondary dilution	DF=2
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 160.1	Dissolved Solids	130	mg/L	=	4	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 160.1	Dissolved Solids	120	mg/L	=	8	20				Analytes analyzed at a secondary dilution	DF=2
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 160.1	Dissolved Solids	110	mg/L	=	4	10				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 160.1	Dissolved Solids	110	mg/L	=	4	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 160.1	Dissolved Solids	74	mg/L	=	4	10				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	SM 9223 B	E. coli	770	MPN/100 mL	=	1	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	SM 9223 B	E. coli	920	MPN/100 mL	=	1	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	SM 9223 B	E. coli	490	MPN/100 mL	=	1	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	SM 9223 B	E. coli	9.7	MPN/100 mL	=	1	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	SM 9223 B	E. coli	8.4	MPN/100 mL	=	1	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	SM 9223 B	E. coli	13	MPN/100 mL	=	1	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 130.2	Hardness as CaCO3	80	mg/L	=	3	5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 130.2	Hardness as CaCO3	290	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 130.2	Hardness as CaCO3	86	mg/L	=	3	5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 130.2	Hardness as CaCO3	100	mg/L	=	6	10				Analytes analyzed at a secondary dilution	DF=2
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 130.2	Hardness as CaCO3	50	mg/L	=	3	5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 130.2	Hardness as CaCO3	32	mg/L	=	3	5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 200.8	Lead	2.4	µg/L	=	0.01	0.25				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 200.8	Lead	5.5	µg/L	=	0.01	0.25				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 200.8	Lead	0.3	µg/L	=	0.01	0.25				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 200.8	Lead	1.1	µg/L	=	0.01	0.25				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 200.8	Lead	0.98	µg/L	=	0.01	0.25				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 200.8	Lead	1.3	µg/L	=	0.01	0.25				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 200.8	Nickel	9	µg/L	=	0.02	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 200.8	Nickel	14	µg/L	=	0.02	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 200.8	Nickel	0.8	µg/L	=	0.02	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 200.8	Nickel	4.3	µg/L	=	0.02	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 200.8	Nickel	2.7	µg/L	=	0.02	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 200.8	Nickel	4.2	µg/L	=	0.02	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 354.1	Nitrite as N	0.016	mg/L	DNQ	0.004	0.03				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 354.1	Nitrite as N	0.011	mg/L	DNQ	0.004	0.03				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 354.1	Nitrite as N	0.004	mg/L	DNQ	0.002	0.03				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 354.1	Nitrite as N	0.007	mg/L	DNQ	0.002	0.03				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 351.3	Nitrogen, Total Kjeldahl	2	mg/L	=	0.06	0.1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 351.3	Nitrogen, Total Kjeldahl	1.7	mg/L	=	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 351.3	Nitrogen, Total Kjeldahl	2.3	mg/L	=	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.93	mg/L	=	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 351.3	Nitrogen, Total Kjeldahl	1.1	mg/L	=	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 351.3	Nitrogen, Total Kjeldahl	1.7	mg/L	=	0.06	0.1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 365.2	OrthoPhosphate as P	0.11	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 365.2	OrthoPhosphate as P	0.1	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 365.2	OrthoPhosphate as P	0.055	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 365.2	OrthoPhosphate as P	0.038	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 365.2	OrthoPhosphate as P	0.033	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 365.2	OrthoPhosphate as P	0.033	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 365.2	Phosphate as P	0.37	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 365.2	Phosphate as P	0.46	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 365.2	Phosphate as P	0.38	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 365.2	Phosphate as P	0.32	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 365.2	Phosphate as P	0.19	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 365.2	Phosphate as P	0.26	mg/L	=	0.01	0.01				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 200.8	Selenium	0.3	µg/L	DNQ	0.11	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 200.8	Selenium	0.8	µg/L	DNQ	0.11	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 200.8	Selenium	0.69	µg/L	DNQ	0.11	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 200.8	Selenium	0.36	µg/L	DNQ	0.11	1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 415.1	Total Organic Carbon	14	mg/L	=	0.3	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 415.1	Total Organic Carbon	11	mg/L	=	0.3	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 415.1	Total Organic Carbon	13	mg/L	=	0.1	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 415.1	Total Organic Carbon	8.3	mg/L	=	0.1	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 415.1	Total Organic Carbon	7.4	mg/L	=	0.1	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 415.1	Total Organic Carbon	7.6	mg/L	=	0.1	0.5				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 180.1	Turbidity	140	NTU	=	0.3	0.5				Analytes analyzed at a secondary dilution	DF=10
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 180.1	Turbidity	120	NTU	=	0.2	0.5				Analytes analyzed at a secondary dilution	DF=10
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 180.1	Turbidity	93	NTU	=	0.2	0.5				Analytes analyzed at a secondary dilution	DF=10
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 180.1	Turbidity	44	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 180.1	Turbidity	23	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 180.1	Turbidity	68	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Black Rascal Creek @ Yosemite Rd	E	1.00	4/29/08	17:20	EPA 200.8	Zinc	8	µg/L	=	0.2	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	5/27/08	15:40	EPA 200.8	Zinc	26	µg/L	=	0.2	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	6/24/08	15:30	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Black Rascal Creek @ Yosemite Rd	E	1.00	7/29/08	18:40	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	8/26/08	16:30	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Black Rascal Creek @ Yosemite Rd	E	1.00	9/30/08	14:20	EPA 200.8	Zinc	7	µg/L	=	0.2	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 350.2	Ammonia as N	0.055	mg/L	DNQ	0.04	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 350.2	Ammonia as N	0.055	mg/L	DNQ	0.04	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 200.8	Arsenic	2	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 200.8	Arsenic	1.1	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 200.8	Arsenic	1.4	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 200.8	Arsenic	1.1	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 200.8	Arsenic	0.8	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 200.8	Boron	32	µg/L	=	0.7	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 200.8	Boron	36	µg/L	=	0.7	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 200.8	Boron	34	µg/L	=	0.7	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 200.8	Boron	34	µg/L	=	0.7	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 200.8	Boron	27	µg/L	=	0.7	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 110.2	Color	35	color units	=	3	3				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 110.2	Color	32	color units	=	3	3				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 110.2	Color	46	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 110.2	Color	170	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 110.2	Color	28	color units	=	3	3				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 200.8	Copper	8	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 200.8	Copper	4.9	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 200.8	Copper	4.5	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 200.8	Copper	4.8	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 200.8	Copper	4.4	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 160.1	Dissolved Solids	82	mg/L	=	4	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 160.1	Dissolved Solids	110	mg/L	=	4	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 160.1	Dissolved Solids	100	mg/L	=	4	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 160.1	Dissolved Solids	94	mg/L	=	4	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 160.1	Dissolved Solids	85	mg/L	=	4	10				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	SM 9223 B	E. coli	580	MPN/100 mL	=	1	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	SM 9223 B	E. coli	250	MPN/100 mL	=	1	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	SM 9223 B	E. coli	1300	MPN/100 mL	=	1	1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	SM 9223 B	E. coli	1000	MPN/100 mL	=	1	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	SM 9223 B	E. coli	390	MPN/100 mL	=	1	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 130.2	Hardness as CaCO3	70	mg/L	=	3	5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 130.2	Hardness as CaCO3	190	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 130.2	Hardness as CaCO3	58	mg/L	=	3	5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 130.2	Hardness as CaCO3	120	mg/L	=	6	10				Analytes analyzed at a secondary dilution	DF=2
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 130.2	Hardness as CaCO3	34	mg/L	=	3	5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 200.8	Lead	0.82	µg/L	=	0.01	0.25				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 200.8	Lead	0.24	µg/L	DNQ	0.01	0.25				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 200.8	Lead	0.59	µg/L	=	0.01	0.25				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 200.8	Lead	1	µg/L	=	0.01	0.25				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 200.8	Lead	0.6	µg/L	=	0.01	0.25				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 200.8	Nickel	1.7	µg/L	=	0.02	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 200.8	Nickel	0.8	µg/L	=	0.02	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 200.8	Nickel	1	µg/L	=	0.02	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 200.8	Nickel	1.3	µg/L	=	0.02	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 200.8	Nickel	0.8	µg/L	=	0.02	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 300.0	Nitrate as N	0.28	mg/L	=	0.01	0.05				None	DF=1

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Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 354.1	Nitrite as N	0.005	mg/L	DNQ	0.004	0.03				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 354.1	Nitrite as N	0.005	mg/L	DNQ	0.002	0.03				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 354.1	Nitrite as N	0.002	mg/L	DNQ	0.002	0.03				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.81	mg/L	=	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.33	mg/L	=	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.38	mg/L	=	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 351.3	Nitrogen, Total Kjeldahl	1.3	mg/L	=	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.4	mg/L	=	0.06	0.1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 365.2	OrthoPhosphate as P	0.01	mg/L	=	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 365.2	Phosphate as P	0.23	mg/L	=	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 365.2	Phosphate as P	0.053	mg/L	=	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 365.2	Phosphate as P	0.054	mg/L	=	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 365.2	Phosphate as P	0.48	mg/L	=	0.01	0.01				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 365.2	Phosphate as P	0.059	mg/L	=	0.01	0.01				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 200.8	Selenium	0.3	µg/L	DNQ	0.11	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 200.8	Selenium	0.83	µg/L	DNQ	0.11	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 200.8	Selenium	0.73	µg/L	DNQ	0.11	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 415.1	Total Organic Carbon	6.4	mg/L	=	0.3	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 415.1	Total Organic Carbon	5.3	mg/L	=	0.3	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 415.1	Total Organic Carbon	5.8	mg/L	=	0.1	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 415.1	Total Organic Carbon	5.3	mg/L	=	0.1	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 415.1	Total Organic Carbon	4.4	mg/L	=	0.1	0.5				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 180.1	Turbidity	4.2	NTU	=	0.03	0.05				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 180.1	Turbidity	4.3	NTU	=	0.02	0.05				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 180.1	Turbidity	8.4	NTU	=	0.02	0.05				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 180.1	Turbidity	100	NTU	=	0.2	0.5				Analytes analyzed at a secondary dilution	DF=10
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 180.1	Turbidity	11	NTU	=	0.02	0.05				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	4/29/08	10:30	EPA 200.8	Zinc	10	µg/L	=	0.2	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	5/27/08	10:40	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	6/24/08	10:30	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	7/29/08	11:10	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Cottonwood Creek @ Rd 20	E	1.00	8/26/08	10:30	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 200.8	Arsenic	0.9	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 200.8	Boron	37	µg/L	=	0.7	10				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 200.8	Copper	2.4	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	6/24/08	9:30	EPA 200.8	Copper	39	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	7/29/08	10:10	EPA 200.8	Copper	2.3	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	8/26/08	9:40	EPA 200.8	Copper	2.1	µg/L	=	0.07	0.5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 130.2	Hardness as CaCO3	72	mg/L	=	3	5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	6/24/08	9:30	EPA 130.2	Hardness as CaCO3	54	mg/L	=	3	5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	7/29/08	10:10	EPA 130.2	Hardness as CaCO3	50	mg/L	=	3	5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	8/26/08	9:40	EPA 130.2	Hardness as CaCO3	42	mg/L	=	3	5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 200.8	Lead	0.14	µg/L	DNQ	0.01	0.25				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 200.8	Selenium	0.22	µg/L	DNQ	0.11	1				None	DF=1
Cottonwood Creek at Highway 145	MPM	1.00	5/27/08	11:40	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 350.2	Ammonia as N	0.45	mg/L	=	0.04	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 350.2	Ammonia as N	0.11	mg/L	=	0.04	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 350.2	Ammonia as N	0.077	mg/L	DNQ	0.05	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 200.8	Arsenic	18	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 200.8	Arsenic	10	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 200.8	Arsenic	6.5	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 200.8	Arsenic	4.7	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 200.8	Arsenic	4.6	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 200.8	Arsenic	5.8	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 200.8	Boron	48	µg/L	=	0.7	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 200.8	Boron	34	µg/L	=	0.7	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 200.8	Boron	25	µg/L	=	0.7	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 200.8	Boron	28	µg/L	=	0.7	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 200.8	Boron	52	µg/L	=	0.7	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 200.8	Boron	30	µg/L	=	0.7	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 110.2	Color	100	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 110.2	Color	85	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 110.2	Color	60	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 110.2	Color	130	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 110.2	Color	65	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 110.2	Color	75	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	2.00	9/30/08	10:30	EPA 110.2	Color	75	color units	=	20	20	75	RPD 0	RPD <25	Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	MPM	1.00	4/22/08	14:10	EPA 200.8	Copper	4.2	µg/L	=	0.1	0.5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 200.8	Copper	5.8	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MPM	1.00	5/20/08	15:00	EPA 200.8	Copper	6.2	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 200.8	Copper	5	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 200.8	Copper	5	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 200.8	Copper	7	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 200.8	Copper	3.9	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 200.8	Copper	4.5	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 160.1	Dissolved Solids	390	mg/L	=	4	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 160.1	Dissolved Solids	520	mg/L	=	4	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 160.1	Dissolved Solids	170	mg/L	=	4	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 160.1	Dissolved Solids	180	mg/L	=	4	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 160.1	Dissolved Solids	220	mg/L	=	4	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 160.1	Dissolved Solids	250	mg/L	=	4	10				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	2.00	9/30/08	10:30	EPA 160.1	Dissolved Solids	261	mg/L	=	4	10	250	RPD 5.5	RPD <25	None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	SM 9223 B	E. coli	>2400	MPN/100 mL	=	1	1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	SM 9223 B	E. coli	210	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	SM 9223 B	E. coli	150	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	SM 9223 B	E. coli	120	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	SM 9223 B	E. coli	330	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	SM 9223 B	E. coli	110	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MPM	1.00	4/22/08	14:10	EPA 130.2	Hardness as CaCO3	180	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 130.2	Hardness as CaCO3	180	mg/L	=	3	5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MPM	1.00	5/20/08	15:00	EPA 130.2	Hardness as CaCO3	170	mg/L	=	3	5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 130.2	Hardness as CaCO3	370	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 130.2	Hardness as CaCO3	82	mg/L	=	3	5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 130.2	Hardness as CaCO3	88	mg/L	=	3	5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 130.2	Hardness as CaCO3	88	mg/L	=	3	5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 130.2	Hardness as CaCO3	90	mg/L	=	3	5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 200.8	Lead	0.71	µg/L	=	0.01	0.25				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 200.8	Lead	0.73	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 200.8	Lead	1	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 200.8	Lead	1.7	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 200.8	Lead	0.93	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 200.8	Lead	0.95	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 200.8	Nickel	6.1	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 200.8	Nickel	5.9	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 200.8	Nickel	5	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 200.8	Nickel	6.7	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 200.8	Nickel	3.4	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 200.8	Nickel	4.2	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 300.0	Nitrate as N	0.29	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 300.0	Nitrate as N	2	mg/L	=	0.01	0.05				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 300.0	Nitrate as N	0.21	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 300.0	Nitrate as N	0.22	mg/L	=	0.01	0.05				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 300.0	Nitrate as N	1.7	mg/L	=	0.01	0.05				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 300.0	Nitrate as N	0.81	mg/L	=	0.01	0.05				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 354.1	Nitrite as N	0.079	mg/L	=	0.004	0.03				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 354.1	Nitrite as N	0.11	mg/L	=	0.004	0.03				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 354.1	Nitrite as N	0.018	mg/L	DNQ	0.004	0.03				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 354.1	Nitrite as N	0.014	mg/L	DNQ	0.002	0.03				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 354.1	Nitrite as N	0.028	mg/L	DNQ	0.002	0.03				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 354.1	Nitrite as N	0.031	mg/L	=	0.002	0.03				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 351.3	Nitrogen, Total Kjeldahl	2.2	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	1.4	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.62	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.68	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 351.3	Nitrogen, Total Kjeldahl	1	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	1.1	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 365.2	OrthoPhosphate as P	0.67	mg/L	=	0.01	0.01				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 365.2	OrthoPhosphate as P	0.21	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 365.2	OrthoPhosphate as P	0.084	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 365.2	OrthoPhosphate as P	0.14	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 365.2	OrthoPhosphate as P	0.78	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 365.2	OrthoPhosphate as P	0.14	mg/L	=	0.01	0.01				Field duplicate RPD above QC limit	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 365.2	Phosphate as P	0.9	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 365.2	Phosphate as P	0.36	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 365.2	Phosphate as P	0.17	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 365.2	Phosphate as P	0.29	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 365.2	Phosphate as P	0.88	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 365.2	Phosphate as P	0.17	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 200.8	Selenium	0.89	µg/L	DNQ	0.11	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 200.8	Selenium	1.8	µg/L	=	0.11	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 200.8	Selenium	0.72	µg/L	DNQ	0.11	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 200.8	Selenium	0.45	µg/L	DNQ	0.11	1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 200.8	Selenium	0.58	µg/L	DNQ	0.11	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 200.8	Selenium	0.55	µg/L	DNQ	0.11	1				Field duplicate RPD above QC limit	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 415.1	Total Organic Carbon	16	mg/L	=	0.3	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 415.1	Total Organic Carbon	5	mg/L	=	0.3	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 415.1	Total Organic Carbon	4.1	mg/L	=	0.1	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 415.1	Total Organic Carbon	4.1	mg/L	=	0.1	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 415.1	Total Organic Carbon	4.4	mg/L	=	0.1	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 415.1	Total Organic Carbon	4.4	mg/L	=	0.1	0.5				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 180.1	Turbidity	32	NTU	=	0.15	0.2				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 180.1	Turbidity	20	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 180.1	Turbidity	33	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 180.1	Turbidity	51	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 180.1	Turbidity	32	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 180.1	Turbidity	39	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek (Dutchman) @ Gurr Rd	E	2.00	9/30/08	10:30	EPA 180.1	Turbidity	38.52	NTU	=	0.04	0.1	39	RPD 0.2	RPD <25	Analytes analyzed at a secondary dilution	DF=2
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	4/29/08	12:50	EPA 200.8	Zinc	14	µg/L	=	0.2	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	5/27/08	12:30	EPA 200.8	Zinc	8	µg/L	=	0.2	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	6/24/08	11:00	EPA 200.8	Zinc	9	µg/L	=	0.2	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	7/29/08	11:40	EPA 200.8	Zinc	14	µg/L	=	0.2	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	8/26/08	10:40	EPA 200.8	Zinc	12	µg/L	=	0.2	1				None	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	E	1.00	9/30/08	10:30	EPA 200.8	Zinc	8	µg/L	=	0.2	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 350.2	Ammonia as N	0.066	mg/L	DNQ	0.04	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 350.2	Ammonia as N	0.23	mg/L	=	0.04	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 200.8	Arsenic	16	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 200.8	Arsenic	12	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 200.8	Arsenic	17	µg/L	=	0.07	0.5				None	DF=1

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Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 200.8	Arsenic	9.8	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 200.8	Arsenic	11	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 200.8	Arsenic	13	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 200.8	Boron	34	µg/L	=	0.7	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 200.8	Boron	35	µg/L	=	0.7	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 200.8	Boron	39	µg/L	=	0.7	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 200.8	Boron	37	µg/L	=	0.7	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 200.8	Boron	36	µg/L	=	0.7	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 200.8	Boron	34	µg/L	=	0.7	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 110.2	Color	44	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 110.2	Color	68	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 110.2	Color	90	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 110.2	Color	66	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 110.2	Color	46	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 110.2	Color	80	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 200.8	Copper	3.1	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 200.8	Copper	4.3	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 200.8	Copper	3	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 200.8	Copper	2.8	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 200.8	Copper	2.1	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 200.8	Copper	3.4	µg/L	=	0.07	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 160.1	Dissolved Solids	390	mg/L	=	4	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 160.1	Dissolved Solids	360	mg/L	=	4	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 160.1	Dissolved Solids	300	mg/L	=	4	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 160.1	Dissolved Solids	350	mg/L	=	4	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 160.1	Dissolved Solids	390	mg/L	=	4	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 160.1	Dissolved Solids	350	mg/L	=	4	10				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	SM 9223 B	E. coli	610	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	SM 9223 B	E. coli	610	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	SM 9223 B	E. coli	310	MPN/100 mL	=	1	1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	SM 9223 B	E. coli	490	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	SM 9223 B	E. coli	51	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	SM 9223 B	E. coli	140	MPN/100 mL	=	1	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 130.2	Hardness as CaCO3	160	mg/L	=	3	5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 130.2	Hardness as CaCO3	170	mg/L	=	3	5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 130.2	Hardness as CaCO3	140	mg/L	=	3	5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 130.2	Hardness as CaCO3	150	mg/L	=	3	5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 130.2	Hardness as CaCO3	150	mg/L	=	3	5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 130.2	Hardness as CaCO3	140	mg/L	=	3	5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 200.8	Lead	0.52	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 200.8	Lead	0.64	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 200.8	Lead	0.27	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 200.8	Lead	0.45	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 200.8	Lead	0.25	µg/L	DNQ	0.01	0.25				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 200.8	Lead	0.44	µg/L	=	0.01	0.25				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 200.8	Nickel	3.6	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 200.8	Nickel	4.5	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 200.8	Nickel	3.6	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 200.8	Nickel	4.1	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 200.8	Nickel	1.9	µg/L	=	0.02	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 200.8	Nickel	3.7	µg/L	=	0.02	0.5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 300.0	Nitrate as N	0.22	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 300.0	Nitrate as N	0.075	mg/L	=	0.01	0.05				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 300.0	Nitrate as N	0.042	mg/L	DNQ	0.01	0.05				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 300.0	Nitrate as N	0.11	mg/L	=	0.01	0.05				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 354.1	Nitrite as N	0.015	mg/L	DNQ	0.004	0.03				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 354.1	Nitrite as N	0.006	mg/L	DNQ	0.004	0.03				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 354.1	Nitrite as N	0.006	mg/L	DNQ	0.004	0.03				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 354.1	Nitrite as N	0.006	mg/L	DNQ	0.002	0.03				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 354.1	Nitrite as N	0.003	mg/L	DNQ	0.002	0.03				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 354.1	Nitrite as N	0.006	mg/L	DNQ	0.002	0.03				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.76	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.63	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	1	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.82	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.46	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.59	mg/L	=	0.06	0.1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 365.2	OrthoPhosphate as P	0.094	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 365.2	OrthoPhosphate as P	0.023	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 365.2	OrthoPhosphate as P	0.2	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 365.2	OrthoPhosphate as P	0.076	mg/L	=	0.01	0.01				None	DF=1

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Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 365.2	OrthoPhosphate as P	0.016	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 365.2	OrthoPhosphate as P	0.06	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 365.2	Phosphate as P	0.19	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 365.2	Phosphate as P	0.14	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 365.2	Phosphate as P	0.29	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 365.2	Phosphate as P	0.18	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 365.2	Phosphate as P	0.069	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 365.2	Phosphate as P	0.13	mg/L	=	0.01	0.01				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 200.8	Selenium	0.62	µg/L	DNQ	0.11	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 200.8	Selenium	1.2	µg/L	=	0.11	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 200.8	Selenium	0.86	µg/L	DNQ	0.11	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 200.8	Selenium	0.58	µg/L	DNQ	0.11	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 200.8	Selenium	0.54	µg/L	DNQ	0.11	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 200.8	Selenium	0.35	µg/L	DNQ	0.11	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 415.1	Total Organic Carbon	2.6	mg/L	=	0.3	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 415.1	Total Organic Carbon	2.6	mg/L	=	0.3	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 415.1	Total Organic Carbon	7.4	mg/L	=	0.1	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 415.1	Total Organic Carbon	6.3	mg/L	=	0.1	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 415.1	Total Organic Carbon	4.5	mg/L	=	0.1	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 415.1	Total Organic Carbon	2.8	mg/L	=	0.1	0.5				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 180.1	Turbidity	20	NTU	=	0.03	0.05				None	DF=1

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Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 180.1	Turbidity	25	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 180.1	Turbidity	12	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 180.1	Turbidity	14	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 180.1	Turbidity	5.8	NTU	=	0.02	0.05				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 180.1	Turbidity	25	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Deadman Creek @ Hwy 59	E	1.00	4/29/08	13:50	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	5/27/08	13:30	EPA 200.8	Zinc	7	µg/L	=	0.2	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	6/24/08	12:00	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	7/29/08	12:30	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	8/26/08	11:40	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
Deadman Creek @ Hwy 59	E	1.00	9/30/08	12:20	EPA 200.8	Zinc	7	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 200.8	Arsenic	1.8	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 200.8	Arsenic	1.8	µg/L	=	0.07	0.5				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 200.8	Arsenic	1.5	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 200.8	Arsenic	1.3	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 200.8	Arsenic	1.4	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 200.8	Boron	31	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 200.8	Boron	36	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 200.8	Boron	19	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 200.8	Boron	14	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 200.8	Boron	13	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 110.2	Color	20	color units	=	3	3				Field duplicate RPD above QC limit	DF=1
Dry Creek @ Rd 18	E	2.00	4/29/08	12:00	EPA 110.2	Color	20	color units	=	3	3	20	RPD 0	RPD <25	None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 110.2	Color	23	color units	=	3	3				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 110.2	Color	13	color units	=	3	3				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 110.2	Color	14	color units	=	3	3				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 110.2	Color	25	color units	=	3	3				None	DF=1
Dry Creek @ Rd 18	E	2.00	8/26/08	12:30	EPA 110.2	Color	25	color units	=	3	3	25	RPD 0	RPD <25	None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 200.8	Copper	6.8	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 200.8	Copper	5	µg/L	=	0.07	0.5				None	DF=1

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Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 200.8	Copper	4	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 200.8	Copper	5.9	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 200.8	Copper	5.1	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 160.1	Dissolved Solids	33	mg/L	=	4	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 160.1	Dissolved Solids	22	mg/L	=	4	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 160.1	Dissolved Solids	21	mg/L	=	4	10				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 160.1	Dissolved Solids	19	mg/L	=	4	10				Field duplicate RPD above QC limit	DF=1
Dry Creek @ Rd 18	E	2.00	8/26/08	12:30	EPA 160.1	Dissolved Solids	18	mg/L	=	4	10	19	RPD 5.4	RPD <25	None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	SM 9223 B	E. coli	37	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	SM 9223 B	E. coli	35	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	SM 9223 B	E. coli	170	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	SM 9223 B	E. coli	21	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	SM 9223 B	E. coli	62	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 130.2	Hardness as CaCO3	26	mg/L	=	3	5				Field duplicate RPD above QC limit	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 130.2	Hardness as CaCO3	32	mg/L	=	3	5				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 130.2	Hardness as CaCO3	22	mg/L	=	3	5				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 130.2	Hardness as CaCO3	12	mg/L	=	3	5				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 130.2	Hardness as CaCO3	10	mg/L	=	3	5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 200.8	Lead	0.2	µg/L	DNQ	0.01	0.25				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 200.8	Lead	0.2	µg/L	DNQ	0.01	0.25				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 200.8	Lead	0.12	µg/L	DNQ	0.01	0.25				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 200.8	Lead	0.15	µg/L	DNQ	0.01	0.25				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 200.8	Lead	0.36	µg/L	=	0.01	0.25				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 200.8	Nickel	0.5	µg/L	=	0.02	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 200.8	Nickel	0.4	µg/L	DNQ	0.02	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 200.8	Nickel	0.3	µg/L	DNQ	0.02	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 200.8	Nickel	0.3	µg/L	DNQ	0.02	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 200.8	Nickel	0.5	µg/L	DNQ	0.02	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.32	mg/L	=	0.06	0.1				Field duplicate RPD above QC limit	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.066	mg/L	DNQ	0.06	0.1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.24	mg/L	=	0.06	0.1				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 365.2	Phosphate as P	0.041	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 365.2	Phosphate as P	0.04	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 365.2	Phosphate as P	0.032	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 365.2	Phosphate as P	0.022	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 365.2	Phosphate as P	0.043	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 200.8	Selenium	0.14	µg/L	DNQ	0.11	1				Field duplicate RPD above QC limit	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 200.8	Selenium	0.25	µg/L	DNQ	0.11	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 200.8	Selenium	0.56	µg/L	DNQ	0.11	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 200.8	Selenium	0.33	µg/L	DNQ	0.11	1				Field duplicate RPD above QC limit	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 415.1	Total Organic Carbon	4.5	mg/L	=	0.3	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.3	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 415.1	Total Organic Carbon	3	mg/L	=	0.1	0.5				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 415.1	Total Organic Carbon	2.4	mg/L	=	0.1	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.1	0.5				None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 180.1	Turbidity	3.9	NTU	=	0.03	0.05				None	DF=1
Dry Creek @ Rd 18	E	2.00	4/29/08	12:00	EPA 180.1	Turbidity	4.01	NTU	=	0.03	0.05	3.9	RPD 2.5	RPD <25	None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 180.1	Turbidity	6	NTU	=	0.02	0.05				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 180.1	Turbidity	2.7	NTU	=	0.02	0.05				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 180.1	Turbidity	3.8	NTU	=	0.02	0.05				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 180.1	Turbidity	4.9	NTU	=	0.02	0.05				None	DF=1
Dry Creek @ Rd 18	E	2.00	8/26/08	12:30	EPA 180.1	Turbidity	4.74	NTU	=	0.02	0.05	4.9	RPD 3.7	RPD <25	None	DF=1
Dry Creek @ Rd 18	E	1.00	4/29/08	12:00	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	5/27/08	12:30	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	6/24/08	11:30	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	7/29/08	15:30	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Rd 18	E	1.00	8/26/08	12:30	EPA 200.8	Zinc	3	µg/L	=	0.2	1				Field duplicate RPD above QC limit	DF=1
Dry Creek @ Rd 28 1/2	MPM	1.00	7/29/08	13:00	EPA 200.8	Copper	5.3	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Rd 28 1/2	MPM	1.00	7/29/08	13:00	EPA 130.2	Hardness as CaCO3	14	mg/L	=	3	5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 350.2	Ammonia as N	0.21	mg/L	=	0.04	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 350.2	Ammonia as N	0.099	mg/L	DNQ	0.04	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 350.2	Ammonia as N	0.3	mg/L	=	0.04	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 350.2	Ammonia as N	0.16	mg/L	=	0.05	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 350.2	Ammonia as N	0.077	mg/L	DNQ	0.05	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 350.2	Ammonia as N	0.15	mg/L	=	0.05	0.1				None	DF=1

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Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 200.8	Arsenic	1.1	µg/L	=	0.03	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 200.8	Arsenic	1.5	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 200.8	Arsenic	1.2	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 200.8	Arsenic	1.3	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 200.8	Arsenic	1.2	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 200.8	Arsenic	1	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 200.8	Boron	21	µg/L	=	0.2	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 200.8	Boron	20	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 200.8	Boron	19	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 200.8	Boron	20	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 200.8	Boron	18	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 200.8	Boron	20	µg/L	=	0.7	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 200.8	Cadmium	0.02	µg/L	DNQ	0.02	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 110.2	Color	40	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 110.2	Color	120	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 110.2	Color	85	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 110.2	Color	120	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 110.2	Color	64	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 110.2	Color	64	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 200.8	Copper	4.7	µg/L	=	0.1	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 200.8	Copper	3.8	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 200.8	Copper	3.7	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 200.8	Copper	3.2	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 200.8	Copper	5.3	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 200.8	Copper	2.3	µg/L	=	0.07	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 160.1	Dissolved Solids	94	mg/L	=	4	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 160.1	Dissolved Solids	92	mg/L	=	4	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 160.1	Dissolved Solids	94	mg/L	=	4	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 160.1	Dissolved Solids	100	mg/L	=	4	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 160.1	Dissolved Solids	95	mg/L	=	4	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 160.1	Dissolved Solids	110	mg/L	=	4	10				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	SM 9223 B	E. coli	>2400	MPN/100 mL	=	1	1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	SM 9223 B	E. coli	330	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	SM 9223 B	E. coli	>2400	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	SM 9223 B	E. coli	>2400	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	SM 9223 B	E. coli	580	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	SM 9223 B	E. coli	290	MPN/100 mL	=	1	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 130.2	Hardness as CaCO3	210	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 130.2	Hardness as CaCO3	140	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 130.2	Hardness as CaCO3	58	mg/L	=	3	5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 130.2	Hardness as CaCO3	130	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 130.2	Hardness as CaCO3	80	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 130.2	Hardness as CaCO3	48	mg/L	=	3	5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 200.8	Lead	0.67	µg/L	=	0.01	0.25				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 200.8	Lead	0.83	µg/L	=	0.01	0.25				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 200.8	Lead	0.69	µg/L	=	0.01	0.25				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 200.8	Lead	0.42	µg/L	=	0.01	0.25				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 200.8	Lead	0.6	µg/L	=	0.01	0.25				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 200.8	Lead	0.28	µg/L	=	0.01	0.25				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 200.8	Nickel	2.6	µg/L	=	0.01	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 200.8	Nickel	2.4	µg/L	=	0.02	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 200.8	Nickel	2.5	µg/L	=	0.02	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 200.8	Nickel	2.1	µg/L	=	0.02	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 200.8	Nickel	2.4	µg/L	=	0.02	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 200.8	Nickel	1.7	µg/L	=	0.02	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 300.0	Nitrate as N	0.27	mg/L	=	0.01	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 300.0	Nitrate as N	0.2	mg/L	=	0.01	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 300.0	Nitrate as N	0.14	mg/L	=	0.01	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 300.0	Nitrate as N	0.14	mg/L	=	0.01	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 300.0	Nitrate as N	0.2	mg/L	=	0.01	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 300.0	Nitrate as N	0.21	mg/L	=	0.01	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 354.1	Nitrite as N	0.025	mg/L	DNQ	0.004	0.03				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 354.1	Nitrite as N	0.027	mg/L	DNQ	0.004	0.03				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 354.1	Nitrite as N	0.022	mg/L	DNQ	0.004	0.03				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 354.1	Nitrite as N	0.019	mg/L	DNQ	0.002	0.03				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 354.1	Nitrite as N	0.025	mg/L	DNQ	0.002	0.03				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 354.1	Nitrite as N	0.022	mg/L	DNQ	0.002	0.03				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 351.3	Nitrogen, Total Kjeldahl	1.2	mg/L	=	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.91	mg/L	=	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 351.3	Nitrogen, Total Kjeldahl	1.3	mg/L	=	0.06	0.1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 351.3	Nitrogen, Total Kjeldahl	1.5	mg/L	=	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.97	mg/L	=	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.86	mg/L	=	0.06	0.1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 365.2	OrthoPhosphate as P	0.68	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 365.2	OrthoPhosphate as P	0.58	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 365.2	OrthoPhosphate as P	0.66	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 365.2	OrthoPhosphate as P	0.71	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 365.2	OrthoPhosphate as P	0.57	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 365.2	OrthoPhosphate as P	0.52	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 365.2	Phosphate as P	0.8	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 365.2	Phosphate as P	0.66	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 365.2	Phosphate as P	0.75	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 365.2	Phosphate as P	0.75	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 365.2	Phosphate as P	0.62	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 365.2	Phosphate as P	0.58	mg/L	=	0.01	0.01				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 200.8	Selenium	<0.22	µg/L	ND	0.22	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 200.8	Selenium	0.96	µg/L	DNQ	0.11	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 200.8	Selenium	0.7	µg/L	DNQ	0.11	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 200.8	Selenium	0.23	µg/L	DNQ	0.11	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 415.1	Total Organic Carbon	9.7	mg/L	=	0.3	0.5				None	DF=1

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Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 415.1	Total Organic Carbon	7	mg/L	=	0.3	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 415.1	Total Organic Carbon	7.8	mg/L	=	0.1	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 415.1	Total Organic Carbon	8.5	mg/L	=	0.1	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 415.1	Total Organic Carbon	5.8	mg/L	=	0.1	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 415.1	Total Organic Carbon	6.6	mg/L	=	0.1	0.5				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 180.1	Turbidity	19	NTU	=	0.03	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 180.1	Turbidity	22	NTU	=	0.02	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 180.1	Turbidity	22	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 180.1	Turbidity	14	NTU	=	0.02	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 180.1	Turbidity	14	NTU	=	0.02	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 180.1	Turbidity	7.5	NTU	=	0.02	0.05				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	4/22/08	8:40	EPA 200.8	Zinc	7	µg/L	=	0.6	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	5/20/08	8:40	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	6/17/08	9:00	EPA 200.8	Zinc	7	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	7/22/08	8:40	EPA 200.8	Zinc	10	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	8/19/08	8:40	EPA 200.8	Zinc	7	µg/L	=	0.2	1				None	DF=1
Dry Creek @ Wellsford Rd	E	1.00	9/23/08	8:30	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 200.8	Arsenic	1.9	µg/L	=	0.07	0.5				None	DF=1
Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 200.8	Boron	32	µg/L	=	0.7	10				None	DF=1
Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Dry Creek at Road 22	MPM	1.00	4/29/08	14:30	EPA 200.8	Copper	5.2	µg/L	=	0.07	0.5				None	DF=1

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Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 200.8	Copper	5.7	µg/L	=	0.07	0.5				None	DF=1
Dry Creek at Road 22	MPM	1.00	6/24/08	13:30	EPA 200.8	Copper	6.5	µg/L	=	0.07	0.5				None	DF=1
Dry Creek at Road 22	MPM	1.00	7/29/08	16:20	EPA 200.8	Copper	7	µg/L	=	0.07	0.5				None	DF=1
Dry Creek at Road 22	MPM	1.00	8/26/08	11:30	EPA 200.8	Copper	6.5	µg/L	=	0.07	0.5				None	DF=1
Dry Creek at Road 22	MPM	1.00	9/30/08	11:50	EPA 200.8	Copper	36	µg/L	=	0.07	0.5				None	DF=1
Dry Creek at Road 22	MPM	1.00	4/29/08	14:30	EPA 130.2	Hardness as CaCO3	26	mg/L	=	3	5				None	DF=1
Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 130.2	Hardness as CaCO3	38	mg/L	=	3	5				None	DF=1
Dry Creek at Road 22	MPM	1.00	6/24/08	13:30	EPA 130.2	Hardness as CaCO3	22	mg/L	=	3	5				None	DF=1
Dry Creek at Road 22	MPM	1.00	7/29/08	16:20	EPA 130.2	Hardness as CaCO3	20	mg/L	=	3	5				None	DF=1
Dry Creek at Road 22	MPM	1.00	8/26/08	11:30	EPA 130.2	Hardness as CaCO3	12	mg/L	=	3	5				None	DF=1
Dry Creek at Road 22	MPM	1.00	9/30/08	11:50	EPA 130.2	Hardness as CaCO3	86	mg/L	=	3	5				None	DF=1
Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 200.8	Lead	0.4	µg/L	=	0.01	0.25				None	DF=1
Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 200.8	Nickel	0.5	µg/L	=	0.02	0.5				None	DF=1
Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 200.8	Selenium	0.16	µg/L	DNQ	0.11	1				None	DF=1
Dry Creek at Road 22	MPM	1.00	5/27/08	13:30	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 350.2	Ammonia as N	0.14	mg/L	=	0.04	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 350.2	Ammonia as N	0.2	mg/L	=	0.04	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 200.8	Arsenic	2.3	µg/L	=	0.07	0.5				None	DF=1

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Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 200.8	Arsenic	3.4	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 200.8	Arsenic	1.2	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 200.8	Arsenic	2.8	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 200.8	Arsenic	1.9	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 200.8	Arsenic	2.3	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 200.8	Boron	18	µg/L	=	0.7	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 200.8	Boron	37	µg/L	=	0.7	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 200.8	Boron	11	µg/L	=	0.7	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 200.8	Boron	28	µg/L	=	0.7	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 200.8	Boron	16	µg/L	=	0.7	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 200.8	Boron	16	µg/L	=	0.7	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 110.2	Color	35	color units	=	3	3				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 110.2	Color	70	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2, No sample duplicate performed.
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 110.2	Color	35	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5

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Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 110.2	Color	65	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 110.2	Color	70	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 110.2	Color	80	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 200.8	Copper	2.7	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 200.8	Copper	7.1	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 200.8	Copper	4	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 200.8	Copper	5.4	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 200.8	Copper	3.5	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 200.8	Copper	6.1	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 160.1	Dissolved Solids	160	mg/L	=	4	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 160.1	Dissolved Solids	170	mg/L	=	4	10				None	DF=1
Duck Slough @ Gurr Rd	E	2.00	5/27/08	10:40	EPA 160.1	Dissolved Solids	165	mg/L	=	4	10	170	RPD 5.3	RPD <25	None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 160.1	Dissolved Solids	54	mg/L	=	4	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 160.1	Dissolved Solids	110	mg/L	=	4	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 160.1	Dissolved Solids	100	mg/L	=	4	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 160.1	Dissolved Solids	150	mg/L	=	4	10				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	SM 9223 B	E. coli	79	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	SM 9223 B	E. coli	150	MPN/100 mL	=	1	1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	SM 9223 B	E. coli	120	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	SM 9223 B	E. coli	42	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	SM 9223 B	E. coli	150	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	SM 9223 B	E. coli	180	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 130.2	Hardness as CaCO3	84	mg/L	=	3	5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 130.2	Hardness as CaCO3	220	mg/L	=	15	20				Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	DF=5
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 130.2	Hardness as CaCO3	54	mg/L	=	3	5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 130.2	Hardness as CaCO3	72	mg/L	=	3	5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 130.2	Hardness as CaCO3	50	mg/L	=	3	5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 130.2	Hardness as CaCO3	68	mg/L	=	3	5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 200.8	Lead	0.38	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 200.8	Lead	0.95	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 200.8	Lead	0.95	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 200.8	Lead	1.1	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 200.8	Lead	1.1	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 200.8	Lead	1.5	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 200.8	Nickel	2.1	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 200.8	Nickel	5.4	µg/L	=	0.02	0.5				None	DF=1

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Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 200.8	Nickel	3	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 200.8	Nickel	4.8	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 200.8	Nickel	2.4	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 200.8	Nickel	4.7	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 300.0	Nitrate as N	0.56	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 300.0	Nitrate as N	1.7	mg/L	=	0.01	0.05				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 300.0	Nitrate as N	0.31	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 300.0	Nitrate as N	0.41	mg/L	=	0.01	0.05				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 300.0	Nitrate as N	0.59	mg/L	=	0.01	0.05				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 300.0	Nitrate as N	1.1	mg/L	=	0.01	0.05				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 354.1	Nitrite as N	0.032	mg/L	=	0.004	0.03				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 354.1	Nitrite as N	0.04	mg/L	=	0.004	0.03				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 354.1	Nitrite as N	0.018	mg/L	DNQ	0.004	0.03				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 354.1	Nitrite as N	0.016	mg/L	DNQ	0.002	0.03				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 354.1	Nitrite as N	0.011	mg/L	DNQ	0.002	0.03				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 354.1	Nitrite as N	0.015	mg/L	DNQ	0.002	0.03				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.46	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.97	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.36	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.56	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.48	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.81	mg/L	=	0.06	0.1				None	DF=1

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Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 365.2	OrthoPhosphate as P	0.12	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 365.2	OrthoPhosphate as P	0.58	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 365.2	OrthoPhosphate as P	0.057	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 365.2	OrthoPhosphate as P	0.47	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 365.2	OrthoPhosphate as P	0.081	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 365.2	OrthoPhosphate as P	0.062	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 365.2	Phosphate as P	0.17	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 365.2	Phosphate as P	0.61	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 365.2	Phosphate as P	0.12	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 365.2	Phosphate as P	0.55	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 365.2	Phosphate as P	0.16	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 365.2	Phosphate as P	0.17	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 200.8	Selenium	0.38	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 200.8	Selenium	1	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 200.8	Selenium	0.62	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 200.8	Selenium	0.36	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 200.8	Selenium	0.39	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 200.8	Selenium	0.21	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 415.1	Total Organic Carbon	3.8	mg/L	=	0.3	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 415.1	Total Organic Carbon	5	mg/L	=	0.3	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 415.1	Total Organic Carbon	2.6	mg/L	=	0.1	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 415.1	Total Organic Carbon	4.2	mg/L	=	0.1	0.5				None	DF=1

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Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 415.1	Total Organic Carbon	2.3	mg/L	=	0.1	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 415.1	Total Organic Carbon	3.6	mg/L	=	0.1	0.5				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 180.1	Turbidity	8.4	NTU	=	0.03	0.05				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 180.1	Turbidity	28	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Gurr Rd	E	2.00	5/27/08	10:40	EPA 180.1	Turbidity	29	NTU	=	0.04	0.1	28	RPD 3.3	RPD <25	Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 180.1	Turbidity	21	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 180.1	Turbidity	48	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 180.1	Turbidity	12	NTU	=	0.02	0.05				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 180.1	Turbidity	34	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Gurr Rd	E	1.00	4/29/08	12:00	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	5/27/08	10:40	EPA 200.8	Zinc	10	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	6/24/08	10:10	EPA 200.8	Zinc	8	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	7/29/08	11:00	EPA 200.8	Zinc	12	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	8/26/08	9:30	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Gurr Rd	E	1.00	9/30/08	9:10	EPA 200.8	Zinc	10	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Hwy 59	MPM	1.00	6/24/08	13:20	EPA 200.8	Copper	12	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 59	MPM	1.00	7/29/08	13:40	EPA 200.8	Copper	18	µg/L	=	0.07	0.5				None	DF=1

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Duck Slough @ Hwy 59	MPM	1.00	6/24/08	13:20	EPA 130.2	Hardness as CaCO3	290	mg/L	=	3	5				None	DF=1
Duck Slough @ Hwy 59	MPM	1.00	7/29/08	13:40	EPA 130.2	Hardness as CaCO3	220	mg/L	=	6	10				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 350.2	Ammonia as N	0.088	mg/L	DNQ	0.04	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 200.8	Arsenic	1.4	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 200.8	Arsenic	1.3	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 200.8	Arsenic	0.8	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 200.8	Arsenic	0.8	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 200.8	Arsenic	1.1	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 200.8	Arsenic	1.5	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 200.8	Boron	8	µg/L	DNQ	0.7	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 200.8	Boron	11	µg/L	=	0.7	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 200.8	Boron	9	µg/L	DNQ	0.7	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 200.8	Boron	7	µg/L	DNQ	0.7	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 200.8	Boron	8	µg/L	DNQ	0.7	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 200.8	Boron	9	µg/L	DNQ	0.7	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1

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Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 110.2	Color	25	color units	=	3	3				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 110.2	Color	34	color units	=	3	3				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 110.2	Color	26	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Hwy 99	E	2.00	6/24/08	15:20	EPA 110.2	Color	30	color units	=	6	6	26	RPD 14	RPD <25	Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 110.2	Color	60	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 110.2	Color	70	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 110.2	Color	50	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 200.8	Copper	3.3	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 200.8	Copper	2.4	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 200.8	Copper	2.9	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 200.8	Copper	2.7	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 200.8	Copper	3	µg/L	=	0.07	0.5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 200.8	Copper	3.8	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 160.1	Dissolved Solids	54	mg/L	=	4	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 160.1	Dissolved Solids	97	mg/L	=	4	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 160.1	Dissolved Solids	35	mg/L	=	4	10				Field duplicate RPD above QC limit	DF=1
Duck Slough @ Hwy 99	E	2.00	6/24/08	15:20	EPA 160.1	Dissolved Solids	39	mg/L	=	4	10	35	RPD 11	RPD <25	None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 160.1	Dissolved Solids	29	mg/L	=	4	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 160.1	Dissolved Solids	63	mg/L	=	4	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 160.1	Dissolved Solids	85	mg/L	=	4	10				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	SM 9223 B	E. coli	280	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	SM 9223 B	E. coli	61	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	SM 9223 B	E. coli	93	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	SM 9223 B	E. coli	75	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	SM 9223 B	E. coli	37	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	SM 9223 B	E. coli	72	MPN/100 mL	=	1	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 130.2	Hardness as CaCO3	64	mg/L	=	3	5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 130.2	Hardness as CaCO3	86	mg/L	=	3	5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 130.2	Hardness as CaCO3	44	mg/L	=	3	5				Field duplicate RPD above QC limit	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 130.2	Hardness as CaCO3	22	mg/L	=	3	5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 130.2	Hardness as CaCO3	30	mg/L	=	3	5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 130.2	Hardness as CaCO3	38	mg/L	=	3	5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 200.8	Lead	1.4	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 200.8	Lead	0.42	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 200.8	Lead	0.53	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 200.8	Lead	0.69	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 200.8	Lead	0.72	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 200.8	Lead	0.71	µg/L	=	0.01	0.25				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 200.8	Nickel	3	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 200.8	Nickel	2.1	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 200.8	Nickel	2.4	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 200.8	Nickel	2.6	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 200.8	Nickel	2.5	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 200.8	Nickel	3.1	µg/L	=	0.02	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 300.0	Nitrate as N	0.049	mg/L	DNQ	0.01	0.05				None	DF=1, Batch run overnight.
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 300.0	Nitrate as N	0.88	mg/L	=	0.01	0.05				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 300.0	Nitrate as N	0.14	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 300.0	Nitrate as N	0.12	mg/L	=	0.01	0.05				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 300.0	Nitrate as N	0.73	mg/L	=	0.01	0.05				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 300.0	Nitrate as N	0.97	mg/L	=	0.01	0.05				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 354.1	Nitrite as N	0.006	mg/L	DNQ	0.004	0.03				None	DF=1

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Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 354.1	Nitrite as N	0.009	mg/L	DNQ	0.004	0.03				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 354.1	Nitrite as N	0.015	mg/L	DNQ	0.002	0.03				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 354.1	Nitrite as N	0.014	mg/L	DNQ	0.002	0.03				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 354.1	Nitrite as N	0.009	mg/L	DNQ	0.002	0.03				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.46	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.2	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.077	mg/L	DNQ	0.06	0.1				Field duplicate RPD above QC limit	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.3	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.3	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.59	mg/L	=	0.06	0.1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 365.2	OrthoPhosphate as P	0.047	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 365.2	OrthoPhosphate as P	0.03	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 365.2	OrthoPhosphate as P	0.03	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 365.2	OrthoPhosphate as P	0.025	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 365.2	OrthoPhosphate as P	0.081	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 365.2	OrthoPhosphate as P	0.09	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 365.2	Phosphate as P	0.1	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 365.2	Phosphate as P	0.081	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 365.2	Phosphate as P	0.079	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 365.2	Phosphate as P	0.077	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 365.2	Phosphate as P	0.13	mg/L	=	0.01	0.01				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 365.2	Phosphate as P	0.14	mg/L	=	0.01	0.01				None	DF=1

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Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 200.8	Selenium	0.32	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 200.8	Selenium	0.75	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 200.8	Selenium	0.52	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 200.8	Selenium	0.34	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 200.8	Selenium	0.29	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 200.8	Selenium	0.15	µg/L	DNQ	0.11	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 415.1	Total Organic Carbon	4	mg/L	=	0.3	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 415.1	Total Organic Carbon	1.9	mg/L	=	0.3	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 415.1	Total Organic Carbon	2.6	mg/L	=	0.1	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 415.1	Total Organic Carbon	3.3	mg/L	=	0.1	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 415.1	Total Organic Carbon	2.8	mg/L	=	0.1	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.1	0.5				None	DF=1
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 180.1	Turbidity	14	NTU	=	0.03	0.05				None	DF=1
Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 180.1	Turbidity	9.8	NTU	=	0.02	0.05				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 180.1	Turbidity	16	NTU	=	0.02	0.05				None	DF=1
Duck Slough @ Hwy 99	E	2.00	6/24/08	15:20	EPA 180.1	Turbidity	15.8	NTU	=	0.02	0.05	16	RPD 3.3	RPD <25	None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 180.1	Turbidity	42	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 180.1	Turbidity	20	NTU	=	0.02	0.05				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 180.1	Turbidity	25	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Duck Slough @ Hwy 99	E	1.00	4/29/08	16:00	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1

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Duck Slough @ Hwy 99	E	1.00	5/27/08	15:30	EPA 200.8	Zinc	7	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	6/24/08	15:20	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	7/29/08	17:40	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	8/26/08	14:30	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Hwy 99	E	1.00	9/30/08	15:10	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	4/29/08	16:40	EPA 200.8	Copper	3.5	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	6/24/08	14:20	EPA 200.8	Copper	73	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	7/29/08	18:20	EPA 200.8	Copper	3	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	8/26/08	15:20	EPA 200.8	Copper	3.4	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	9/30/08	15:20	EPA 200.8	Copper	3.7	µg/L	=	0.07	0.5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	4/29/08	16:40	EPA 130.2	Hardness as CaCO3	48	mg/L	=	3	5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	6/24/08	14:20	EPA 130.2	Hardness as CaCO3	48	mg/L	=	3	5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	7/29/08	18:20	EPA 130.2	Hardness as CaCO3	52	mg/L	=	3	5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	8/26/08	15:20	EPA 130.2	Hardness as CaCO3	16	mg/L	=	3	5				None	DF=1
Duck Slough @ Whealan Rd	MPM	1.00	9/30/08	15:20	EPA 130.2	Hardness as CaCO3	10	mg/L	=	3	5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 350.2	Ammonia as N	0.36	mg/L	=	0.04	0.1				Field duplicate RPD above QC limit	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 350.2	Ammonia as N	0.22	mg/L	=	0.04	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 350.2	Ammonia as N	0.2	mg/L	=	0.04	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 350.2	Ammonia as N	1.5	mg/L	=	0.05	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 350.2	Ammonia as N	0.2	mg/L	=	0.05	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 200.8	Arsenic	17	µg/L	=	0.03	0.5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 200.8	Arsenic	18	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 200.8	Arsenic	17	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 200.8	Arsenic	19	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 200.8	Arsenic	17	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 200.8	Arsenic	15	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 200.8	Boron	170	µg/L	=	0.2	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 200.8	Boron	180	µg/L	=	0.7	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 200.8	Boron	180	µg/L	=	0.7	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 200.8	Boron	170	µg/L	=	0.7	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 200.8	Boron	210	µg/L	=	0.7	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 200.8	Boron	170	µg/L	=	0.7	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 200.8	Cadmium	0.07	µg/L	DNQ	0.02	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 110.2	Color	220	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	2.00	4/22/08	9:30	EPA 110.2	Color	225	color units	=	15	20	220	RPD 2.2	RPD <25	Analytes analyzed at a secondary dilution	DF=5

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Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 110.2	Color	60	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 110.2	Color	40	color units	=	3	3				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 110.2	Color	170	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 110.2	Color	50	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 110.2	Color	33	color units	=	3	3				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 200.8	Copper	7.8	µg/L	=	0.1	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 200.8	Copper	4.2	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 200.8	Copper	3.8	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 200.8	Copper	7.5	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 200.8	Copper	3.8	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 200.8	Copper	3.8	µg/L	=	0.07	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 160.1	Dissolved Solids	880	mg/L	=	4	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	2.00	4/22/08	9:30	EPA 160.1	Dissolved Solids	864	mg/L	=	4	10	880	RPD 1.6	RPD <25	None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 160.1	Dissolved Solids	960	mg/L	=	4	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 160.1	Dissolved Solids	930	mg/L	=	4	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 160.1	Dissolved Solids	900	mg/L	=	4	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 160.1	Dissolved Solids	900	mg/L	=	4	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 160.1	Dissolved Solids	920	mg/L	=	4	10				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	SM 9223 B	E. coli	1300	MPN/100 mL	=	1	1				None	DF=1

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Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	SM 9223 B	E. coli	2400	MPN/100 mL	=	1	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	SM 9223 B	E. coli	390	MPN/100 mL	=	1	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	SM 9223 B	E. coli	650	MPN/100 mL	=	1	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	SM 9223 B	E. coli	1400	MPN/100 mL	=	1	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	SM 9223 B	E. coli	120	MPN/100 mL	=	1	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 130.2	Hardness as CaCO3	490	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 130.2	Hardness as CaCO3	530	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 130.2	Hardness as CaCO3	500	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 130.2	Hardness as CaCO3	540	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 130.2	Hardness as CaCO3	450	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 130.2	Hardness as CaCO3	490	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 200.8	Lead	3.9	µg/L	=	0.01	0.25				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 200.8	Lead	0.04	µg/L	DNQ	0.01	0.25				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 200.8	Lead	0.05	µg/L	DNQ	0.01	0.25				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 200.8	Lead	3.8	µg/L	=	0.01	0.25				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 200.8	Lead	0.04	µg/L	DNQ	0.01	0.25				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 200.8	Lead	0.13	µg/L	DNQ	0.01	0.25				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 200.8	Nickel	7	µg/L	=	0.01	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 200.8	Nickel	4.3	µg/L	=	0.02	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 200.8	Nickel	4.1	µg/L	=	0.02	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 200.8	Nickel	7.4	µg/L	=	0.02	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 200.8	Nickel	4	µg/L	=	0.02	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 200.8	Nickel	4.9	µg/L	=	0.02	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 300.0	Nitrate as N	20	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 300.0	Nitrate as N	18	mg/L	=	0.25	1				Analytes analyzed at a secondary dilution	DF=25
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 300.0	Nitrate as N	18	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 300.0	Nitrate as N	27	mg/L	=	0.01	0.05				Analyte concentration is in excess of the instrument calibration; considered estimated	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 300.0	Nitrate as N	15	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 300.0	Nitrate as N	17	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5

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Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 354.1	Nitrite as N	0.6	mg/L	=	0.02	0.2				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 354.1	Nitrite as N	0.82	mg/L	=	0.02	0.2				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 354.1	Nitrite as N	0.7	mg/L	=	0.008	0.06				Analytes analyzed at a secondary dilution	DF=2
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 354.1	Nitrite as N	0.68	mg/L	=	0.01	0.2				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 354.1	Nitrite as N	0.54	mg/L	=	0.004	0.06				Analytes analyzed at a secondary dilution	DF=2
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 354.1	Nitrite as N	0.58	mg/L	=	0.002	0.03				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	3.6	mg/L	=	0.06	0.1				Field duplicate RPD above QC limit	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 351.3	Nitrogen, Total Kjeldahl	1.3	mg/L	=	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 351.3	Nitrogen, Total Kjeldahl	1.4	mg/L	=	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 351.3	Nitrogen, Total Kjeldahl	1.9	mg/L	=	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	2.9	mg/L	=	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 351.3	Nitrogen, Total Kjeldahl	1.3	mg/L	=	0.06	0.1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 365.2	OrthoPhosphate as P	0.43	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 365.2	OrthoPhosphate as P	0.42	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 365.2	OrthoPhosphate as P	0.47	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 365.2	OrthoPhosphate as P	0.48	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 365.2	OrthoPhosphate as P	0.48	mg/L	=	0.01	0.01				None	DF=1

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Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 365.2	OrthoPhosphate as P	0.37	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 365.2	Phosphate as P	0.89	mg/L	=	0.01	0.01				Field duplicate RPD above QC limit	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 365.2	Phosphate as P	0.44	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 365.2	Phosphate as P	0.49	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 365.2	Phosphate as P	0.72	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 365.2	Phosphate as P	0.51	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 365.2	Phosphate as P	0.42	mg/L	=	0.01	0.01				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 200.8	Selenium	0.64	µg/L	DNQ	0.22	1				Field duplicate RPD above QC limit	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 200.8	Selenium	1.3	µg/L	=	0.11	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 200.8	Selenium	1.1	µg/L	=	0.11	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 200.8	Selenium	0.22	µg/L	DNQ	0.11	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 200.8	Selenium	0.48	µg/L	DNQ	0.11	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 415.1	Total Organic Carbon	14	mg/L	=	0.3	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 415.1	Total Organic Carbon	13	mg/L	=	0.3	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 415.1	Total Organic Carbon	12	mg/L	=	0.1	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 415.1	Total Organic Carbon	12	mg/L	=	0.1	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 415.1	Total Organic Carbon	21	mg/L	=	0.1	0.5				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 415.1	Total Organic Carbon	11	mg/L	=	0.1	0.5				None	DF=1

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Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 180.1	Turbidity	22	NTU	=	0.15	0.2				Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	DF=5
Hatch Drain @ Tuolumne Rd	E	2.00	4/22/08	9:30	EPA 180.1	Turbidity	23	NTU	=	0.15	0.2	22	RPD 3.5	RPD <25	Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 180.1	Turbidity	1.4	NTU	=	0.02	0.05				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 180.1	Turbidity	1.3	NTU	=	0.02	0.05				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 180.1	Turbidity	70	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 180.1	Turbidity	1.5	NTU	=	0.02	0.05				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 180.1	Turbidity	2.2	NTU	=	0.02	0.05				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	4/22/08	9:30	EPA 200.8	Zinc	29	µg/L	=	0.6	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	5/20/08	10:50	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	6/17/08	10:10	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	7/22/08	9:50	EPA 200.8	Zinc	28	µg/L	=	0.2	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	8/19/08	10:30	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Hatch Drain @ Tuolumne Rd	E	1.00	9/23/08	10:10	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 350.2	Ammonia as N	0.055	mg/L	DNQ	0.04	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.03	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 200.8	Arsenic	0.49	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 200.8	Arsenic	0.45	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 200.8	Arsenic	0.3	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 200.8	Boron	6	µg/L	DNQ	0.2	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 200.8	Boron	6	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 200.8	Boron	6	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 200.8	Boron	5	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 200.8	Boron	5	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 200.8	Boron	5	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 110.2	Color	17	color units	=	3	3				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 110.2	Color	24	color units	=	3	3				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 110.2	Color	15	color units	=	3	3				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 110.2	Color	18	color units	=	3	3				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 110.2	Color	14	color units	=	3	3				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 110.2	Color	13	color units	=	3	3				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 200.8	Copper	1.8	µg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Hwy 99	MPM	1.00	4/29/08	8:30	EPA 200.8	Copper	1.4	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 200.8	Copper	1.6	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	MPM	1.00	6/3/08	11:10	EPA 200.8	Copper	1.5	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 200.8	Copper	1.2	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	MPM	1.00	7/8/08	10:20	EPA 200.8	Copper	1.7	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 200.8	Copper	1.2	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	MPM	1.00	8/5/08	9:20	EPA 200.8	Copper	1.6	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 200.8	Copper	1	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 200.8	Copper	1.1	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 160.1	Dissolved Solids	22	mg/L	=	4	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 160.1	Dissolved Solids	15	mg/L	=	4	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 160.1	Dissolved Solids	29	mg/L	=	4	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 160.1	Dissolved Solids	38	mg/L	=	4	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 160.1	Dissolved Solids	25	mg/L	=	4	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 160.1	Dissolved Solids	12	mg/L	=	4	10				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	SM 9223 B	E. coli	18	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	SM 9223 B	E. coli	240	MPN/100 mL	=	1	1				None	DF=1

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Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	SM 9223 B	E. coli	55	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	SM 9223 B	E. coli	12	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	SM 9223 B	E. coli	2	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 130.2	Hardness as CaCO3	40	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	MPM	1.00	4/29/08	8:30	EPA 130.2	Hardness as CaCO3	38	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 130.2	Hardness as CaCO3	100	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Highline Canal @ Hwy 99	MPM	1.00	6/3/08	11:10	EPA 130.2	Hardness as CaCO3	32	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 130.2	Hardness as CaCO3	58	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	MPM	1.00	7/8/08	10:20	EPA 130.2	Hardness as CaCO3	32	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 130.2	Hardness as CaCO3	46	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	MPM	1.00	8/5/08	9:20	EPA 130.2	Hardness as CaCO3	34	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 130.2	Hardness as CaCO3	22	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 130.2	Hardness as CaCO3	30	mg/L	=	3	5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 200.8	Lead	0.3	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 200.8	Lead	0.48	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 200.8	Lead	0.28	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 200.8	Lead	0.4	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 200.8	Lead	0.18	µg/L	DNQ	0.01	0.25				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 200.8	Lead	0.22	µg/L	DNQ	0.01	0.25				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 200.8	Nickel	1.1	µg/L	=	0.01	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 200.8	Nickel	1.1	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 200.8	Nickel	0.8	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 200.8	Nickel	0.8	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 200.8	Nickel	0.6	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 300.0	Nitrate as N	0.019	mg/L	DNQ	0.01	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 300.0	Nitrate as N	0.021	mg/L	DNQ	0.01	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 300.0	Nitrate as N	0.046	mg/L	DNQ	0.01	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 354.1	Nitrite as N	0.002	mg/L	DNQ	0.002	0.03				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.088	mg/L	DNQ	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.25	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.24	mg/L	=	0.06	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.18	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.19	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.15	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 365.2	OrthoPhosphate as P	0.015	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 365.2	OrthoPhosphate as P	0.011	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 365.2	OrthoPhosphate as P	0.046	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 365.2	Phosphate as P	0.05	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 365.2	Phosphate as P	0.05	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 365.2	Phosphate as P	0.079	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 365.2	Phosphate as P	0.046	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 365.2	Phosphate as P	0.027	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 365.2	Phosphate as P	0.027	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 200.8	Selenium	<0.22	µg/L	ND	0.22	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 200.8	Selenium	0.8	µg/L	DNQ	0.11	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 200.8	Selenium	0.7	µg/L	DNQ	0.11	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 415.1	Total Organic Carbon	2.6	mg/L	=	0.3	0.5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 415.1	Total Organic Carbon	1.7	mg/L	=	0.3	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 415.1	Total Organic Carbon	1.4	mg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 415.1	Total Organic Carbon	1.8	mg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 415.1	Total Organic Carbon	1.8	mg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 415.1	Total Organic Carbon	1.7	mg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 180.1	Turbidity	7.8	NTU	=	0.03	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 180.1	Turbidity	11	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 180.1	Turbidity	6.9	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 180.1	Turbidity	8.1	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 180.1	Turbidity	4.3	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 180.1	Turbidity	4.1	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Hwy 99	E	1.00	4/22/08	13:10	EPA 200.8	Zinc	3	µg/L	=	0.6	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	5/20/08	13:40	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	6/17/08	13:30	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	7/22/08	15:00	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	8/19/08	16:00	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Hwy 99	E	1.00	9/23/08	13:50	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.03	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 200.8	Arsenic	0.5	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 200.8	Arsenic	0.48	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 200.8	Boron	6	µg/L	DNQ	0.2	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 200.8	Boron	6	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 200.8	Boron	5	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 200.8	Boron	5	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 200.8	Boron	5	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 200.8	Boron	6	µg/L	DNQ	0.7	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 110.2	Color	20	color units	=	3	3				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 110.2	Color	20	color units	=	3	3				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 110.2	Color	10	color units	=	3	3				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 110.2	Color	13	color units	=	3	3				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 110.2	Color	15	color units	=	3	3				None	DF=1
Highline Canal @ Lombardy Rd	E	2.00	8/19/08	14:10	EPA 110.2	Color	15	color units	=	3	3	15	RPD 0	RPD <25	None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 110.2	Color	17	color units	=	3	3				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 200.8	Copper	1.8	µg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Lombardy Rd	MPM	1.00	5/7/08	11:00	EPA 200.8	Copper	1.7	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 200.8	Copper	5.9	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 200.8	Copper	1.4	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 200.8	Copper	1	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 200.8	Copper	1.2	µg/L	=	0.07	0.5				Field duplicate RPD above QC limit	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 200.8	Copper	1.1	µg/L	=	0.07	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 160.1	Dissolved Solids	38	mg/L	=	4	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 160.1	Dissolved Solids	34	mg/L	=	4	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 160.1	Dissolved Solids	30	mg/L	=	4	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 160.1	Dissolved Solids	23	mg/L	=	4	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 160.1	Dissolved Solids	21	mg/L	=	4	10				None	DF=1
Highline Canal @ Lombardy Rd	E	2.00	8/19/08	14:10	EPA 160.1	Dissolved Solids	22	mg/L	=	4	10	21	RPD 4.7	RPD <25	None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 160.1	Dissolved Solids	40	mg/L	=	4	10				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	SM 9223 B	E. coli	24	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	SM 9223 B	E. coli	650	MPN/100 mL	=	1	1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	SM 9223 B	E. coli	91	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	SM 9223 B	E. coli	9.7	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	SM 9223 B	E. coli	2	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	SM 9223 B	E. coli	6.3	MPN/100 mL	=	1	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 130.2	Hardness as CaCO3	120	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Highline Canal @ Lombardy Rd	MPM	1.00	5/7/08	11:00	EPA 130.2	Hardness as CaCO3	32	mg/L	=	3	5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 130.2	Hardness as CaCO3	140	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 130.2	Hardness as CaCO3	38	mg/L	=	3	5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 130.2	Hardness as CaCO3	100	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 130.2	Hardness as CaCO3	14	mg/L	=	3	5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 130.2	Hardness as CaCO3	30	mg/L	=	3	5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 200.8	Lead	0.35	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 200.8	Lead	1.1	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 200.8	Lead	0.38	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 200.8	Lead	0.33	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 200.8	Lead	0.27	µg/L	=	0.01	0.25				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 200.8	Lead	0.27	µg/L	=	0.01	0.25				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 200.8	Nickel	1.1	µg/L	=	0.01	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 200.8	Nickel	1.5	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 200.8	Nickel	0.9	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 200.8	Nickel	0.5	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 200.8	Nickel	0.8	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 200.8	Nickel	0.8	µg/L	=	0.02	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 300.0	Nitrate as N	0.022	mg/L	DNQ	0.01	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 300.0	Nitrate as N	0.014	mg/L	DNQ	0.01	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 300.0	Nitrate as N	0.014	mg/L	DNQ	0.01	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 300.0	Nitrate as N	0.015	mg/L	DNQ	0.01	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 300.0	Nitrate as N	0.016	mg/L	DNQ	0.01	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 354.1	Nitrite as N	0.002	mg/L	DNQ	0.002	0.03				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.13	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.19	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.22	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.25	mg/L	=	0.06	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.29	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.21	mg/L	=	0.06	0.1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 365.2	Phosphate as P	0.05	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 365.2	Phosphate as P	0.05	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 365.2	Phosphate as P	0.035	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 365.2	Phosphate as P	0.046	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 365.2	Phosphate as P	0.021	mg/L	=	0.01	0.01				Field duplicate RPD above QC limit	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 365.2	Phosphate as P	0.023	mg/L	=	0.01	0.01				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 200.8	Selenium	<0.22	µg/L	ND	0.22	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 200.8	Selenium	0.87	µg/L	DNQ	0.11	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 200.8	Selenium	0.64	µg/L	DNQ	0.11	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 200.8	Selenium	0.13	µg/L	DNQ	0.11	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 415.1	Total Organic Carbon	2.5	mg/L	=	0.3	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 415.1	Total Organic Carbon	1.5	mg/L	=	0.3	0.5				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 415.1	Total Organic Carbon	1.6	mg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 415.1	Total Organic Carbon	2.1	mg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 415.1	Total Organic Carbon	1.7	mg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 415.1	Total Organic Carbon	1.6	mg/L	=	0.1	0.5				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 180.1	Turbidity	11	NTU	=	0.03	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 180.1	Turbidity	11	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 180.1	Turbidity	8.4	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 180.1	Turbidity	8	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 180.1	Turbidity	4.5	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	2.00	8/19/08	14:10	EPA 180.1	Turbidity	4.95	NTU	=	0.02	0.05	4.5	RPD 8.6	RPD <25	None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 180.1	Turbidity	4.8	NTU	=	0.02	0.05				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	4/22/08	12:20	EPA 200.8	Zinc	3	µg/L	=	0.6	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	5/20/08	12:40	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	6/17/08	12:50	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	7/22/08	14:20	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	8/19/08	14:10	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Highline Canal @ Lombardy Rd	E	1.00	9/23/08	13:10	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 350.2	Ammonia as N	0.12	mg/L	=	0.04	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 350.2	Ammonia as N	0.16	mg/L	=	0.04	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 350.2	Ammonia as N	0.23	mg/L	=	0.04	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 200.8	Arsenic	5	µg/L	=	0.03	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 200.8	Arsenic	4.7	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 200.8	Arsenic	6.4	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 200.8	Arsenic	4.3	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 200.8	Arsenic	5	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 200.8	Arsenic	5.6	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 200.8	Boron	250	µg/L	=	0.4	10				Analytes analyzed at a secondary dilution	DF=2
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 200.8	Boron	160	µg/L	=	0.7	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 200.8	Boron	190	µg/L	=	0.7	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 200.8	Boron	180	µg/L	=	0.7	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 200.8	Boron	290	µg/L	=	0.7	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 200.8	Boron	150	µg/L	=	0.7	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 110.2	Color	35	color units	=	3	3				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 110.2	Color	32	color units	=	3	3				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 110.2	Color	100	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 110.2	Color	38	color units	=	3	3				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 110.2	Color	35	color units	=	3	3				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 110.2	Color	22	color units	=	3	3				None	DF=1
Hilmar Drain @ Central Ave	E	2.00	9/23/08	12:40	EPA 110.2	Color	22	color units	=	3	3	22	RPD 0	RPD <25	None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 200.8	Copper	4.6	µg/L	=	0.1	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 200.8	Copper	4.8	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 200.8	Copper	6.6	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 200.8	Copper	5.9	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 200.8	Copper	4.4	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 200.8	Copper	5.7	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 160.1	Dissolved Solids	960	mg/L	=	4	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 160.1	Dissolved Solids	680	mg/L	=	4	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 160.1	Dissolved Solids	650	mg/L	=	4	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 160.1	Dissolved Solids	710	mg/L	=	4	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 160.1	Dissolved Solids	1000	mg/L	=	4	10				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 160.1	Dissolved Solids	640	mg/L	=	4	10				None	DF=1
Hilmar Drain @ Central Ave	E	2.00	9/23/08	12:40	EPA 160.1	Dissolved Solids	634	mg/L	=	4	10	640	RPD 1.4	RPD <25	None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	SM 9223 B	E. coli	390	MPN/100 mL	=	1	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	SM 9223 B	E. coli	440	MPN/100 mL	=	1	1				None	DF=1

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Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	SM 9223 B	E. coli	1000	MPN/100 mL	=	1	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	SM 9223 B	E. coli	270	MPN/100 mL	=	1	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	SM 9223 B	E. coli	96	MPN/100 mL	=	1	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	SM 9223 B	E. coli	160	MPN/100 mL	=	1	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 130.2	Hardness as CaCO3	400	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 130.2	Hardness as CaCO3	420	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 130.2	Hardness as CaCO3	390	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 130.2	Hardness as CaCO3	390	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 130.2	Hardness as CaCO3	440	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 130.2	Hardness as CaCO3	270	mg/L	=	3	5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 200.8	Lead	0.12	µg/L	DNQ	0.01	0.25				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 200.8	Lead	0.25	µg/L	=	0.01	0.25				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 200.8	Lead	0.79	µg/L	=	0.01	0.25				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 200.8	Lead	0.24	µg/L	DNQ	0.01	0.25				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 200.8	Lead	0.19	µg/L	DNQ	0.01	0.25				None	DF=1

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Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 200.8	Lead	0.1	µg/L	DNQ	0.01	0.25				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 200.8	Nickel	4.6	µg/L	=	0.01	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 200.8	Nickel	3.1	µg/L	=	0.02	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 200.8	Nickel	4.5	µg/L	=	0.02	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 200.8	Nickel	4.5	µg/L	=	0.02	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 200.8	Nickel	4.5	µg/L	=	0.02	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 200.8	Nickel	3.2	µg/L	=	0.02	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 300.0	Nitrate as N	6.7	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 300.0	Nitrate as N	20	mg/L	=	0.25	1				Analytes analyzed at a secondary dilution	DF=25
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 300.0	Nitrate as N	6.9	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 300.0	Nitrate as N	21	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 300.0	Nitrate as N	7.1	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 300.0	Nitrate as N	26	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 354.1	Nitrite as N	0.099	mg/L	=	0.004	0.03				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 354.1	Nitrite as N	0.1	mg/L	=	0.004	0.03				None	DF=1

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Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 354.1	Nitrite as N	0.4	mg/L	=	0.02	0.2				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 354.1	Nitrite as N	0.084	mg/L	=	0.002	0.03				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 354.1	Nitrite as N	0.13	mg/L	=	0.002	0.03				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 354.1	Nitrite as N	0.049	mg/L	=	0.002	0.03				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	1.1	mg/L	=	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 351.3	Nitrogen, Total Kjeldahl	1.1	mg/L	=	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 351.3	Nitrogen, Total Kjeldahl	1.8	mg/L	=	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.82	mg/L	=	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	1.5	mg/L	=	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.72	mg/L	=	0.06	0.1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 365.2	OrthoPhosphate as P	0.42	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 365.2	OrthoPhosphate as P	0.4	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 365.2	OrthoPhosphate as P	0.83	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 365.2	OrthoPhosphate as P	0.36	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 365.2	OrthoPhosphate as P	0.34	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 365.2	OrthoPhosphate as P	0.78	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 365.2	Phosphate as P	0.51	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 365.2	Phosphate as P	0.52	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 365.2	Phosphate as P	1.1	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 365.2	Phosphate as P	0.42	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 365.2	Phosphate as P	0.38	mg/L	=	0.01	0.01				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 365.2	Phosphate as P	0.81	mg/L	=	0.01	0.01				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 200.8	Selenium	0.78	µg/L	DNQ	0.22	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 200.8	Selenium	1.2	µg/L	=	0.11	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 200.8	Selenium	1.1	µg/L	=	0.11	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 200.8	Selenium	0.2	µg/L	DNQ	0.11	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 200.8	Selenium	0.42	µg/L	DNQ	0.11	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 200.8	Selenium	0.8	µg/L	DNQ	0.11	1				Field duplicate RPD above QC limit	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 415.1	Total Organic Carbon	10	mg/L	=	0.3	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 415.1	Total Organic Carbon	6.8	mg/L	=	0.3	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 415.1	Total Organic Carbon	9.2	mg/L	=	0.1	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 415.1	Total Organic Carbon	11	mg/L	=	0.1	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 415.1	Total Organic Carbon	11	mg/L	=	0.1	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 415.1	Total Organic Carbon	6.8	mg/L	=	0.1	0.5				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 180.1	Turbidity	4	NTU	=	0.03	0.05				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 180.1	Turbidity	5	NTU	=	0.02	0.05				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 180.1	Turbidity	28	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 180.1	Turbidity	6.1	NTU	=	0.02	0.05				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 180.1	Turbidity	1.6	NTU	=	0.02	0.05				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 180.1	Turbidity	2.3	NTU	=	0.02	0.05				Field duplicate RPD above QC limit	DF=1
Hilmar Drain @ Central Ave	E	2.00	9/23/08	12:40	EPA 180.1	Turbidity	2.28	NTU	=	0.02	0.05	2.3	RPD 1.7	RPD <25	None	DF=1

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Hilmar Drain @ Central Ave	E	1.00	4/22/08	15:20	EPA 200.8	Zinc	3	µg/L	=	0.6	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	5/20/08	13:30	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	6/17/08	13:10	EPA 200.8	Zinc	9	µg/L	=	0.2	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	7/22/08	12:10	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	8/19/08	12:30	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Hilmar Drain @ Central Ave	E	1.00	9/23/08	12:40	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Hilmar Drain @ Mitchell Rd	MPM	1.00	7/22/08	13:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Hilmar Drain @ Mitchell Rd	MPM	1.00	7/22/08	13:00	EPA 200.8	Copper	5.5	µg/L	=	0.07	0.5				None	DF=1
Hilmar Drain @ Mitchell Rd	MPM	1.00	7/22/08	13:00	EPA 130.2	Hardness as CaCO3	350	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Hilmar Drain @ Mitchell Rd	MPM	1.00	7/22/08	13:00	EPA 300.0	Nitrate as N	28	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 350.2	Ammonia as N	0.066	mg/L	DNQ	0.04	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 350.2	Ammonia as N	0.044	mg/L	DNQ	0.04	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 200.8	Arsenic	4.3	µg/L	=	0.03	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 200.8	Arsenic	2.1	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 200.8	Arsenic	2.9	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 200.8	Arsenic	2.1	µg/L	=	0.07	0.5				None	DF=1

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Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 200.8	Arsenic	1.7	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 200.8	Arsenic	1.6	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 200.8	Boron	58	µg/L	=	0.2	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 200.8	Boron	21	µg/L	=	0.7	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 200.8	Boron	33	µg/L	=	0.7	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 200.8	Boron	27	µg/L	=	0.7	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 200.8	Boron	22	µg/L	=	0.7	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 200.8	Boron	23	µg/L	=	0.7	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 110.2	Color	7	color units	=	3	3				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 110.2	Color	18	color units	=	3	3				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 110.2	Color	13	color units	=	3	3				None	DF=1
Livingston Drain @ Robin Ave	E	2.00	6/17/08	15:30	EPA 110.2	Color	15	color units	=	3	3	13	RPD 14	RPD <25	None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 110.2	Color	17	color units	=	3	3				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 110.2	Color	17	color units	=	3	3				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 110.2	Color	14	color units	=	3	3				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 200.8	Copper	8.7	µg/L	=	0.1	0.5				None	DF=1

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Livingston Drain @ Robin Ave	MPM	1.00	5/7/08	12:20	EPA 200.8	Copper	6.9	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 200.8	Copper	7.1	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	MPM	1.00	6/3/08	12:30	EPA 200.8	Copper	9.2	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 200.8	Copper	45	µg/L	=	0.07	0.5				Field duplicate RPD above QC limit	DF=1
Livingston Drain @ Robin Ave	MPM	1.00	7/8/08	11:00	EPA 200.8	Copper	110	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 200.8	Copper	17	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 200.8	Copper	5.2	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	MPM	1.00	9/9/08	13:20	EPA 200.8	Copper	5.3	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 200.8	Copper	4.7	µg/L	=	0.07	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 160.1	Dissolved Solids	330	mg/L	=	4	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 160.1	Dissolved Solids	170	mg/L	=	4	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 160.1	Dissolved Solids	300	mg/L	=	4	10				None	DF=1
Livingston Drain @ Robin Ave	E	2.00	6/17/08	15:30	EPA 160.1	Dissolved Solids	299	mg/L	=	4	10	300	RPD 0.3	RPD <25	None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 160.1	Dissolved Solids	200	mg/L	=	4	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 160.1	Dissolved Solids	170	mg/L	=	4	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 160.1	Dissolved Solids	240	mg/L	=	4	10				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	SM 9223 B	E. coli	2	MPN/100 mL	=	1	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	SM 9223 B	E. coli	29	MPN/100 mL	=	1	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	SM 9223 B	E. coli	3.1	MPN/100 mL	=	1	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	SM 9223 B	E. coli	440	MPN/100 mL	=	1	1				None	DF=1

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Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	SM 9223 B	E. coli	4.1	MPN/100 mL	=	1	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	SM 9223 B	E. coli	1	MPN/100 mL	=	1	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 130.2	Hardness as CaCO3	210	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	MPM	1.00	5/7/08	12:20	EPA 130.2	Hardness as CaCO3	110	mg/L	=	3	5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 130.2	Hardness as CaCO3	170	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	MPM	1.00	6/3/08	12:30	EPA 130.2	Hardness as CaCO3	110	mg/L	=	3	5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 130.2	Hardness as CaCO3	150	mg/L	=	3	5				None	DF=1
Livingston Drain @ Robin Ave	MPM	1.00	7/8/08	11:00	EPA 130.2	Hardness as CaCO3	56	mg/L	=	3	5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 130.2	Hardness as CaCO3	200	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 130.2	Hardness as CaCO3	170	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	MPM	1.00	9/9/08	13:20	EPA 130.2	Hardness as CaCO3	86	mg/L	=	3	5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 130.2	Hardness as CaCO3	110	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 200.8	Lead	0.24	µg/L	DNQ	0.01	0.25				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 200.8	Lead	0.17	µg/L	DNQ	0.01	0.25				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 200.8	Lead	0.14	µg/L	DNQ	0.01	0.25				Field duplicate RPD above QC limit	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 200.8	Lead	1.8	µg/L	=	0.01	0.25				None	DF=1

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Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 200.8	Lead	0.41	µg/L	=	0.01	0.25				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 200.8	Lead	0.37	µg/L	=	0.01	0.25				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 200.8	Nickel	1.2	µg/L	=	0.01	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 200.8	Nickel	1.9	µg/L	=	0.02	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 200.8	Nickel	0.6	µg/L	=	0.02	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 200.8	Nickel	0.9	µg/L	=	0.02	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 300.0	Nitrate as N	5.5	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 300.0	Nitrate as N	4.9	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 300.0	Nitrate as N	11	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 300.0	Nitrate as N	6.2	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 300.0	Nitrate as N	6.1	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 300.0	Nitrate as N	8.5	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 354.1	Nitrite as N	0.068	mg/L	=	0.004	0.03				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 354.1	Nitrite as N	0.015	mg/L	DNQ	0.004	0.03				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 354.1	Nitrite as N	0.073	mg/L	=	0.004	0.03				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 354.1	Nitrite as N	0.013	mg/L	DNQ	0.002	0.03				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 354.1	Nitrite as N	0.021	mg/L	DNQ	0.002	0.03				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 354.1	Nitrite as N	0.019	mg/L	DNQ	0.002	0.03				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.53	mg/L	=	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.25	mg/L	=	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.42	mg/L	=	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.36	mg/L	=	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.41	mg/L	=	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.19	mg/L	=	0.06	0.1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 365.2	OrthoPhosphate as P	0.015	mg/L	=	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 365.2	OrthoPhosphate as P	0.015	mg/L	=	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 365.2	OrthoPhosphate as P	0.01	mg/L	=	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 365.2	Phosphate as P	0.12	mg/L	=	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 365.2	Phosphate as P	0.041	mg/L	=	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 365.2	Phosphate as P	0.048	mg/L	=	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 365.2	Phosphate as P	0.087	mg/L	=	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 365.2	Phosphate as P	0.048	mg/L	=	0.01	0.01				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 365.2	Phosphate as P	0.046	mg/L	=	0.01	0.01				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 200.8	Selenium	0.28	µg/L	DNQ	0.22	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 200.8	Selenium	1.1	µg/L	=	0.11	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 200.8	Selenium	0.96	µg/L	DNQ	0.11	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 200.8	Selenium	0.34	µg/L	DNQ	0.11	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 200.8	Selenium	0.53	µg/L	DNQ	0.11	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.3	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 415.1	Total Organic Carbon	2.2	mg/L	=	0.3	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 415.1	Total Organic Carbon	2.6	mg/L	=	0.1	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.1	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 415.1	Total Organic Carbon	2	mg/L	=	0.1	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 415.1	Total Organic Carbon	2.1	mg/L	=	0.1	0.5				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 180.1	Turbidity	1.1	NTU	=	0.03	0.05				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 180.1	Turbidity	3	NTU	=	0.02	0.05				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 180.1	Turbidity	2	NTU	=	0.02	0.05				None	DF=1
Livingston Drain @ Robin Ave	E	2.00	6/17/08	15:30	EPA 180.1	Turbidity	1.8	NTU	=	0.02	0.05	2	RPD 10	RPD <25	None	DF=1
Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 180.1	Turbidity	6	NTU	=	0.02	0.05				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 180.1	Turbidity	6.7	NTU	=	0.02	0.05				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 180.1	Turbidity	4.5	NTU	=	0.02	0.05				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	4/22/08	14:00	EPA 200.8	Zinc	3	µg/L	=	0.6	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	5/20/08	15:50	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	6/17/08	15:30	EPA 200.8	Zinc	4	µg/L	=	0.2	1				Field duplicate RPD above QC limit	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Livingston Drain @ Robin Ave	E	1.00	7/22/08	15:20	EPA 200.8	Zinc	15	µg/L	=	0.2	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	8/19/08	13:50	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Livingston Drain @ Robin Ave	E	1.00	9/23/08	15:20	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 350.2	Ammonia as N	0.066	mg/L	DNQ	0.04	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 200.8	Arsenic	0.8	µg/L	=	0.03	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 200.8	Arsenic	0.9	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 200.8	Arsenic	1	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 200.8	Arsenic	1.1	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 200.8	Arsenic	0.9	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 200.8	Arsenic	0.6	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 200.8	Boron	7	µg/L	DNQ	0.2	10				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 200.8	Boron	7	µg/L	DNQ	0.7	10				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 200.8	Boron	8	µg/L	DNQ	0.7	10				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 200.8	Boron	6	µg/L	DNQ	0.7	10				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 200.8	Boron	6	µg/L	DNQ	0.7	10				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 200.8	Boron	5	µg/L	DNQ	0.7	10				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 110.2	Color	20	color units	=	3	3				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 110.2	Color	17	color units	=	3	3				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 110.2	Color	18	color units	=	3	3				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 110.2	Color	20	color units	=	3	3				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 110.2	Color	22	color units	=	3	3				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 110.2	Color	15	color units	=	3	3				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 200.8	Copper	1.4	µg/L	=	0.1	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 200.8	Copper	0.8	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 200.8	Copper	1.1	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 200.8	Copper	0.8	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 200.8	Copper	1.2	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 200.8	Copper	0.7	µg/L	=	0.07	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 160.1	Dissolved Solids	35	mg/L	=	4	10				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 160.1	Dissolved Solids	29	mg/L	=	4	10				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 160.1	Dissolved Solids	43	mg/L	=	4	10				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 160.1	Dissolved Solids	30	mg/L	=	4	10				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 160.1	Dissolved Solids	19	mg/L	=	4	10				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 160.1	Dissolved Solids	46	mg/L	=	4	10				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	SM 9223 B	E. coli	34	MPN/100 mL	=	1	1				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	SM 9223 B	E. coli	38	MPN/100 mL	=	1	1				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	SM 9223 B	E. coli	25	MPN/100 mL	=	1	1				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	SM 9223 B	E. coli	30	MPN/100 mL	=	1	1				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	SM 9223 B	E. coli	18	MPN/100 mL	=	1	1				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	SM 9223 B	E. coli	19	MPN/100 mL	=	1	1				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 130.2	Hardness as CaCO3	220	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 130.2	Hardness as CaCO3	110	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 130.2	Hardness as CaCO3	52	mg/L	=	3	5				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 130.2	Hardness as CaCO3	28	mg/L	=	3	5				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 130.2	Hardness as CaCO3	26	mg/L	=	3	5				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 130.2	Hardness as CaCO3	14	mg/L	=	3	5				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 200.8	Lead	0.15	µg/L	DNQ	0.01	0.25				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 200.8	Lead	0.09	µg/L	DNQ	0.01	0.25				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 200.8	Lead	0.11	µg/L	DNQ	0.01	0.25				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 200.8	Lead	0.13	µg/L	DNQ	0.01	0.25				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 200.8	Lead	0.13	µg/L	DNQ	0.01	0.25				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 200.8	Lead	0.09	µg/L	DNQ	0.01	0.25				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 200.8	Nickel	0.6	µg/L	=	0.01	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 200.8	Nickel	0.4	µg/L	DNQ	0.02	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 200.8	Nickel	0.46	µg/L	DNQ	0.02	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 200.8	Nickel	0.2	µg/L	DNQ	0.02	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 200.8	Nickel	0.5	µg/L	=	0.02	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 200.8	Nickel	0.3	µg/L	DNQ	0.02	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 300.0	Nitrate as N	0.071	mg/L	=	0.01	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 300.0	Nitrate as N	0.054	mg/L	=	0.01	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 300.0	Nitrate as N	0.019	mg/L	DNQ	0.01	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 300.0	Nitrate as N	0.037	mg/L	DNQ	0.01	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 300.0	Nitrate as N	0.052	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 300.0	Nitrate as N	0.029	mg/L	DNQ	0.01	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 354.1	Nitrite as N	0.003	mg/L	DNQ	0.002	0.03				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.2	mg/L	=	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.12	mg/L	=	0.06	0.1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.23	mg/L	=	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.23	mg/L	=	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.33	mg/L	=	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.12	mg/L	=	0.06	0.1				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 365.2	OrthoPhosphate as P	0.018	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 365.2	OrthoPhosphate as P	0.018	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 365.2	OrthoPhosphate as P	0.023	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 365.2	OrthoPhosphate as P	0.025	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 365.2	OrthoPhosphate as P	0.013	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 365.2	Phosphate as P	0.043	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 365.2	Phosphate as P	0.028	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 365.2	Phosphate as P	0.044	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 365.2	Phosphate as P	0.062	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 365.2	Phosphate as P	0.052	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 365.2	Phosphate as P	0.046	mg/L	=	0.01	0.01				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 200.8	Selenium	<0.22	µg/L	ND	0.22	1				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 200.8	Selenium	0.77	µg/L	DNQ	0.11	1				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 200.8	Selenium	0.55	µg/L	DNQ	0.11	1				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 200.8	Selenium	0.12	µg/L	DNQ	0.11	1				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1				None	DF=1

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Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 415.1	Total Organic Carbon	3.2	mg/L	=	0.3	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 415.1	Total Organic Carbon	1.9	mg/L	=	0.3	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 415.1	Total Organic Carbon	2.1	mg/L	=	0.1	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.1	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 415.1	Total Organic Carbon	2.4	mg/L	=	0.1	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 415.1	Total Organic Carbon	2	mg/L	=	0.1	0.5				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 180.1	Turbidity	2.9	NTU	=	0.03	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 180.1	Turbidity	1.7	NTU	=	0.02	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 180.1	Turbidity	2.2	NTU	=	0.02	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 180.1	Turbidity	2.5	NTU	=	0.02	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 180.1	Turbidity	1.9	NTU	=	0.02	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 180.1	Turbidity	1.7	NTU	=	0.02	0.05				None	DF=1
Merced River @ Santa Fe	E	1.00	4/22/08	11:20	EPA 200.8	Zinc	2	µg/L	=	0.6	1				None	DF=1
Merced River @ Santa Fe	E	1.00	5/20/08	11:40	EPA 200.8	Zinc	1	µg/L	=	0.2	1				None	DF=1
Merced River @ Santa Fe	E	1.00	6/17/08	12:00	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Merced River @ Santa Fe	E	1.00	7/22/08	13:30	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Merced River @ Santa Fe	E	1.00	8/19/08	12:40	EPA 200.8	Zinc	1	µg/L	=	0.2	1				None	DF=1
Merced River @ Santa Fe	E	1.00	9/23/08	12:10	EPA 200.8	Zinc	1	µg/L	=	0.2	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 350.2	Ammonia as N	0.22	mg/L	=	0.04	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 350.2	Ammonia as N	0.21	mg/L	=	0.04	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 350.2	Ammonia as N	0.077	mg/L	DNQ	0.04	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 350.2	Ammonia as N	0.099	mg/L	DNQ	0.05	0.1				None	DF=1

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Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 350.2	Ammonia as N	0.12	mg/L	=	0.05	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 200.8	Arsenic	2.7	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 200.8	Arsenic	2.2	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 200.8	Arsenic	1.8	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 200.8	Arsenic	1.5	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 200.8	Arsenic	1.9	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 200.8	Arsenic	2.2	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 200.8	Boron	16	µg/L	=	0.7	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 200.8	Boron	18	µg/L	=	0.7	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 200.8	Boron	13	µg/L	=	0.7	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 200.8	Boron	12	µg/L	=	0.7	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 200.8	Boron	16	µg/L	=	0.7	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 200.8	Boron	19	µg/L	=	0.7	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 200.8	Cadmium	0.07	µg/L	DNQ	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 200.8	Cadmium	0.06	µg/L	DNQ	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 110.2	Color	60	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5

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Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 110.2	Color	34	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 110.2	Color	65	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 110.2	Color	65	color units	=	15	20				Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	DF=5
Miles Creek @ Reilly Rd	E	2.00	7/29/08	15:20	EPA 110.2	Color	75	color units	=	20	20	65	RPD 14	RPD <25	Analytes analyzed at a secondary dilution	DF=5
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 110.2	Color	150	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 110.2	Color	50	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 200.8	Copper	3.7	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	MPM	1.00	5/7/08	13:40	EPA 200.8	Copper	3	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 200.8	Copper	2.6	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	MPM	1.00	6/3/08	13:20	EPA 200.8	Copper	4.2	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 200.8	Copper	6.2	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 200.8	Copper	7.5	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	MPM	1.00	8/5/08	12:30	EPA 200.8	Copper	4.2	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 200.8	Copper	7.5	µg/L	=	0.07	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 200.8	Copper	4.1	µg/L	=	0.07	0.5				None	DF=1

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Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 160.1	Dissolved Solids	140	mg/L	=	4	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 160.1	Dissolved Solids	110	mg/L	=	4	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 160.1	Dissolved Solids	82	mg/L	=	4	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 160.1	Dissolved Solids	73	mg/L	=	4	10				None	DF=1
Miles Creek @ Reilly Rd	E	2.00	7/29/08	15:20	EPA 160.1	Dissolved Solids	76	mg/L	=	4	10	73	RPD 4	RPD <25	None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 160.1	Dissolved Solids	140	mg/L	=	4	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 160.1	Dissolved Solids	130	mg/L	=	4	10				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	SM 9223 B	E. coli	160	MPN/100 mL	=	1	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	SM 9223 B	E. coli	>2400	MPN/100 mL	=	1	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	SM 9223 B	E. coli	99	MPN/100 mL	=	1	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	SM 9223 B	E. coli	220	MPN/100 mL	=	1	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	SM 9223 B	E. coli	71	MPN/100 mL	=	1	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	SM 9223 B	E. coli	170	MPN/100 mL	=	1	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 130.2	Hardness as CaCO3	90	mg/L	=	3	5				None	DF=1
Miles Creek @ Reilly Rd	MPM	1.00	5/7/08	13:40	EPA 130.2	Hardness as CaCO3	88	mg/L	=	3	5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 130.2	Hardness as CaCO3	90	mg/L	=	3	5				None	DF=1
Miles Creek @ Reilly Rd	MPM	1.00	6/3/08	13:20	EPA 130.2	Hardness as CaCO3	78	mg/L	=	3	5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 130.2	Hardness as CaCO3	64	mg/L	=	3	5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 130.2	Hardness as CaCO3	44	mg/L	=	3	5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Miles Creek @ Reilly Rd	MPM	1.00	8/5/08	12:30	EPA 130.2	Hardness as CaCO3	60	mg/L	=	3	5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 130.2	Hardness as CaCO3	68	mg/L	=	3	5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 130.2	Hardness as CaCO3	54	mg/L	=	3	5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 200.8	Lead	0.77	µg/L	=	0.01	0.25				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 200.8	Lead	0.53	µg/L	=	0.01	0.25				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 200.8	Lead	1.5	µg/L	=	0.01	0.25				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 200.8	Lead	1.7	µg/L	=	0.01	0.25				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 200.8	Lead	2	µg/L	=	0.01	0.25				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 200.8	Lead	0.8	µg/L	=	0.01	0.25				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 200.8	Nickel	3.1	µg/L	=	0.02	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 200.8	Nickel	2.2	µg/L	=	0.02	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 200.8	Nickel	5.1	µg/L	=	0.02	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 200.8	Nickel	5.8	µg/L	=	0.02	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 200.8	Nickel	5.9	µg/L	=	0.02	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 200.8	Nickel	3.2	µg/L	=	0.02	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 300.0	Nitrate as N	0.97	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 300.0	Nitrate as N	0.54	mg/L	=	0.01	0.05				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 300.0	Nitrate as N	0.47	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 300.0	Nitrate as N	0.62	mg/L	=	0.01	0.05				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 300.0	Nitrate as N	1.3	mg/L	=	0.01	0.05				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 300.0	Nitrate as N	1	mg/L	=	0.01	0.05				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 354.1	Nitrite as N	0.059	mg/L	=	0.004	0.03				None	DF=1

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Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 354.1	Nitrite as N	0.019	mg/L	DNQ	0.004	0.03				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 354.1	Nitrite as N	0.022	mg/L	DNQ	0.004	0.03				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 354.1	Nitrite as N	0.021	mg/L	DNQ	0.002	0.03				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 354.1	Nitrite as N	0.029	mg/L	DNQ	0.002	0.03				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 354.1	Nitrite as N	0.025	mg/L	DNQ	0.002	0.03				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 351.3	Nitrogen, Total Kjeldahl	1.1	mg/L	=	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.64	mg/L	=	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.68	mg/L	=	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.93	mg/L	=	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 351.3	Nitrogen, Total Kjeldahl	1.1	mg/L	=	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.8	mg/L	=	0.06	0.1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 365.2	OrthoPhosphate as P	0.13	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 365.2	OrthoPhosphate as P	0.21	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 365.2	OrthoPhosphate as P	0.082	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 365.2	OrthoPhosphate as P	0.096	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 365.2	OrthoPhosphate as P	0.077	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 365.2	OrthoPhosphate as P	0.12	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 365.2	Phosphate as P	0.21	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 365.2	Phosphate as P	0.28	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 365.2	Phosphate as P	0.14	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 365.2	Phosphate as P	0.2	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 365.2	Phosphate as P	0.31	mg/L	=	0.01	0.01				None	DF=1

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Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 365.2	Phosphate as P	0.21	mg/L	=	0.01	0.01				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 200.8	Selenium	0.35	µg/L	DNQ	0.11	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 200.8	Selenium	0.82	µg/L	DNQ	0.11	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 200.8	Selenium	0.58	µg/L	DNQ	0.11	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 200.8	Selenium	0.33	µg/L	DNQ	0.11	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 200.8	Selenium	0.3	µg/L	DNQ	0.11	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 200.8	Selenium	0.3	µg/L	DNQ	0.11	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 415.1	Total Organic Carbon	3.6	mg/L	=	0.3	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 415.1	Total Organic Carbon	2.8	mg/L	=	0.3	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 415.1	Total Organic Carbon	3.2	mg/L	=	0.1	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 415.1	Total Organic Carbon	4.2	mg/L	=	0.1	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.1	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.1	0.5				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 180.1	Turbidity	24	NTU	=	0.06	0.1				Analytes analyzed at a secondary dilution	DF=2
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 180.1	Turbidity	12	NTU	=	0.02	0.05				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 180.1	Turbidity	24	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 180.1	Turbidity	47	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	DF=5

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Miles Creek @ Reilly Rd	E	2.00	7/29/08	15:20	EPA 180.1	Turbidity	47	NTU	=	0.1	0.2	47	RPD 0.3	RPD <25	Analytes analyzed at a secondary dilution	DF=5
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 180.1	Turbidity	80	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 180.1	Turbidity	24	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Miles Creek @ Reilly Rd	E	1.00	4/29/08	14:40	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	5/27/08	14:20	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	6/24/08	14:10	EPA 200.8	Zinc	11	µg/L	=	0.2	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	7/29/08	15:20	EPA 200.8	Zinc	13	µg/L	=	0.2	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	8/26/08	13:00	EPA 200.8	Zinc	14	µg/L	=	0.2	1				None	DF=1
Miles Creek @ Reilly Rd	E	1.00	9/30/08	13:50	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 350.2	Ammonia as N	0.4	mg/L	=	0.04	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 350.2	Ammonia as N	0.24	mg/L	=	0.04	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 350.2	Ammonia as N	2.1	mg/L	=	0.04	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 350.2	Ammonia as N	1.1	mg/L	=	0.05	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 350.2	Ammonia as N	0.24	mg/L	=	0.05	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 200.8	Arsenic	8.4	µg/L	=	0.03	0.5				None	DF=1

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Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 200.8	Arsenic	9.3	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 200.8	Arsenic	6.9	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 200.8	Arsenic	4.6	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 200.8	Arsenic	4.4	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 200.8	Arsenic	10	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 200.8	Boron	390	µg/L	=	0.4	10				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 200.8	Boron	330	µg/L	=	1.4	10				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 200.8	Boron	290	µg/L	=	1.4	10				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 200.8	Boron	160	µg/L	=	0.7	10				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 200.8	Boron	170	µg/L	=	0.7	10				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 200.8	Boron	360	µg/L	=	2.8	10				Analytes analyzed at a secondary dilution	DF=4
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1

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Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 200.8	Cadmium	0.06	µg/L	DNQ	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 110.2	Color	70	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 110.2	Color	66	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 110.2	Color	120	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 110.2	Color	100	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 110.2	Color	56	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 110.2	Color	39	color units	=	3	3				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 200.8	Copper	11	µg/L	=	0.1	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 200.8	Copper	9	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 200.8	Copper	9.6	µg/L	=	0.07	0.5				None	DF=1

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Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 200.8	Copper	7.1	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 200.8	Copper	4.4	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 200.8	Copper	8.3	µg/L	=	0.07	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 160.1	Dissolved Solids	1700	mg/L	=	4	10				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 160.1	Dissolved Solids	1600	mg/L	=	4	10				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 160.1	Dissolved Solids	1200	mg/L	=	4	10				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 160.1	Dissolved Solids	620	mg/L	=	4	10				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 160.1	Dissolved Solids	610	mg/L	=	4	10				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 160.1	Dissolved Solids	1800	mg/L	=	4	10				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	SM 9223 B	E. coli	370	MPN/100 mL	=	1	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	SM 9223 B	E. coli	610	MPN/100 mL	=	1	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	SM 9223 B	E. coli	1300	MPN/100 mL	=	1	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	SM 9223 B	E. coli	250	MPN/100 mL	=	1	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	SM 9223 B	E. coli	440	MPN/100 mL	=	1	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	SM 9223 B	E. coli	80	MPN/100 mL	=	1	1				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 130.2	Hardness as CaCO3	580	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 130.2	Hardness as CaCO3	580	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 130.2	Hardness as CaCO3	470	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 130.2	Hardness as CaCO3	270	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 130.2	Hardness as CaCO3	200	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 130.2	Hardness as CaCO3	560	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 200.8	Lead	0.32	µg/L	=	0.01	0.25				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 200.8	Lead	0.32	µg/L	=	0.01	0.25				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 200.8	Lead	0.67	µg/L	=	0.01	0.25				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 200.8	Lead	0.23	µg/L	DNQ	0.01	0.25				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 200.8	Lead	0.13	µg/L	DNQ	0.01	0.25				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 200.8	Lead	0.28	µg/L	=	0.01	0.25				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 200.8	Nickel	7.9	µg/L	=	0.01	0.5				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 200.8	Nickel	6.3	µg/L	=	0.02	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 200.8	Nickel	6.8	µg/L	=	0.02	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 200.8	Nickel	4.5	µg/L	=	0.02	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 200.8	Nickel	2.8	µg/L	=	0.02	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 200.8	Nickel	7.3	µg/L	=	0.02	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 300.0	Nitrate as N	23	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 300.0	Nitrate as N	26	mg/L	=	0.25	1				Analytes analyzed at a secondary dilution	DF=25
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 300.0	Nitrate as N	19	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 300.0	Nitrate as N	11	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 300.0	Nitrate as N	13	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 300.0	Nitrate as N	33	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 354.1	Nitrite as N	0.36	mg/L	=	0.004	0.03				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 354.1	Nitrite as N	0.32	mg/L	=	0.004	0.03				None	DF=1

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Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 354.1	Nitrite as N	0.47	mg/L	=	0.02	0.2				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 354.1	Nitrite as N	0.48	mg/L	=	0.002	0.03				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 354.1	Nitrite as N	0.14	mg/L	=	0.002	0.03				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 354.1	Nitrite as N	0.19	mg/L	=	0.002	0.03				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 351.3	Nitrogen, Total Kjeldahl	2.4	mg/L	=	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	2.2	mg/L	=	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.8	mg/L	=	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 351.3	Nitrogen, Total Kjeldahl	3.2	mg/L	=	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 351.3	Nitrogen, Total Kjeldahl	1.2	mg/L	=	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	2.3	mg/L	=	0.06	0.1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 365.2	OrthoPhosphate as P	1.3	mg/L	=	0.02	0.02				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 365.2	OrthoPhosphate as P	1.7	mg/L	=	0.05	0.05				Analytes analyzed at a secondary dilution	DF=5
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 365.2	OrthoPhosphate as P	0.81	mg/L	=	0.01	0.01				None	DF=1

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Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 365.2	OrthoPhosphate as P	1.2	mg/L	=	0.02	0.02				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 365.2	OrthoPhosphate as P	0.68	mg/L	=	0.01	0.01				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 365.2	OrthoPhosphate as P	1.1	mg/L	=	0.01	0.01				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 365.2	Phosphate as P	1.4	mg/L	=	0.01	0.01				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 365.2	Phosphate as P	1.6	mg/L	=	0.01	0.01				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 365.2	Phosphate as P	1	mg/L	=	0.01	0.01				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 365.2	Phosphate as P	1.3	mg/L	=	0.01	0.01				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 365.2	Phosphate as P	0.73	mg/L	=	0.01	0.01				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 365.2	Phosphate as P	1.4	mg/L	=	0.01	0.01				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 200.8	Selenium	1.1	µg/L	=	0.22	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 200.8	Selenium	1.8	µg/L	=	0.11	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 200.8	Selenium	1.4	µg/L	=	0.11	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 200.8	Selenium	0.18	µg/L	DNQ	0.11	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 200.8	Selenium	0.22	µg/L	DNQ	0.11	1				None	DF=1

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Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 200.8	Selenium	1	µg/L	=	0.11	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 415.1	Total Organic Carbon	17	mg/L	=	0.3	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 415.1	Total Organic Carbon	16	mg/L	=	0.3	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 415.1	Total Organic Carbon	19	mg/L	=	0.1	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 415.1	Total Organic Carbon	19	mg/L	=	0.1	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 415.1	Total Organic Carbon	9.3	mg/L	=	0.1	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 415.1	Total Organic Carbon	16	mg/L	=	0.1	0.5				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 180.1	Turbidity	2.8	NTU	=	0.03	0.05				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 180.1	Turbidity	2.7	NTU	=	0.02	0.05				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 180.1	Turbidity	12	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 180.1	Turbidity	4.7	NTU	=	0.02	0.05				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 180.1	Turbidity	4.6	NTU	=	0.02	0.05				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 180.1	Turbidity	5	NTU	=	0.02	0.05				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	4/22/08	11:50	EPA 200.8	Zinc	7	µg/L	=	0.6	1				None	DF=1

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Prairie Flower Drain @ Crows Landing Rd	E	1.00	5/20/08	12:00	EPA 200.8	Zinc	10	µg/L	=	0.2	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	6/17/08	11:30	EPA 200.8	Zinc	15	µg/L	=	0.2	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	7/22/08	10:40	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	8/19/08	11:20	EPA 200.8	Zinc	4	µg/L	=	0.2	1				None	DF=1
Prairie Flower Drain @ Crows Landing Rd	E	1.00	9/23/08	11:00	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
Prairie Flower Drain at Morgan Road	MPM	1.00	4/22/08	12:50	EPA 300.0	Nitrate as N	35	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Prairie Flower Drain at Morgan Road	MPM	1.00	5/20/08	13:00	EPA 300.0	Nitrate as N	22	mg/L	=	0.25	1				Analytes analyzed at a secondary dilution	DF=25
Prairie Flower Drain at Morgan Road	MPM	1.00	6/17/08	12:30	EPA 300.0	Nitrate as N	30	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Prairie Flower Drain at Morgan Road	MPM	1.00	7/22/08	11:30	EPA 300.0	Nitrate as N	0.053	mg/L	DNQ	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Prairie Flower Drain at Morgan Road	MPM	1.00	8/19/08	12:10	EPA 300.0	Nitrate as N	20	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10, Batch run overnight.
Prairie Flower Drain at Morgan Road	MPM	1.00	9/23/08	11:50	EPA 300.0	Nitrate as N	29	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Reclamation Drain @ Williams Ave	MPM	1.00	7/22/08	13:10	EPA 350.2	Ammonia as N	0.2	mg/L	=	0.05	0.1				None	DF=1
Reclamation Drain @ Williams Ave	MPM	1.00	7/22/08	13:10	EPA 200.8	Copper	10	µg/L	=	0.07	0.5				None	DF=1

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Reclamation Drain @ Williams Ave	MPM	1.00	7/22/08	13:10	EPA 130.2	Hardness as CaCO3	430	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Reclamation Drain @ Williams Ave	MPM	1.00	7/22/08	13:10	EPA 300.0	Nitrate as N	2.6	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 350.2	Ammonia as N	4.1	mg/L	=	0.04	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 350.2	Ammonia as N	0.33	mg/L	=	0.04	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 350.2	Ammonia as N	13	mg/L	=	0.04	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 350.2	Ammonia as N	0.27	mg/L	=	0.05	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 350.2	Ammonia as N	1.3	mg/L	=	0.05	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 350.2	Ammonia as N	3	mg/L	=	0.05	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 200.8	Arsenic	2.4	µg/L	=	0.03	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 200.8	Arsenic	1.8	µg/L	=	0.07	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 200.8	Arsenic	2.5	µg/L	=	0.07	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 200.8	Arsenic	1.5	µg/L	=	0.07	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 200.8	Arsenic	1.8	µg/L	=	0.07	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 200.8	Arsenic	1.7	µg/L	=	0.07	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 200.8	Boron	45	µg/L	=	0.2	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 200.8	Boron	11	µg/L	=	0.7	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 200.8	Boron	44	µg/L	=	0.7	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 200.8	Boron	12	µg/L	=	0.7	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 200.8	Boron	10	µg/L	DNQ	0.7	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 200.8	Boron	17	µg/L	=	0.7	10				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 200.8	Cadmium	0.04	µg/L	DNQ	0.02	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 200.8	Cadmium	0.1	µg/L	=	0.06	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 200.8	Cadmium	0.08	µg/L	DNQ	0.06	0.1				Field duplicate RPD above QC limit	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 200.8	Cadmium	0.2	µg/L	=	0.06	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 110.2	Color	70	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 110.2	Color	56	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 110.2	Color	200	color units	=	30	30				Analytes analyzed at a secondary dilution	DF=10
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 110.2	Color	260	color units	=	60	60				Analytes analyzed at a secondary dilution	DF=20
Silva Drain @ Meadow Dr	E	2.00	7/22/08	11:00	EPA 110.2	Color	300	color units	=	60	60	260	RPD 14	RPD <25	Analytes analyzed at a secondary dilution	DF=20
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 110.2	Color	160	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 110.2	Color	140	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 200.8	Copper	17	µg/L	=	0.1	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 200.8	Copper	5.6	µg/L	=	0.07	0.5				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 200.8	Copper	68	µg/L	=	0.07	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 200.8	Copper	12	µg/L	=	0.07	0.5				Field duplicate RPD above QC limit	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 200.8	Copper	20	µg/L	=	0.07	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 200.8	Copper	15	µg/L	=	0.07	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 160.1	Dissolved Solids	270	mg/L	=	4	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 160.1	Dissolved Solids	52	mg/L	=	4	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 160.1	Dissolved Solids	350	mg/L	=	4	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 160.1	Dissolved Solids	98	mg/L	=	4	10				None	DF=1
Silva Drain @ Meadow Dr	E	2.00	7/22/08	11:00	EPA 160.1	Dissolved Solids	110	mg/L	=	4	10	98	RPD 12	RPD <25	None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 160.1	Dissolved Solids	44	mg/L	=	4	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 160.1	Dissolved Solids	100	mg/L	=	4	10				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	SM 9223 B	E. coli	32	MPN/100 mL	=	1	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	SM 9223 B	E. coli	17	MPN/100 mL	=	1	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	SM 9223 B	E. coli	>2400	MPN/100 mL	=	1	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	SM 9223 B	E. coli	410	MPN/100 mL	=	1	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	SM 9223 B	E. coli	1400	MPN/100 mL	=	1	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	SM 9223 B	E. coli	310	MPN/100 mL	=	1	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 130.2	Hardness as CaCO3	230	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5

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Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 130.2	Hardness as CaCO3	180	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 130.2	Hardness as CaCO3	340	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 130.2	Hardness as CaCO3	160	mg/L	=	15	20				Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	DF=5
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 130.2	Hardness as CaCO3	70	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 130.2	Hardness as CaCO3	42	mg/L	=	3	5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 200.8	Lead	0.07	µg/L	DNQ	0.01	0.25				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 200.8	Lead	0.41	µg/L	=	0.01	0.25				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 200.8	Lead	1.6	µg/L	=	0.01	0.25				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 200.8	Lead	1.7	µg/L	=	0.01	0.25				Field duplicate RPD above QC limit	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 200.8	Lead	3	µg/L	=	0.01	0.25				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 200.8	Lead	0.72	µg/L	=	0.01	0.25				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 200.8	Nickel	2.9	µg/L	=	0.01	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 200.8	Nickel	1.8	µg/L	=	0.02	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 200.8	Nickel	8.1	µg/L	=	0.02	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 200.8	Nickel	5.6	µg/L	=	0.02	0.5				Field duplicate RPD above QC limit	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 200.8	Nickel	8.7	µg/L	=	0.02	0.5				None	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 200.8	Nickel	3.3	µg/L	=	0.02	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 300.0	Nitrate as N	5.1	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 300.0	Nitrate as N	0.04	mg/L	DNQ	0.01	0.05				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 300.0	Nitrate as N	4.2	mg/L	=	0.02	0.1				Analytes analyzed at a secondary dilution	DF=2
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 300.0	Nitrate as N	0.96	mg/L	=	0.01	0.05				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 300.0	Nitrate as N	0.31	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 300.0	Nitrate as N	0.54	mg/L	=	0.01	0.05				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 354.1	Nitrite as N	0.41	mg/L	=	0.004	0.03				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 354.1	Nitrite as N	0.022	mg/L	DNQ	0.004	0.03				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 354.1	Nitrite as N	0.28	mg/L	=	0.004	0.03				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 354.1	Nitrite as N	0.032	mg/L	=	0.002	0.03				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 354.1	Nitrite as N	0.12	mg/L	=	0.002	0.03				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 354.1	Nitrite as N	0.17	mg/L	=	0.002	0.03				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.7	mg/L	=	0.06	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.87	mg/L	=	0.06	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 351.3	Nitrogen, Total Kjeldahl	18	mg/L	=	0.06	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	1.6	mg/L	=	0.06	0.1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 351.3	Nitrogen, Total Kjeldahl	3.5	mg/L	=	0.3	0.5				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 351.3	Nitrogen, Total Kjeldahl	6	mg/L	=	0.06	0.1				None	DF=1

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Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 365.2	OrthoPhosphate as P	2.7	mg/L	=	0.05	0.05				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 365.2	OrthoPhosphate as P	0.44	mg/L	=	0.01	0.01				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 365.2	OrthoPhosphate as P	1.1	mg/L	=	0.02	0.02				Analytes analyzed at a secondary dilution	DF=2
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 365.2	OrthoPhosphate as P	0.27	mg/L	=	0.01	0.01				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 365.2	OrthoPhosphate as P	0.2	mg/L	=	0.01	0.01				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 365.2	OrthoPhosphate as P	0.16	mg/L	=	0.01	0.01				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 365.2	Phosphate as P	2.3	mg/L	=	0.02	0.02				Analytes analyzed at a secondary dilution	DF=2
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 365.2	Phosphate as P	0.48	mg/L	=	0.01	0.01				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 365.2	Phosphate as P	3.3	mg/L	=	0.05	0.05				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 365.2	Phosphate as P	0.54	mg/L	=	0.01	0.01				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 365.2	Phosphate as P	0.61	mg/L	=	0.01	0.01				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 365.2	Phosphate as P	0.87	mg/L	=	0.01	0.01				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 200.8	Selenium	1.5	µg/L	=	0.22	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 200.8	Selenium	0.85	µg/L	DNQ	0.11	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 200.8	Selenium	1.9	µg/L	=	0.11	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 200.8	Selenium	0.27	µg/L	DNQ	0.11	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 200.8	Selenium	0.42	µg/L	DNQ	0.11	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 200.8	Selenium	0.18	µg/L	DNQ	0.11	1				None	DF=1

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Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 415.1	Total Organic Carbon	14	mg/L	=	0.3	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 415.1	Total Organic Carbon	4.1	mg/L	=	0.3	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 415.1	Total Organic Carbon	23	mg/L	=	0.1	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 415.1	Total Organic Carbon	4.5	mg/L	=	0.1	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 415.1	Total Organic Carbon	4.3	mg/L	=	0.1	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 415.1	Total Organic Carbon	7.1	mg/L	=	0.1	0.5				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 180.1	Turbidity	2.5	NTU	=	0.03	0.05				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 180.1	Turbidity	9.3	NTU	=	0.02	0.05				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 180.1	Turbidity	24	NTU	=	0.2	0.5				Analytes analyzed at a secondary dilution	DF=10
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 180.1	Turbidity	100	NTU	=	0.2	0.5				Analytes analyzed at a secondary dilution	DF=10
Silva Drain @ Meadow Dr	E	2.00	7/22/08	11:00	EPA 180.1	Turbidity	103	NTU	=	0.2	0.5	100	RPD 2	RPD <25	Analytes analyzed at a secondary dilution	DF=10
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 180.1	Turbidity	88	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 180.1	Turbidity	37	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
Silva Drain @ Meadow Dr	E	1.00	4/22/08	10:30	EPA 200.8	Zinc	4	µg/L	=	0.6	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	5/20/08	11:00	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	6/17/08	10:50	EPA 200.8	Zinc	27	µg/L	=	0.2	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	7/22/08	11:00	EPA 200.8	Zinc	20	µg/L	=	0.2	1				Field duplicate RPD above QC limit	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	E	1.00	8/19/08	11:30	EPA 200.8	Zinc	30	µg/L	=	0.2	1				None	DF=1
Silva Drain @ Meadow Dr	E	1.00	9/23/08	11:20	EPA 200.8	Zinc	11	µg/L	=	0.2	1				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 350.2	Ammonia as N	0.055	mg/L	DNQ	0.04	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 200.8	Arsenic	1.7	µg/L	=	0.07	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 200.8	Arsenic	0.8	µg/L	=	0.07	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 200.8	Arsenic	0.8	µg/L	=	0.07	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 200.8	Boron	15	µg/L	=	0.7	10				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 200.8	Boron	8	µg/L	DNQ	0.7	10				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 200.8	Boron	7	µg/L	DNQ	0.7	10				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 110.2	Color	38	color units	=	3	3				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 110.2	Color	30	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 110.2	Color	45	color units	=	15	20				Analytes analyzed at a secondary dilution	DF=5
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 200.8	Copper	3.7	µg/L	=	0.07	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 200.8	Copper	4	µg/L	=	0.07	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 200.8	Copper	3.5	µg/L	=	0.07	0.5				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 160.1	Dissolved Solids	130	mg/L	=	4	10				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 160.1	Dissolved Solids	28	mg/L	=	4	10				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 160.1	Dissolved Solids	40	mg/L	=	4	10				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	SM 9223 B	E. coli	520	MPN/100 mL	=	1	1				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	SM 9223 B	E. coli	110	MPN/100 mL	=	1	1				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	SM 9223 B	E. coli	54	MPN/100 mL	=	1	1				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 130.2	Hardness as CaCO3	84	mg/L	=	3	5				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 130.2	Hardness as CaCO3	34	mg/L	=	3	5				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 130.2	Hardness as CaCO3	44	mg/L	=	3	5				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 200.8	Lead	0.63	µg/L	=	0.01	0.25				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 200.8	Lead	0.85	µg/L	=	0.01	0.25				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 200.8	Lead	0.85	µg/L	=	0.01	0.25				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 200.8	Nickel	2.4	µg/L	=	0.02	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 200.8	Nickel	2.2	µg/L	=	0.02	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 200.8	Nickel	2.1	µg/L	=	0.02	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	DF=1, Batch run overnight.
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 300.0	Nitrate as N	0.077	mg/L	=	0.01	0.05				None	DF=1, Batch run overnight.
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 300.0	Nitrate as N	0.046	mg/L	DNQ	0.01	0.05				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 354.1	Nitrite as N	0.01	mg/L	DNQ	0.004	0.03				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 354.1	Nitrite as N	0.005	mg/L	DNQ	0.002	0.03				None	DF=1

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South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.71	mg/L	=	0.06	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.29	mg/L	=	0.06	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.24	mg/L	=	0.06	0.1				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 365.2	OrthoPhosphate as P	0.039	mg/L	=	0.01	0.01				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 365.2	OrthoPhosphate as P	0.01	mg/L	=	0.01	0.01				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 365.2	OrthoPhosphate as P	0.013	mg/L	=	0.01	0.01				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 365.2	Phosphate as P	0.11	mg/L	=	0.01	0.01				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 365.2	Phosphate as P	0.085	mg/L	=	0.01	0.01				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 365.2	Phosphate as P	0.084	mg/L	=	0.01	0.01				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 200.8	Selenium	0.3	µg/L	DNQ	0.11	1				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 200.8	Selenium	0.58	µg/L	DNQ	0.11	1				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 200.8	Selenium	0.19	µg/L	DNQ	0.11	1				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 415.1	Total Organic Carbon	6.3	mg/L	=	0.3	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 415.1	Total Organic Carbon	2.1	mg/L	=	0.1	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 415.1	Total Organic Carbon	2.5	mg/L	=	0.1	0.5				None	DF=1
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 180.1	Turbidity	3.5	NTU	=	0.03	0.05				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 180.1	Turbidity	18	NTU	=	0.04	0.1				Analytes analyzed at a secondary dilution	DF=2
South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 180.1	Turbidity	24	NTU	=	0.1	0.2				Analytes analyzed at a secondary dilution	DF=5
South Slough @ Quinley Rd	E	1.00	4/29/08	11:20	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
South Slough @ Quinley Rd	E	1.00	6/24/08	9:20	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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South Slough @ Quinley Rd	E	1.00	7/29/08	10:10	EPA 200.8	Zinc	6	µg/L	=	0.2	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 350.2	Ammonia as N	0.25	mg/L	=	0.04	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 350.2	Ammonia as N	0.19	mg/L	=	0.04	0.1				Field duplicate RPD above QC limit	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 350.2	Ammonia as N	0.066	mg/L	DNQ	0.04	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 200.8	Arsenic	6.8	µg/L	=	0.03	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 200.8	Arsenic	6.9	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 200.8	Arsenic	6.7	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 200.8	Arsenic	6.8	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 200.8	Arsenic	7	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 200.8	Arsenic	6.9	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 200.8	Boron	140	µg/L	=	0.2	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 200.8	Boron	130	µg/L	=	0.7	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 200.8	Boron	140	µg/L	=	0.7	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 200.8	Boron	130	µg/L	=	0.7	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 200.8	Boron	160	µg/L	=	0.7	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 200.8	Boron	150	µg/L	=	0.7	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 110.2	Color	17	color units	=	3	3				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 110.2	Color	28	color units	=	3	3				Field duplicate RPD above QC limit	DF=1
Westport Drain @ Vivian Rd	E	2.00	5/20/08	8:50	EPA 110.2	Color	28	color units	=	3	3	28	RPD 0	RPD <25	None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 110.2	Color	36	color units	=	6	6				Analytes analyzed at a secondary dilution	DF=2
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 110.2	Color	27	color units	=	3	3				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 110.2	Color	20	color units	=	3	3				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 110.2	Color	15	color units	=	3	3				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 200.8	Copper	2.7	µg/L	=	0.1	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 200.8	Copper	2.5	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 200.8	Copper	3.2	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 200.8	Copper	2.6	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 200.8	Copper	2.3	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 200.8	Copper	3.8	µg/L	=	0.07	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 160.1	Dissolved Solids	750	mg/L	=	4	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 160.1	Dissolved Solids	720	mg/L	=	4	10				None	DF=1
Westport Drain @ Vivian Rd	E	2.00	5/20/08	8:50	EPA 160.1	Dissolved Solids	746	mg/L	=	4	10	720	RPD 4.1	RPD <25	None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 160.1	Dissolved Solids	750	mg/L	=	4	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 160.1	Dissolved Solids	760	mg/L	=	4	10				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 160.1	Dissolved Solids	760	mg/L	=	4	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 160.1	Dissolved Solids	750	mg/L	=	4	10				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	SM 9223 B	E. coli	1000	MPN/100 mL	=	1	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	SM 9223 B	E. coli	130	MPN/100 mL	=	1	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	SM 9223 B	E. coli	260	MPN/100 mL	=	1	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	SM 9223 B	E. coli	1000	MPN/100 mL	=	1	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	SM 9223 B	E. coli	290	MPN/100 mL	=	1	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	SM 9223 B	E. coli	150	MPN/100 mL	=	1	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 130.2	Hardness as CaCO3	380	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 130.2	Hardness as CaCO3	440	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 130.2	Hardness as CaCO3	380	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 130.2	Hardness as CaCO3	520	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 130.2	Hardness as CaCO3	360	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

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Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 130.2	Hardness as CaCO3	380	mg/L	=	15	20				Analytes analyzed at a secondary dilution	DF=5
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 200.8	Lead	0.26	µg/L	=	0.01	0.25				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 200.8	Lead	0.31	µg/L	=	0.01	0.25				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 200.8	Lead	0.47	µg/L	=	0.01	0.25				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 200.8	Lead	0.18	µg/L	DNQ	0.01	0.25				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 200.8	Lead	0.1	µg/L	DNQ	0.01	0.25				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 200.8	Lead	0.46	µg/L	=	0.01	0.25				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 200.8	Nickel	3.2	µg/L	=	0.01	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 200.8	Nickel	2.3	µg/L	=	0.02	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 200.8	Nickel	2.7	µg/L	=	0.02	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 200.8	Nickel	3.9	µg/L	=	0.02	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 200.8	Nickel	2.1	µg/L	=	0.02	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 200.8	Nickel	3.4	µg/L	=	0.02	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 300.0	Nitrate as N	23	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 300.0	Nitrate as N	23	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 300.0	Nitrate as N	25	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 300.0	Nitrate as N	25	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 300.0	Nitrate as N	25	mg/L	=	0.1	0.5				Analytes analyzed at a secondary dilution	DF=10
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 300.0	Nitrate as N	27	mg/L	=	0.05	0.2				Analytes analyzed at a secondary dilution	DF=5
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 354.1	Nitrite as N	0.45	mg/L	=	0.004	0.03				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 354.1	Nitrite as N	0.42	mg/L	=	0.004	0.03				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 354.1	Nitrite as N	0.45	mg/L	=	0.004	0.03				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 354.1	Nitrite as N	0.34	mg/L	=	0.002	0.03				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 354.1	Nitrite as N	0.41	mg/L	=	0.002	0.03				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 354.1	Nitrite as N	0.33	mg/L	=	0.002	0.03				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.94	mg/L	=	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.91	mg/L	=	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.9	mg/L	=	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.65	mg/L	=	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.71	mg/L	=	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.68	mg/L	=	0.06	0.1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 365.2	OrthoPhosphate as P	0.36	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 365.2	OrthoPhosphate as P	0.34	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 365.2	OrthoPhosphate as P	0.32	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 365.2	OrthoPhosphate as P	0.38	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 365.2	OrthoPhosphate as P	0.38	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 365.2	OrthoPhosphate as P	0.37	mg/L	=	0.01	0.01				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 365.2	Phosphate as P	0.49	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 365.2	Phosphate as P	0.47	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 365.2	Phosphate as P	0.45	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 365.2	Phosphate as P	0.44	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 365.2	Phosphate as P	0.45	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 365.2	Phosphate as P	0.5	mg/L	=	0.01	0.01				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 200.8	Selenium	0.24	µg/L	DNQ	0.22	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 200.8	Selenium	1.2	µg/L	=	0.11	1				Field duplicate RPD above QC limit	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 200.8	Selenium	0.99	µg/L	DNQ	0.11	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 200.8	Selenium	0.13	µg/L	DNQ	0.11	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 200.8	Selenium	0.26	µg/L	DNQ	0.11	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 200.8	Selenium	0.33	µg/L	DNQ	0.11	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 415.1	Total Organic Carbon	7.1	mg/L	=	0.3	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 415.1	Total Organic Carbon	5.5	mg/L	=	0.3	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 415.1	Total Organic Carbon	5.2	mg/L	=	0.1	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 415.1	Total Organic Carbon	4.9	mg/L	=	0.1	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 415.1	Total Organic Carbon	4.6	mg/L	=	0.1	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 415.1	Total Organic Carbon	4.7	mg/L	=	0.1	0.5				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 180.1	Turbidity	2.6	NTU	=	0.03	0.05				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 180.1	Turbidity	3.2	NTU	=	0.02	0.05				None	DF=1
Westport Drain @ Vivian Rd	E	2.00	5/20/08	8:50	EPA 180.1	Turbidity	3.63	NTU	=	0.02	0.05	3.2	RPD 11	RPD <25	None	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 180.1	Turbidity	7.7	NTU	=	0.02	0.05				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 180.1	Turbidity	3.1	NTU	=	0.02	0.05				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 180.1	Turbidity	2.5	NTU	=	0.02	0.05				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 180.1	Turbidity	1.5	NTU	=	0.02	0.05				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	4/22/08	8:20	EPA 200.8	Zinc	3	µg/L	=	0.6	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	5/20/08	8:50	EPA 200.8	Zinc	5	µg/L	=	0.2	1				Field duplicate RPD above QC limit	DF=1
Westport Drain @ Vivian Rd	E	1.00	6/17/08	8:50	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	7/22/08	9:00	EPA 200.8	Zinc	3	µg/L	=	0.2	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	8/19/08	9:40	EPA 200.8	Zinc	2	µg/L	=	0.2	1				None	DF=1
Westport Drain @ Vivian Rd	E	1.00	9/23/08	9:20	EPA 200.8	Zinc	5	µg/L	=	0.2	1				None	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

**Table I - 4. ESJWQC water toxicity testing results.**

Results for *Ceriodaphnia dubia*, *Pimephales promelas* and *Selenastrum capricornutum* samples collected during the 2008 irrigation season. Re-samples (RS) were collected within 72 hrs of being notified that the original sample was toxic. Toxicity tests are initiated within 36 hours of sampling. Data are sorted by station name, species and sample date.

Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Bear Creek @ Kibby Rd	E	04/29/08	16:20	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	MPM	05/07/08	14:40	water	05/08/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	05/27/08	16:40	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	06/24/08	16:50	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	MPM	07/08/08	13:40	water	07/09/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Bear Creek @ Kibby Rd	E	07/29/08	18:00	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	08/26/08	16:00	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	09/30/08	13:30	water	10/01/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	04/29/08	16:20	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	05/27/08	16:40	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	06/24/08	16:50	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
Bear Creek @ Kibby Rd	E	07/29/08	18:00	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	08/26/08	16:00	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Bear Creek @ Kibby Rd	E	09/30/08	13:30	water	10/01/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Bear Creek @ Kibby Rd	E	04/29/08	16:20	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1093949	42100	4	SL	TIE initiated on 5/13/08 and no toxicity was detected; Resampled on 5/7/08; toxicity was persistent.

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Bear Creek @ Kibby Rd	RS	05/07/08	14:40	water	05/08/08	<i>Selenastrum capricornutum</i>	Total Cell Count	3507016	735734	21	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent.
Bear Creek @ Kibby Rd	E	05/27/08	16:40	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2191390	5929852	271	NSG	
Bear Creek @ Kibby Rd	E	06/24/08	16:50	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	611987	2158825	353	NSG	
Bear Creek @ Kibby Rd	E	07/29/08	18:00	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	703169	1777814	253	NSG	
Bear Creek @ Kibby Rd	E	08/26/08	16:00	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	625013	2109977	338	NSG	
Bear Creek @ Kibby Rd	E	09/30/08	13:30	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	423110	1071154	253	NSG	
Berenda Slough @ Rd 19	MPM	07/29/08	13:40	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	712939	2018795	283	NSG	
Black Rascal Creek @ Yosemite Rd	E	04/29/08	17:20	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	MPM	05/07/08	15:30	water	05/08/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	05/27/08	15:40	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	06/24/08	15:30	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	MPM	07/08/08	13:10	water	07/09/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	07/29/08	18:40	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	MPM	08/05/08	13:20	water	08/06/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	08/26/08	16:30	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	09/30/08	14:20	water	10/01/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	04/29/08	17:20	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	05/27/08	15:40	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	06/24/08	15:30	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Black Rascal Creek @ Yosemite Rd	E	07/29/08	18:40	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
Black Rascal Creek @ Yosemite Rd	E	08/26/08	16:30	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Black Rascal Creek @ Yosemite Rd	E	09/30/08	14:20	water	10/01/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Black Rascal Creek @ Yosemite Rd	E	04/29/08	17:20	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1093949	1862483	170	NSG	
Black Rascal Creek @ Yosemite Rd	E	05/27/08	15:40	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2191390	6750490	308	NSG	
Black Rascal Creek @ Yosemite Rd	E	06/24/08	15:30	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	611987	2126260	347	NSG	
Black Rascal Creek @ Yosemite Rd	E	07/29/08	18:40	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	703169	1168849	166	NSG	
Black Rascal Creek @ Yosemite Rd	E	08/26/08	16:30	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	625013	1308878	209	NSG	
Black Rascal Creek @ Yosemite Rd	E	09/30/08	14:20	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	423110	1396804	330	NSG	
Cottonwood Creek @ Rd 20	E	04/29/08	10:30	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Cottonwood Creek @ Rd 20	E	05/27/08	10:40	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	06/24/08	10:30	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	07/29/08	11:10	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	08/26/08	10:30	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	04/29/08	10:30	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	05/27/08	10:40	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	06/24/08	10:30	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	07/29/08	11:10	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	08/26/08	10:30	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Cottonwood Creek @ Rd 20	E	04/29/08	10:30	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1139540	58382	5	SL	TIE initiated on 5/13/08 and toxicity caused by cationic chemicals and NPOs; Resampled on 5/7/08; toxicity was persistent.
Cottonwood Creek @ Rd 20	RS	05/07/08	18:10	water	05/08/08	<i>Selenastrum capricornutum</i>	Total Cell Count	3507016	130025	4	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent.
Cottonwood Creek @ Rd 20	E	05/27/08	10:40	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2191390	6027547	275	NSG	
Cottonwood Creek @ Rd 20	E	06/24/08	10:30	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	611987	2279315	372	NSG	

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Cottonwood Creek @ Rd 20	E	07/29/08	11:10	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	703169	1426112	203	NSG	
Cottonwood Creek @ Rd 20	E	08/26/08	10:30	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	625013	1810379	290	NSG	
Deadman Creek @ Gurr Rd	E	04/29/08	12:50	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	05/27/08	12:30	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	06/24/08	11:00	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	07/29/08	11:40	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	08/26/08	10:40	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	09/30/08	10:30	water	10/01/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	04/29/08	12:50	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
Deadman Creek @ Gurr Rd	MPM	05/20/08	15:00	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	05/27/08	12:30	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	MPM	06/17/08	14:50	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Deadman Creek @ Gurr Rd	E	06/24/08	11:00	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	07/29/08	11:40	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
Deadman Creek @ Gurr Rd	E	08/26/08	10:40	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Gurr Rd	E	09/30/08	10:30	water	10/01/08	<i>Pimephales promelas</i>	Survival (%)	97.5	97.5	100	NSG	
Deadman Creek @ Gurr Rd	E	04/29/08	12:50	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1139540	2399806	211	NSG	
Deadman Creek @ Gurr Rd	E	05/27/08	12:30	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2191390	6857954	313	NSG	
Deadman Creek @ Gurr Rd	E	06/24/08	11:00	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	611987	2126260	347	NSG	
Deadman Creek @ Gurr Rd	E	07/29/08	11:40	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	703169	1129771	161	NSG	
Deadman Creek @ Gurr Rd	E	08/26/08	10:40	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	625013	1426112	228	NSG	

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Deadman Creek @ Gurr Rd	E	09/30/08	10:30	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	423110	862738	204	NSG	
Deadman Creek @ Highway 59	E	04/29/08	13:50	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Deadman Creek @ Highway 59	E	05/27/08	13:30	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	06/24/08	12:00	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	07/29/08	12:30	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	08/26/08	11:40	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	09/30/08	12:20	water	10/01/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	04/29/08	13:50	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	05/27/08	13:30	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	06/24/08	12:00	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	07/29/08	12:30	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	08/26/08	11:40	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	09/30/08	12:20	water	10/01/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Deadman Creek @ Highway 59	E	04/29/08	13:50	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1139540	810634	71	SL	Resampled on 5/7/08; toxicity was persistent.
Deadman Creek @ Highway 59	RS	05/07/08	13:20	water	05/08/08	<i>Selenastrum capricornutum</i>	Total Cell Count	3507016	1487986	42	SL	No TIE conducted; sample inadvertently discarded; Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent.
Deadman Creek @ Highway 59	E	05/27/08	13:30	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2191390	5926595	270	NSG	
Deadman Creek @ Highway 59	E	06/24/08	12:00	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	611987	2705917	442	NSG	
Deadman Creek @ Highway 59	E	07/29/08	12:30	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	703169	2800355	398	NSG	
Deadman Creek @ Highway 59	E	08/26/08	11:40	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	625013	2178364	349	NSG	
Deadman Creek @ Highway 59	E	09/30/08	12:20	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	488240	950663	195	NSG	

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Dry Creek @ Rd 18	E	04/29/08	12:00	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Dry Creek @ Rd 18	E	05/27/08	12:30	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	06/24/08	11:30	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	07/29/08	15:30	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	08/26/08	12:30	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	04/29/08	12:00	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	05/27/08	12:30	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	06/24/08	11:30	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	07/29/08	15:30	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	08/26/08	12:30	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Rd 18	E	04/29/08	12:00	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1139540	1885279	165	NSG	
Dry Creek @ Rd 18	E	05/27/08	12:30	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2666839	5486968	206	NSG	
Dry Creek @ Rd 18	E	06/24/08	11:30	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	592448	1875509	317	NSG	
Dry Creek @ Rd 18	E	07/29/08	15:30	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	703169	1468447	209	NSG	
Dry Creek @ Rd 18	E	08/26/08	12:30	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	576166	1751762	304	NSG	
Dry Creek @ Waterford Rd	MPM	09/23/08	9:50	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	04/22/08	8:40	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	05/20/08	8:40	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	06/17/08	9:00	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	07/22/08	8:40	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	08/19/08	8:40	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

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Dry Creek @ Wellsford Rd	E	09/23/08	8:30	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	04/22/08	8:40	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	05/20/08	8:40	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Dry Creek @ Wellsford Rd	E	06/17/08	9:00	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	07/22/08	8:40	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	08/19/08	8:40	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Dry Creek @ Wellsford Rd	E	09/23/08	8:30	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	95	95	NSG	
Dry Creek @ Wellsford Rd	E	04/22/08	8:40	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1250261	2194646	176	NSG	
Dry Creek @ Wellsford Rd	E	05/20/08	8:40	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1351213	2712430	201	NSG	
Dry Creek @ Wellsford Rd	E	06/17/08	9:00	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	654322	2484475	380	NSG	
Dry Creek @ Wellsford Rd	E	07/22/08	8:40	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	989741	2347702	237	NSG	
Dry Creek @ Wellsford Rd	E	08/19/08	8:40	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	732478	2344445	320	NSG	
Dry Creek @ Wellsford Rd	E	09/23/08	8:30	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	367750	2295598	624	NSG	
Duck Slough @ Gurr Rd	E	04/29/08	12:00	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	E	05/27/08	10:40	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	E	06/24/08	10:10	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	90	90	NSG	
Duck Slough @ Gurr Rd	E	07/29/08	11:00	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	85	85	NSG	
Duck Slough @ Gurr Rd	E	08/26/08	9:30	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	E	09/30/08	9:10	water	10/01/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	E	04/29/08	12:00	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	E	05/27/08	10:40	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	

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Duck Slough @ Gurr Rd	E	06/24/08	10:10	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	E	07/29/08	11:00	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
Duck Slough @ Gurr Rd	E	08/26/08	9:30	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	E	09/30/08	9:10	water	10/01/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Gurr Rd	E	04/29/08	12:00	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1093949	1911331	175	NSG	
Duck Slough @ Gurr Rd	E	05/27/08	10:40	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2666839	8248480	309	NSG	
Duck Slough @ Gurr Rd	E	06/24/08	10:10	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	592448	2718943	459	NSG	
Duck Slough @ Gurr Rd	E	07/29/08	11:00	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	712939	2497501	350	NSG	
Duck Slough @ Gurr Rd	E	08/26/08	9:30	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	576166	1510781	262	NSG	
Duck Slough @ Gurr Rd	E	09/30/08	9:10	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	488240	1282826	263	NSG	
Duck Slough @ Hwy 59	MPM	07/29/08	13:40	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	712939	1930870	271	NSG	
Duck Slough @ Hwy 59	MPM	09/30/08	13:10	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	488240	638039	131	NSG	
Duck Slough @ Hwy 99	E	04/29/08	16:00	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	05/27/08	15:30	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	06/24/08	15:20	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	07/29/08	17:40	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	08/26/08	14:30	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	09/30/08	15:10	water	10/01/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Duck Slough @ Hwy 99	E	04/29/08	16:00	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
Duck Slough @ Hwy 99	E	05/27/08	15:30	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	06/24/08	15:20	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	

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Duck Slough @ Hwy 99	E	07/29/08	17:40	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	08/26/08	14:30	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	09/30/08	15:10	water	10/01/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Duck Slough @ Hwy 99	E	04/29/08	16:00	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1093949	937637	86	SG	Resampled on 5/7/08; toxicity was persistent.
Duck Slough @ Hwy 99	RS	05/07/08	16:10	water	05/08/08	<i>Selenastrum capricornutum</i>	Total Cell Count	3507016	182129	5	SL	No TIE conducted; sample inadvertently discarded; Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent.
Duck Slough @ Hwy 99	E	05/27/08	15:30	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2666839	5740975	215	NSG	
Duck Slough @ Hwy 99	E	06/24/08	15:20	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	592448	1989487	336	NSG	
Duck Slough @ Hwy 99	E	07/29/08	17:40	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	712939	1673606	235	NSG	
Duck Slough @ Hwy 99	E	08/26/08	14:30	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	576166	1719197	298	NSG	
Duck Slough @ Hwy 99	E	09/30/08	15:10	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	488240	1279570	262	NSG	
Hatch Drain @ Tuolumne Rd	E	04/22/08	9:30	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Hatch Drain @ Tuolumne Rd	E	05/20/08	10:50	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Hatch Drain @ Tuolumne Rd	E	06/17/08	10:10	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	75	75	NSL	
Hatch Drain @ Tuolumne Rd	E	07/22/08	9:50	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Hatch Drain @ Tuolumne Rd	E	08/19/08	10:30	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Hatch Drain @ Tuolumne Rd	E	09/23/08	10:10	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	90	90	NSG	
Hatch Drain @ Tuolumne Rd	E	04/22/08	9:30	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hatch Drain @ Tuolumne Rd	E	05/20/08	10:50	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Hatch Drain @ Tuolumne Rd	E	06/17/08	10:10	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hatch Drain @ Tuolumne Rd	E	07/22/08	9:50	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Hatch Drain @ Tuolumne Rd	E	08/19/08	10:30	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
Hatch Drain @ Tuolumne Rd	E	09/23/08	10:10	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hatch Drain @ Tuolumne Rd	E	04/22/08	9:30	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1250261	800864	64	SL	Resampled on 04/29/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	RS	04/29/08	8:50	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	918098	432880	47	SL	TIE initiated on 5/13/08 and cationic chemicals and NPOs caused toxicity; Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	E	05/20/08	10:50	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1351213	804121	60	SL	Resampled on 5/27/08; toxicity was not persistent.
Hatch Drain @ Tuolumne Rd	RS	05/27/08	19:10	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2458423	4184368	170	NSG	Resampling event due to <i>S. capricornutum</i> toxicity on 05/20/08; toxicity was not persistent.
Hatch Drain @ Tuolumne Rd	E	06/17/08	10:10	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	654322	1429369	218	NSG	
Hatch Drain @ Tuolumne Rd	E	07/22/08	9:50	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	989741	439393	44	SL	A TIE was conducted on 07/29/08; no toxicity was detected and cause(s) of toxicity could not be determined; Resampled on 07/29/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	RS	07/29/08	8:20	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	608731	315646	52	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 07/22/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	E	08/19/08	10:30	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	732478	315646	43	SL	A TIE was conducted on 8/26/08; no toxicity was detected and cause(s) of toxicity could not be determined; Resampled on 8/26/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	RS	08/26/08	19:50	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	628270	403571	64	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 08/19/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	E	09/23/08	10:10	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	367750	331928	90	NSG	
Highline Canal @ Hwy 99	E	04/22/08	13:10	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	MPM	05/07/08	11:50	water	05/08/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	05/20/08	13:40	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	06/17/08	13:30	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	07/22/08	15:00	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	08/19/08	16:00	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Highline Canal @ Hwy 99	MPM	09/09/08	14:00	water	09/10/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	09/23/08	13:50	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	04/22/08	13:10	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	05/20/08	13:40	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Highline Canal @ Hwy 99	E	06/17/08	13:30	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	07/22/08	15:00	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	08/19/08	16:00	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	09/23/08	13:50	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Hwy 99	E	04/22/08	13:10	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1250261	791095	63	SL	Resampled on 04/29/08; toxicity was not persistent.
Highline Canal @ Hwy 99	RS	04/29/08	8:30	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	918098	852968	93	NSG	Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was not persistent.
Highline Canal @ Hwy 99	E	05/20/08	13:40	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1351213	1022306	76	SL	Resampled on 5/27/08; toxicity was not persistent.
Highline Canal @ Hwy 99	RS	05/27/08	19:00	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2458423	5740975	234	NSG	Resampling event due to <i>S. capricornutum</i> toxicity on 05/20/08; toxicity was not persistent.
Highline Canal @ Hwy 99	E	06/17/08	13:30	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	654322	1794097	274	NSG	
Highline Canal @ Hwy 99	E	07/22/08	15:00	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	989741	1344700	136	NSG	
Highline Canal @ Hwy 99	E	08/19/08	16:00	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	732478	1224209	167	NSG	
Highline Canal @ Hwy 99	E	09/23/08	13:50	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	367750	979972	266	NSG	
Highline Canal @ Lombardy Rd	E	04/22/08	12:20	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	05/20/08	12:40	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	MPM	06/03/08	11:50	water	06/04/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	06/17/08	12:50	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

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Highline Canal @ Lombardy Rd	E	07/22/08	14:20	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	08/19/08	14:10	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	MPM	09/09/08	14:30	water	09/10/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	09/23/08	13:10	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	04/22/08	12:20	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	05/20/08	12:40	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Highline Canal @ Lombardy Rd	E	06/17/08	12:50	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Highline Canal @ Lombardy Rd	E	07/22/08	14:20	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	08/19/08	14:10	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	09/23/08	13:10	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Highline Canal @ Lombardy Rd	E	04/22/08	12:20	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1250261	1487986	119	NSG	
Highline Canal @ Lombardy Rd	E	05/20/08	12:40	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1351213	719452	53	SL	Resampled on 5/27/08; toxicity was not persistent.
Highline Canal @ Lombardy Rd	RS	05/27/08	19:20	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2458423	4939876	201	NSG	Resampling event due to <i>S. capricornutum</i> toxicity on 05/20/08; toxicity was not persistent.
Highline Canal @ Lombardy Rd	E	06/17/08	12:50	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	859481	833429	97	NSG	
Highline Canal @ Lombardy Rd	E	07/22/08	14:20	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	989741	1090693	110	NSG	
Highline Canal @ Lombardy Rd	MPM	08/05/08	09:40	water	08/06/08	<i>Selenastrum capricornutum</i>	Total Cell Count	621757	996254	160	NSG	
Highline Canal @ Lombardy Rd	E	08/19/08	14:10	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	732478	1540090	210	NSG	
Highline Canal @ Lombardy Rd	E	09/23/08	13:10	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	367750	1090693	297	NSG	
Hilmar Drain @ Central Ave	E	04/22/08	15:20	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Hilmar Drain @ Central Ave	E	05/20/08	13:30	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	E	06/17/08	13:10	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

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Hilmar Drain @ Central Ave	E	07/22/08	12:10	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	E	08/19/08	12:30	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Hilmar Drain @ Central Ave	E	09/23/08	12:40	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	E	09/23/08	12:40	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Hilmar Drain @ Central Ave	E	04/22/08	15:20	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	E	05/20/08	13:30	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Hilmar Drain @ Central Ave	E	06/17/08	13:10	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	E	07/22/08	12:10	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	E	08/19/08	12:30	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	E	09/23/08	12:40	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Hilmar Drain @ Central Ave	E	09/23/08	12:40	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Hilmar Drain @ Central Ave	E	04/22/08	15:20	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1250261	559883	45	SL	TIE initiated on 5/10/08 and no toxicity was detected; Resampled on 4/29/08; toxicity was persistent.
Hilmar Drain @ Central Ave	RS	04/29/08	9:40	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	918098	537088	59	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was persistent.
Hilmar Drain @ Central Ave	E	05/20/08	13:30	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1351213	2406319	178	NSG	
Hilmar Drain @ Central Ave	E	06/17/08	13:10	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	654322	1582424	242	NSG	
Hilmar Drain @ Central Ave	E	07/22/08	12:10	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	989741	1038589	105	NSG	
Hilmar Drain @ Central Ave	E	08/19/08	12:30	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	732478	1166895	159	NSG	
Hilmar Drain @ Central Ave	E	09/23/08	12:40	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	367750	266798	73	SL	Resampled on 9/30/08; toxicity was persistent.
Hilmar Drain @ Central Ave	E	09/23/08	12:40	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	367750	305876	83	SG	FD RPD 13.6; Resampled on 9/30/08, toxicity was persistent.
Hilmar Drain @ Central Ave	RS	09/30/08	18:10	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	432880	325415	75	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 9/23/08; toxicity was persistent.
Hilmar Drain @ Mitchell Rd	MPM	07/22/08	13:00	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	927868	651065	70	SL	Resampled on 07/29/08; toxicity was persistent.

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Hilmar Drain @ Mitchell Rd	RS	07/29/08	9:00	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	608731	136538	22	SL	A TIE was conducted on 08/05/08; no toxicity was detected and cause(s) of toxicity could not be determined; Resampling event due to <i>S. capricornutum</i> toxicity on 07/22/08; toxicity was persistent.
Livingston Drain @ Robin Ave	E	04/22/08	14:00	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	05/20/08	15:50	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	06/17/08	15:30	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Livingston Drain @ Robin Ave	E	07/22/08	15:20	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	08/19/08	13:50	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	09/23/08	15:20	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	04/22/08	14:00	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	05/20/08	15:50	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Livingston Drain @ Robin Ave	E	06/17/08	15:30	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	07/22/08	15:20	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	08/19/08	13:50	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	95	95	NSG	
Livingston Drain @ Robin Ave	E	09/23/08	15:20	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Livingston Drain @ Robin Ave	E	04/22/08	14:00	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1250261	729221	58	SL	Resampled on 04/29/08; toxicity was persistent.
Livingston Drain @ Robin Ave	RS	04/29/08	10:30	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	918098	579422	63	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was persistent.
Livingston Drain @ Robin Ave	E	05/20/08	15:50	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1351213	839942	62	SL	Resampled on 5/27/08; toxicity was not persistent.
Livingston Drain @ Robin Ave	RS	05/27/08	18:30	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2458423	3992234	162	NSG	Resampling event due to <i>S. capricornutum</i> toxicity on 05/20/08; toxicity was not persistent.
Livingston Drain @ Robin Ave	E	06/17/08	15:30	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	654322	833429	127	NSG	
Livingston Drain @ Robin Ave	E	07/22/08	15:20	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	989741	1250261	126	NSG	

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Livingston Drain @ Robin Ave	E	08/19/08	13:50	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	507779	592448	117	NSG	
Livingston Drain @ Robin Ave	E	09/23/08	15:20	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	325415	732478	225	NSG	
Merced River @ Santa Fe Dr	E	04/22/08	11:20	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	05/20/08	11:40	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	06/17/08	12:00	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	MPM	07/08/08	15:00	water	07/09/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	07/22/08	13:30	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	MPM	08/05/08	10:10	water	08/06/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	08/19/08	12:40	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	09/23/08	12:10	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Merced River @ Santa Fe Dr	E	04/22/08	11:20	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	05/20/08	11:40	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	06/17/08	12:00	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Merced River @ Santa Fe Dr	E	07/22/08	13:30	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	08/19/08	12:40	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	09/23/08	12:10	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Merced River @ Santa Fe Dr	E	04/22/08	11:20	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1403317	1243748	89	NSG	
Merced River @ Santa Fe Dr	E	05/20/08	11:40	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1273057	2741738	215	NSG	
Merced River @ Santa Fe Dr	E	06/17/08	12:00	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	859481	1644298	191	NSG	
Merced River @ Santa Fe Dr	E	07/22/08	13:30	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	927868	2018795	218	NSG	
Merced River @ Santa Fe Dr	E	08/19/08	12:40	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	507779	2194646	432	NSG	

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Merced River @ Santa Fe Dr	E	09/23/08	12:10	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	325415	2012282	618	NSG	
Miles Creek @ Reilly Rd	E	04/29/08	14:40	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	05/27/08	14:20	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	06/24/08	14:10	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	07/29/08	15:20	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	08/26/08	13:00	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	80	80	NSG	
Miles Creek @ Reilly Rd	E	09/30/08	13:50	water	10/01/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	04/29/08	14:40	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	05/27/08	14:20	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	06/24/08	14:10	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	07/29/08	15:20	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
Miles Creek @ Reilly Rd	E	08/26/08	13:00	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	09/30/08	13:50	water	10/01/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Miles Creek @ Reilly Rd	E	04/29/08	14:40	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1093949	273311	25	SL	TIE initiated on 5/13/08 and toxicity caused by cationic chemicals and NPOs; Resampled on 5/7/08; toxicity was persistent.
Miles Creek @ Reilly Rd	RS	05/07/08	13:40	water	05/08/08	<i>Selenastrum capricornutum</i>	Total Cell Count	3507016	1771301	51	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/29/08; toxicity was persistent.
Miles Creek @ Reilly Rd	E	05/27/08	14:20	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2666839	7564615	284	NSG	
Miles Creek @ Reilly Rd	E	06/24/08	14:10	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	592448	2077412	351	NSG	
Miles Creek @ Reilly Rd	E	07/29/08	15:20	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	712939	1758275	247	NSG	
Miles Creek @ Reilly Rd	E	08/26/08	13:00	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	576166	921355	160	NSG	
Miles Creek @ Reilly Rd	E	09/30/08	13:50	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	488240	752017	154	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	04/22/08	11:50	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

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Prairie Flower Drain @ Crows Landing Rd	E	05/20/08	12:00	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	06/17/08	11:30	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	07/22/08	10:40	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	08/19/08	11:20	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	09/23/08	11:00	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	04/22/08	11:50	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	05/20/08	12:00	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	06/17/08	11:30	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	07/22/08	10:40	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	08/19/08	11:20	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	09/23/08	11:00	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	04/22/08	11:50	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1403317	403571	29	SL	TIE initiated on 5/10/08 and toxicity caused by cationic chemicals and non-polar organics; Resampled on 4/29/08; toxicity was persistent.
Prairie Flower Drain @ Crows Landing Rd	RS	04/29/08	9:10	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	918098	517549	56	SL	Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was persistent.
Prairie Flower Drain @ Crows Landing Rd	E	05/20/08	12:00	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1273057	771556	61	SL	Resampled on 5/27/08; toxicity was persistent.
Prairie Flower Drain @ Crows Landing Rd	RS	05/27/08	18:40	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2458423	2155568	88	SG	Resampling event due to <i>S. capricornutum</i> toxicity on 05/20/08; toxicity was persistent.
Prairie Flower Drain @ Crows Landing Rd	E	06/17/08	11:30	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	859481	2106721	245	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	07/22/08	10:40	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	927868	2464936	266	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	08/19/08	11:20	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	507779	2347702	462	NSG	
Prairie Flower Drain @ Crows Landing Rd	E	09/23/08	11:00	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	325415	442649	136	NSG	
Prairie Flower Drain @ Morgan Rd	MPM	09/23/08	11:50	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	

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Prairie Flower Drain @ Morgan Rd	MPM	07/22/08	11:30	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Reclamation Drain @ Williams Ave	MPM	07/22/08	13:10	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	927868	1006024	108	NSG	
Silva Drain @ Meadow Dr	E	04/22/08	10:30	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	05/20/08	11:00	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	06/17/08	10:50	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	07/22/08	11:00	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	0	0	SL	A TIE was conducted on 07/24/08 and it was concluded OP insecticides was the cause of toxicity; Resampled on 07/29/08; toxicity was persistent.
Silva Drain @ Meadow Dr	RS	07/29/08	8:40	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	20	20	SL	Resampling event due to <i>C. dubia</i> toxicity on 07/22/08; toxicity was persistent.
Silva Drain @ Meadow Dr	E	08/19/08	11:30	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	09/23/08	11:20	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	04/22/08	10:30	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	05/20/08	11:00	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	06/17/08	10:50	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	97.5	80	82	SG	Resampled on 6/24/08; toxicity was not persistent.
Silva Drain @ Meadow Dr	RS	06/24/08	18:50	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	Resampling event due to <i>P. promelas</i> toxicity on 06/17/08; toxicity was not persistent.
Silva Drain @ Meadow Dr	E	07/22/08	11:00	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	08/19/08	11:30	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	09/23/08	11:20	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Silva Drain @ Meadow Dr	E	04/22/08	10:30	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1403317	2250007	160	NSG	
Silva Drain @ Meadow Dr	E	05/20/08	11:00	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1273057	2412832	190	NSG	
Silva Drain @ Meadow Dr	E	06/17/08	10:50	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	859481	1914587	223	NSG	
Silva Drain @ Meadow Dr	E	07/22/08	11:00	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	927868	1605220	173	NSG	

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Silva Drain @ Meadow Dr	E	08/19/08	11:30	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	507779	2676608	527	NSG	
Silva Drain @ Meadow Dr	E	09/23/08	11:20	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	325415	3015284	927	NSG	
South Slough @ Quinley Rd	E	04/29/08	11:20	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
South Slough @ Quinley Rd	E	06/24/08	9:20	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
South Slough @ Quinley Rd	E	07/29/08	10:10	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
South Slough @ Quinley Rd	E	04/29/08	11:20	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
South Slough @ Quinley Rd	E	06/24/08	9:20	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
South Slough @ Quinley Rd	E	07/29/08	10:10	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	97.5	98	NSG	
South Slough @ Quinley Rd	E	04/29/08	11:20	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1093949	19304	2	SL	TIE initiated on 5/13/08 and toxicity caused by cationic chemicals and NPOs; Not resampled on 5/7/08 since site was dry.
South Slough @ Quinley Rd	E	06/24/08	9:20	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	592448	1924357	325	NSG	
South Slough @ Quinley Rd	E	07/29/08	10:10	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	712939	1956922	274	NSG	
Westport Drain @ Vivian Rd	E	04/22/08	8:20	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	05/20/08	8:50	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	06/17/08	8:50	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	07/22/08	9:00	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	08/19/08	9:40	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	09/23/08	9:20	water	09/24/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	04/22/08	8:20	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	05/20/08	8:50	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	06/17/08	8:50	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	
Westport Drain @ Vivian Rd	E	07/22/08	9:00	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Westport Drain @ Vivian Rd	E	08/19/08	9:40	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	09/23/08	9:20	water	09/24/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	
Westport Drain @ Vivian Rd	E	04/22/08	8:20	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1403317	813890	58	SL	Resampled on 04/29/08; toxicity was not persistent.
Westport Drain @ Vivian Rd	RS	04/29/08	8:30	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	918098	1087436	118	NSG	Resampling event due to <i>S. capricornutum</i> toxicity on 04/22/08; toxicity was not persistent.
Westport Drain @ Vivian Rd	E	05/20/08	8:50	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1273057	2829664	222	NSG	
Westport Drain @ Vivian Rd	E	06/17/08	8:50	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	859481	1362285	159	NSG	
Westport Drain @ Vivian Rd	E	07/22/08	9:00	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	927868	1002767	108	NSG	
Westport Drain @ Vivian Rd	E	08/19/08	9:40	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	507779	1969948	388	NSG	
Westport Drain @ Vivian Rd	E	09/23/08	9:20	water	09/24/08	<i>Selenastrum capricornutum</i>	Total Cell Count	325415	501266	154	NSG	

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**Table I - 5. ESJWQC sediment toxicity testing results.**

Results for *Hyalella azteca* samples collected during the 2008 irrigation season. Re-samples (RS) were collected within 7 days of being notified that the original sample was toxic. Toxicity tests are initiated within 14 days of sampling. Data are sorted by station name, species and sample date.

Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Bear Creek @ Kibby Rd	E	08/28/08	14:50	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	90	91	SG	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Bear Creek @ Kibby Rd	RS	10/02/08	13:50	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	88	91	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Black Rascal Creek @ Yosemite Rd	E	08/28/08	14:20	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	62	63	SL	Resampled on 10/2/08 and retested on 10/15/08; toxicity was not persistent.
Black Rascal Creek @ Yosemite Rd	RS	10/02/08	14:10	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	95	98	NSG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was not persistent.
Cottonwood Creek @ Rd 20	E	08/28/08	9:50	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	96	97	NSG	
Deadman Creek @ Gurr Rd	E	08/28/08	11:50	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	94	95	NSG	
Deadman Creek @ Hwy 59	E	08/28/08	11:20	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	89	90	SG	Resampled on 10/2/08 and retested on 10/15/08; toxicity was not persistent.
Deadman Creek @ Hwy 59	RS	10/02/08	12:40	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	94	97	NSG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was not persistent.
Dry Creek @ Rd 18	E	08/28/08	10:20	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	88	89	SG	Site unable to be resampled on 10/2/08 due to a dry waterbody bed.
Dry Creek @ Wellsford Rd	E	08/28/08	8:30	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	71	73	SL	Resampled on 10/2/08 and retested on 10/15/08; toxicity was not persistent.
Dry Creek @ Wellsford Rd	RS	10/02/08	10:20	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	95	98	NSG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was not persistent.
Duck Slough @ Gurr Rd	E	08/28/08	12:20	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	62	63	SL	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Duck Slough @ Gurr Rd	RS	10/02/08	12:10	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	90	93	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Duck Slough @ Hwy 99	E	08/28/08	13:40	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	84	86	SG	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Duck Slough @ Hwy 99	RS	10/02/08	13:20	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	87	90	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Hatch Drain @ Tuolumne Rd	E	08/28/08	10:40	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	0	0	SL	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.

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Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Hatch Drain @ Tuolumne Rd	RS	10/02/08	11:50	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	5	5	SL	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Highline Canal @ Hwy 99	E	08/28/08	13:50	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	91	94	SG	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Highline Canal @ Hwy 99	RS	10/02/08	14:20	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	89	92	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Highline Canal @ Lombardy Rd	E	08/28/08	15:30	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	60	62	SL	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Highline Canal @ Lombardy Rd	RS	10/02/08	14:50	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	80	82	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Hilmar Drain @ Central Ave	E	08/28/08	11:45	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	0	0	SL	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Hilmar Drain @ Central Ave	RS	10/02/08	13:00	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	0	0	SL	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Livingston Drain @ Robin Ave	E	08/28/08	13:00	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	88	91	NSG	
Merced River @ Santa Fe Dr	E	08/28/08	16:20	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	84	87	NSG	
Miles Creek @ Reilly Rd	E	08/28/08	13:00	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	94	95	SG	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Miles Creek @ Reilly Rd	RS	10/02/08	13:00	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	88	91	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent. One survival replicate result was a statistical outlier using Grubbs (1969) analysis, and therefore excluded.
Prairie Flower Drain @ Crows Landing Rd	E	08/28/08	11:10	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	87	90	SG	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Prairie Flower Drain @ Crows Landing Rd	RS	10/02/08	12:20	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	83	86	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Silva Drain @ Meadow Dr	E	08/28/08	16:40	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	82	85	SG	Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Silva Drain @ Meadow Dr	RS	10/02/08	15:00	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	88	91	SG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was persistent.
Westport Drain @ Vivian Rd	E	08/28/08	9:50	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	91	94	NSG	
Westport Drain @ Vivian Rd	RS	10/02/08	11:20	sediment	10/15/08	<i>Hyalella azteca</i>	Survival (%)	97	91	94	NSG	Resampling event due to <i>H. azteca</i> toxicity on 8/28/08; toxicity was not persistent.

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

**Table I - 6. Calculated Loads.**

Data sorted by station name, sample date, and analyte.

Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Ammonia as N	0.044	DNQ	mg/L	113.34	141.22
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Arsenic	0.7	=	µg/L	113.34	2246.61
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Boron	7	DNQ	µg/L	113.34	22466.14
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Copper	1.1	=	µg/L	113.34	3530.39
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Dissolved Solids	50	=	mg/L	113.34	160472.44
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Lead	0.15	DNQ	µg/L	113.34	481.42
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Nickel	0.7	=	µg/L	113.34	2246.61
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Nitrate as N	0.16	=	mg/L	113.34	513.51
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Nitrogen, Total Kjeldahl	0.37	=	mg/L	113.34	1187.50
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Phosphate as P	0.048	=	mg/L	113.34	154.05
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Selenium	0.35	DNQ	µg/L	113.34	1123.31
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Total Organic Carbon	3.6	=	mg/L	113.34	11554.02
Bear Creek @ Kibby Rd	E	4/29/08	16:20	Zinc	1	=	µg/L	113.34	3209.45
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Arsenic	0.7	=	µg/L	147.77	2929.08
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Boron	9	DNQ	µg/L	147.77	37659.63
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Copper	1.4	=	µg/L	147.77	5858.16
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Dissolved Solids	51	=	mg/L	147.77	213404.56
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Lead	0.19	DNQ	µg/L	147.77	795.04
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Nickel	0.7	=	µg/L	147.77	2929.08
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Nitrate as N	0.14	=	mg/L	147.77	585.82
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Nitrogen, Total Kjeldahl	0.12	=	mg/L	147.77	502.13
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Phosphate as P	0.037	=	mg/L	147.77	154.82
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Selenium	0.92	DNQ	µg/L	147.77	3849.65
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Total Organic Carbon	1.8	=	mg/L	147.77	7531.93
Bear Creek @ Kibby Rd	E	5/27/08	16:40	Zinc	2	=	µg/L	147.77	8368.81
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Arsenic	0.7	=	µg/L	94.90	1881.10
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Boron	7	DNQ	µg/L	94.90	18810.98
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Copper	7.1	=	µg/L	94.90	19079.71
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Dissolved Solids	30	=	mg/L	94.90	80618.50
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Lead	0.24	DNQ	µg/L	94.90	644.95
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Nickel	0.7	=	µg/L	94.90	1881.10
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Nitrate as N	0.12	=	mg/L	94.90	322.47

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Nitrite as N	0.003	DNQ	mg/L	94.90	8.06
Bear Creek @ Kibby Rd	E	8/26/08	16:00	OrthoPhosphate as P	0.016	=	mg/L	94.90	43.00
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Phosphate as P	0.072	=	mg/L	94.90	193.48
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Selenium	0.19	DNQ	µg/L	94.90	510.58
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Total Organic Carbon	2.5	=	mg/L	94.90	6718.21
Bear Creek @ Kibby Rd	E	8/26/08	16:00	Zinc	2	=	µg/L	94.90	5374.57
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Arsenic	0.9	=	µg/L	33.10	843.56
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Boron	6	DNQ	µg/L	33.10	5623.76
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Copper	1.3	=	µg/L	33.10	1218.48
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Dissolved Solids	45	=	mg/L	33.10	42178.17
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Lead	0.34	=	µg/L	33.10	318.68
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Nickel	0.8	=	µg/L	33.10	749.83
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Nitrate as N	0.099	=	mg/L	33.10	92.79
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Nitrite as N	0.003	DNQ	mg/L	33.10	2.81
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Nitrogen, Total Kjeldahl	0.24	=	mg/L	33.10	224.95
Bear Creek @ Kibby Rd	E	9/30/08	13:30	OrthoPhosphate as P	0.01	=	mg/L	33.10	9.37
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Phosphate as P	0.032	=	mg/L	33.10	29.99
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Total Organic Carbon	1.9	=	mg/L	33.10	1780.86
Bear Creek @ Kibby Rd	E	9/30/08	13:30	Zinc	2	=	µg/L	33.10	1874.59
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Ammonia as N	0.13	=	mg/L	0.04	0.15
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Arsenic	3.2	=	µg/L	0.04	3.62
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Boron	19	=	µg/L	0.04	21.52
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Cadmium	0.08	DNQ	µg/L	0.04	0.09
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Chlorpyrifos	0.0078	DNQ	µg/L	0.04	0.01
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Copper	8	=	µg/L	0.04	9.06
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Dissolved Solids	150	=	mg/L	0.04	169.90
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Lead	2.4	=	µg/L	0.04	2.72
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Nickel	9	=	µg/L	0.04	10.19
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Nitrogen, Total Kjeldahl	2	=	mg/L	0.04	2.27
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	OrthoPhosphate as P	0.11	=	mg/L	0.04	0.12
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Phosphate as P	0.37	=	mg/L	0.04	0.42
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Selenium	0.3	DNQ	µg/L	0.04	0.34
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Total Organic Carbon	14	=	mg/L	0.04	15.86
Black Rascal Creek @ Yosemite Rd	E	4/29/08	17:20	Zinc	8	=	µg/L	0.04	9.06
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Ammonia as N	0.12	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Arsenic	0.7	=	µg/L	0.00	0.00

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Boron	8	DNQ	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Copper	1.7	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Dissolved Solids	120	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Lead	0.3	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Nickel	0.8	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Nitrite as N	0.011	DNQ	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Nitrogen, Total Kjeldahl	2.3	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	OrthoPhosphate as P	0.055	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Phosphate as P	0.38	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Selenium	0.69	DNQ	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Total Organic Carbon	13	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	6/24/08	15:30	Zinc	4	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Arsenic	2.2	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Boron	21	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Copper	3.3	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Dissolved Solids	110	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Lead	1.1	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Nickel	4.3	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Nitrite as N	0.004	DNQ	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Nitrogen, Total Kjeldahl	0.93	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	OrthoPhosphate as P	0.038	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Phosphate as P	0.32	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Total Organic Carbon	8.3	=	mg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	7/29/08	18:40	Zinc	6	=	µg/L	0.00	0.00
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Arsenic	1.8	=	µg/L	0.44	22.43
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Boron	20	=	µg/L	0.44	249.19
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Copper	2	=	µg/L	0.44	24.92
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Dissolved Solids	110	=	mg/L	0.44	1370.54
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Lead	0.98	=	µg/L	0.44	12.21
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Nickel	2.7	=	µg/L	0.44	33.64
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Nitrite as N	0.007	DNQ	mg/L	0.44	0.09
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Nitrogen, Total Kjeldahl	1.1	=	mg/L	0.44	13.71
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	OrthoPhosphate as P	0.033	=	mg/L	0.44	0.41
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Phosphate as P	0.19	=	mg/L	0.44	2.37
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Selenium	0.36	DNQ	µg/L	0.44	4.49
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Total Organic Carbon	7.4	=	mg/L	0.44	92.20

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Black Rascal Creek @ Yosemite Rd	E	8/26/08	16:30	Zinc	6	=	µg/L	0.44	74.76
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Ammonia as N	0.055	DNQ	mg/L	8.26	12.86
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Arsenic	2	=	µg/L	8.26	467.80
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Boron	32	=	µg/L	8.26	7484.75
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Copper	8	=	µg/L	8.26	1871.19
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Dissolved Solids	82	=	mg/L	8.26	19179.67
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Diuron	0.63	=	µg/L	8.26	147.36
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Lead	0.82	=	µg/L	8.26	191.80
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Nickel	1.7	=	µg/L	8.26	397.63
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Nitrogen, Total Kjeldahl	0.81	=	mg/L	8.26	189.46
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Phosphate as P	0.23	=	mg/L	8.26	53.80
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Selenium	0.3	DNQ	µg/L	8.26	70.17
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Simazine	0.11	DNQ	µg/L	8.26	25.73
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Total Organic Carbon	6.4	=	mg/L	8.26	1496.95
Cottonwood Creek @ Rd 20	E	4/29/08	10:30	Zinc	10	=	µg/L	8.26	2338.98
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Ammonia as N	0.055	DNQ	mg/L	17.41	27.11
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Arsenic	1.1	=	µg/L	17.41	542.30
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Boron	36	=	µg/L	17.41	17747.96
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Copper	4.9	=	µg/L	17.41	2415.69
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Cyanazine	1.1	=	µg/L	17.41	542.30
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Dissolved Solids	110	=	mg/L	17.41	54229.89
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Diuron	0.23	DNQ	µg/L	17.41	113.39
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Lead	0.24	DNQ	µg/L	17.41	118.32
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Nickel	0.8	=	µg/L	17.41	394.40
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Nitrate as N	0.28	=	mg/L	17.41	138.04
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Nitrogen, Total Kjeldahl	0.33	=	mg/L	17.41	162.69
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Phosmet	0.17	DNQ	µg/L	17.41	83.81
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Phosphate as P	0.053	=	mg/L	17.41	26.13
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Selenium	0.83	DNQ	µg/L	17.41	409.19
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Simazine	0.83	=	µg/L	17.41	409.19
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Total Organic Carbon	5.3	=	mg/L	17.41	2612.89
Cottonwood Creek @ Rd 20	E	5/27/08	10:40	Zinc	3	=	µg/L	17.41	1479.00
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Arsenic	1.4	=	µg/L	0.08	3.17
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Boron	34	=	µg/L	0.08	77.02
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Copper	4.5	=	µg/L	0.08	10.19
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Dissolved Solids	100	=	mg/L	0.08	226.54

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Lead	0.59	=	µg/L	0.08	1.34
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Nickel	1	=	µg/L	0.08	2.27
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Nitrite as N	0.005	DNQ	mg/L	0.08	0.01
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Nitrogen, Total Kjeldahl	0.38	=	mg/L	0.08	0.86
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	OrthoPhosphate as P	0.01	=	mg/L	0.08	0.02
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Phosphate as P	0.054	=	mg/L	0.08	0.12
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Selenium	0.73	DNQ	µg/L	0.08	1.65
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Total Organic Carbon	5.8	=	mg/L	0.08	13.14
Cottonwood Creek @ Rd 20	E	6/24/08	10:30	Zinc	4	=	µg/L	0.08	9.06
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Arsenic	1.1	=	µg/L	0.16	4.98
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Boron	34	=	µg/L	0.16	154.04
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Copper	4.8	=	µg/L	0.16	21.75
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Dissolved Solids	94	=	mg/L	0.16	425.89
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Lead	1	=	µg/L	0.16	4.53
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Nickel	1.3	=	µg/L	0.16	5.89
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Nitrite as N	0.005	DNQ	mg/L	0.16	0.02
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Nitrogen, Total Kjeldahl	1.3	=	mg/L	0.16	5.89
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Phosphate as P	0.48	=	mg/L	0.16	2.17
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Total Organic Carbon	5.3	=	mg/L	0.16	24.01
Cottonwood Creek @ Rd 20	E	7/29/08	11:10	Zinc	6	=	µg/L	0.16	27.18
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Arsenic	0.8	=	µg/L	0.79	17.90
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Boron	27	=	µg/L	0.79	604.00
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Copper	4.4	=	µg/L	0.79	98.43
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Dissolved Solids	85	=	mg/L	0.79	1901.49
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Lead	0.6	=	µg/L	0.79	13.42
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Nickel	0.8	=	µg/L	0.79	17.90
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Nitrite as N	0.002	DNQ	mg/L	0.79	0.04
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Nitrogen, Total Kjeldahl	0.4	=	mg/L	0.79	8.95
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Phosphate as P	0.059	=	mg/L	0.79	1.32
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Total Organic Carbon	4.4	=	mg/L	0.79	98.43
Cottonwood Creek @ Rd 20	E	8/26/08	10:30	Zinc	5	=	µg/L	0.79	111.85
Cottonwood Creek at Highway 145	MPM	5/27/08	11:40	Arsenic	0.9	=	µg/L	20.01	509.96
Cottonwood Creek at Highway 145	MPM	5/27/08	11:40	Boron	37	=	µg/L	20.01	20965.06
Cottonwood Creek at Highway 145	MPM	5/27/08	11:40	Copper	2.4	=	µg/L	20.01	1359.90
Cottonwood Creek at Highway 145	MPM	5/27/08	11:40	Lead	0.14	DNQ	µg/L	20.01	79.33
Cottonwood Creek at Highway 145	MPM	5/27/08	11:40	Nickel	0.7	=	µg/L	20.01	396.64

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Cottonwood Creek at Highway 145	MPM	5/27/08	11:40	Selenium	0.22	DNQ	µg/L	20.01	124.66
Cottonwood Creek at Highway 145	MPM	5/27/08	11:40	Zinc	2	=	µg/L	20.01	1133.25
Cottonwood Creek at Highway 145	MPM	6/24/08	9:30	Copper	39	=	µg/L	60.24	66526.83
Cottonwood Creek at Highway 145	MPM	7/29/08	10:10	Copper	2.3	=	µg/L	35.03	2281.47
Cottonwood Creek at Highway 145	MPM	8/26/08	9:40	Copper	2.1	=	µg/L	10.85	645.20
Deadman Creek (Dutchman) @ Gurr Rd	E	4/22/08	14:10	Copper	4.2	=	µg/L	3.86	459.08
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Ammonia as N	0.45	=	mg/L	1.97	25.10
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Arsenic	18	=	µg/L	1.97	1004.12
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Boron	48	=	µg/L	1.97	2677.66
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Copper	5.8	=	µg/L	1.97	323.55
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Dieldrin	0.028	=	µg/L	1.97	1.56
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Dissolved Solids	390	=	mg/L	1.97	21755.95
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Diuron	0.71	=	µg/L	1.97	39.61
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Lead	0.71	=	µg/L	1.97	39.61
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Nickel	6.1	=	µg/L	1.97	340.29
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Nitrate as N	0.29	=	mg/L	1.97	16.18
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Nitrite as N	0.079	=	mg/L	1.97	4.41
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Nitrogen, Total Kjeldahl	2.2	=	mg/L	1.97	122.73
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	OrthoPhosphate as P	0.67	=	mg/L	1.97	37.38
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Phosphate as P	0.9	=	mg/L	1.97	50.21
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Selenium	0.89	DNQ	µg/L	1.97	49.65
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Simazine	0.93	=	µg/L	1.97	51.88
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Total Organic Carbon	16	=	mg/L	1.97	892.55
Deadman Creek (Dutchman) @ Gurr Rd	E	4/29/08	12:50	Zinc	14	=	µg/L	1.97	780.98
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Ammonia as N	0.11	=	mg/L	2.55	7.94
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Arsenic	10	=	µg/L	2.55	722.08
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Boron	34	=	µg/L	2.55	2455.08
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Copper	5	=	µg/L	2.55	361.04
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Dissolved Solids	520	=	mg/L	2.55	37548.34
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Diuron	0.65	=	µg/L	2.55	46.94
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Lead	0.73	=	µg/L	2.55	52.71
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Nickel	5.9	=	µg/L	2.55	426.03
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Nitrate as N	2	=	mg/L	2.55	144.42
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Nitrite as N	0.11	=	mg/L	2.55	7.94
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Nitrogen, Total Kjeldahl	1.4	=	mg/L	2.55	101.09
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	OrthoPhosphate as P	0.21	=	mg/L	2.55	15.16

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Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Phosphate as P	0.36	=	mg/L	2.55	26.00
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Selenium	1.8	=	µg/L	2.55	129.98
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Simazine	1	=	µg/L	2.55	72.21
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Total Organic Carbon	5	=	mg/L	2.55	361.04
Deadman Creek (Dutchman) @ Gurr Rd	E	5/27/08	12:30	Zinc	8	=	µg/L	2.55	577.67
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Arsenic	6.5	=	µg/L	1.65	303.70
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Boron	25	=	µg/L	1.65	1168.08
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Copper	5	=	µg/L	1.65	233.62
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Cyanazine	0.42	DNQ	µg/L	1.65	19.62
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Dissolved Solids	170	=	mg/L	1.65	7942.92
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Lead	1	=	µg/L	1.65	46.72
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Nickel	5	=	µg/L	1.65	233.62
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Nitrate as N	0.21	=	mg/L	1.65	9.81
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Nitrite as N	0.018	DNQ	mg/L	1.65	0.84
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Nitrogen, Total Kjeldahl	0.62	=	mg/L	1.65	28.97
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	OrthoPhosphate as P	0.084	=	mg/L	1.65	3.92
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Phosphate as P	0.17	=	mg/L	1.65	7.94
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Selenium	0.72	DNQ	µg/L	1.65	33.64
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Simazine	0.25	DNQ	µg/L	1.65	11.68
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Total Organic Carbon	4.1	=	mg/L	1.65	191.56
Deadman Creek (Dutchman) @ Gurr Rd	E	6/24/08	11:00	Zinc	9	=	µg/L	1.65	420.51
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Arsenic	4.7	=	µg/L	1.10	146.40
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Boron	28	=	µg/L	1.10	872.16
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Chlorpyrifos	0.0067	DNQ	µg/L	1.10	0.21
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Copper	7	=	µg/L	1.10	218.04
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Dissolved Solids	180	=	mg/L	1.10	5606.77
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Lead	1.7	=	µg/L	1.10	52.95
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Nickel	6.7	=	µg/L	1.10	208.70
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Nitrate as N	0.22	=	mg/L	1.10	6.85
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Nitrite as N	0.014	DNQ	mg/L	1.10	0.44
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Nitrogen, Total Kjeldahl	0.68	=	mg/L	1.10	21.18
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	OrthoPhosphate as P	0.14	=	mg/L	1.10	4.36
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Phosphate as P	0.29	=	mg/L	1.10	9.03
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Selenium	0.45	DNQ	µg/L	1.10	14.02
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Total Organic Carbon	4.1	=	mg/L	1.10	127.71
Deadman Creek (Dutchman) @ Gurr Rd	E	7/29/08	11:40	Zinc	14	=	µg/L	1.10	436.08

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Ammonia as N	0.077	DNQ	mg/L	2.98	6.50
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Arsenic	6	=	µg/L	2.98	506.31
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Arsenic	5.8	=	µg/L	2.98	489.43
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Boron	31	=	µg/L	2.98	2615.92
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Boron	30	=	µg/L	2.98	2531.54
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Copper	4.6	=	µg/L	2.98	388.17
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Copper	4.5	=	µg/L	2.98	379.73
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Dissolved Solids	250	=	mg/L	2.98	21096.17
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Dissolved Solids	240	=	mg/L	2.98	20252.32
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Lead	0.99	=	µg/L	2.98	83.54
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Lead	0.95	=	µg/L	2.98	80.17
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Nickel	4.4	=	µg/L	2.98	371.29
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Nickel	4.2	=	µg/L	2.98	354.42
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Nitrate as N	0.81	=	mg/L	2.98	68.35
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Nitrate as N	0.85	=	mg/L	2.98	71.73
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Nitrite as N	0.031	=	mg/L	2.98	2.62
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Nitrite as N	0.031	=	mg/L	2.98	2.62
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Nitrogen, Total Kjeldahl	0.97	=	mg/L	2.98	81.85
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Nitrogen, Total Kjeldahl	1.1	=	mg/L	2.98	92.82
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	OrthoPhosphate as P	0.098	=	mg/L	2.98	8.27
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	OrthoPhosphate as P	0.14	=	mg/L	2.98	11.81
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Phosphate as P	0.17	=	mg/L	2.98	14.35
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Phosphate as P	0.17	=	mg/L	2.98	14.35
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Selenium	0.55	DNQ	µg/L	2.98	46.41
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Selenium	0.13	DNQ	µg/L	2.98	10.97
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Total Organic Carbon	4.4	=	mg/L	2.98	371.29
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Total Organic Carbon	4.4	=	mg/L	2.98	371.29
Deadman Creek (Dutchman) @ Gurr Rd	FD	9/30/08	10:30	Zinc	10	=	µg/L	2.98	843.85
Deadman Creek (Dutchman) @ Gurr Rd	E	9/30/08	10:30	Zinc	8	=	µg/L	2.98	675.08
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Ammonia as N	0.066	DNQ	mg/L	2.49	4.65
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Arsenic	16	=	µg/L	2.49	1128.15
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Boron	34	=	µg/L	2.49	2397.32
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Copper	3.1	=	µg/L	2.49	218.58
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Dissolved Solids	390	=	mg/L	2.49	27498.64
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Diuron	0.7	=	µg/L	2.49	49.36
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Lead	0.52	=	µg/L	2.49	36.66

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Deadman Creek @ Hwy 59	E	4/29/08	13:50	Nickel	3.6	=	µg/L	2.49	253.83
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Nitrate as N	0.22	=	mg/L	2.49	15.51
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Nitrite as N	0.015	DNQ	mg/L	2.49	1.06
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Nitrogen, Total Kjeldahl	0.76	=	mg/L	2.49	53.59
Deadman Creek @ Hwy 59	E	4/29/08	13:50	OrthoPhosphate as P	0.094	=	mg/L	2.49	6.63
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Phosphate as P	0.19	=	mg/L	2.49	13.40
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Selenium	0.62	DNQ	µg/L	2.49	43.72
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Simazine	0.45	DNQ	µg/L	2.49	31.73
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Total Organic Carbon	2.6	=	mg/L	2.49	183.32
Deadman Creek @ Hwy 59	E	4/29/08	13:50	Zinc	5	=	µg/L	2.49	352.55
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Arsenic	12	=	µg/L	1.37	465.53
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Boron	35	=	µg/L	1.37	1357.80
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Copper	4.3	=	µg/L	1.37	166.82
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Dissolved Solids	360	=	mg/L	1.37	13965.94
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Diuron	0.74	=	µg/L	1.37	28.71
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Lead	0.64	=	µg/L	1.37	24.83
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Nickel	4.5	=	µg/L	1.37	174.57
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Nitrate as N	0.075	=	mg/L	1.37	2.91
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Nitrite as N	0.006	DNQ	mg/L	1.37	0.23
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Nitrogen, Total Kjeldahl	0.63	=	mg/L	1.37	24.44
Deadman Creek @ Hwy 59	E	5/27/08	13:30	OrthoPhosphate as P	0.023	=	mg/L	1.37	0.89
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Phosphate as P	0.14	=	mg/L	1.37	5.43
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Selenium	1.2	=	µg/L	1.37	46.55
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Simazine	1.2	=	µg/L	1.37	46.55
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Total Organic Carbon	2.6	=	mg/L	1.37	100.87
Deadman Creek @ Hwy 59	E	5/27/08	13:30	Zinc	7	=	µg/L	1.37	271.56
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Ammonia as N	0.23	=	mg/L	0.25	1.63
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Arsenic	17	=	µg/L	0.25	120.35
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Boron	39	=	µg/L	0.25	276.09
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Copper	3	=	µg/L	0.25	21.24
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Dissolved Solids	300	=	mg/L	0.25	2123.78
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Diuron	0.28	DNQ	µg/L	0.25	1.98
Deadman Creek @ Hwy 59	FD	6/24/08	12:00	Diuron	0.32	DNQ	µg/L	0.25	2.27
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Lead	0.27	=	µg/L	0.25	1.91
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Methomyl	0.06	DNQ	µg/L	0.25	0.42
Deadman Creek @ Hwy 59	FD	6/24/08	12:00	Methomyl	0.06	DNQ	µg/L	0.25	0.42

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Deadman Creek @ Hwy 59	E	6/24/08	12:00	Nickel	3.6	=	µg/L	0.25	25.49
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Nitrite as N	0.006	DNQ	mg/L	0.25	0.04
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Nitrogen, Total Kjeldahl	1	=	mg/L	0.25	7.08
Deadman Creek @ Hwy 59	E	6/24/08	12:00	OrthoPhosphate as P	0.2	=	mg/L	0.25	1.42
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Paraquat dichloride	1.5	=	µg/L	0.25	10.62
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Phosphate as P	0.29	=	mg/L	0.25	2.05
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Selenium	0.86	DNQ	µg/L	0.25	6.09
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Simazine	1.6	=	µg/L	0.25	11.33
Deadman Creek @ Hwy 59	FD	6/24/08	12:00	Simazine	1.8	=	µg/L	0.25	12.74
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Total Organic Carbon	7.4	=	mg/L	0.25	52.39
Deadman Creek @ Hwy 59	E	6/24/08	12:00	Zinc	4	=	µg/L	0.25	28.32
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Arsenic	9.8	=	µg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Boron	37	=	µg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Copper	2.8	=	µg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Dissolved Solids	350	=	mg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Lead	0.45	=	µg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Nickel	4.1	=	µg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Nitrate as N	0.042	DNQ	mg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Nitrite as N	0.006	DNQ	mg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Nitrogen, Total Kjeldahl	0.82	=	mg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	OrthoPhosphate as P	0.076	=	mg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Phosphate as P	0.18	=	mg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Selenium	0.58	DNQ	µg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Total Organic Carbon	6.3	=	mg/L	0.00	0.00
Deadman Creek @ Hwy 59	E	7/29/08	12:30	Zinc	5	=	µg/L	0.00	0.00
Deadman Creek @ Hwy 59	MPM	8/5/08	12:00	Chlorpyrifos	0.14	=	µg/L	0.08	0.32
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Arsenic	11	=	µg/L	0.55	171.32
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Boron	36	=	µg/L	0.55	560.68
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Chlorpyrifos	0.015	DNQ	µg/L	0.55	0.23
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Copper	2.1	=	µg/L	0.55	32.71
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Dissolved Solids	390	=	mg/L	0.55	6074.00
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Lead	0.25	DNQ	µg/L	0.55	3.89
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Nickel	1.9	=	µg/L	0.55	29.59
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Nitrite as N	0.003	DNQ	mg/L	0.55	0.05
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Nitrogen, Total Kjeldahl	0.46	=	mg/L	0.55	7.16
Deadman Creek @ Hwy 59	E	8/26/08	11:40	OrthoPhosphate as P	0.016	=	mg/L	0.55	0.25

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Deadman Creek @ Hwy 59	E	8/26/08	11:40	Phosphate as P	0.069	=	mg/L	0.55	1.07
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Selenium	0.54	DNQ	µg/L	0.55	8.41
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Total Organic Carbon	4.5	=	mg/L	0.55	70.08
Deadman Creek @ Hwy 59	E	8/26/08	11:40	Zinc	5	=	µg/L	0.55	77.87
Deadman Creek @ Hwy 59	MPM	9/9/08	11:20	Chlorpyrifos	0.069	=	µg/L	3.02	5.90
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Arsenic	13	=	µg/L	1.01	371.80
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Boron	34	=	µg/L	1.01	972.41
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Chlorpyrifos	0.015	DNQ	µg/L	1.01	0.43
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Copper	3.4	=	µg/L	1.01	97.24
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Dissolved Solids	350	=	mg/L	1.01	10010.06
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Lead	0.44	=	µg/L	1.01	12.58
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Nickel	3.7	=	µg/L	1.01	105.82
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Nitrate as N	0.11	=	mg/L	1.01	3.15
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Nitrite as N	0.006	DNQ	mg/L	1.01	0.17
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Nitrogen, Total Kjeldahl	0.59	=	mg/L	1.01	16.87
Deadman Creek @ Hwy 59	E	9/30/08	12:20	OrthoPhosphate as P	0.06	=	mg/L	1.01	1.72
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Phosphate as P	0.13	=	mg/L	1.01	3.72
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Selenium	0.35	DNQ	µg/L	1.01	10.01
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Total Organic Carbon	2.8	=	mg/L	1.01	80.08
Deadman Creek @ Hwy 59	E	9/30/08	12:20	Zinc	7	=	µg/L	1.01	200.20
Dry Creek @ Rd 18	FD	4/29/08	12:00	Ammonia as N	0.055	DNQ	mg/L	5.20	8.10
Dry Creek @ Rd 18	FD	4/29/08	12:00	Arsenic	1.8	=	µg/L	5.20	265.05
Dry Creek @ Rd 18	E	4/29/08	12:00	Arsenic	1.8	=	µg/L	5.20	265.05
Dry Creek @ Rd 18	FD	4/29/08	12:00	Boron	31	=	µg/L	5.20	4564.70
Dry Creek @ Rd 18	E	4/29/08	12:00	Boron	31	=	µg/L	5.20	4564.70
Dry Creek @ Rd 18	E	4/29/08	12:00	Copper	6.8	=	µg/L	5.20	1001.29
Dry Creek @ Rd 18	FD	4/29/08	12:00	Copper	6.9	=	µg/L	5.20	1016.01
Dry Creek @ Rd 18	FD	4/29/08	12:00	Dissolved Solids	47	=	mg/L	5.20	6920.67
Dry Creek @ Rd 18	FD	4/29/08	12:00	Diuron	0.36	DNQ	µg/L	5.20	53.01
Dry Creek @ Rd 18	E	4/29/08	12:00	Diuron	0.37	DNQ	µg/L	5.20	54.48
Dry Creek @ Rd 18	FD	4/29/08	12:00	Lead	0.2	DNQ	µg/L	5.20	29.45
Dry Creek @ Rd 18	E	4/29/08	12:00	Lead	0.2	DNQ	µg/L	5.20	29.45
Dry Creek @ Rd 18	FD	4/29/08	12:00	Nickel	0.5	=	µg/L	5.20	73.62
Dry Creek @ Rd 18	E	4/29/08	12:00	Nickel	0.5	=	µg/L	5.20	73.62
Dry Creek @ Rd 18	FD	4/29/08	12:00	Nitrogen, Total Kjeldahl	0.43	=	mg/L	5.20	63.32
Dry Creek @ Rd 18	E	4/29/08	12:00	Nitrogen, Total Kjeldahl	0.32	=	mg/L	5.20	47.12

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Dry Creek @ Rd 18	FD	4/29/08	12:00	Phosphate as P	0.051	=	mg/L	5.20	7.51
Dry Creek @ Rd 18	E	4/29/08	12:00	Phosphate as P	0.041	=	mg/L	5.20	6.04
Dry Creek @ Rd 18	FD	4/29/08	12:00	Selenium	0.28	DNQ	µg/L	5.20	41.23
Dry Creek @ Rd 18	E	4/29/08	12:00	Selenium	0.14	DNQ	µg/L	5.20	20.61
Dry Creek @ Rd 18	FD	4/29/08	12:00	Total Organic Carbon	5	=	mg/L	5.20	736.24
Dry Creek @ Rd 18	E	4/29/08	12:00	Total Organic Carbon	4.5	=	mg/L	5.20	662.62
Dry Creek @ Rd 18	FD	4/29/08	12:00	Zinc	3	=	µg/L	5.20	441.75
Dry Creek @ Rd 18	E	4/29/08	12:00	Zinc	3	=	µg/L	5.20	441.75
Dry Creek @ Rd 18	E	5/27/08	12:30	Arsenic	1.8	=	µg/L	16.26	828.78
Dry Creek @ Rd 18	E	5/27/08	12:30	Boron	36	=	µg/L	16.26	16575.64
Dry Creek @ Rd 18	E	5/27/08	12:30	Copper	5	=	µg/L	16.26	2302.17
Dry Creek @ Rd 18	E	5/27/08	12:30	Cyanazine	0.82	=	µg/L	16.26	377.56
Dry Creek @ Rd 18	E	5/27/08	12:30	Dissolved Solids	33	=	mg/L	16.26	15194.34
Dry Creek @ Rd 18	E	5/27/08	12:30	Lead	0.2	DNQ	µg/L	16.26	92.09
Dry Creek @ Rd 18	E	5/27/08	12:30	Nickel	0.4	DNQ	µg/L	16.26	184.17
Dry Creek @ Rd 18	E	5/27/08	12:30	Nitrogen, Total Kjeldahl	0.066	DNQ	mg/L	16.26	30.39
Dry Creek @ Rd 18	E	5/27/08	12:30	Phosphate as P	0.04	=	mg/L	16.26	18.42
Dry Creek @ Rd 18	E	5/27/08	12:30	Selenium	0.25	DNQ	µg/L	16.26	115.11
Dry Creek @ Rd 18	E	5/27/08	12:30	Simazine	0.67	=	µg/L	16.26	308.49
Dry Creek @ Rd 18	E	5/27/08	12:30	Total Organic Carbon	2.7	=	mg/L	16.26	1243.17
Dry Creek @ Rd 18	E	5/27/08	12:30	Zinc	2	=	µg/L	16.26	920.87
Dry Creek @ Rd 18	E	6/24/08	11:30	Arsenic	1.5	=	µg/L	7.47	317.29
Dry Creek @ Rd 18	E	6/24/08	11:30	Boron	19	=	µg/L	7.47	4019.03
Dry Creek @ Rd 18	E	6/24/08	11:30	Copper	4	=	µg/L	7.47	846.11
Dry Creek @ Rd 18	E	6/24/08	11:30	Dissolved Solids	22	=	mg/L	7.47	4653.62
Dry Creek @ Rd 18	E	6/24/08	11:30	Glyphosate	11	=	µg/L	7.47	2326.81
Dry Creek @ Rd 18	E	6/24/08	11:30	Lead	0.12	DNQ	µg/L	7.47	25.38
Dry Creek @ Rd 18	E	6/24/08	11:30	Nickel	0.3	DNQ	µg/L	7.47	63.46
Dry Creek @ Rd 18	E	6/24/08	11:30	Phosphate as P	0.032	=	mg/L	7.47	6.77
Dry Creek @ Rd 18	E	6/24/08	11:30	Selenium	0.56	DNQ	µg/L	7.47	118.46
Dry Creek @ Rd 18	E	6/24/08	11:30	Total Organic Carbon	3	=	mg/L	7.47	634.58
Dry Creek @ Rd 18	E	6/24/08	11:30	Zinc	2	=	µg/L	7.47	423.06
Dry Creek @ Rd 18	E	7/29/08	15:30	Arsenic	1.3	=	µg/L	44.11	1623.78
Dry Creek @ Rd 18	E	7/29/08	15:30	Boron	14	=	µg/L	44.11	17486.88
Dry Creek @ Rd 18	E	7/29/08	15:30	Copper	5.9	=	µg/L	44.11	7369.47
Dry Creek @ Rd 18	E	7/29/08	15:30	Dissolved Solids	21	=	mg/L	44.11	26230.32

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Dry Creek @ Rd 18	E	7/29/08	15:30	Lead	0.15	DNQ	µg/L	44.11	187.36
Dry Creek @ Rd 18	E	7/29/08	15:30	Nickel	0.3	DNQ	µg/L	44.11	374.72
Dry Creek @ Rd 18	E	7/29/08	15:30	Phosphate as P	0.022	=	mg/L	44.11	27.48
Dry Creek @ Rd 18	E	7/29/08	15:30	Total Organic Carbon	2.4	=	mg/L	44.11	2997.75
Dry Creek @ Rd 18	E	7/29/08	15:30	Zinc	3	=	µg/L	44.11	3747.19
Dry Creek @ Rd 18	E	8/26/08	12:30	Arsenic	1.4	=	µg/L	14.86	589.11
Dry Creek @ Rd 18	FD	8/26/08	12:30	Arsenic	1.4	=	µg/L	14.86	589.11
Dry Creek @ Rd 18	E	8/26/08	12:30	Boron	13	=	µg/L	14.86	5470.28
Dry Creek @ Rd 18	FD	8/26/08	12:30	Boron	13	=	µg/L	14.86	5470.28
Dry Creek @ Rd 18	FD	8/26/08	12:30	Copper	4.8	=	µg/L	14.86	2019.79
Dry Creek @ Rd 18	E	8/26/08	12:30	Copper	5.1	=	µg/L	14.86	2146.03
Dry Creek @ Rd 18	E	8/26/08	12:30	Dissolved Solids	19	=	mg/L	14.86	7995.02
Dry Creek @ Rd 18	FD	8/26/08	12:30	Dissolved Solids	26	=	mg/L	14.86	10940.56
Dry Creek @ Rd 18	FD	8/26/08	12:30	Lead	0.3	=	µg/L	14.86	126.24
Dry Creek @ Rd 18	E	8/26/08	12:30	Lead	0.36	=	µg/L	14.86	151.48
Dry Creek @ Rd 18	E	8/26/08	12:30	Nickel	0.5	DNQ	µg/L	14.86	210.40
Dry Creek @ Rd 18	FD	8/26/08	12:30	Nickel	0.4	DNQ	µg/L	14.86	168.32
Dry Creek @ Rd 18	E	8/26/08	12:30	Nitrogen, Total Kjeldahl	0.24	=	mg/L	14.86	100.99
Dry Creek @ Rd 18	FD	8/26/08	12:30	Nitrogen, Total Kjeldahl	0.2	=	mg/L	14.86	84.16
Dry Creek @ Rd 18	E	8/26/08	12:30	Phosphate as P	0.043	=	mg/L	14.86	18.09
Dry Creek @ Rd 18	FD	8/26/08	12:30	Phosphate as P	0.043	=	mg/L	14.86	18.09
Dry Creek @ Rd 18	E	8/26/08	12:30	Selenium	0.33	DNQ	µg/L	14.86	138.86
Dry Creek @ Rd 18	FD	8/26/08	12:30	Selenium	0.14	DNQ	µg/L	14.86	58.91
Dry Creek @ Rd 18	E	8/26/08	12:30	Total Organic Carbon	2.7	=	mg/L	14.86	1136.13
Dry Creek @ Rd 18	FD	8/26/08	12:30	Total Organic Carbon	2.4	=	mg/L	14.86	1009.90
Dry Creek @ Rd 18	E	8/26/08	12:30	Zinc	3	=	µg/L	14.86	1262.37
Dry Creek @ Rd 18	FD	8/26/08	12:30	Zinc	8	=	µg/L	14.86	3366.32
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Ammonia as N	0.21	=	mg/L	39.80	236.67
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Arsenic	1.1	=	µg/L	39.80	1239.72
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Boron	21	=	µg/L	39.80	23667.35
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Cadmium	0.02	DNQ	µg/L	39.80	22.54
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Copper	4.7	=	µg/L	39.80	5296.98
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Dissolved Solids	94	=	mg/L	39.80	105939.56
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Diuron	0.2	DNQ	µg/L	39.80	225.40
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Lead	0.67	=	µg/L	39.80	755.10
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Nickel	2.6	=	µg/L	39.80	2930.24

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Nitrate as N	0.27	=	mg/L	39.80	304.29
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Nitrite as N	0.025	DNQ	mg/L	39.80	28.18
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Nitrogen, Total Kjeldahl	1.2	=	mg/L	39.80	1352.42
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	OrthoPhosphate as P	0.68	=	mg/L	39.80	766.37
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Phosphate as P	0.8	=	mg/L	39.80	901.61
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Total Organic Carbon	9.7	=	mg/L	39.80	10932.06
Dry Creek @ Wellsford Rd	E	4/22/08	8:40	Zinc	7	=	µg/L	39.80	7889.12
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Ammonia as N	0.099	DNQ	mg/L	38.30	107.37
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Arsenic	1.5	=	µg/L	38.30	1626.81
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Boron	20	=	µg/L	38.30	21690.82
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Copper	3.8	=	µg/L	38.30	4121.26
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Dissolved Solids	92	=	mg/L	38.30	99777.78
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Lead	0.83	=	µg/L	38.30	900.17
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Nickel	2.4	=	µg/L	38.30	2602.90
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Nitrate as N	0.2	=	mg/L	38.30	216.91
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Nitrite as N	0.027	DNQ	mg/L	38.30	29.28
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Nitrogen, Total Kjeldahl	0.91	=	mg/L	38.30	986.93
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	OrthoPhosphate as P	0.58	=	mg/L	38.30	629.03
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Phosphate as P	0.66	=	mg/L	38.30	715.80
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Selenium	0.96	DNQ	µg/L	38.30	1041.16
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Simazine	0.25	DNQ	µg/L	38.30	271.14
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Total Organic Carbon	7	=	mg/L	38.30	7591.79
Dry Creek @ Wellsford Rd	E	5/20/08	8:40	Zinc	6	=	µg/L	38.30	6507.25
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Ammonia as N	0.3	=	mg/L	38.94	330.80
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Arsenic	1.2	=	µg/L	38.94	1323.20
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Boron	19	=	µg/L	38.94	20950.62
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Copper	3.7	=	µg/L	38.94	4079.86
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Dissolved Solids	94	=	mg/L	38.94	103650.41
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Lead	0.69	=	µg/L	38.94	760.84
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Nickel	2.5	=	µg/L	38.94	2756.66
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Nitrate as N	0.14	=	mg/L	38.94	154.37
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Nitrite as N	0.022	DNQ	mg/L	38.94	24.26
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Nitrogen, Total Kjeldahl	1.3	=	mg/L	38.94	1433.46
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	OrthoPhosphate as P	0.66	=	mg/L	38.94	727.76
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Phosphate as P	0.75	=	mg/L	38.94	827.00
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Selenium	0.7	DNQ	µg/L	38.94	771.86

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Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Simazine	0.084	DNQ	µg/L	38.94	92.62
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Total Organic Carbon	7.8	=	mg/L	38.94	8600.78
Dry Creek @ Wellsford Rd	E	6/17/08	9:00	Zinc	7	=	µg/L	38.94	7718.65
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Ammonia as N	0.16	=	mg/L	63.22	286.43
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Arsenic	1.3	=	µg/L	63.22	2327.26
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Boron	20	=	µg/L	63.22	35804.01
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Chlorpyrifos	0.03	=	µg/L	63.22	53.71
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Copper	3.2	=	µg/L	63.22	5728.64
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Dimethoate	0.28	=	µg/L	63.22	501.26
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Dissolved Solids	100	=	mg/L	63.22	179020.07
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Lead	0.42	=	µg/L	63.22	751.88
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Nickel	2.1	=	µg/L	63.22	3759.42
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Nitrate as N	0.14	=	mg/L	63.22	250.63
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Nitrite as N	0.019	DNQ	mg/L	63.22	34.01
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Nitrogen, Total Kjeldahl	1.5	=	mg/L	63.22	2685.30
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	OrthoPhosphate as P	0.71	=	mg/L	63.22	1271.04
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Phosphate as P	0.75	=	mg/L	63.22	1342.65
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Selenium	0.23	DNQ	µg/L	63.22	411.75
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Total Organic Carbon	8.5	=	mg/L	63.22	15216.71
Dry Creek @ Wellsford Rd	E	7/22/08	8:40	Zinc	10	=	µg/L	63.22	17902.01
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Ammonia as N	0.077	DNQ	mg/L	52.75	115.02
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Arsenic	1.2	=	µg/L	52.75	1792.47
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Boron	18	=	µg/L	52.75	26886.99
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Copper	5.3	=	µg/L	52.75	7916.73
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Dimethoate	0.25	=	µg/L	52.75	373.43
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Dissolved Solids	95	=	mg/L	52.75	141903.57
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Lead	0.6	=	µg/L	52.75	896.23
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Nickel	2.4	=	µg/L	52.75	3584.93
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Nitrate as N	0.2	=	mg/L	52.75	298.74
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Nitrite as N	0.025	DNQ	mg/L	52.75	37.34
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Nitrogen, Total Kjeldahl	0.97	=	mg/L	52.75	1448.91
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	OrthoPhosphate as P	0.57	=	mg/L	52.75	851.42
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Phosphate as P	0.62	=	mg/L	52.75	926.11
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Total Organic Carbon	5.8	=	mg/L	52.75	8663.59
Dry Creek @ Wellsford Rd	E	8/19/08	8:40	Zinc	7	=	µg/L	52.75	10456.05
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Ammonia as N	0.15	=	mg/L	33.48	142.21

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Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Arsenic	1	=	µg/L	33.48	948.05
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Boron	20	=	µg/L	33.48	18961.06
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Copper	2.3	=	µg/L	33.48	2180.52
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Dissolved Solids	110	=	mg/L	33.48	104285.85
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Lead	0.28	=	µg/L	33.48	265.45
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Nickel	1.7	=	µg/L	33.48	1611.69
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Nitrate as N	0.21	=	mg/L	33.48	199.09
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Nitrite as N	0.022	DNQ	mg/L	33.48	20.86
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Nitrogen, Total Kjeldahl	0.86	=	mg/L	33.48	815.33
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	OrthoPhosphate as P	0.52	=	mg/L	33.48	492.99
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Phosphate as P	0.58	=	mg/L	33.48	549.87
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Total Organic Carbon	6.6	=	mg/L	33.48	6257.15
Dry Creek @ Wellsford Rd	E	9/23/08	8:30	Zinc	4	=	µg/L	33.48	3792.21
Dry Creek at Road 22	MPM	7/29/08	16:20	Copper	7	=	µg/L	0.00	0.00
Dry Creek at Waterford	MPM	8/19/08	9:50	Chlorpyrifos	0.023	=	µg/L	24.24	15.79
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Ammonia as N	0.14	=	mg/L	0.56	2.22
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Arsenic	2.3	=	µg/L	0.56	36.47
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Boron	18	=	µg/L	0.56	285.44
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Carbofuran	0.05	DNQ	µg/L	0.56	0.79
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Copper	2.7	=	µg/L	0.56	42.82
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Dissolved Solids	160	=	mg/L	0.56	2537.20
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Diuron	0.32	DNQ	µg/L	0.56	5.07
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Lead	0.38	=	µg/L	0.56	6.03
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Nickel	2.1	=	µg/L	0.56	33.30
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Nitrate as N	0.56	=	mg/L	0.56	8.88
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Nitrite as N	0.032	=	mg/L	0.56	0.51
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Nitrogen, Total Kjeldahl	0.46	=	mg/L	0.56	7.29
Duck Slough @ Gurr Rd	E	4/29/08	12:00	OrthoPhosphate as P	0.12	=	mg/L	0.56	1.90
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Phosphate as P	0.17	=	mg/L	0.56	2.70
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Selenium	0.38	DNQ	µg/L	0.56	6.03
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Total Organic Carbon	3.8	=	mg/L	0.56	60.26
Duck Slough @ Gurr Rd	E	4/29/08	12:00	Zinc	4	=	µg/L	0.56	63.43
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Ammonia as N	0.16	=	mg/L	0.43	1.95
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Ammonia as N	0.2	=	mg/L	0.43	2.44
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Arsenic	3.5	=	µg/L	0.43	42.62
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Arsenic	3.4	=	µg/L	0.43	41.40

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Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Boron	38	=	µg/L	0.43	462.70
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Boron	37	=	µg/L	0.43	450.52
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Cadmium	0.06	DNQ	µg/L	0.43	0.73
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Copper	7.3	=	µg/L	0.43	88.89
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Copper	7.1	=	µg/L	0.43	86.45
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Dissolved Solids	170	=	mg/L	0.43	2069.97
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Dissolved Solids	170	=	mg/L	0.43	2069.97
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Diuron	0.2	DNQ	µg/L	0.43	2.44
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Diuron	0.22	DNQ	µg/L	0.43	2.68
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Glyphosate	10	<	µg/L	0.43	121.76
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Lead	0.95	=	µg/L	0.43	11.57
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Lead	0.95	=	µg/L	0.43	11.57
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Nickel	5.5	=	µg/L	0.43	66.97
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Nickel	5.4	=	µg/L	0.43	65.75
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Nitrate as N	1.7	=	mg/L	0.43	20.70
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Nitrate as N	1.7	=	mg/L	0.43	20.70
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Nitrite as N	0.04	=	mg/L	0.43	0.49
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Nitrite as N	0.04	=	mg/L	0.43	0.49
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Nitrogen, Total Kjeldahl	0.91	=	mg/L	0.43	11.08
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Nitrogen, Total Kjeldahl	0.97	=	mg/L	0.43	11.81
Duck Slough @ Gurr Rd	E	5/27/08	10:40	OrthoPhosphate as P	0.58	=	mg/L	0.43	7.06
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	OrthoPhosphate as P	0.58	=	mg/L	0.43	7.06
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Phosphate as P	0.61	=	mg/L	0.43	7.43
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Phosphate as P	0.6	=	mg/L	0.43	7.31
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Selenium	1	DNQ	µg/L	0.43	12.18
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Selenium	0.95	DNQ	µg/L	0.43	11.57
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Simazine	0.74	=	µg/L	0.43	9.01
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Simazine	0.74	=	µg/L	0.43	9.01
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Total Organic Carbon	5	=	mg/L	0.43	60.88
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Total Organic Carbon	5	=	mg/L	0.43	60.88
Duck Slough @ Gurr Rd	FD	5/27/08	10:40	Zinc	10	=	µg/L	0.43	121.76
Duck Slough @ Gurr Rd	E	5/27/08	10:40	Zinc	10	=	µg/L	0.43	121.76
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Arsenic	1.2	=	µg/L	0.65	22.09
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Boron	11	=	µg/L	0.65	202.47
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Copper	4	=	µg/L	0.65	73.62
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Dissolved Solids	54	=	mg/L	0.65	993.93

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Lead	0.95	=	µg/L	0.65	17.49
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Nickel	3	=	µg/L	0.65	55.22
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Nitrate as N	0.31	=	mg/L	0.65	5.71
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Nitrite as N	0.018	DNQ	mg/L	0.65	0.33
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Nitrogen, Total Kjeldahl	0.36	=	mg/L	0.65	6.63
Duck Slough @ Gurr Rd	E	6/24/08	10:10	OrthoPhosphate as P	0.057	=	mg/L	0.65	1.05
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Phosphate as P	0.12	=	mg/L	0.65	2.21
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Selenium	0.62	DNQ	µg/L	0.65	11.41
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Total Organic Carbon	2.6	=	mg/L	0.65	47.86
Duck Slough @ Gurr Rd	E	6/24/08	10:10	Zinc	8	=	µg/L	0.65	147.25
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Arsenic	2.8	=	µg/L	0.40	31.72
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Boron	28	=	µg/L	0.40	317.15
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Chlorpyrifos	0.011	DNQ	µg/L	0.40	0.12
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Copper	5.4	=	µg/L	0.40	61.16
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Dissolved Solids	110	=	mg/L	0.40	1245.95
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Lead	1.1	=	µg/L	0.40	12.46
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Nickel	4.8	=	µg/L	0.40	54.37
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Nitrate as N	0.41	=	mg/L	0.40	4.64
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Nitrite as N	0.016	DNQ	mg/L	0.40	0.18
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Nitrogen, Total Kjeldahl	0.56	=	mg/L	0.40	6.34
Duck Slough @ Gurr Rd	E	7/29/08	11:00	OrthoPhosphate as P	0.47	=	mg/L	0.40	5.32
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Phosphate as P	0.55	=	mg/L	0.40	6.23
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Selenium	0.36	DNQ	µg/L	0.40	4.08
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Total Organic Carbon	4.2	=	mg/L	0.40	47.57
Duck Slough @ Gurr Rd	E	7/29/08	11:00	Zinc	12	=	µg/L	0.40	135.92
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Arsenic	1.9	=	µg/L	1.10	59.18
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Boron	16	=	µg/L	1.10	498.38
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Copper	3.5	=	µg/L	1.10	109.02
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Dissolved Solids	100	=	mg/L	1.10	3114.87
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Lead	1.1	=	µg/L	1.10	34.26
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Nickel	2.4	=	µg/L	1.10	74.76
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Nitrate as N	0.59	=	mg/L	1.10	18.38
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Nitrite as N	0.011	DNQ	mg/L	1.10	0.34
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Nitrogen, Total Kjeldahl	0.48	=	mg/L	1.10	14.95
Duck Slough @ Gurr Rd	E	8/26/08	9:30	OrthoPhosphate as P	0.081	=	mg/L	1.10	2.52
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Phosphate as P	0.16	=	mg/L	1.10	4.98

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Duck Slough @ Gurr Rd	E	8/26/08	9:30	Selenium	0.39	DNQ	µg/L	1.10	12.15
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Total Organic Carbon	2.3	=	mg/L	1.10	71.64
Duck Slough @ Gurr Rd	E	8/26/08	9:30	Zinc	6	=	µg/L	1.10	186.89
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Arsenic	2.3	=	µg/L	0.21	13.68
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Boron	16	=	µg/L	0.21	95.15
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Copper	6.1	=	µg/L	0.21	36.27
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Dissolved Solids	150	=	mg/L	0.21	891.99
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Lead	1.5	=	µg/L	0.21	8.92
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Nickel	4.7	=	µg/L	0.21	27.95
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Nitrate as N	1.1	=	mg/L	0.21	6.54
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Nitrite as N	0.015	DNQ	mg/L	0.21	0.09
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Nitrogen, Total Kjeldahl	0.81	=	mg/L	0.21	4.82
Duck Slough @ Gurr Rd	E	9/30/08	9:10	OrthoPhosphate as P	0.062	=	mg/L	0.21	0.37
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Phosphate as P	0.17	=	mg/L	0.21	1.01
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Selenium	0.21	DNQ	µg/L	0.21	1.25
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Total Organic Carbon	3.6	=	mg/L	0.21	21.41
Duck Slough @ Gurr Rd	E	9/30/08	9:10	Zinc	10	=	µg/L	0.21	59.47
Duck Slough @ Hwy 59	MPM	6/24/08	13:20	Copper	12	=	µg/L	0.64	217.47
Duck Slough @ Hwy 59	MPM	7/29/08	13:40	Copper	18	=	µg/L	0.47	239.56
Duck Slough @ Whealan Rd	MPM	4/29/08	16:40	Copper	3.5	=	µg/L	5.73	567.90
Duck Slough @ Whealan Rd	MPM	6/24/08	14:20	Copper	73	=	µg/L	22.15	45787.17
Duck Slough @ Whealan Rd	MPM	7/29/08	18:20	Chlorpyrifos	0.0081	DNQ	µg/L	18.73	4.30
Duck Slough @ Whealan Rd	MPM	7/29/08	18:20	Copper	3	=	µg/L	18.73	1591.13
Duck Slough @ Whealan Rd	MPM	8/26/08	15:20	Copper	3.4	=	µg/L	21.60	2079.60
Duck Slough @ Whealan Rd	MPM	9/30/08	15:20	Copper	3.7	=	µg/L	7.56	792.08
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Ammonia as N	0.19	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Ammonia as N	0.36	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Arsenic	17	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Arsenic	17	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Boron	180	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Boron	170	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Cadmium	0.07	DNQ	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Cadmium	0.07	DNQ	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Copper	7.8	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Copper	7.8	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	DDT (p,p')	0.023	=	µg/L	0.00	0.00

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Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Dissolved Solids	830	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Dissolved Solids	880	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Lead	4	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Lead	3.9	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Nickel	6.4	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Nickel	7	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Nitrate as N	20	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Nitrate as N	20	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Nitrite as N	0.61	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Nitrite as N	0.6	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Nitrogen, Total Kjeldahl	1.3	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Nitrogen, Total Kjeldahl	3.6	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	OrthoPhosphate as P	0.42	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	OrthoPhosphate as P	0.43	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Phosphate as P	0.5	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Phosphate as P	0.89	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Selenium	0.49	DNQ	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Selenium	0.64	DNQ	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Total Organic Carbon	14	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Total Organic Carbon	14	=	mg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	FD	4/22/08	9:30	Zinc	30	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	4/22/08	9:30	Zinc	29	=	µg/L	0.00	0.00
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Ammonia as N	0.22	=	mg/L	0.25	1.56
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Arsenic	18	=	µg/L	0.25	127.43
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Boron	180	=	µg/L	0.25	1274.27
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Copper	4.2	=	µg/L	0.25	29.73
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Cyanazine	0.28	DNQ	µg/L	0.25	1.98
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Dissolved Solids	960	=	mg/L	0.25	6796.08
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Lead	0.04	DNQ	µg/L	0.25	0.28
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Nickel	4.3	=	µg/L	0.25	30.44
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Nitrate as N	18	=	mg/L	0.25	127.43
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Nitrite as N	0.82	=	mg/L	0.25	5.80
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Nitrogen, Total Kjeldahl	1.3	=	mg/L	0.25	9.20
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	OrthoPhosphate as P	0.42	=	mg/L	0.25	2.97
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Phosphate as P	0.44	=	mg/L	0.25	3.11
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Selenium	1.3	=	µg/L	0.25	9.20

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Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Total Organic Carbon	13	=	mg/L	0.25	92.03
Hatch Drain @ Tuolumne Rd	E	5/20/08	10:50	Zinc	4	=	µg/L	0.25	28.32
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Ammonia as N	0.2	=	mg/L	0.27	1.53
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Arsenic	17	=	µg/L	0.27	129.98
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Boron	180	=	µg/L	0.27	1376.21
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Copper	3.8	=	µg/L	0.27	29.05
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Dissolved Solids	930	=	mg/L	0.27	7110.40
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Lead	0.05	DNQ	µg/L	0.27	0.38
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Nickel	4.1	=	µg/L	0.27	31.35
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Nitrate as N	18	=	mg/L	0.27	137.62
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Nitrite as N	0.7	=	mg/L	0.27	5.35
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Nitrogen, Total Kjeldahl	1.4	=	mg/L	0.27	10.70
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	OrthoPhosphate as P	0.47	=	mg/L	0.27	3.59
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Phosphate as P	0.49	=	mg/L	0.27	3.75
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Selenium	1.1	=	µg/L	0.27	8.41
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Total Organic Carbon	12	=	mg/L	0.27	91.75
Hatch Drain @ Tuolumne Rd	E	6/17/08	10:10	Zinc	3	=	µg/L	0.27	22.94
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Arsenic	19	=	µg/L	0.37	199.07
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Boron	170	=	µg/L	0.37	1781.14
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Copper	7.5	=	µg/L	0.37	78.58
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Dissolved Solids	900	=	mg/L	0.37	9429.56
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Lead	3.8	=	µg/L	0.37	39.81
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Nickel	7.4	=	µg/L	0.37	77.53
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Nitrate as N	27	=	mg/L	0.37	282.89
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Nitrite as N	0.68	=	mg/L	0.37	7.12
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Nitrogen, Total Kjeldahl	1.9	=	mg/L	0.37	19.91
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	OrthoPhosphate as P	0.48	=	mg/L	0.37	5.03
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Phosphate as P	0.72	=	mg/L	0.37	7.54
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Selenium	0.22	DNQ	µg/L	0.37	2.31
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Total Organic Carbon	12	=	mg/L	0.37	125.73
Hatch Drain @ Tuolumne Rd	E	7/22/08	9:50	Zinc	28	=	µg/L	0.37	293.36
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Ammonia as N	1.5	=	mg/L	0.37	15.72
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Arsenic	17	=	µg/L	0.37	178.11
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Boron	210	=	µg/L	0.37	2200.23
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Copper	3.8	=	µg/L	0.37	39.81
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Dissolved Solids	900	=	mg/L	0.37	9429.56

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Lead	0.04	DNQ	µg/L	0.37	0.42
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Nickel	4	=	µg/L	0.37	41.91
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Nitrate as N	15	=	mg/L	0.37	157.16
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Nitrite as N	0.54	=	mg/L	0.37	5.66
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Nitrogen, Total Kjeldahl	2.9	=	mg/L	0.37	30.38
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	OrthoPhosphate as P	0.48	=	mg/L	0.37	5.03
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Phosphate as P	0.51	=	mg/L	0.37	5.34
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Total Organic Carbon	21	=	mg/L	0.37	220.02
Hatch Drain @ Tuolumne Rd	E	8/19/08	10:30	Zinc	4	=	µg/L	0.37	41.91
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Ammonia as N	0.2	=	mg/L	0.26	1.47
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Arsenic	15	=	µg/L	0.26	110.44
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Boron	170	=	µg/L	0.26	1251.61
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Copper	3.8	=	µg/L	0.26	27.98
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Dissolved Solids	920	=	mg/L	0.26	6773.43
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Lead	0.13	DNQ	µg/L	0.26	0.96
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Nickel	4.9	=	µg/L	0.26	36.08
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Nitrate as N	17	=	mg/L	0.26	125.16
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Nitrite as N	0.58	=	mg/L	0.26	4.27
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Nitrogen, Total Kjeldahl	1.3	=	mg/L	0.26	9.57
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	OrthoPhosphate as P	0.37	=	mg/L	0.26	2.72
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Phosphate as P	0.42	=	mg/L	0.26	3.09
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Selenium	0.48	DNQ	µg/L	0.26	3.53
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Total Organic Carbon	11	=	mg/L	0.26	80.99
Hatch Drain @ Tuolumne Rd	E	9/23/08	10:10	Zinc	2	=	µg/L	0.26	14.72
Highline Canal @ Hwy 99	E	4/29/08	8:30	Copper	1.4	=	µg/L	34.66	1374.05
Highline Canal @ Hwy 99	E	5/20/08	13:40	Ammonia as N	0.055	DNQ	mg/L	81.42	126.81
Highline Canal @ Hwy 99	E	5/20/08	13:40	Arsenic	0.49	DNQ	µg/L	81.42	1129.73
Highline Canal @ Hwy 99	E	5/20/08	13:40	Boron	6	DNQ	µg/L	81.42	13833.42
Highline Canal @ Hwy 99	E	5/20/08	13:40	Copper	1.6	=	µg/L	81.42	3688.91
Highline Canal @ Hwy 99	E	5/20/08	13:40	Cyanazine	0.26	DNQ	µg/L	81.42	599.45
Highline Canal @ Hwy 99	E	5/20/08	13:40	Dissolved Solids	15	=	mg/L	81.42	34583.55
Highline Canal @ Hwy 99	E	5/20/08	13:40	Lead	0.48	=	µg/L	81.42	1106.67
Highline Canal @ Hwy 99	E	5/20/08	13:40	Nickel	1.1	=	µg/L	81.42	2536.13
Highline Canal @ Hwy 99	E	5/20/08	13:40	Nitrate as N	0.021	DNQ	mg/L	81.42	48.42
Highline Canal @ Hwy 99	E	5/20/08	13:40	Nitrogen, Total Kjeldahl	0.25	=	mg/L	81.42	576.39
Highline Canal @ Hwy 99	E	5/20/08	13:40	OrthoPhosphate as P	0.015	=	mg/L	81.42	34.58

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Highline Canal @ Hwy 99	E	5/20/08	13:40	Phosphate as P	0.05	=	mg/L	81.42	115.28
Highline Canal @ Hwy 99	E	5/20/08	13:40	Selenium	0.8	DNQ	µg/L	81.42	1844.46
Highline Canal @ Hwy 99	E	5/20/08	13:40	Total Organic Carbon	1.7	=	mg/L	81.42	3919.47
Highline Canal @ Hwy 99	E	5/20/08	13:40	Zinc	3	=	µg/L	81.42	6916.71
Highline Canal @ Hwy 99	MPM	6/3/08	11:10	Copper	1.5	=	µg/L	57.91	2459.76
Highline Canal @ Hwy 99	E	8/19/08	16:00	Arsenic	0.4	DNQ	µg/L	37.45	424.19
Highline Canal @ Hwy 99	E	8/19/08	16:00	Boron	5	DNQ	µg/L	37.45	5302.36
Highline Canal @ Hwy 99	E	8/19/08	16:00	Copper	1	=	µg/L	37.45	1060.47
Highline Canal @ Hwy 99	E	8/19/08	16:00	Dissolved Solids	25	=	mg/L	37.45	26511.79
Highline Canal @ Hwy 99	E	8/19/08	16:00	Lead	0.18	DNQ	µg/L	37.45	190.88
Highline Canal @ Hwy 99	E	8/19/08	16:00	Nickel	0.6	=	µg/L	37.45	636.28
Highline Canal @ Hwy 99	E	8/19/08	16:00	Nitrite as N	0.002	DNQ	mg/L	37.45	2.12
Highline Canal @ Hwy 99	E	8/19/08	16:00	Nitrogen, Total Kjeldahl	0.19	=	mg/L	37.45	201.49
Highline Canal @ Hwy 99	E	8/19/08	16:00	Phosphate as P	0.027	=	mg/L	37.45	28.63
Highline Canal @ Hwy 99	E	8/19/08	16:00	Total Organic Carbon	1.8	=	mg/L	37.45	1908.85
Highline Canal @ Hwy 99	E	8/19/08	16:00	Zinc	2	=	µg/L	37.45	2120.94
Highline Canal @ Lombardy Rd	MPM	5/7/08	11:00	Copper	1.7	=	µg/L	96.95	4667.07
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Arsenic	0.4	DNQ	µg/L	69.59	788.23
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Arsenic	0.4	DNQ	µg/L	69.59	788.23
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Boron	5	DNQ	µg/L	69.59	9852.90
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Boron	5	DNQ	µg/L	69.59	9852.90
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Chlorpyrifos	0.031	=	µg/L	69.59	61.09
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Copper	1.2	=	µg/L	69.59	2364.70
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Copper	3.3	=	µg/L	69.59	6502.91
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Diazinon	0.019	DNQ	µg/L	69.59	37.44
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Dissolved Solids	23	=	mg/L	69.59	45323.34
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Dissolved Solids	21	=	mg/L	69.59	41382.18
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Lead	0.27	=	µg/L	69.59	532.06
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Lead	0.23	DNQ	µg/L	69.59	453.23
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Malathion	0.14	=	µg/L	69.59	275.88
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Nickel	0.8	=	µg/L	69.59	1576.46
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Nickel	0.7	=	µg/L	69.59	1379.41
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Nitrate as N	0.011	DNQ	mg/L	69.59	21.68
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Nitrite as N	0.002	DNQ	mg/L	69.59	3.94
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Nitrogen, Total Kjeldahl	0.29	=	mg/L	69.59	571.47
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Nitrogen, Total Kjeldahl	0.33	=	mg/L	69.59	650.29

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Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Parathion, Methyl	0.18	=	µg/L	69.59	354.70
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Phosphate as P	0.036	=	mg/L	69.59	70.94
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Phosphate as P	0.021	=	mg/L	69.59	41.38
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Total Organic Carbon	1.8	=	mg/L	69.59	3547.04
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Total Organic Carbon	1.7	=	mg/L	69.59	3349.99
Highline Canal @ Lombardy Rd	E	8/19/08	14:10	Zinc	3	=	µg/L	69.59	5911.74
Highline Canal @ Lombardy Rd	FD	8/19/08	14:10	Zinc	3	=	µg/L	69.59	5911.74
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Ammonia as N	0.12	=	mg/L	2.11	7.17
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Arsenic	5	=	µg/L	2.11	298.74
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Boron	250	=	µg/L	2.11	14937.22
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Copper	4.6	=	µg/L	2.11	274.84
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Dissolved Solids	960	=	mg/L	2.11	57358.92
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Diuron	0.23	DNQ	µg/L	2.11	13.74
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Lead	0.12	DNQ	µg/L	2.11	7.17
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Nickel	4.6	=	µg/L	2.11	274.84
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Nitrate as N	6.7	=	mg/L	2.11	400.32
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Nitrite as N	0.099	=	mg/L	2.11	5.92
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Nitrogen, Total Kjeldahl	1.1	=	mg/L	2.11	65.72
Hilmar Drain @ Central Ave	E	4/22/08	15:20	OrthoPhosphate as P	0.42	=	mg/L	2.11	25.09
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Phosphate as P	0.51	=	mg/L	2.11	30.47
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Selenium	0.78	DNQ	µg/L	2.11	46.60
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Total Organic Carbon	10	=	mg/L	2.11	597.49
Hilmar Drain @ Central Ave	E	4/22/08	15:20	Zinc	3	=	µg/L	2.11	179.25
Hilmar Drain @ Central Ave	E	4/29/08	9:40	Diuron	3.4	=	µg/L	0.29	27.92
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Ammonia as N	0.16	=	mg/L	3.44	15.59
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Arsenic	4.7	=	µg/L	3.44	457.83
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Boron	160	=	µg/L	3.44	15585.68
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Copper	4.8	=	µg/L	3.44	467.57
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Dissolved Solids	680	=	mg/L	3.44	66239.13
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Lead	0.25	=	µg/L	3.44	24.35
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Nickel	3.1	=	µg/L	3.44	301.97
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Nitrate as N	20	=	mg/L	3.44	1948.21
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Nitrite as N	0.1	=	mg/L	3.44	9.74
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Nitrogen, Total Kjeldahl	1.1	=	mg/L	3.44	107.15
Hilmar Drain @ Central Ave	E	5/20/08	13:30	OrthoPhosphate as P	0.4	=	mg/L	3.44	38.96
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Phosphate as P	0.52	=	mg/L	3.44	50.65

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Hilmar Drain @ Central Ave	E	5/20/08	13:30	Selenium	1.2	=	µg/L	3.44	116.89
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Total Organic Carbon	6.8	=	mg/L	3.44	662.39
Hilmar Drain @ Central Ave	E	5/20/08	13:30	Zinc	3	=	µg/L	3.44	292.23
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Ammonia as N	0.23	=	mg/L	1.21	7.88
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Arsenic	6.4	=	µg/L	1.21	219.29
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Boron	190	=	µg/L	1.21	6510.08
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Carbaryl	1.3	=	µg/L	1.21	44.54
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Copper	6.6	=	µg/L	1.21	226.14
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Dissolved Solids	650	=	mg/L	1.21	22271.32
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Lead	0.79	=	µg/L	1.21	27.07
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Nickel	4.5	=	µg/L	1.21	154.19
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Nitrate as N	6.9	=	mg/L	1.21	236.42
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Nitrite as N	0.4	=	mg/L	1.21	13.71
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Nitrogen, Total Kjeldahl	1.8	=	mg/L	1.21	61.67
Hilmar Drain @ Central Ave	E	6/17/08	13:10	OrthoPhosphate as P	0.83	=	mg/L	1.21	28.44
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Phosphate as P	1.1	=	mg/L	1.21	37.69
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Selenium	1.1	=	µg/L	1.21	37.69
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Total Organic Carbon	9.2	=	mg/L	1.21	315.22
Hilmar Drain @ Central Ave	E	6/17/08	13:10	Zinc	9	=	µg/L	1.21	308.37
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Arsenic	4.3	=	µg/L	4.48	545.50
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Boron	180	=	µg/L	4.48	22834.83
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Copper	5.9	=	µg/L	4.48	748.47
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Dissolved Solids	710	=	mg/L	4.48	90070.71
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Lead	0.24	DNQ	µg/L	4.48	30.45
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Nickel	4.5	=	µg/L	4.48	570.87
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Nitrate as N	21	=	mg/L	4.48	2664.06
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Nitrite as N	0.084	=	mg/L	4.48	10.66
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Nitrogen, Total Kjeldahl	0.82	=	mg/L	4.48	104.03
Hilmar Drain @ Central Ave	E	7/22/08	12:10	OrthoPhosphate as P	0.36	=	mg/L	4.48	45.67
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Phosphate as P	0.42	=	mg/L	4.48	53.28
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Selenium	0.2	DNQ	µg/L	4.48	25.37
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Total Organic Carbon	11	=	mg/L	4.48	1395.46
Hilmar Drain @ Central Ave	E	7/22/08	12:10	Zinc	4	=	µg/L	4.48	507.44
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Arsenic	5	=	µg/L	2.03	287.42
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Boron	290	=	µg/L	2.03	16670.22
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Copper	4.4	=	µg/L	2.03	252.93

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Hilmar Drain @ Central Ave	E	8/19/08	12:30	DDE (p,p')	0.0056	DNQ	µg/L	2.03	0.32
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Dissolved Solids	1000	=	mg/L	2.03	57483.51
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Lead	0.19	DNQ	µg/L	2.03	10.92
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Nickel	4.5	=	µg/L	2.03	258.68
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Nitrate as N	7.1	=	mg/L	2.03	408.13
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Nitrite as N	0.13	=	mg/L	2.03	7.47
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Nitrogen, Total Kjeldahl	1.5	=	mg/L	2.03	86.23
Hilmar Drain @ Central Ave	E	8/19/08	12:30	OrthoPhosphate as P	0.34	=	mg/L	2.03	19.54
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Phosphate as P	0.38	=	mg/L	2.03	21.84
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Selenium	0.42	DNQ	µg/L	2.03	24.14
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Total Organic Carbon	11	=	mg/L	2.03	632.32
Hilmar Drain @ Central Ave	E	8/19/08	12:30	Zinc	4	=	µg/L	2.03	229.93
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Arsenic	5.5	=	µg/L	12.47	1942.12
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Arsenic	5.6	=	µg/L	12.47	1977.43
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Boron	120	=	µg/L	12.47	42373.56
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Boron	150	=	µg/L	12.47	52966.95
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Copper	5.7	=	µg/L	12.47	2012.74
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Copper	6.1	=	µg/L	12.47	2153.99
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Dissolved Solids	640	=	mg/L	12.47	225992.31
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Dissolved Solids	640	=	mg/L	12.47	225992.31
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Lead	0.12	DNQ	µg/L	12.47	42.37
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Lead	0.1	DNQ	µg/L	12.47	35.31
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Nickel	3.2	=	µg/L	12.47	1129.96
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Nickel	3.2	=	µg/L	12.47	1129.96
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Nitrate as N	26	=	mg/L	12.47	9180.94
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Nitrate as N	26	=	mg/L	12.47	9180.94
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Nitrite as N	0.049	=	mg/L	12.47	17.30
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Nitrite as N	0.049	=	mg/L	12.47	17.30
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Nitrogen, Total Kjeldahl	0.72	=	mg/L	12.47	254.24
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Nitrogen, Total Kjeldahl	0.71	=	mg/L	12.47	250.71
Hilmar Drain @ Central Ave	E	9/23/08	12:40	OrthoPhosphate as P	0.78	=	mg/L	12.47	275.43
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	OrthoPhosphate as P	0.79	=	mg/L	12.47	278.96
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Phosphate as P	0.81	=	mg/L	12.47	286.02
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Phosphate as P	0.78	=	mg/L	12.47	275.43
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Selenium	0.31	DNQ	µg/L	12.47	109.47
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Selenium	0.8	DNQ	µg/L	12.47	282.49

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Hilmar Drain @ Central Ave	E	9/23/08	12:40	Total Organic Carbon	6.8	=	mg/L	12.47	2401.17
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Total Organic Carbon	6.7	=	mg/L	12.47	2365.86
Hilmar Drain @ Central Ave	E	9/23/08	12:40	Zinc	6	=	µg/L	12.47	2118.68
Hilmar Drain @ Central Ave	FD	9/23/08	12:40	Zinc	5	=	µg/L	12.47	1765.56
Hilmar Drain @ Mitchell Rd	MPM	7/22/08	13:00	Copper	5.5	=	µg/L	2.98	464.12
Hilmar Drain @ Mitchell Rd	MPM	7/22/08	13:00	Nitrate as N	28	=	mg/L	2.98	2362.77
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Ammonia as N	0.066	DNQ	mg/L	1.07	2.00
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Arsenic	4.3	=	µg/L	1.07	130.29
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Boron	58	=	µg/L	1.07	1757.35
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Copper	8.7	=	µg/L	1.07	263.60
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Dissolved Solids	330	=	mg/L	1.07	9998.73
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Lead	0.24	DNQ	µg/L	1.07	7.27
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Nickel	1.2	=	µg/L	1.07	36.36
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Nitrate as N	5.5	=	mg/L	1.07	166.65
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Nitrite as N	0.068	=	mg/L	1.07	2.06
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Nitrogen, Total Kjeldahl	0.53	=	mg/L	1.07	16.06
Livingston Drain @ Robin Ave	E	4/22/08	14:00	OrthoPhosphate as P	0.015	=	mg/L	1.07	0.45
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Phosphate as P	0.12	=	mg/L	1.07	3.64
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Selenium	0.28	DNQ	µg/L	1.07	8.48
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Total Organic Carbon	2.7	=	mg/L	1.07	81.81
Livingston Drain @ Robin Ave	E	4/22/08	14:00	Zinc	3	=	µg/L	1.07	90.90
Livingston Drain @ Robin Ave	MPM	5/7/08	12:20	Copper	6.9	=	µg/L	1.67	326.30
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Ammonia as N	0.044	DNQ	mg/L	4.10	5.11
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Arsenic	2.1	=	µg/L	4.10	243.81
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Boron	21	=	µg/L	4.10	2438.09
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Copper	7.1	=	µg/L	4.10	824.31
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Dissolved Solids	170	=	mg/L	4.10	19736.95
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Lead	0.17	DNQ	µg/L	4.10	19.74
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Nickel	0.7	=	µg/L	4.10	81.27
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Nitrate as N	4.9	=	mg/L	4.10	568.89
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Nitrite as N	0.015	DNQ	mg/L	4.10	1.74
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Nitrogen, Total Kjeldahl	0.25	=	mg/L	4.10	29.02
Livingston Drain @ Robin Ave	E	5/20/08	15:50	OrthoPhosphate as P	0.015	=	mg/L	4.10	1.74
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Phosphate as P	0.041	=	mg/L	4.10	4.76
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Selenium	1.1	=	µg/L	4.10	127.71
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Simazine	1	=	µg/L	4.10	116.10

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Livingston Drain @ Robin Ave	E	5/20/08	15:50	Total Organic Carbon	2.2	=	mg/L	4.10	255.42
Livingston Drain @ Robin Ave	E	5/20/08	15:50	Zinc	2	=	µg/L	4.10	232.20
Livingston Drain @ Robin Ave	MPM	6/3/08	12:30	Copper	9.2	=	µg/L	1.58	411.62
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Ammonia as N	0.044	DNQ	mg/L	2.91	3.63
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Arsenic	2.9	=	µg/L	2.91	238.97
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Arsenic	2.9	=	µg/L	2.91	238.97
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Boron	33	=	µg/L	2.91	2719.28
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Boron	33	=	µg/L	2.91	2719.28
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Chlorpyrifos	0.23	=	µg/L	2.91	18.95
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Chlorpyrifos	0.015	DNQ	µg/L	2.91	1.24
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Copper	6	=	µg/L	2.91	494.41
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Copper	45	=	µg/L	2.91	3708.11
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Dissolved Solids	310	=	mg/L	2.91	25544.77
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Dissolved Solids	300	=	mg/L	2.91	24720.74
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Lead	0.1	DNQ	µg/L	2.91	8.24
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Lead	0.14	DNQ	µg/L	2.91	11.54
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Nickel	0.7	=	µg/L	2.91	57.68
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Nickel	0.7	=	µg/L	2.91	57.68
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Nitrate as N	11	=	mg/L	2.91	906.43
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Nitrate as N	11	=	mg/L	2.91	906.43
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Nitrite as N	0.073	=	mg/L	2.91	6.02
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Nitrite as N	0.074	=	mg/L	2.91	6.10
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Nitrogen, Total Kjeldahl	0.4	=	mg/L	2.91	32.96
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Nitrogen, Total Kjeldahl	0.42	=	mg/L	2.91	34.61
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	OrthoPhosphate as P	0.011	=	mg/L	2.91	0.91
Livingston Drain @ Robin Ave	E	6/17/08	15:30	OrthoPhosphate as P	0.01	=	mg/L	2.91	0.82
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Phosphate as P	0.048	=	mg/L	2.91	3.96
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Phosphate as P	0.06	=	mg/L	2.91	4.94
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Selenium	0.96	DNQ	µg/L	2.91	79.11
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Selenium	0.86	DNQ	µg/L	2.91	70.87
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Total Organic Carbon	2.6	=	mg/L	2.91	214.25
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Total Organic Carbon	2.7	=	mg/L	2.91	222.49
Livingston Drain @ Robin Ave	E	6/17/08	15:30	Zinc	4	=	µg/L	2.91	329.61
Livingston Drain @ Robin Ave	FD	6/17/08	15:30	Zinc	3	=	µg/L	2.91	247.21
Livingston Drain @ Robin Ave	MPM	7/8/08	11:00	Copper	110	=	µg/L	0.36	1121.35
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Arsenic	2.1	=	µg/L	3.09	183.75

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Livingston Drain @ Robin Ave	E	7/22/08	15:20	Boron	27	=	µg/L	3.09	2362.49
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Chlorpyrifos	0.025	=	µg/L	3.09	2.19
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Copper	17	=	µg/L	3.09	1487.49
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Dissolved Solids	200	=	mg/L	3.09	17499.91
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Lead	1.8	=	µg/L	3.09	157.50
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Nickel	1.9	=	µg/L	3.09	166.25
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Nitrate as N	6.2	=	mg/L	3.09	542.50
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Nitrite as N	0.013	DNQ	mg/L	3.09	1.14
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Nitrogen, Total Kjeldahl	0.36	=	mg/L	3.09	31.50
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Phosphate as P	0.087	=	mg/L	3.09	7.61
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Selenium	0.34	DNQ	µg/L	3.09	29.75
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Total Organic Carbon	2.7	=	mg/L	3.09	236.25
Livingston Drain @ Robin Ave	E	7/22/08	15:20	Zinc	15	=	µg/L	3.09	1312.49
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Arsenic	1.7	=	µg/L	3.09	148.75
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Boron	22	=	µg/L	3.09	1924.99
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Copper	5.2	=	µg/L	3.09	455.00
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Dissolved Solids	170	=	mg/L	3.09	14874.92
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Lead	0.41	=	µg/L	3.09	35.87
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Nickel	0.6	=	µg/L	3.09	52.50
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Nitrate as N	6.1	=	mg/L	3.09	533.75
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Nitrite as N	0.021	DNQ	mg/L	3.09	1.84
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Nitrogen, Total Kjeldahl	0.41	=	mg/L	3.09	35.87
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Phosphate as P	0.048	=	mg/L	3.09	4.20
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Total Organic Carbon	2	=	mg/L	3.09	175.00
Livingston Drain @ Robin Ave	E	8/19/08	13:50	Zinc	3	=	µg/L	3.09	262.50
Livingston Drain @ Robin Ave	MPM	9/9/08	13:20	Copper	5.3	=	µg/L	2.45	367.70
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Arsenic	1.6	=	µg/L	1.93	87.44
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Boron	23	=	µg/L	1.93	1256.99
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Chlorpyrifos	0.0051	DNQ	µg/L	1.93	0.28
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Copper	4.7	=	µg/L	1.93	256.86
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Dissolved Solids	240	=	mg/L	1.93	13116.43
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Lead	0.37	=	µg/L	1.93	20.22
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Nickel	0.9	=	µg/L	1.93	49.19
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Nitrate as N	8.5	=	mg/L	1.93	464.54
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Nitrite as N	0.019	DNQ	mg/L	1.93	1.04
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Nitrogen, Total Kjeldahl	0.19	=	mg/L	1.93	10.38

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Livingston Drain @ Robin Ave	E	9/23/08	15:20	Phosphate as P	0.046	=	mg/L	1.93	2.51
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Selenium	0.53	DNQ	µg/L	1.93	28.97
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Total Organic Carbon	2.1	=	mg/L	1.93	114.77
Livingston Drain @ Robin Ave	E	9/23/08	15:20	Zinc	4	=	µg/L	1.93	218.61
Merced River @ Santa Fe	E	4/22/08	11:20	Arsenic	0.8	=	µg/L	344.00	7792.84
Merced River @ Santa Fe	E	4/22/08	11:20	Boron	7	DNQ	µg/L	344.00	68187.34
Merced River @ Santa Fe	E	4/22/08	11:20	Copper	1.4	=	µg/L	344.00	13637.47
Merced River @ Santa Fe	E	4/22/08	11:20	Dissolved Solids	35	=	mg/L	344.00	340936.68
Merced River @ Santa Fe	E	4/22/08	11:20	Lead	0.15	DNQ	µg/L	344.00	1461.16
Merced River @ Santa Fe	E	4/22/08	11:20	Nickel	0.6	=	µg/L	344.00	5844.63
Merced River @ Santa Fe	E	4/22/08	11:20	Nitrate as N	0.071	=	mg/L	344.00	691.61
Merced River @ Santa Fe	E	4/22/08	11:20	Nitrogen, Total Kjeldahl	0.2	=	mg/L	344.00	1948.21
Merced River @ Santa Fe	E	4/22/08	11:20	Phosphate as P	0.043	=	mg/L	344.00	418.87
Merced River @ Santa Fe	E	4/22/08	11:20	Total Organic Carbon	3.2	=	mg/L	344.00	31171.35
Merced River @ Santa Fe	E	4/22/08	11:20	Zinc	2	=	µg/L	344.00	19482.10
Merced River @ Santa Fe	E	5/20/08	11:40	Arsenic	0.9	=	µg/L	258.00	6575.21
Merced River @ Santa Fe	E	5/20/08	11:40	Boron	7	DNQ	µg/L	258.00	51140.50
Merced River @ Santa Fe	E	5/20/08	11:40	Copper	0.8	=	µg/L	258.00	5844.63
Merced River @ Santa Fe	E	5/20/08	11:40	Dissolved Solids	29	=	mg/L	258.00	211867.79
Merced River @ Santa Fe	E	5/20/08	11:40	Lead	0.09	DNQ	µg/L	258.00	657.52
Merced River @ Santa Fe	E	5/20/08	11:40	Nickel	0.4	DNQ	µg/L	258.00	2922.31
Merced River @ Santa Fe	E	5/20/08	11:40	Nitrate as N	0.054	=	mg/L	258.00	394.51
Merced River @ Santa Fe	E	5/20/08	11:40	Nitrogen, Total Kjeldahl	0.12	=	mg/L	258.00	876.69
Merced River @ Santa Fe	E	5/20/08	11:40	OrthoPhosphate as P	0.018	=	mg/L	258.00	131.50
Merced River @ Santa Fe	E	5/20/08	11:40	Phosphate as P	0.028	=	mg/L	258.00	204.56
Merced River @ Santa Fe	E	5/20/08	11:40	Selenium	0.77	DNQ	µg/L	258.00	5625.46
Merced River @ Santa Fe	E	5/20/08	11:40	Total Organic Carbon	1.9	=	mg/L	258.00	13880.99
Merced River @ Santa Fe	E	5/20/08	11:40	Zinc	1	=	µg/L	258.00	7305.79
Merced River @ Santa Fe	E	6/17/08	12:00	Ammonia as N	0.066	DNQ	mg/L	78.00	145.78
Merced River @ Santa Fe	E	6/17/08	12:00	Arsenic	1	=	µg/L	78.00	2208.73
Merced River @ Santa Fe	E	6/17/08	12:00	Boron	8	DNQ	µg/L	78.00	17669.81
Merced River @ Santa Fe	E	6/17/08	12:00	Copper	1.1	=	µg/L	78.00	2429.60
Merced River @ Santa Fe	E	6/17/08	12:00	Dissolved Solids	43	=	mg/L	78.00	94975.22
Merced River @ Santa Fe	E	6/17/08	12:00	Lead	0.11	DNQ	µg/L	78.00	242.96
Merced River @ Santa Fe	E	6/17/08	12:00	Nickel	0.46	DNQ	µg/L	78.00	1016.01
Merced River @ Santa Fe	E	6/17/08	12:00	Nitrate as N	0.019	DNQ	mg/L	78.00	41.97

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Merced River @ Santa Fe	E	6/17/08	12:00	Nitrogen, Total Kjeldahl	0.23	=	mg/L	78.00	508.01
Merced River @ Santa Fe	E	6/17/08	12:00	OrthoPhosphate as P	0.018	=	mg/L	78.00	39.76
Merced River @ Santa Fe	E	6/17/08	12:00	Phosphate as P	0.044	=	mg/L	78.00	97.18
Merced River @ Santa Fe	E	6/17/08	12:00	Selenium	0.55	DNQ	µg/L	78.00	1214.80
Merced River @ Santa Fe	E	6/17/08	12:00	Total Organic Carbon	2.1	=	mg/L	78.00	4638.32
Merced River @ Santa Fe	E	6/17/08	12:00	Zinc	4	=	µg/L	78.00	8834.90
Merced River @ Santa Fe	E	7/22/08	13:30	Arsenic	1.1	=	µg/L	170.00	5295.28
Merced River @ Santa Fe	E	7/22/08	13:30	Boron	6	DNQ	µg/L	170.00	28883.34
Merced River @ Santa Fe	E	7/22/08	13:30	Copper	0.8	=	µg/L	170.00	3851.11
Merced River @ Santa Fe	E	7/22/08	13:30	Dissolved Solids	30	=	mg/L	170.00	144416.70
Merced River @ Santa Fe	E	7/22/08	13:30	Lead	0.13	DNQ	µg/L	170.00	625.81
Merced River @ Santa Fe	E	7/22/08	13:30	Nickel	0.2	DNQ	µg/L	170.00	962.78
Merced River @ Santa Fe	E	7/22/08	13:30	Nitrate as N	0.037	DNQ	mg/L	170.00	178.11
Merced River @ Santa Fe	E	7/22/08	13:30	Nitrogen, Total Kjeldahl	0.23	=	mg/L	170.00	1107.19
Merced River @ Santa Fe	E	7/22/08	13:30	OrthoPhosphate as P	0.023	=	mg/L	170.00	110.72
Merced River @ Santa Fe	E	7/22/08	13:30	Phosphate as P	0.062	=	mg/L	170.00	298.46
Merced River @ Santa Fe	E	7/22/08	13:30	Total Organic Carbon	2.7	=	mg/L	170.00	12997.50
Merced River @ Santa Fe	E	7/22/08	13:30	Zinc	3	=	µg/L	170.00	14441.67
Merced River @ Santa Fe	E	8/19/08	12:40	Arsenic	0.9	=	µg/L	91.00	2319.16
Merced River @ Santa Fe	E	8/19/08	12:40	Boron	6	DNQ	µg/L	91.00	15461.08
Merced River @ Santa Fe	E	8/19/08	12:40	Copper	1.2	=	µg/L	91.00	3092.22
Merced River @ Santa Fe	E	8/19/08	12:40	Dissolved Solids	19	=	mg/L	91.00	48960.09
Merced River @ Santa Fe	E	8/19/08	12:40	Diuron	0.2	DNQ	µg/L	91.00	515.37
Merced River @ Santa Fe	E	8/19/08	12:40	Lead	0.13	DNQ	µg/L	91.00	334.99
Merced River @ Santa Fe	E	8/19/08	12:40	Nickel	0.5	=	µg/L	91.00	1288.42
Merced River @ Santa Fe	E	8/19/08	12:40	Nitrate as N	0.052	=	mg/L	91.00	134.00
Merced River @ Santa Fe	E	8/19/08	12:40	Nitrite as N	0.003	DNQ	mg/L	91.00	7.73
Merced River @ Santa Fe	E	8/19/08	12:40	Nitrogen, Total Kjeldahl	0.33	=	mg/L	91.00	850.36
Merced River @ Santa Fe	E	8/19/08	12:40	OrthoPhosphate as P	0.025	=	mg/L	91.00	64.42
Merced River @ Santa Fe	E	8/19/08	12:40	Phosphate as P	0.052	=	mg/L	91.00	134.00
Merced River @ Santa Fe	E	8/19/08	12:40	Selenium	0.12	DNQ	µg/L	91.00	309.22
Merced River @ Santa Fe	E	8/19/08	12:40	Total Organic Carbon	2.4	=	mg/L	91.00	6184.43
Merced River @ Santa Fe	E	8/19/08	12:40	Zinc	1	=	µg/L	91.00	2576.85
Merced River @ Santa Fe	E	9/23/08	12:10	Arsenic	0.6	=	µg/L	141.00	2395.62
Merced River @ Santa Fe	E	9/23/08	12:10	Boron	5	DNQ	µg/L	141.00	19963.49
Merced River @ Santa Fe	E	9/23/08	12:10	Copper	0.7	=	µg/L	141.00	2794.89

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Merced River @ Santa Fe	E	9/23/08	12:10	Dissolved Solids	46	=	mg/L	141.00	183664.06
Merced River @ Santa Fe	E	9/23/08	12:10	Lead	0.09	DNQ	µg/L	141.00	359.34
Merced River @ Santa Fe	E	9/23/08	12:10	Nickel	0.3	DNQ	µg/L	141.00	1197.81
Merced River @ Santa Fe	E	9/23/08	12:10	Nitrate as N	0.029	DNQ	mg/L	141.00	115.79
Merced River @ Santa Fe	E	9/23/08	12:10	Nitrogen, Total Kjeldahl	0.12	=	mg/L	141.00	479.12
Merced River @ Santa Fe	E	9/23/08	12:10	OrthoPhosphate as P	0.013	=	mg/L	141.00	51.91
Merced River @ Santa Fe	E	9/23/08	12:10	Phosphate as P	0.046	=	mg/L	141.00	183.66
Merced River @ Santa Fe	E	9/23/08	12:10	Total Organic Carbon	2	=	mg/L	141.00	7985.39
Merced River @ Santa Fe	E	9/23/08	12:10	Zinc	1	=	µg/L	141.00	3992.70
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Ammonia as N	0.22	=	mg/L	1.31	8.16
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Arsenic	2.7	=	µg/L	1.31	100.16
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Boron	16	=	µg/L	1.31	593.52
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Copper	3.7	=	µg/L	1.31	137.25
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Dissolved Solids	140	=	mg/L	1.31	5193.34
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Lead	0.77	=	µg/L	1.31	28.56
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Nickel	3.1	=	µg/L	1.31	115.00
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Nitrate as N	0.97	=	mg/L	1.31	35.98
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Nitrite as N	0.059	=	mg/L	1.31	2.19
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Nitrogen, Total Kjeldahl	1.1	=	mg/L	1.31	40.80
Miles Creek @ Reilly Rd	E	4/29/08	14:40	OrthoPhosphate as P	0.13	=	mg/L	1.31	4.82
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Paraquat dichloride	0.76	=	µg/L	1.31	28.19
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Phosphate as P	0.21	=	mg/L	1.31	7.79
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Selenium	0.35	DNQ	µg/L	1.31	12.98
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Total Organic Carbon	3.6	=	mg/L	1.31	133.54
Miles Creek @ Reilly Rd	E	4/29/08	14:40	Zinc	6	=	µg/L	1.31	222.57
Miles Creek @ Reilly Rd	MPM	5/7/08	13:40	Copper	3	=	µg/L	0.98	83.25
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Ammonia as N	0.21	=	mg/L	0.22	1.31
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Arsenic	2.2	=	µg/L	0.22	13.71
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Boron	18	=	µg/L	0.22	112.14
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Copper	2.6	=	µg/L	0.22	16.20
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Cyanazine	0.2	DNQ	µg/L	0.22	1.25
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Dissolved Solids	110	=	mg/L	0.22	685.27
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Lead	0.53	=	µg/L	0.22	3.30
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Nickel	2.2	=	µg/L	0.22	13.71
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Nitrate as N	0.54	=	mg/L	0.22	3.36
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Nitrite as N	0.019	DNQ	mg/L	0.22	0.12

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Miles Creek @ Reilly Rd	E	5/27/08	14:20	Nitrogen, Total Kjeldahl	0.64	=	mg/L	0.22	3.99
Miles Creek @ Reilly Rd	E	5/27/08	14:20	OrthoPhosphate as P	0.21	=	mg/L	0.22	1.31
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Phosphate as P	0.28	=	mg/L	0.22	1.74
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Selenium	0.82	DNQ	µg/L	0.22	5.11
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Simazine	0.39	DNQ	µg/L	0.22	2.43
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Total Organic Carbon	2.8	=	mg/L	0.22	17.44
Miles Creek @ Reilly Rd	E	5/27/08	14:20	Zinc	4	=	µg/L	0.22	24.92
Miles Creek @ Reilly Rd	MPM	6/3/08	13:20	Copper	4.2	=	µg/L	0.67	79.68
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Aldicarb	0.53	=	µg/L	0.38	5.70
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Ammonia as N	0.077	DNQ	mg/L	0.38	0.83
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Arsenic	1.8	=	µg/L	0.38	19.37
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Boron	13	=	µg/L	0.38	139.89
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Copper	6.2	=	µg/L	0.38	66.71
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Dissolved Solids	82	=	mg/L	0.38	882.36
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Lead	1.5	=	µg/L	0.38	16.14
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Nickel	5.1	=	µg/L	0.38	54.88
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Nitrate as N	0.47	=	mg/L	0.38	5.06
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Nitrite as N	0.022	DNQ	mg/L	0.38	0.24
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Nitrogen, Total Kjeldahl	0.68	=	mg/L	0.38	7.32
Miles Creek @ Reilly Rd	E	6/24/08	14:10	OrthoPhosphate as P	0.082	=	mg/L	0.38	0.88
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Phosphate as P	0.14	=	mg/L	0.38	1.51
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Selenium	0.58	DNQ	µg/L	0.38	6.24
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Total Organic Carbon	3.2	=	mg/L	0.38	34.43
Miles Creek @ Reilly Rd	E	6/24/08	14:10	Zinc	11	=	µg/L	0.38	118.37
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Ammonia as N	0.099	DNQ	mg/L	0.42	1.18
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Arsenic	1.5	=	µg/L	0.42	17.84
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Arsenic	1.6	=	µg/L	0.42	19.03
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Boron	12	=	µg/L	0.42	142.72
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Boron	13	=	µg/L	0.42	154.61
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Cadmium	0.07	DNQ	µg/L	0.42	0.83
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Chlorpyrifos	0.017	DNQ	µg/L	0.42	0.20
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Chlorpyrifos	0.021	=	µg/L	0.42	0.25
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Copper	7.5	=	µg/L	0.42	89.20
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Copper	7.9	=	µg/L	0.42	93.96
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Dissolved Solids	77	=	mg/L	0.42	915.77
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Dissolved Solids	73	=	mg/L	0.42	868.20

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Miles Creek @ Reilly Rd	E	7/29/08	15:20	Lead	1.7	=	µg/L	0.42	20.22
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Lead	1.6	=	µg/L	0.42	19.03
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Nickel	5.8	=	µg/L	0.42	68.98
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Nickel	6	=	µg/L	0.42	71.36
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Nitrate as N	0.62	=	mg/L	0.42	7.37
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Nitrate as N	0.63	=	mg/L	0.42	7.49
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Nitrite as N	0.021	DNQ	mg/L	0.42	0.25
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Nitrite as N	0.021	DNQ	mg/L	0.42	0.25
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Nitrogen, Total Kjeldahl	0.93	=	mg/L	0.42	11.06
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Nitrogen, Total Kjeldahl	0.87	=	mg/L	0.42	10.35
Miles Creek @ Reilly Rd	E	7/29/08	15:20	OrthoPhosphate as P	0.096	=	mg/L	0.42	1.14
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	OrthoPhosphate as P	0.097	=	mg/L	0.42	1.15
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Phosphate as P	0.2	=	mg/L	0.42	2.38
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Phosphate as P	0.2	=	mg/L	0.42	2.38
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Selenium	0.33	DNQ	µg/L	0.42	3.92
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Selenium	0.32	DNQ	µg/L	0.42	3.81
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Total Organic Carbon	4.2	=	mg/L	0.42	49.95
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Total Organic Carbon	4.5	=	mg/L	0.42	53.52
Miles Creek @ Reilly Rd	E	7/29/08	15:20	Zinc	13	=	µg/L	0.42	154.61
Miles Creek @ Reilly Rd	FD	7/29/08	15:20	Zinc	13	=	µg/L	0.42	154.61
Miles Creek @ Reilly Rd	MPM	8/5/08	12:30	Copper	4.2	=	µg/L	0.36	42.82
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Ammonia as N	0.12	=	mg/L	0.57	1.94
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Arsenic	1.9	=	µg/L	0.57	30.67
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Boron	16	=	µg/L	0.57	258.25
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Cadmium	0.06	DNQ	µg/L	0.57	0.97
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Chlorpyrifos	0.042	=	µg/L	0.57	0.68
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Copper	7.5	=	µg/L	0.57	121.06
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Dissolved Solids	140	=	mg/L	0.57	2259.70
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Lead	2	=	µg/L	0.57	32.28
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Nickel	5.9	=	µg/L	0.57	95.23
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Nitrate as N	1.3	=	mg/L	0.57	20.98
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Nitrite as N	0.029	DNQ	mg/L	0.57	0.47
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Nitrogen, Total Kjeldahl	1.1	=	mg/L	0.57	17.75
Miles Creek @ Reilly Rd	E	8/26/08	13:00	OrthoPhosphate as P	0.077	=	mg/L	0.57	1.24
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Phosphate as P	0.31	=	mg/L	0.57	5.00
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Selenium	0.3	DNQ	µg/L	0.57	4.84

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Miles Creek @ Reilly Rd	E	8/26/08	13:00	Total Organic Carbon	2.7	=	mg/L	0.57	43.58
Miles Creek @ Reilly Rd	E	8/26/08	13:00	Zinc	14	=	µg/L	0.57	225.97
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Arsenic	2.2	=	µg/L	0.44	27.41
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Boron	19	=	µg/L	0.44	236.73
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Copper	4.1	=	µg/L	0.44	51.08
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Dissolved Solids	130	=	mg/L	0.44	1619.73
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Lead	0.8	=	µg/L	0.44	9.97
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Nickel	3.2	=	µg/L	0.44	39.87
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Nitrate as N	1	=	mg/L	0.44	12.46
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Nitrite as N	0.025	DNQ	mg/L	0.44	0.31
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Nitrogen, Total Kjeldahl	0.8	=	mg/L	0.44	9.97
Miles Creek @ Reilly Rd	E	9/30/08	13:50	OrthoPhosphate as P	0.12	=	mg/L	0.44	1.50
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Phosphate as P	0.21	=	mg/L	0.44	2.62
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Selenium	0.3	DNQ	µg/L	0.44	3.74
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Total Organic Carbon	2.7	=	mg/L	0.44	33.64
Miles Creek @ Reilly Rd	E	9/30/08	13:50	Zinc	6	=	µg/L	0.44	74.76
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Ammonia as N	0.4	=	mg/L	0.57	6.46
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Arsenic	8.4	=	µg/L	0.57	135.58
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Boron	390	=	µg/L	0.57	6294.87
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Copper	11	=	µg/L	0.57	177.55
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Dissolved Solids	1700	=	mg/L	0.57	27439.17
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Lead	0.32	=	µg/L	0.57	5.17
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Nickel	7.9	=	µg/L	0.57	127.51
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Nitrate as N	23	=	mg/L	0.57	371.24
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Nitrite as N	0.36	=	mg/L	0.57	5.81
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Nitrogen, Total Kjeldahl	2.4	=	mg/L	0.57	38.74
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	OrthoPhosphate as P	1.3	=	mg/L	0.57	20.98
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Phosphate as P	1.4	=	mg/L	0.57	22.60
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Selenium	1.1	=	µg/L	0.57	17.75
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Total Organic Carbon	17	=	mg/L	0.57	274.39
Prairie Flower Drain @ Crows Landing Rd	E	4/22/08	11:50	Zinc	7	=	µg/L	0.57	112.98
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Ammonia as N	0.24	=	mg/L	0.94	6.39
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Arsenic	9.3	=	µg/L	0.94	247.55
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Boron	330	=	µg/L	0.94	8783.93
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Copper	9	=	µg/L	0.94	239.56
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Cyanazine	0.32	DNQ	µg/L	0.94	8.52

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Station Name	Sample Type Code	Sample Date	Sample Time	Analyte	Result	Qualifier Code	Unit	Discharge, cfs	Instantaneous Loading Rate µg/sec or mg/sec
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Dissolved Solids	1600	=	mg/L	0.94	42588.77
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Lead	0.32	=	µg/L	0.94	8.52
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Nickel	6.3	=	µg/L	0.94	167.69
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Nitrate as N	26	=	mg/L	0.94	692.07
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Nitrite as N	0.32	=	mg/L	0.94	8.52
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Nitrogen, Total Kjeldahl	2.2	=	mg/L	0.94	58.56
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	OrthoPhosphate as P	1.7	=	mg/L	0.94	45.25
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Phosphate as P	1.6	=	mg/L	0.94	42.59
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Selenium	1.8	=	µg/L	0.94	47.91
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Simazine	0.46	DNQ	µg/L	0.94	12.24
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Total Organic Carbon	16	=	mg/L	0.94	425.89
Prairie Flower Drain @ Crows Landing Rd	E	5/20/08	12:00	Zinc	10	=	µg/L	0.94	266.18
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Ammonia as N	2.1	=	mg/L	0.33	19.62
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Arsenic	6.9	=	µg/L	0.33	64.48
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Boron	290	=	µg/L	0.33	2709.94
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Cadmium	0.06	DNQ	µg/L	0.33	0.56
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Carbaryl	0.27	=	µg/L	0.33	2.52
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Copper	9.6	=	µg/L	0.33	89.71
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Dissolved Solids	1200	=	mg/L	0.33	11213.53
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Diuron	0.23	DNQ	µg/L	0.33	2.15
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Lead	0.67	=	µg/L	0.33	6.26
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Nickel	6.8	=	µg/L	0.33	63.54
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Nitrate as N	19	=	mg/L	0.33	177.55
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Nitrite as N	0.47	=	mg/L	0.33	4.39
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Nitrogen, Total Kjeldahl	5.8	=	mg/L	0.33	54.20
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	OrthoPhosphate as P	0.81	=	mg/L	0.33	7.57
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Phosphate as P	1	=	mg/L	0.33	9.34
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Selenium	1.4	=	µg/L	0.33	13.08
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Total Organic Carbon	19	=	mg/L	0.33	177.55
Prairie Flower Drain @ Crows Landing Rd	E	6/17/08	11:30	Zinc	15	=	µg/L	0.33	140.17
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Ammonia as N	1.1	=	mg/L	6.10	190.01
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Arsenic	4.6	=	µg/L	6.10	794.58
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Boron	160	=	µg/L	6.10	27637.39
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Carbaryl	0.1	=	µg/L	6.10	17.27
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Copper	7.1	=	µg/L	6.10	1226.41
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Dimethoate	2.7	=	µg/L	6.10	466.38

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Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Dissolved Solids	620	=	mg/L	6.10	107094.89
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Lead	0.23	DNQ	µg/L	6.10	39.73
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Nickel	4.5	=	µg/L	6.10	777.30
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Nitrate as N	11	=	mg/L	6.10	1900.07
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Nitrite as N	0.48	=	mg/L	6.10	82.91
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Nitrogen, Total Kjeldahl	3.2	=	mg/L	6.10	552.75
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	OrthoPhosphate as P	1.2	=	mg/L	6.10	207.28
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Phosphate as P	1.3	=	mg/L	6.10	224.55
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Selenium	0.18	DNQ	µg/L	6.10	31.09
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Total Organic Carbon	19	=	mg/L	6.10	3281.94
Prairie Flower Drain @ Crows Landing Rd	E	7/22/08	10:40	Zinc	6	=	µg/L	6.10	1036.40
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Arsenic	4.4	=	µg/L	4.67	581.86
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Boron	170	=	µg/L	4.67	22480.87
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Carbaryl	0.06	DNQ	µg/L	4.67	7.93
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Chlorpyrifos	0.024	=	µg/L	4.67	3.17
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Copper	4.4	=	µg/L	4.67	581.86
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Dimethoate	0.44	=	µg/L	4.67	58.19
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Dissolved Solids	610	=	mg/L	4.67	80666.64
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Lead	0.13	DNQ	µg/L	4.67	17.19
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Malathion	0.12	=	µg/L	4.67	15.87
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Nickel	2.8	=	µg/L	4.67	370.27
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Nitrate as N	13	=	mg/L	4.67	1719.13
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Nitrite as N	0.14	=	mg/L	4.67	18.51
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Nitrogen, Total Kjeldahl	1.2	=	mg/L	4.67	158.69
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	OrthoPhosphate as P	0.68	=	mg/L	4.67	89.92
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Phosphate as P	0.73	=	mg/L	4.67	96.54
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Selenium	0.22	DNQ	µg/L	4.67	29.09
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Total Organic Carbon	9.3	=	mg/L	4.67	1229.84
Prairie Flower Drain @ Crows Landing Rd	E	8/19/08	11:20	Zinc	4	=	µg/L	4.67	528.96
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Ammonia as N	0.24	=	mg/L	0.63	4.28
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Arsenic	10	=	µg/L	0.63	178.40
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Boron	360	=	µg/L	0.63	6422.30
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Copper	8.3	=	µg/L	0.63	148.07
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Dissolved Solids	1800	=	mg/L	0.63	32111.48
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Lead	0.28	=	µg/L	0.63	5.00
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Nickel	7.3	=	µg/L	0.63	130.23

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Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Nitrate as N	33	=	mg/L	0.63	588.71
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Nitrite as N	0.19	=	mg/L	0.63	3.39
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Nitrogen, Total Kjeldahl	2.3	=	mg/L	0.63	41.03
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	OrthoPhosphate as P	1.1	=	mg/L	0.63	19.62
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Phosphate as P	1.4	=	mg/L	0.63	24.98
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Selenium	1	=	µg/L	0.63	17.84
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Total Organic Carbon	16	=	mg/L	0.63	285.44
Prairie Flower Drain @ Crows Landing Rd	E	9/23/08	11:00	Zinc	5	=	µg/L	0.63	89.20
Prairie Flower Drain at Morgan Road	MPM	5/20/08	13:00	Nitrate as N	22	=	mg/L	0.69	429.85
Prairie Flower Drain at Morgan Road	MPM	6/17/08	12:30	Nitrate as N	30	=	mg/L	0.00	0.00
Prairie Flower Drain at Morgan Road	MPM	7/22/08	11:30	Nitrate as N	0.053	DNQ	mg/L	2.38	3.57
Prairie Flower Drain at Morgan Road	MPM	8/19/08	12:10	Nitrate as N	20	=	mg/L	2.18	1234.62
Prairie Flower Drain at Morgan Road	MPM	9/23/08	11:50	Nitrate as N	29	=	mg/L	0.92	755.50
Reclamation Drain @ Williams Ave	MPM	7/22/08	13:10	Ammonia as N	0.2	=	mg/L	0.45	2.55
Reclamation Drain @ Williams Ave	MPM	7/22/08	13:10	Copper	10	=	µg/L	0.45	127.43
Reclamation Drain @ Williams Ave	MPM	7/22/08	13:10	Nitrate as N	2.6	=	mg/L	0.45	33.13
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Ammonia as N	4.1	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Arsenic	2.4	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Boron	45	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Cadmium	0.04	DNQ	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Copper	17	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Diazinon	0.0086	DNQ	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Dissolved Solids	270	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Lead	0.07	DNQ	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Nickel	2.9	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Nitrate as N	5.1	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Nitrite as N	0.41	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Nitrogen, Total Kjeldahl	5.7	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	OrthoPhosphate as P	2.7	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Phosphate as P	2.3	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Selenium	1.5	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Total Organic Carbon	14	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	4/22/08	10:30	Zinc	4	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Ammonia as N	13	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Arsenic	2.5	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Boron	44	=	µg/L	0.00	0.00

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Silva Drain @ Meadow Dr	E	6/17/08	10:50	Cadmium	0.1	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Copper	68	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Dissolved Solids	350	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Lead	1.6	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Nickel	8.1	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Nitrate as N	4.2	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Nitrite as N	0.28	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Nitrogen, Total Kjeldahl	18	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	OrthoPhosphate as P	1.1	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Phosphate as P	3.3	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Selenium	1.9	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Total Organic Carbon	23	=	mg/L	0.00	0.00
Silva Drain @ Meadow Dr	E	6/17/08	10:50	Zinc	27	=	µg/L	0.00	0.00
Silva Drain @ Meadow Dr	MPM	8/5/08	10:20	Chlorpyrifos	0.021	=	µg/L	5.46	3.25
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Ammonia as N	1.3	=	mg/L	0.53	19.51
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Arsenic	1.8	=	µg/L	0.53	27.01
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Boron	10	DNQ	µg/L	0.53	150.08
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Cadmium	0.2	=	µg/L	0.53	3.00
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Chlorpyrifos	0.023	=	µg/L	0.53	0.35
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Copper	20	=	µg/L	0.53	300.16
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Dissolved Solids	44	=	mg/L	0.53	660.35
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Lead	3	=	µg/L	0.53	45.02
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Nickel	8.7	=	µg/L	0.53	130.57
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Nitrate as N	0.31	=	mg/L	0.53	4.65
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Nitrite as N	0.12	=	mg/L	0.53	1.80
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Nitrogen, Total Kjeldahl	3.5	=	mg/L	0.53	52.53
Silva Drain @ Meadow Dr	E	8/19/08	11:30	OrthoPhosphate as P	0.2	=	mg/L	0.53	3.00
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Phosphate as P	0.61	=	mg/L	0.53	9.15
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Selenium	0.42	DNQ	µg/L	0.53	6.30
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Total Organic Carbon	4.3	=	mg/L	0.53	64.53
Silva Drain @ Meadow Dr	E	8/19/08	11:30	Zinc	30	=	µg/L	0.53	450.24
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Ammonia as N	3	=	mg/L	0.14	11.89
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Arsenic	1.7	=	µg/L	0.14	6.74
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Boron	17	=	µg/L	0.14	67.39
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Chlorpyrifos	0.0051	DNQ	µg/L	0.14	0.02
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Copper	15	=	µg/L	0.14	59.47

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Silva Drain @ Meadow Dr	E	9/23/08	11:20	Dissolved Solids	100	=	mg/L	0.14	396.44
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Lead	0.72	=	µg/L	0.14	2.85
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Nickel	3.3	=	µg/L	0.14	13.08
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Nitrate as N	0.54	=	mg/L	0.14	2.14
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Nitrite as N	0.17	=	mg/L	0.14	0.67
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Nitrogen, Total Kjeldahl	6	=	mg/L	0.14	23.79
Silva Drain @ Meadow Dr	E	9/23/08	11:20	OrthoPhosphate as P	0.16	=	mg/L	0.14	0.63
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Phosphate as P	0.87	=	mg/L	0.14	3.45
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Selenium	0.18	DNQ	µg/L	0.14	0.71
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Total Organic Carbon	7.1	=	mg/L	0.14	28.15
Silva Drain @ Meadow Dr	E	9/23/08	11:20	Zinc	11	=	µg/L	0.14	43.61
South Slough @ Quinley Rd	E	4/29/08	11:20	Ammonia as N	0.055	DNQ	mg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Arsenic	1.7	=	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Boron	15	=	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Carbaryl	0.08	=	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Copper	3.7	=	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Dissolved Solids	130	=	mg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Lead	0.63	=	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Nickel	2.4	=	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Nitrogen, Total Kjeldahl	0.71	=	mg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	OrthoPhosphate as P	0.039	=	mg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Phosphate as P	0.11	=	mg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Selenium	0.3	DNQ	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Simazine	0.29	DNQ	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Total Organic Carbon	6.3	=	mg/L	0.00	0.00
South Slough @ Quinley Rd	E	4/29/08	11:20	Zinc	5	=	µg/L	0.00	0.00
South Slough @ Quinley Rd	E	6/24/08	9:20	Arsenic	0.8	=	µg/L	8.49	192.33
South Slough @ Quinley Rd	E	6/24/08	9:20	Boron	8	DNQ	µg/L	8.49	1923.29
South Slough @ Quinley Rd	E	6/24/08	9:20	Copper	4	=	µg/L	8.49	961.65
South Slough @ Quinley Rd	E	6/24/08	9:20	Dissolved Solids	28	=	mg/L	8.49	6731.52
South Slough @ Quinley Rd	E	6/24/08	9:20	Lead	0.85	=	µg/L	8.49	204.35
South Slough @ Quinley Rd	E	6/24/08	9:20	Nickel	2.2	=	µg/L	8.49	528.90
South Slough @ Quinley Rd	E	6/24/08	9:20	Nitrate as N	0.077	=	mg/L	8.49	18.51
South Slough @ Quinley Rd	E	6/24/08	9:20	Nitrite as N	0.01	DNQ	mg/L	8.49	2.40
South Slough @ Quinley Rd	E	6/24/08	9:20	Nitrogen, Total Kjeldahl	0.29	=	mg/L	8.49	69.72
South Slough @ Quinley Rd	E	6/24/08	9:20	OrthoPhosphate as P	0.01	=	mg/L	8.49	2.40

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South Slough @ Quinley Rd	E	6/24/08	9:20	Phosphate as P	0.085	=	mg/L	8.49	20.43
South Slough @ Quinley Rd	E	6/24/08	9:20	Selenium	0.58	DNQ	µg/L	8.49	139.44
South Slough @ Quinley Rd	E	6/24/08	9:20	Total Organic Carbon	2.1	=	mg/L	8.49	504.86
South Slough @ Quinley Rd	E	6/24/08	9:20	Zinc	6	=	µg/L	8.49	1442.47
South Slough @ Quinley Rd	E	7/29/08	10:10	Arsenic	0.8	=	µg/L	8.48	192.10
South Slough @ Quinley Rd	E	7/29/08	10:10	Boron	7	DNQ	µg/L	8.48	1680.90
South Slough @ Quinley Rd	E	7/29/08	10:10	Chlorpyrifos	0.029	=	µg/L	8.48	6.96
South Slough @ Quinley Rd	E	7/29/08	10:10	Copper	3.5	=	µg/L	8.48	840.45
South Slough @ Quinley Rd	E	7/29/08	10:10	Dissolved Solids	40	=	mg/L	8.48	9605.13
South Slough @ Quinley Rd	E	7/29/08	10:10	Lead	0.85	=	µg/L	8.48	204.11
South Slough @ Quinley Rd	E	7/29/08	10:10	Nickel	2.1	=	µg/L	8.48	504.27
South Slough @ Quinley Rd	E	7/29/08	10:10	Nitrate as N	0.046	DNQ	mg/L	8.48	11.05
South Slough @ Quinley Rd	E	7/29/08	10:10	Nitrite as N	0.005	DNQ	mg/L	8.48	1.20
South Slough @ Quinley Rd	E	7/29/08	10:10	Nitrogen, Total Kjeldahl	0.24	=	mg/L	8.48	57.63
South Slough @ Quinley Rd	E	7/29/08	10:10	OrthoPhosphate as P	0.013	=	mg/L	8.48	3.12
South Slough @ Quinley Rd	E	7/29/08	10:10	Phosphate as P	0.084	=	mg/L	8.48	20.17
South Slough @ Quinley Rd	E	7/29/08	10:10	Selenium	0.19	DNQ	µg/L	8.48	45.62
South Slough @ Quinley Rd	E	7/29/08	10:10	Total Organic Carbon	2.5	=	mg/L	8.48	600.32
South Slough @ Quinley Rd	E	7/29/08	10:10	Zinc	6	=	µg/L	8.48	1440.77
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Ammonia as N	0.25	=	mg/L	1.26	8.92
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Arsenic	6.8	=	µg/L	1.26	242.62
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Boron	140	=	µg/L	1.26	4995.12
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Copper	2.7	=	µg/L	1.26	96.33
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Dissolved Solids	750	=	mg/L	1.26	26759.57
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Lead	0.26	=	µg/L	1.26	9.28
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Nickel	3.2	=	µg/L	1.26	114.17
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Nitrate as N	23	=	mg/L	1.26	820.63
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Nitrite as N	0.45	=	mg/L	1.26	16.06
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Nitrogen, Total Kjeldahl	0.94	=	mg/L	1.26	33.54
Westport Drain @ Vivian Rd	E	4/22/08	8:20	OrthoPhosphate as P	0.36	=	mg/L	1.26	12.84
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Phosphate as P	0.49	=	mg/L	1.26	17.48
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Selenium	0.24	DNQ	µg/L	1.26	8.56
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Total Organic Carbon	7.1	=	mg/L	1.26	253.32
Westport Drain @ Vivian Rd	E	4/22/08	8:20	Zinc	3	=	µg/L	1.26	107.04
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Ammonia as N	0.19	=	mg/L	2.42	13.02
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Ammonia as N	0.11	=	mg/L	2.42	7.54

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Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Arsenic	6.9	=	µg/L	2.42	472.84
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Arsenic	6.9	=	µg/L	2.42	472.84
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Boron	130	=	µg/L	2.42	8908.53
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Boron	130	=	µg/L	2.42	8908.53
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Copper	2.3	=	µg/L	2.42	157.61
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Copper	2.5	=	µg/L	2.42	171.32
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Cyanazine	0.14	DNQ	µg/L	2.42	9.59
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Cyanazine	0.27	DNQ	µg/L	2.42	18.50
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Dissolved Solids	710	=	mg/L	2.42	48654.27
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Dissolved Solids	720	=	mg/L	2.42	49339.54
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Lead	0.3	=	µg/L	2.42	20.56
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Lead	0.31	=	µg/L	2.42	21.24
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Nickel	2.4	=	µg/L	2.42	164.47
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Nickel	2.3	=	µg/L	2.42	157.61
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Nitrate as N	22	=	mg/L	2.42	1507.60
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Nitrate as N	23	=	mg/L	2.42	1576.12
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Nitrite as N	0.41	=	mg/L	2.42	28.10
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Nitrite as N	0.42	=	mg/L	2.42	28.78
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Nitrogen, Total Kjeldahl	0.78	=	mg/L	2.42	53.45
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Nitrogen, Total Kjeldahl	0.91	=	mg/L	2.42	62.36
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	OrthoPhosphate as P	0.34	=	mg/L	2.42	23.30
Westport Drain @ Vivian Rd	E	5/20/08	8:50	OrthoPhosphate as P	0.34	=	mg/L	2.42	23.30
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Phosphate as P	0.38	=	mg/L	2.42	26.04
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Phosphate as P	0.47	=	mg/L	2.42	32.21
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Selenium	0.46	DNQ	µg/L	2.42	31.52
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Selenium	1.2	=	µg/L	2.42	82.23
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Total Organic Carbon	5.5	=	mg/L	2.42	376.90
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Total Organic Carbon	5	=	mg/L	2.42	342.64
Westport Drain @ Vivian Rd	FD	5/20/08	8:50	Zinc	3	=	µg/L	2.42	205.58
Westport Drain @ Vivian Rd	E	5/20/08	8:50	Zinc	5	=	µg/L	2.42	342.64
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Ammonia as N	0.066	DNQ	mg/L	2.76	5.16
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Arsenic	6.7	=	µg/L	2.76	523.64
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Boron	140	=	µg/L	2.76	10941.69
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Copper	3.2	=	µg/L	2.76	250.10
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Dissolved Solids	750	=	mg/L	2.76	58616.19
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Lead	0.47	=	µg/L	2.76	36.73

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Westport Drain @ Vivian Rd	E	6/17/08	8:50	Nickel	2.7	=	µg/L	2.76	211.02
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Nitrate as N	25	=	mg/L	2.76	1953.87
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Nitrite as N	0.45	=	mg/L	2.76	35.17
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Nitrogen, Total Kjeldahl	0.9	=	mg/L	2.76	70.34
Westport Drain @ Vivian Rd	E	6/17/08	8:50	OrthoPhosphate as P	0.32	=	mg/L	2.76	25.01
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Phosphate as P	0.45	=	mg/L	2.76	35.17
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Selenium	0.99	DNQ	µg/L	2.76	77.37
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Total Organic Carbon	5.2	=	mg/L	2.76	406.41
Westport Drain @ Vivian Rd	E	6/17/08	8:50	Zinc	5	=	µg/L	2.76	390.77
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Arsenic	6.8	=	µg/L	2.78	535.30
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Boron	130	=	µg/L	2.78	10233.76
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Chlorpyrifos	0.016	DNQ	µg/L	2.78	1.26
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Copper	2.6	=	µg/L	2.78	204.68
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Dissolved Solids	760	=	mg/L	2.78	59828.16
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Lead	0.18	DNQ	µg/L	2.78	14.17
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Nickel	3.9	=	µg/L	2.78	307.01
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Nitrate as N	25	=	mg/L	2.78	1968.03
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Nitrite as N	0.34	=	mg/L	2.78	26.77
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Nitrogen, Total Kjeldahl	0.65	=	mg/L	2.78	51.17
Westport Drain @ Vivian Rd	E	7/22/08	9:00	OrthoPhosphate as P	0.38	=	mg/L	2.78	29.91
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Phosphate as P	0.44	=	mg/L	2.78	34.64
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Selenium	0.13	DNQ	µg/L	2.78	10.23
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Total Organic Carbon	4.9	=	mg/L	2.78	385.73
Westport Drain @ Vivian Rd	E	7/22/08	9:00	Zinc	3	=	µg/L	2.78	236.16
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Arsenic	7	=	µg/L	1.54	305.26
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Boron	160	=	µg/L	1.54	6977.31
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Copper	2.3	=	µg/L	1.54	100.30
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Dissolved Solids	760	=	mg/L	1.54	33142.22
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Lead	0.1	DNQ	µg/L	1.54	4.36
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Nickel	2.1	=	µg/L	1.54	91.58
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Nitrate as N	25	=	mg/L	1.54	1090.20
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Nitrite as N	0.41	=	mg/L	1.54	17.88
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Nitrogen, Total Kjeldahl	0.71	=	mg/L	1.54	30.96
Westport Drain @ Vivian Rd	E	8/19/08	9:40	OrthoPhosphate as P	0.38	=	mg/L	1.54	16.57
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Phosphate as P	0.45	=	mg/L	1.54	19.62
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Selenium	0.26	DNQ	µg/L	1.54	11.34

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Westport Drain @ Vivian Rd	E	8/19/08	9:40	Total Organic Carbon	4.6	=	mg/L	1.54	200.60
Westport Drain @ Vivian Rd	E	8/19/08	9:40	Zinc	2	=	µg/L	1.54	87.22
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Arsenic	6.9	=	µg/L	1.90	371.24
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Boron	150	=	µg/L	1.90	8070.35
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Copper	3.8	=	µg/L	1.90	204.45
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Dissolved Solids	750	=	mg/L	1.90	40351.73
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Lead	0.46	=	µg/L	1.90	24.75
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Nickel	3.4	=	µg/L	1.90	182.93
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Nitrate as N	27	=	mg/L	1.90	1452.66
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Nitrite as N	0.33	=	mg/L	1.90	17.75
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Nitrogen, Total Kjeldahl	0.68	=	mg/L	1.90	36.59
Westport Drain @ Vivian Rd	E	9/23/08	9:20	OrthoPhosphate as P	0.37	=	mg/L	1.90	19.91
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Phosphate as P	0.5	=	mg/L	1.90	26.90
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Selenium	0.33	DNQ	µg/L	1.90	17.75
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Total Organic Carbon	4.7	=	mg/L	1.90	252.87
Westport Drain @ Vivian Rd	E	9/23/08	9:20	Zinc	5	=	µg/L	1.90	269.01

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

# **Appendix II**

## **Chain of Custody Forms**

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### ESJWQC COC anomalies

Anomaly descriptions include date sampled, affected laboratory, affected sites, a brief description of anomaly and corrective action.

Sample Date	APPL	Caltest	NCL	AQUA-Science	Site IDs Affected	Description	Resolution	Resolution Date
08/19/08	X				535XDCWF	Sample labels and COC listed sample ID as 535XDCAWF-GR	Samples logged in at lab as 535XDCWF-GR, COC changed to match	8/20/08

**Organic Chemistry Analysis**  
**Agriculture & Priority Pollutants Laboratories, Inc (APPL)**



**MICHAEL I. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1400 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **B. JAMES / J. KATZ**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632	Organochlorine pesticides by EPA 8081A or EPA 808	Pyrethroid pesticides by EPA 8081A or EPA 608	Organophosphorus pesticides by EPA 814A or EPA 614	Herbicides by EPA 619, EPA 8321, EPA 8141A	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XWDVAVR-GR	04/22/2008	08:20	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHDATR-GR	04/22/2008	09:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XLDARA-GR	04/22/2008	14:00	FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XPFDCI-GR	04/22/2008	11:50	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHDACA-GR	04/22/2008	15:20	FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XHDATR-MS	04/22/2008	09:30	FW	3	1-Gal Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XHDATR-FD	04/22/2008	09:30	FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XHDATR-FB	04/22/2008	09:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Brown Poly	Ice							

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com  
 \* See project-specific guidelines for exact analyte list

Relinquished By	Relinquished By
Signature: <i>Ben Jones</i>	Signature: <i>Doug Richards</i>
Print Name: BEN JONES	Print Name: DOUG RICHARDS
Organization: MLJ-LLC	Organization: EX MILK
Date: 04/22/2008	Date: 04/23/08
Time: 17:05	Time: 1705
Received By:	Received By:
Signature: <i>Ben Jones</i>	Signature: <i>C. Plow</i>
Print Name: DOUG RICHARDS	Print Name: C. Plow
Organization: EX MILK	Organization: APPL-FINC
Date: 04/22/08	Date: 04/23/08
Time: 1705	Time: 0800

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wulf A. Siadatan  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 832*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDCAWR-GR	04/22/2008	8:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMCASA-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Dry site
535XSDAMD-GR	04/22/2008	10:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCALR-GR	04/22/2008	12:20	FW	1	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMR5FD-GR	04/22/2008	11:20	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCHNN-GR	04/22/2008	13:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Amber Glass	Ice							

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkalz@mlj-llc.com  
 \* See project-specific guidelines for exact analyte list

Relinquished By	Relinquished By
Signature: <u>Allison Siadatan</u>	Signature: <u>[Signature]</u>
Print Name: <u>Allison Siadatan</u>	Print Name: <u>[Name]</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>[Org]</u>
Date: <u>04/22/2008</u> Time: <u>17:02</u>	Date: <u>4-22-08</u> Time: <u>1830</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>YOUNG RICHARDS</u>	Print Name: <u>C. Mow</u>
Organization: <u>EX MILE</u>	Organization: <u>APPL INC.</u>
Date: <u>4-22-08</u> Time: <u>1705</u>	Date: <u>4/23/08</u> Time: <u>0800</u>

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, ALISON SIADATAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Parquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XBCAKR-GR	4/29/2008	16:20	FW	4	1-L Amber Glass	Ice	X	X		X	X	X	
535BRCAVR-GR	4/29/2008	17:20	FW	5	1-L Amber Glass	Ice	X	X		X	X	X	
545XDCARE-GR	4/29/2008	12:00	FW	5	1-L Amber Glass	Ice	X	X		X	X	X	
545XASAAI-GR	4/29/2008	12:00	FW	5	1-L Amber Glass	Ice	X	X		X	X	X	Dry site
545XBSAAE-GR	4/29/2008	12:00	FW	5	1-L Amber Glass	Ice	X	X		X	X	X	Dry site
545XCCART-GR	4/29/2008	10:30	FW	4	1-L Amber Glass	Ice	X	X		X	X	X	
545XDCARE-MS	4/29/2008	12:00	FW	3	1-Gal Amber Glass	Ice	X	X		X	X	X	MATRIX SPIKE
545XDCARE-FD	4/29/2008	12:00	FW	5	1-L Amber Glass	Ice	X	X		X	X	X	MATRIX SPIKE
545XDCARE-FB	4/29/2008	12:00	FW	5	1-L Amber Glass	Ice	X	X		X	X	X	
545XDCART-GR	4/29/2008	14:30	FW	1	1-L Amber Glass	Ice	X	X		X	X	X	Analyze for Chlorpyrifos Only

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com  
 \* See project-specific guidelines for exact analyses

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

Relinquished By	Signature	Print Name	Organization	Date	Time	Received By	Signature	Print Name	Organization	Date	Time
Relinquished By	<i>Allison Siadatan</i>	Allison Siadatan	MLJ-LLC	04/29/2008	18:26	Received By	<i>Doug Richards</i>	Doug Richards	EX MILK	04/30/08	0800
Relinquished By	<i>Doug Richards</i>	Doug Richards	EX MILK	4-29-08	1930	Received By	<i>C. Monda</i>	C. Monda	APPL. IUC.		



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: B. James, F. Wolff  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Parquat chloride by EPA 549.1	SAMPLE COMMENTS
535XDSAHN-GR	04/29/08	16:00	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XDSAGR-GR	04/29/08	12:00	FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XSSAQR-GR	04/29/08	11:20	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XDCAGR-GR	04/29/08	12:50	FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XMCARR-GR	04/29/08	14:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535DMCAHF-GR	04/29/08	13:50	FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	Analyze for Dibunon only
535XHDACA-GR	04/29/08	09:40	FW	1	1-L Amber Glass	Ice	X	X	X	X	X	X	

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com  
 \* See project-specific guidelines for exact analyses

Signature	Relinquished By	Signature	Relinquished By
<u>Frank Wolff</u>	<u>Frank Wolff</u>	<u>Don Richards</u>	<u>Don Richards</u>
Print Name: Frank Wolff	Print Name: Frank Wolff	Print Name: Don Richards	Print Name: Don Richards
Organization: MLJ-LLC	Organization: MLJ-LLC	Organization: EX MILB	Organization: EX MILB
Date: 04/29/08 Time 18:30	Date: 04/29/08 Time 18:30	Date: 04/29/08 Time 19:30	Date: 04/29/08 Time 19:30
Signature: <u>Don Richards</u>	Signature: <u>Don Richards</u>	Signature: <u>Don Richards</u>	Signature: <u>Don Richards</u>
Print Name: Don Richards			
Organization: EX MILB	Organization: EX MILB	Organization: EX MILB	Organization: EX MILB
Date: 04/29/08 Time 18:30			

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Office: (530) 756-5200 Fax: (530) 756-5225

# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: C. Katz A. Siadatou  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Perquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XWDVAVR-GR	5/20/08	8:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHDATR-GR	5/20/08	10:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XLDARA-GR	5/20/08	15:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XPDCL-GR	5/20/08	12:00	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHDACA-GR	5/20/08	13:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XWDVAVR-MS	5/20/08	8:50	FW	3	1-Gal Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XWDVAVR-FD	5/20/08	8:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XWDVAVR-FB	5/20/08	8:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Amber Glass	Ice							

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com  
 \* See project-specific guidelines for exact analyte list.

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>ALLISON SIADATOU</u>	Print Name: <u>DOUG RICHARDS</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>EP MUIE</u>
Date: <u>5/20/08</u> Time: <u>19:30</u>	Date: <u>5/21/08</u> Time: <u>11:05</u>
Received By: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>DOUG RICHARDS</u>	Print Name: <u>C. Katz</u>
Organization: <u>EP MUIE</u>	Organization: <u>MLJ-LLC</u>
Date: <u>5-20-08</u> Time: <u>19:30</u>	Date: <u>05/21/08</u> Time: <u>11:05</u>

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
**ECOSYSTEMS CONSULTING**  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE (530) 756-5220 FAX (530) 756-5225

# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By:  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carmate pesticides by EPA 8321 or EPA 832	Organochlorine pesticides by EPA 8081A or EPA 608*	EPA 608+ Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 8141A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDCAWR-GR	05/20/08	08:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
<del>535XCAEA-GR</del>				1	1-L Amber Glass	Ice	X	X	X	X	X	X	<del>PRE SITE</del>
535XSDAMD-GR	05/20/08	11:00	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCALR-GR	05/20/08	12:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMRSPD-GR	05/20/08	11:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCHNIN-GR	05/20/08	13:40	FW	1	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Amber Glass	Ice							

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mij-llc.com  
 \* See project-specific guidelines for exact analyte list

Relinquished By	Relinquished By
Signature: <i>Ben Jones</i>	Signature: <i>Ben Jones</i>
Print Name: BEN JONES	Print Name: Ben Jones
Organization: MLJ-LLC	Organization: Ben Jones
Date: 05/20/08 Time: 19:30	Date: 05/21/08 Time: 1105
Received By	Received By
Signature: <i>Ben Jones</i>	Signature: <i>Ben Jones</i>
Print Name: DOUG RICHARDS	Print Name: Ben Jones
Organization: EX MILE	Organization: Ben Jones
Date: 05/20/08 Time: 1930	Date: 05/21/08 Time: 1005
Temperature at Log In: (°C)	

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL J. JOHNSON LLC**  
 WATER  
 ECOSYSTEMS CONSULTANTS  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

**APPL CHAIN-OF-CUSTODY RECORD**

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 8141A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDSAHN-GR	05/27/08	15:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XDSAGR-GR	05/27/08	10:40	FW	5	1-L Brown Poly	Ice	X	X	X	X	X	X	
<del>535XDSAGR-GR</del>				5	1-L Amber Glass	Ice	X	X	X	X	X	X	<del>SITE DRY</del>
535XDCAGR-GR	05/27/08	12:50	FW	5	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XMCARR-GR	05/27/08	14:20	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535DMCAHF-GR	05/27/08	13:30	FW	5	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XDSAGR-MS	05/27/08	10:40	FW	3	1-68 Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XDSAGR-FD	05/27/08	10:40	FW	5	1-L Brown Poly	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XDSAGR-FB	05/27/08	10:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XBCAKR-GR	05/27/08	16:40	FW	4	1-L Brown Poly	Ice	X	X	X	X	X	X	

Comments:  
 Please fax signed and completed COC to MJJ LLC:  
 (530) 756-5225, or email to jkatz@mjj-llc.com  
 \* See project-specific guidelines for exact analyses

Relinquished By	Relinquished By
Signature: <u>Frank Wolff</u>	Signature: <u>Doug Johnson</u>
Print Name: <u>Frank Wolff</u>	Print Name: <u>DOUG RICHARDS</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>EX MILK</u>
Date: <u>05/27/08</u> Time: <u>17:28</u>	Date: <u>5-27-08</u> Time: <u>1830</u>
Received By:	Received By:
Signature: <u>Doug Richards</u>	Signature: <u>[Signature]</u>
Print Name: <u>DOUG RICHARDS</u>	Print Name: <u>C. MOLO</u>
Organization: <u>EX MILK</u>	Organization: <u>APPL - FMC</u>
Date: <u>5-27-08</u> Time: <u>1728</u>	Date: <u>05/28/08</u> Time: <u>0800</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **B. JONES, F. WULFF**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 8141A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
545XCCART-GR	05/27/08	10:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535BRCAYR-GR	05/27/08	15:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XDCAE-GR	05/27/08	12:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XASAT-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Dry side
545XASATE-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Dry side

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mij-llc.com  
 \* See project-specific guidelines for exact analyses

Relinquished By	Relinquished By
Signature: <i>Ben Jones</i>	Signature: <i>Doug Richards</i>
Print Name: BEN JONES	Print Name: DOUG RICHARDS
Organization: MLJ-LLC	Organization: EX MILE
Date: 5/27/08 Time: 17:26	Date: 5-27-08 Time: 1830
Received By	Received By
Signature: <i>Doug Richards</i>	Signature: <i>C. Mowa</i>
Print Name: DOUG RICHARDS	Print Name: C. Mowa
Organization: EX MILE	Organization: Appl. INC.
Date: 5-27-08 Time: 1726	Date: 05/28/08 Time: 0800

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **J. Katz, C. Plant**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XWDVAVR-GR	6/17/08	8:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHDATR-GR	6/17/08	10:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XLDARA-GR	6/17/08	15:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XPFDCI-GR	6/17/08	11:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHDACA-GR	6/17/08	13:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XLDARA-MS	6/17/08	15:30	FW	3	1-L Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XLDARA-FD	6/17/08	15:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XLDARA-FB	6/17/08	15:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Amber Glass	Ice							

Comments:  
 Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mij-llc.com  
 \* See project-specific guidelines for exact analyte list

Signature	Jonathan Faiz	Relinquished By	Signature	Don Richards
Print Name	JONATHAN FAIZ	Print Name	DOUG RICHARDS	
Organization	MLJ LLC	Organization	EX MILF	
Date	06/17/08	Date	6-17-08	
Time	17:13	Time	1815	
Received By		Received By		
Signature	Don Richards	Signature	C. Moun	
Print Name	DOUG RICHARDS	Print Name	C. Moun	
Organization	EX MILF	Organization	APPL - INC.	
Date	6-17-08	Date	06/15/08	
Time	1719	Time	0800	

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, D. Corcoran  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDCAWR-GR	06/17/08	09:00	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMCFA-GR			FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XSDAMD-GR	06/17/08	10:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Dr. 5.47
535XHICALR-GR	06/17/08	17:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMRSFD-GR	06/17/08	12:00	FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XHCHINN-GR	06/17/08	13:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Brown Poly	Ice	X	X	X	X	X	X	

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mij-llc.com  
 \* See project-specific guidelines for exact analyte list

<p>Relinquished By: <u>Daniel Corcoran</u>          Signature: <u>[Signature]</u>          Print Name: <u>Daniel Corcoran</u>          Organization: <u>MLJ-LLC</u>          Date: <u>06/17/08</u> Time: <u>17:13</u></p>	<p>Relinquished By: <u>Don Richards</u>          Signature: <u>[Signature]</u>          Print Name: <u>Don Richards</u>          Organization: <u>EX MICE</u>          Date: <u>6-17-08</u> Time: <u>1815</u></p>
<p>Received By: <u>Don Richards</u>          Signature: <u>[Signature]</u>          Print Name: <u>Don Richards</u>          Organization: <u>EX MICE</u>          Date: <u>6-17-08</u> Time: <u>17:13</u></p>	<p>Received By: <u>[Signature]</u>          Signature: <u>[Signature]</u>          Print Name: <u>C. Moun</u>          Organization: <u>APPL. FILL</u>          Date: <u>06/16/08</u> Time: <u>0500</u></p>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRM = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICES: (530) 756-5200 FAX: (530) 756-0225

**APPL CHAIN-OF-CUSTODY RECORD**

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 8141A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDSAHN-GR	6/24/08	05:20	FW	4	4-L Amber Glass	Ice	X	X	X	X	X	X	
535XDSAGR-GR	6/24/08	10:10	FW	5	4-L Amber Glass	Ice	X	X	X	X	X	X	
535XSSAQR-GR	6/24/08	09:20	FW	5	4-L Amber Glass	Ice	X	X	X	X	X	X	
535XDQAGR-GR	6/24/08	11:00	FW	5	4-L Amber Glass	Ice	X	X	X	X	X	X	
535XMCARR-GR	6/24/08	14:10	FW	5	4-L Amber Glass	Ice	X	X	X	X	X	X	
535DMCAHF-GR	6/24/08	12:00	FW	5	4-L Amber Glass	Ice	X	X	X	X	X	X	
535DMCAHF-MS	6/24/08	12:00	FW	3	4-oz Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535DMCAHF-FD	6/24/08	12:00	FW	5	4-oz Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535DMCAHF-FB	6/24/08	12:00	FW	5	4-oz Amber Glass	Ice	X	X	X	X	X	X	

Comments:  
 Please fax signed and completed COC to MJJ LLC:  
 (530) 756-5225, or email to jkatz@mjj-llc.com  
 \* See project-specific guidelines for exact analyses

Relinquished By	Relinquished By
Signature: Jonathan Katz	Signature: Doug Richards
Print Name: JONATHAN KATZ	Print Name: DOUG RICHARDS
Organization: MJJ LLC	Organization: E3P MILE
Date: 06/25/08 Time: 06:55	Date: 06/25/08 Time: 10:15
Received By: Doug Richards	Received By: Doug Richards
Signature: Doug Richards	Signature: Doug Richards
Print Name: DOUG RICHARDS	Print Name: DOUG RICHARDS
Organization: E3P MILE	Organization: APPL INC
Date: 06/25/08 Time: 06:55	Date: 06/25/08 Time: 10:15

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL I. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, C. Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 8141A*	Parquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XBCAKR-GR	06/24/08	16:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535BRCAYR-GR	06/24/08	15:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XDCARE-GR	06/24/08	11:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XRSRAT-GR	06/24/08		FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XBSRAE-GR			NW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Drq site
545XCCART-GR	06/24/08	10:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Brown Poly	Ice							

Comments:  
 Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mlj-llc.com  
 \* See project-specific guidelines for exact analyses

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>JONATHAN KATZ</u>	Print Name: <u>DAVID RICHMONS</u>
Organization: <u>MLJ LLC</u>	Organization: <u>BE MILE</u>
Date: <u>06/25/08</u> Time: <u>06:55</u>	Date: <u>06/25/08</u> Time: <u>10:15</u>
Received By: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Print Name: <u>DOUG RICHMONS</u>	Print Name: <u>ERIC S. STANSON</u>
Organization: <u>EX MILE</u>	Organization: <u>APPL, INC</u>
Date: <u>06-25-08</u> Time: <u>6:55</u>	Date: <u>06/25/2008</u> Time: <u>10:15AM</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater







# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: FW J P D Carstrom  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 8141A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 8141A*	Parquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDCAWR-GR	07/22/08	08:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMGAEA-GR	07/22/08	09:50	FW	1	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XSDAMD-GR	07/22/08	11:00	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCALR-GR	07/22/08	14:00	FW	5	1-L Brown Poly	Ice	X	X	X	X	X	X	
535XMRSFD-GR	07/22/08	15:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCHNN-GR	07/22/08	15:00	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XSDAMD-MS	07/22/08	11:00	FW	3	1-Gal Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XSDAMD-FD	07/22/08	11:00	FW	5	1-L Brown Poly	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XSDAMD-FB	07/22/08	11:00	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Brown Poly	Ice	X	X	X	X	X	X	

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com  
 \* See project-specific guidelines for exact analyte list

Relinquished By	Relinquished By
Signature: <u>Daniel Carstrom</u>	Signature: <u>Doug Richards</u>
Print Name: <u>Daniel Carstrom</u>	Print Name: <u>DOUG RICHARDS</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>EL MILE</u>
Date: <u>07-22-08</u> Time: <u>17:20</u>	Date: <u>7-22-08</u> Time: <u>1830</u>
Received By	Received By
Signature: <u>Doug Richards</u>	Signature: <u>C. Mowa</u>
Print Name: <u>DOUG RICHARDS</u>	Print Name: <u>APPL-INS.</u>
Organization: <u>EL MILE</u>	Organization: <u>APPL-INS.</u>
Date: <u>7-22-08</u> Time: <u>1720</u>	Date: <u>07/23/08</u> Time: <u>0800</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **JONATHAN KATZ, BEN JAMES**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XWDAVR-GR	7/22/08	9:00	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHDATR-GR	7/22/08	9:50	FW	1	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XLDARA-GR	7/22/08	15:20	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XPFDCI-GR	7/22/08	10:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHDACA-GR	7/22/08	12:10	FW	1	1-L Amber Glass	Ice	X	X	X	X	X	X	

Comments:  
 Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mlj-llc.com  
 \* See project-specific guidelines for exact analyte list

Relinquished By	Relinquished By
Signature: <i>[Signature]</i> Print Name: BEN JAMES Organization: MLJ-LLC	Signature: <i>[Signature]</i> Print Name: DOUG RICHARDS Organization: EX MILE
Date: 7/22/08 Time: 17:15 Received By: <i>[Signature]</i>	Date: 7/22/08 Time: 18:30 Received By: <i>[Signature]</i>
Signature: <i>[Signature]</i> Print Name: DOUG RICHARDS Organization: EX MILE	Signature: <i>[Signature]</i> Print Name: C. MOWA Organization: APPL-INC.
Date: 7/22/08 Time: 1715	Date: 07/23/08 Time: 0800

Matrix codes: SED = sediment, FW = freshwater, STRMW = stormwater





# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, BEN JONES  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	EPA 632* Carbamate pesticides by EPA 8321 or 8081A or EPA 608*	EPA 608* Pyrethroid pesticides by EPA 8081A or 8081A or EPA 608*	EPA 814A or EPA 614* Organophosphorus pesticides by EPA 814A or EPA 614*	EPA 814A* Herbicides by EPA 619, EPA 8321, Perquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDSAHN-GR	7/29/08	17:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	
535XDSAGR-GR	7/29/08	11:00	FW	5	1-L Amber Glass	Ice	X	X	X	X	
535XSSAQR-GR	7/29/08	10:10	FW	1	1-L Amber Glass	Ice	X	X	X	X	
535XDCAGR-GR	7/29/08	11:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	
535XMCARR-GR	7/29/08	15:20	FW	1	1-L Amber Glass	Ice	X	X	X	X	
535DMCAHF-GR	7/29/08	12:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	
535XMCARR-MS	7/29/08	15:20	FW	3	1-L Amber Glass	Ice	X	X	X	X	MATRIX SPIKE
535XMCARR-FD	7/29/08	15:20	FW	1	1-L Amber Glass	Ice	X	X	X	X	MATRIX SPIKE
535XMCARR-FB	7/29/08	15:20	FW	5	1-L Amber Glass	Ice	X	X	X	X	
				1	1-L Amber Glass	Ice	X	X	X	X	

Comments:  
 Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mlj-llc.com  
 \* See project-specific guidelines for exact analyses

Signature	Print Name	Organization	Date	Time	Received By
<i>Jonathan Katz</i>	JONATHAN KATZ	MLJ-LLC	7/29/08	19:33	<i>Doug Richards</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
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					<i>2045</i>
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					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
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					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
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					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>
					<i>EX MILK</i>
					<i>7-29-08</i>
					<i>2045</i>



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Walpe, C. Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Phenol pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XBCAKR-GR	07/29/08	18:00	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535BRCAVR-GR	7/29/08	18:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XDCARE-GR	07/29/08	15:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XASAAV-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Org side
545XBSAAE-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Org side
545XCART-GR	07/29/08	15:10	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Brown Poly	Ice							

Comments:  
 Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mij-llc.com  
 \* See project-specific guidelines for exact analyses

Relinquished By	Received By
Signature: <u>Carolyn K Plant</u>	Signature: <u>[Signature]</u>
Print Name: <u>Carolyn K Plant</u>	Print Name: <u>C. Moya</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>ATP L. JVE</u>
Date: <u>7/29/08</u> Time: <u>19:33</u>	Date: <u>07/30/08</u> Time: <u>08:00</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>DOUG RICHARDS</u>	Print Name: <u>ATP L. JVE</u>
Organization: <u>EX MILK</u>	Organization: <u>ATP L. JVE</u>
Date: <u>7-29-08</u> Time: <u>1933</u>	Date: <u>07/30/08</u> Time: <u>0800</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater







# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 9321, EPA 8141A*	Perquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDCAWR-GR	8/19/08	8:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMGASA-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XSDAMD-GR	8/19/08	11:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCALR-GR	08/19/08	14:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMRSFD-GR	8/19/08	12:40	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCHNN-GR	08/19/08	16:00	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCALR-MS	08/19/08	14:10	FW	3	1-Gal Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XHCALR-62	08/19/08	14:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XHCALR-FB	08/19/08	14:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	

→ Dry Site

Comments:  
 Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mij-llc.com  
 \* See project-specific guidelines for exact analyte list

Signature	Print Name	Organization	Date	Time	Received By
<i>Jonathan Katz</i>	JONATHAN KATZ	MLJ LLC	8/19/08	17:30	<i>James Mow</i>
<i>Doug Richards</i>	DOUG RICHARDS	EX MILVE	8-19-08	1900	<i>James Mow</i>
<i>James Mow</i>	JAMES MOW	APPL INC	8-20-08	0800	

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave, Suite 175, Davis, CA 95618  
 Sampled By: FRANK WULF, DANIEL COOPERAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 8321, EPA 814A*	Parquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XBCKAKR-GR	8/26/08	16:00	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535BRCAYR-GR	8/26/08	16:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XDCARE-GR	8/26/08	12:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XSAAT-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XBSAAE-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Dry Side
545XCCART-GR	8/26/08	10:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XDCARE-MS	8/26/08	12:30	FW	3	1-Gal Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
545XDCARE-GR2	8/26/08	12:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
545XDCARE-FB	8/26/08	12:30	FW	1	1-L Amber Glass	Ice	X	X	X	X	X	X	

Comments:

Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mjl-llc.com  
 \* See project-specific guidelines for exact analyses

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>JONATHAN KATZ</u>	Print Name: <u>DOUG RICHARDS</u>
Organization: <u>MLJ LLC</u>	Organization: <u>FAP N126</u>
Date: <u>8/26/08</u> Time: <u>20:30</u>	Date: <u>8/26/08</u> Time: <u>1100</u>
Received By	Received By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>DOUG RICHARDS</u>	Print Name: <u>Tom Vong</u>
Organization: <u>FAP N126</u>	Organization: <u>APPL INC</u>
Date: <u>8/26/08</u> Time: <u>2030</u>	Date: <u>8/27/08</u> Time: <u>11:05</u>

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, CAROLYN PLANT  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632*	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 621, EPA 8141A*	Parquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XDSAHN-GR	8/26/08	14:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XDSAGR-GR	8/26/08	9:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XSSAQR-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	SITE DRY
535XDCAGR-GR	8/26/08	10:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	SAMPLE TIME 10:40
535XMCARR-GR	8/26/08	13:00	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535DMCAHF-GR	8/26/08	11:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Amber Glass	Ice							

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com  
 \* See project-specific guidelines for exact analyses

Relinquished By	Relinquished By
Signature: <u>Jonathan Katz</u>	Signature: <u>[Signature]</u>
Print Name: <u>JONATHAN KATZ</u>	Print Name: <u>David Richards</u>
Organization: <u>MLJ LLC</u>	Organization: <u>EP MILK</u>
Date: <u>8/26/08</u> Time: <u>20:30</u>	Date: <u>8-27-08</u> Time: <u>1100</u>
Signature: <u>Ray Miller</u>	Signature: <u>[Signature]</u>
Print Name: <u>DOUG RICHARDS</u>	Print Name: <u>Tom Vong</u>
Organization: <u>EP MILK</u>	Organization: <u>Appl IA</u>
Date: <u>8-24-08</u> Time: <u>2030</u>	Date: <u>8/27/08</u> Time: <u>1105</u>

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL J. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, S. Henderson  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 837	Organochlorine pesticides by EPA 8081A or EPA 808*	Pyrethroid pesticides by EPA 8081A or EPA 808*	Organophosphorus pesticides by EPA 814A or EPA 814*	Herbicides by EPA 819, EPA 821, EPA 814A*	Parquat dichloride by EPA 849.1	SAMPLE COMMENTS
535XDCAWR-GR	09/23/08	8:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XACABA-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Dry Side
535XSDAMD-GR	09/23/08	11:20	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCALR-GR	09/23/08	13:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMRSPD-GR	09/23/08	12:10	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XHCHNM-GR	09/23/08	13:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
				1	1-L Brown Poly	Ice							

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com  
 \* See project-specific guidelines for exact analyte list

Relinquished By	Received By
Signature: <u>Frank Wolff</u>	Signature: <u>Paul Buehler</u>
Print Name: <u>Frank Wolff</u>	Print Name: <u>Paul Buehler</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>CHML Eye Mona</u>
Date: <u>09/23/08</u> Time: <u>16:50</u>	Date: <u>9-23-08</u> Time: <u>1700</u>
Signature: <u>Paul Buehler</u>	Signature: <u>Paul Buehler</u>
Print Name: <u>Paul Buehler</u>	Print Name: <u>Paul Buehler</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>APPL INC</u>
Date: <u>09/23/08</u> Time: <u>16:50</u>	Date: <u>9-23-08</u> Time: <u>0800</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, GABRIELE BOHRER  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632	Organochlorine pesticides by EPA 8081A or EPA 608	Pyrethroid pesticides by EPA 8081A or EPA 608	Organophosphorus pesticides by EPA 814A or EPA 614	Herbicides by EPA 619, EPA 621, EPA 814A	Parquat dichloride by EPA 549.1	SAMPLE COMMENTS
1	9/23/08	9:20	FW	5	1-L Amber Glass	Ice	X	X	X	X	X		
2				1	1-L Brown Poly	Ice							
3	9/23/08	10:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X		
4				1	1-L Brown Poly	Ice							
5	9/23/08	15:20	FW	5	1-L Amber Glass	Ice	X	X	X	X	X		
6				1	1-L Brown Poly	Ice							
7	9/23/08	11:00	FW	4	1-L Amber Glass	Ice	X	X	X	X	X		
8				1	1-L Brown Poly	Ice							
9	9/23/08	12:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X		
10				1	1-L Brown Poly	Ice							
11	9/23/08	12:40	FW	3	1-L Amber Glass	Ice	X	X	X	X	X		MATRIX SPIKE
12				1	1-L Brown Poly	Ice							MATRIX SPIKE
13	9/23/08	12:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X		
14				1	1-L Brown Poly	Ice							
15	9/23/08	12:40	FW	5	1-L Amber Glass	Ice	X	X	X	X	X		
16				1	1-L Brown Poly	Ice							
17													
18													

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com  
 \* See project-specific guidelines for exact analyte list

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>JONATHAN KATZ</u>	Print Name: <u>DOUG RICHARDS</u>
Organization: <u>MLJ LLC</u>	Organization: <u>ES MILE</u>
Date: <u>9/23/08</u> Time: <u>16:50</u>	Date: <u>9-23-08</u> Time: <u>1900</u>
Received By	Received By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>DOUG RICHARDS</u>	Print Name: <u>CHUCK FINE</u>
Organization: <u>ES MILE</u>	Organization: <u>APPL INC</u>
Date: <u>9-23-08</u> Time: <u>1150</u>	Date: <u>9-23-08</u> Time: <u>0800</u>

Matrix codes: SED = sediment, FW = freshwater, WTW = wastewater, STRMW = stormwater



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **F. Wolff, S. Henderson**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative		SAMPLE COMMENTS
						I-L Amber Glass	Ice	
1 535XDCWF-GR	09/23/08	9:50	FW	1	I-L Amber Glass			Chlorpyrifos Only
2 535XPFDMR-GR	09/23/08	11:50	FW	1	I-L Amber Glass			Chlorpyrifos Only
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

Organophosphates: Chlorpyrifos  
 Only, EPA 8141A

Comments:  
 Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225  
 September Management Plan Sampling

Signature: *Frank Wolff*  
 Print Name: Frank Wolff  
 Organization: MLJ-LLC  
 Date: 09/23/08 Time: 16:50

Signature: *Doug Richards*  
 Print Name: Doug Richards  
 Organization: APPL INC  
 Date: 9-23-08 Time: 1650

Signature: *Doug Richards*  
 Print Name: Doug Richards  
 Organization: APPL INC  
 Date: 9-23-08 Time: 1900

Signature: *Chad Bennett*  
 Print Name: Chad Bennett  
 Organization: APPL INC  
 Date: 9-24-08 Time: 0800

Temperature at Log In:  
 (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# APPL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Muller, S. Henderson  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carbamate pesticides by EPA 8321 or EPA 632	Organochlorine pesticides by EPA 8081A or EPA 608*	Pyrethroid pesticides by EPA 8081A or EPA 608*	Organophosphorus pesticides by EPA 814A or EPA 614*	Nericides by EPA 619, EPA 8321, EPA 814A*	Parquat (chloride) by EPA 849.1	SAMPLE COMMENTS
535XDSAHN-GR	9/30/08	15:10	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XDSAGR-GR	9/30/08	9:10	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XSSAQB-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Dry Site
535XDCAGR-GR	9/30/08	10:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XMCARR-GR	9/30/08	13:50	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535DMCAHF-GR	9/30/08	10:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
535XDCAGR-MS	9/30/08	10:30	FW	3	1-Gal Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XDCAGR-GR2	9/30/08	10:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	MATRIX SPIKE
535XDCAGR-FB	9/30/08	10:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	

Comments:

Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mjl-llc.com  
 \* See project-specific guidelines for exact analyses

Relinquished By	Relinquished By
Signature: J. Katz	Signature: Doug Miller
Print Name: Stephanie Henderson	Print Name: Doug Richardson
Organization: MLJ-LLC	Organization: Epe MILE
Date: 9/30/08 Time: 16:34	Date: 9-30-08 Time: 1740
Received By:	Received By:
Signature: Doug Miller	Signature: Chue Fae Monro
Print Name: Doug Richardson	Print Name: Chue Fae Monro
Organization: Epe MILE	Organization: APRIL INC
Date: 9-30-08 Time: 1634	Date: 10-10-08 Time: 0800

Temperature at Log In: (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

# APPL CHAIN-OF-CUSTODY RECORD



Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, GABRIELLE BOWLER  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Carnate pesticides by EPA 8321 or EPA 832*	Organochlorine pesticides by EPA 8081A or EPA 408*	Pyrethroid pesticides by EPA 8081A or EPA 408*	Organophosphorus pesticides by EPA 814A or EPA 614*	Herbicides by EPA 619, EPA 9321, EPA 8191A*	Paraquat dichloride by EPA 549.1	SAMPLE COMMENTS
535XBCKR-GR	9-30-08 13:30	13:30	FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	
535BRCAYR-GR	9-30-08	14:30	FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	
545XBCARE-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Site Dry
545XBSAAE-GR			FW	5	1-L Amber Glass	Ice	X	X	X	X	X	X	Site Dry
545XGCART-GR			FW	4	1-L Amber Glass	Ice	X	X	X	X	X	X	Site Dry
				1	1-L Brown Poly	Ice	X	X	X	X	X	X	Site Dry

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com  
 \* See project-specific guidelines for exact analyses

Signature	<u>MLJ LLC</u>	Relinquished By	<u>Don Miller</u>
Print Name	<u>Gabrielle Bowler</u>	Signature	<u>Don Miller</u>
Organization	<u>MLJ-LLC</u>	Print Name	<u>DOUG RICHMOND</u>
Date	<u>9-30-08</u> Time <u>16:33</u>	Organization	<u>MLJ LLC</u>
Signature	<u>Don Miller</u>	Date	<u>9-30-08</u> Time <u>1740</u>
Print Name	<u>DOUG RICHMOND</u>	Received By	
Organization	<u>MLJ LLC</u>	Signature	
Date	<u>9-30-08</u> Time <u>1633</u>	Print Name	
		Organization	
		Date	
		Time	

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**Water Toxicity Analysis**  
**AQUA-Science**







# AQUAScience CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, B. Jones, J. Kote, A. S. Adair  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	SAMPLE COMMENTS
1 535XHDATR-RS ✓	04/29/08	08:50	FW	3	1-G Amber Glass	Ice	Chronic Selenastrum capricornum X
2 535XWDADR-RS ✓	04/29/08	08:30	FW	3	1-G Amber Glass	Ice	X
3 535XHCHNN-RS ✓	04/29/08	08:30	FW	3	1-G Amber Glass	Ice	X
4 535XHDACA-RS ✓	04/29/08	09:40	FW	2	1-G Amber Glass	Ice	X
5 535XLDARA-RS ✓	04/29/08	10:30	FW	3	1-G Amber Glass	Ice	X
6 535XPFDCI-RS ✓	04/29/08	09:10	FW	2	1-G Amber Glass	Ice	X
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

Comments: Resampling due to Selenastrum toxicity on 04/22/08

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature
Print Name: <u>Jonathan Katz</u>	Print Name
Organization: <u>MLJ-LLC</u>	Organization
Date: <u>04/30/08</u> Time: <u>08:45</u>	Date Time
Received By	Received By
Signature: <u>[Signature]</u>	Signature
Print Name: <u>Curtis Yip</u>	Print Name
Organization: <u>AquasScience</u>	Organization
Date: <u>4/30/08</u> Time: <u>08:50</u>	Date Time

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL L JOHNSON LLC**  
**ECOSYSTEMS CONSULTING**  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# AQUAScience CHAIN-OF-CUSTODY RECORD

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, BEN JAMES  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	SAMPLE COMMENTS
1 535BRCAKR-GR	05/07/08	15:30	FW	3	1-Gal Amber	Ice	Acute Ceriodaphnia dubia X
2 535XHCHNN-GR	05/07/08	11:50	FW	3	1-Gal Amber	Ice	X
3 535XBCKAKR-GR	05/07/08	14:40	FW	3	1-Gal Amber	Ice	X
4							
5							
6							
7							
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10							
11							
12							
13							
14							
15							
16							
17							
18							

Comments: May Management Plan Sampling

Relinquished By	Relinquished By
Signature: Jonathan Katz	Signature: Jonathan Katz
Print Name: JONATHAN KATZ	Print Name: JONATHAN KATZ
Organization: MJJ-LLC	Organization: MJJ-LLC
Date: 05/08/08 Time: 09:10	Date: 05/08/08 Time: 09:10
Received By	Received By
Signature: Cecilia Walker	Signature: Cecilia Walker
Print Name: Cecilia Walker	Print Name: Cecilia Walker
Organization: AQUAScience	Organization: AQUAScience
Date: 05/08/08 Time: 0908	Date: 05/08/08 Time: 0908

Temperature at Log In: (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# AQUASCIENCE CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN, FRANK WULF  
BEN JAMES  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Acute Ceriodaphnia dubia	Acute Pimephales promelas	Chronic Selenastrum capricornutum	SAMPLE COMMENTS
1 535XMCARR-GR	05/27/08	14:20	FW	5	1-Gal Amber	Ice	X	X	X	
2 535XDSAHR-GR	05/27/08	15:30	FW	5	1-Gal Amber	Ice	X	X	X	
3 535XBCAKR-GR	05/27/08	16:40	FW	5	1-Gal Amber	Ice	X	X	X	
4 535BRCAJR-GR	05/27/08	15:40	FW	5	1-Gal Amber	Ice	X	X	X	
5 545XCCART-GR	05/27/08	10:40	FW	5	1-Gal Amber	Ice	X	X	X	
6 545XDCARE-GR	05/27/08	12:30	FW	5	1-Gal Amber	Ice	X	X	X	
7 <del>545XBSAAR-GR</del>	<del>05/27/08</del>	<del>12:30</del>	<del>FW</del>	<del>5</del>	<del>1-Gal Amber</del>	<del>Ice</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>SITE DRY</del>
8 545XASAAAT-GR	05/27/08	10:40	FW	5	1-Gal Amber	Ice	X	X	X	<del>SITE DRY</del>
9 535XDSAGR-GR	05/27/08	10:40	FW	5	1-Gal Amber	Ice	X	X	X	
10 <del>535XDSAGR-GR</del>	<del>05/27/08</del>	<del>12:40</del>	<del>FW</del>	<del>5</del>	<del>1-Gal Amber</del>	<del>Ice</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>SITE DRY</del>
11 535XDCAGR-GR	05/27/08	12:40	FW	5	1-Gal Amber	Ice	X	X	X	
12 535DMCAHF-GR	05/27/08	13:30	FW	5	1-Gal Amber	Ice	X	X	X	
13 535XDSAGR-FD	05/27/08	10:40	FW	5	1-Gal Amber	Ice	X	X	X	
14 <del>545XBSARIN-GR</del>	<del>05/27/08</del>	<del>10:40</del>	<del>FW</del>	<del>3</del>	<del>1-Gal Amber</del>	<del>Ice</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>Upstream-Management-Plan-Sample</del> <b>SITE DRY</b>
15										
16										
17										
18										

Comments:

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature
Print Name: <u>JONATHAN KATZ</u>	Print Name
Organization: <u>MLJ LLC</u>	Organization
Date: <u>05/27/08</u> Time: <u>8:58</u>	Date Time
Received By	Received By
Signature: <u>[Signature]</u>	Signature
Print Name: <u>Cecilia Walker</u>	Print Name
Organization: <u>AQUA SCIENCE</u>	Organization
Date: <u>05/28/08</u> Time: <u>0900</u>	Date Time

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# AQUAScience CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL COLOMAN, FRANK WULF, BEN JONG  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: EAST SAN JOAQUIN WATER QUALITY COALITION

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Acute Ceriodaphnia dubia	Acute Fimephales promelas	Chronic Selenastrum capricornutum	SAMPLE COMMENTS
1. <u>535X-HCAR-RS</u>	<u>5/27/08</u>	<u>19:20</u>	<u>FW</u>	<u>3</u>	<u>1-Gal Amber</u>	<u>ICE</u>			<u>X</u>	
2. <u>535X-HOANN-RS</u>	<u>5/27/08</u>	<u>19:00</u>	<u>FW</u>	<u>3</u>	<u>1-Gal Amber</u>	<u>ICE</u>			<u>X</u>	
3. <u>535X-LDARA-RS</u>	<u>5/27/08</u>	<u>18:30</u>	<u>FW</u>	<u>3</u>	<u>1-Gal Amber</u>	<u>ICE</u>			<u>X</u>	
4. <u>535X-HDAR-RS</u>	<u>5/27/08</u>	<u>19:10</u>	<u>FW</u>	<u>3</u>	<u>1-Gal Amber</u>	<u>ICE</u>			<u>X</u>	
5. <u>535X-PEDCL-RS</u>	<u>5/27/08</u>	<u>18:40</u>	<u>FW</u>	<u>3</u>	<u>1-Gal Amber</u>	<u>ICE</u>			<u>X</u>	
6.										
7.										
8.										
9.										
10.										
11.										
12.										
13.										
14.										
15.										
16.										
17.										
18.										

Comments:

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature
Print Name: <u>JONATHAN KATZ</u>	Print Name
Organization: <u>MLJ LLC</u>	Organization
Date: <u>05/28/08</u> Time: <u>8:58</u>	Date Time
Received By	Received By
Signature: <u>[Signature]</u>	Signature
Print Name: <u>CAROLINA WALKER</u>	Print Name
Organization: <u>AQUA SERVICE</u>	Organization
Date: <u>05/28/08</u> Time: <u>0900</u>	Date Time

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# AQUAScience CHAIN-OF-CUSTODY RECORD

Client Name:	MLJ-LLC
Address:	1490 Drew Ave. Suite 175, Davis, CA 95618
Sampled By:	JONATHAN KATZ, BEN JAMES
Phone:	(530) 756-5200
Fax:	(530) 756-5225
Project Manager:	Michael Johnson
Project Name:	East San Joaquin Water Quality Coalition

1	Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	SAMPLE COMMENTS
2	535XHICALR-GR	06/03/08	11:50	FW	3	1-Gal Amber Ice		Acute Ceriodaphnia dubia X
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

Comments: May Management Plan Sampling	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Relinquished By</th> <th style="width: 50%;">Received By</th> </tr> <tr> <td>Signature: <i>[Signature]</i></td> <td>Signature: <i>[Signature]</i></td> </tr> <tr> <td>Print Name: JONATHAN KATZ</td> <td>Print Name: MARY ANN CONCEPCION</td> </tr> <tr> <td>Organization: MLJ LLC</td> <td>Organization: AQUASCIENCE</td> </tr> <tr> <td>Date: 06/04/08</td> <td>Date: 06/10/08</td> </tr> <tr> <td>Time: 09:05</td> <td>Time: 09:05</td> </tr> </table>	Relinquished By	Received By	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Print Name: JONATHAN KATZ	Print Name: MARY ANN CONCEPCION	Organization: MLJ LLC	Organization: AQUASCIENCE	Date: 06/04/08	Date: 06/10/08	Time: 09:05	Time: 09:05
Relinquished By	Received By												
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>												
Print Name: JONATHAN KATZ	Print Name: MARY ANN CONCEPCION												
Organization: MLJ LLC	Organization: AQUASCIENCE												
Date: 06/04/08	Date: 06/10/08												
Time: 09:05	Time: 09:05												
Temperature at Log In: _____ (°C)													

**Matrix codes:** SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





# AQUAScience CHAIN-OF-CUSTODY RECORD

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN, FRANK WULFE, CAROLYN PLANT  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Acute Ceriodaphnia dubia	Acute Pimephales promelas	Chronic Selenastrum capricornutum	SAMPLE COMMENTS
1 535XMCARR-GR	6/24/08	14:10	FW	5	1-Gal Amber	Ice	X	X	X	
2 535XDSAHN-GR	6/24/08	15:10	FW	5	1-Gal Amber	Ice	X	X	X	
3 535XBCAKR-GR	6/24/08	16:50	FW	5	1-Gal Amber	Ice	X	X	X	
4 535BRCAJR-GR	6/24/08	15:30	FW	5	1-Gal Amber	Ice	X	X	X	
5 545XCCART-GR	6/24/08	10:30	FW	5	1-Gal Amber	Ice	X	X	X	
6 545XDCARE-GR	6/24/08	11:30	FW	5	1-Gal Amber	Ice	X	X	X	
7 545XSAAE-GR	6/24/08		FW	5	1-Gal Amber	Ice	X	X	X	SITE DRY
8 545XSAAT-GR	6/24/08		FW	5	1-Gal Amber	Ice	X	X	X	SITE DRY
9 535XDSAGR-GR	6/24/08	10:10	FW	5	1-Gal Amber	Ice	X	X	X	
10 535XSSAQR-GR	6/24/08	09:20	FW	5	1-Gal Amber	Ice	X	X	X	
11 535XDCAGR-GR	6/24/08	11:00	FW	5	1-Gal Amber	Ice	X	X	X	
12 535DMCAHF-GR	6/24/08	12:00	FW	5	1-Gal Amber	Ice	X	X	X	
13 535XDSAHN-FD	6/24/08	15:10	FW	5	1-Gal Amber	Ice	X	X	X	
14 535XSDAMD-RS	6/24/08	18:50	FW	4	1-Gal Amber	Ice	X	X	X	Resampling due to FHM toxicity on 06/17/08
15										
16										
17										
18										

Comments:

Relinquished By	Relinquished By
Signature: Jonathan Katz	Signature
Print Name: JONATHAN KATZ	Print Name
Organization: MJJ LLC	Organization
Date: 6/25/08	Date
Time: 08:32	Time
Received By	Received By
Signature: [Signature]	Signature
Print Name: MARY ANN CONEYDIN	Print Name
Organization: AQUAScience	Organization
Date: 6/25/08	Date
Time: 0832	Time

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# AQUASCIENCE CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: F. W. Johnson  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Acute Ceratophria dubia	Acute Pimephales promelas	Chronic Selenastrum capricornutum	SAMPLE COMMENTS
535XDCAWR-GR	07/22/08	08:10	FW	5	1-G Amber Glass	Ice	X	X	X	
535XWDVAVR-GR	07/22/08	09:00	FW	5	1-G Amber Glass	Ice	X	X	X	
535XHDATR-GR	07/22/08	09:50	FW	5	1-G Amber Glass	Ice	X	X	X	
535XMEAEA-GR	07/22/08		FW	5	1-G Amber Glass	Ice	X	X	X	
535XLDARA-GR	07/22/08	15:20	FW	5	1-G Amber Glass	Ice	X	X	X	dry spots
535XSDAMD-GR	07/22/08	11:00	FW	5	1-G Amber Glass	Ice	X	X	X	
535XPFDCI-GR	07/22/08	10:40	FW	5	1-G Amber Glass	Ice	X	X	X	
535XHDACA-GR	07/22/08	17:10	FW	5	1-G Amber Glass	Ice	X	X	X	
535XHCHNN-GR	07/22/08	15:00	FW	5	1-G Amber Glass	Ice	X	X	X	
535XSDAMD-FD	07/22/08	11:00	FW	5	1-G Amber Glass	Ice	X	X	X	
535XHCALR-GR	07/22/08	14:20	FW	5	1-G Amber Glass	Ice	X	X	X	
535XMRSFD-GR	07/22/08	13:30	FW	5	1-G Amber Glass	Ice	X	X	X	
535XPFDMR-GR	07/22/08	11:30	FW	4	1-G Amber Glass	Ice	X	X	X	
535XHDAMR-GR	07/22/08	13:00	FW	3	1-G Amber Glass	Ice	X	X	X	
535XRDAWA-GR	07/22/08	13:10	FW	3	1-G Amber Glass	Ice	X	X	X	

Comments:

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>JONATHAN KATZ</u>	Print Name: <u>Brandon Sanford</u>
Organization: <u>MLJ LLC</u>	Organization: <u>[Organization]</u>
Date: <u>7/23/08</u> Time: <u>8:50</u>	Date: <u>7/23/08</u> Time: <u>08:50</u>
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Organization: _____	Organization: _____
Date: _____ Time: _____	Date: _____ Time: _____

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# AQUAScience CHAIN-OF-CUSTODY RECORD

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave, Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KROG, BEN JAMES, FRANK WULF, GREGORY FLAUNT  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Acute Ceriodaphnia dubia	Acute Pimephales promelas	Chronic Selenium capricornium	SAMPLE COMMENTS
535XMCARR-GR	7/29/08	15:20	FW	5	1-Gal Amber	Ice	X	X	X	
535XDSAHN-GR	7/29/08	17:40	FW	5	1-Gal Amber	Ice	X	X	X	
535XBCAKR-GR	7/29/08	18:00	FW	5	1-Gal Amber	Ice	X	X	X	
535BRCAVR-GR	7/29/08	18:40	FW	5	1-Gal Amber	Ice	X	X	X	
545XCCART-GR	7/29/08	11:10	FW	5	1-Gal Amber	Ice	X	X	X	
545XDCARE-GR	7/29/08	15:30	FW	5	1-Gal Amber	Ice	X	X	X	
545XBSAAE-GR			FW	5	1-Gal Amber	Ice	X	X	X	
545XBSAAT-GR			FW	5	1-Gal Amber	Ice	X	X	X	
535XDSAGR-GR	7/29/08	11:00	FW	5	1-Gal Amber	Ice	X	X	X	
535XSSAQR-GR	7/29/08	10:10	FW	5	1-Gal Amber	Ice	X	X	X	
535XDCAGR-GR	7/29/08	11:40	FW	5	1-Gal Amber	Ice	X	X	X	
535DMCAHF-GR	7/29/08	12:30	FW	5	1-Gal Amber	Ice	X	X	X	
535XMCARR-FD	7/29/08	15:20	FW	5	1-Gal Amber	Ice	X	X	X	
545XBSARN-GR	7/29/08	13:40	FW	3	1-Gal Amber	Ice	X	X	X	upstream management plan sample
535XDSHFN-GR	7/29/08	13:40	FW	3	1-Gal Amber	Ice	X	X	X	upstream management plan sample
535XDSHFN-GR			FW	3	1-Gal Amber	Ice	X	X	X	upstream management plan sample Dry site

Comments:

Relinquished By	Relinquished By
Signature: <i>Frank Wulff</i>	Signature
Print Name: Frank Wulff	Print Name
Organization: MJJ-LLC	Organization
Date: 07/30/08 Time: 09:00	Date Time
Signature: <i>Chelsea Walker</i>	Signature
Print Name: Chelsea Walker	Print Name
Organization: AQUAScience	Organization
Date: 07/30/08 Time: 0900	Date Time

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater











# AQUAScience CHAIN-OF-CUSTODY RECORD

Client Name:	MLJ-LLC
Address:	1490 Drew Ave., Suite 175, Davis, CA 95618
Sampled By:	JONATHAN KATZ FRANK WULFF
Phone:	(530) 756-5200
Fax:	(530) 756-5225
Project Manager:	Michael Johnson
Project Name:	East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	SAMPLE COMMENTS
1. 535XHCALR-GR	9/9/08	14:30	FW	3	1-Gal Amber	Ice	Acute Ceriodaphnia dubia X
2. 535XHCNN-GR	9/9/08	14:00	FW	3	1-Gal Amber	Ice	X
3.							
4.							
5.							
6.							
7.							
8.							
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10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							

Comments:  
August Management Plan Sampling  
September

Relinquished By	Relinquished By
Signature: <i>[Signature]</i>	Signature
Print Name: JONATHAN KATZ	Print Name
Organization: MLJ-LLC	Organization
Date: 9/9/08	Date
Time: 16:30	Time
Received By	Received By
Signature: <i>[Signature]</i>	Signature
Print Name: GREGORY SOYSTER	Print Name
Organization: AQUASCIENCE	Organization
Date: 9/9/08	Date
Time: 1630	Time

Temperature at Log In:  
(°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





# AQUA-Science CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: FRANK WULF, STEPHANIE HENDERSON, JON KATZ  
GABRIELLE BOITRE  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Acute Ceriodaphnia dubia	Acute Pimephales promelas	Chronic Selenastrum capricornutum	SAMPLE COMMENTS
1 535XMCARR-GR	9/30/08	13:50	FW	5	1-Gal Amber	Ice	X	X	X	
2 535XDSAHN-GR	9/30/08	13:10	FW	5	1-Gal Amber	Ice	X	X	X	
3 535XBCAKR-GR	9/30/08	13:30	FW	5	1-Gal Amber	Ice	X	X	X	
4 535BRCAVR-GR	9/30/08	14:20	FW	5	1-Gal Amber	Ice	X	X	X	
5 <del>535XCART-GR</del>			FW	5	1-Gal Amber	Ice	X	X	X	DRY SITE
6 <del>545XBSAAE-GR</del>			FW	5	1-Gal Amber	Ice	X	X	X	DRY SITE
7 <del>545XASAAAT-GR</del>			FW	5	1-Gal Amber	Ice	X	X	X	DRY SITE
8 535XDSAGR-GR	9/30/08	9:10	FW	5	1-Gal Amber	Ice	X	X	X	
9 <del>535XDSAGR-GR</del>			FW	5	1-Gal Amber	Ice	X	X	X	
10 <del>535XDSAGR-GR</del>			FW	5	1-Gal Amber	Ice	X	X	X	Dry Site
11 535XDCAGR-GR	9/30/08	10:30	FW	5	1-Gal Amber	Ice	X	X	X	
12 535DMCAHF-GR	9/30/08	12:20	FW	5	1-Gal Amber	Ice	X	X	X	
13 535XDCAGR-GR2	9/30/08	10:30	FW	5	1-Gal Amber	Ice	X	X	X	
14 535XDSHFN-GR	9/30/08	13:10	FW	3	1-Gal Amber	Ice	X	X	X	
15 <del>535XNSHFN-GR</del>			FW	3	1-Gal Amber	Ice	X	X	X	Dry Site
16 535XHDACA-RS	9/30/08	18:10	FW	3	1-Gal Amber	Ice				
17										
18										

Comments: 535XHDACA-RS is a resample due to toxicity on 9/23/08

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature
Print Name: <u>Stephanie Henderson</u>	Print Name
Organization: <u>MLJ-LLC</u>	Organization
Date: <u>10/1/08</u> Time: <u>8:49</u>	Date Time
Received By	Received By
Signature: <u>[Signature]</u>	Signature
Print Name: <u>MARYANN CONCEPCION</u>	Print Name
Organization: <u>AQUASCIENCE</u>	Organization
Date: <u>10/01/08</u> Time: <u>8:49</u>	Date Time

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

**Sediment Toxicity Analysis**  
**AQUA-Science**



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# AQUA-Science CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, D. Corcoran  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	SAMPLE COMMENTS
1 • 535XMCARR-IN	08/28/08	13:00	SED	2	1-L Wide-mouth	Ice	Acute <i>Hyalella azteca</i> (FPA 100.1) ✓ No lot 2 broke in storage/transit, re-packed 9/2/08 SEE
2 • 535XDSAHN-IN	08/28/08	13:40	SED	2	1-L Wide-mouth	Ice	
3 • 535XBCAKR-IN	08/28/08	14:00	SED	2	1-L Wide-mouth	Ice	
4 • 535BRCAYR-IN	08/28/08	14:20	SED	2	1-L Wide-mouth	Ice	
5 • 545XCCART-IN	08/28/08	09:50	SED	2	1-L Wide-mouth	Ice	
6 • 545XDCARE-IN	08/28/08	10:20	SED	2	1-L Wide-mouth	Ice	
7 • 545XDSARE-IN			SED	2	1-L Wide-mouth	Ice	
8 • 545XDSAGR-IN	08/28/08	12:20	SED	2	1-L Wide-mouth	Ice	
9 • 535XSSAGR-IN			SED	2	1-L Wide-mouth	Ice	
10 • 535XDCAGR-IN	08/28/08	11:50	SED	2	1-L Wide-mouth	Ice	
11 • 535DMCAHF-IN	08/28/08	11:20	SED	2	1-L Wide-mouth	Ice	
12 • 535XMCARR-IN2	08/28/08	13:00	SED	2	1-L Wide-mouth	Ice	
13							
14							
15							
16							
17							
18							

Relinquished By	Relinquished By	Relinquished By	Additional Comments:
Signature: <u>[Signature]</u>	Signature	Signature	
Print Name: <u>JONATHAN KATZ</u>	Print Name	Print Name	
Organization: <u>MLJ LLC</u>	Organization	Organization	
Date: <u>9/2/08</u> Time: <u>14:10</u>	Date	Date	
Received By	Received By	Received By	
Signature: <u>[Signature]</u>	Signature	Signature	
Print Name: <u>Van Dancy</u>	Print Name	Print Name	
Organization: <u>Nacuris</u>	Organization	Organization	
Date: <u>9/4/08</u> Time: <u>09:30</u>	Date	Date	

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# AQUA-Science CHAIN-OF-CUSTODY RECORD

Client Name: MLJ LLC  
 Address: 1490 Drew Ave, Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KRIZ, CAROLYN PLANT  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	SAMPLE COMMENTS
1. 535XDCAWR-IN	8/28/08	8:30	SED	2	1-L, Wide-mouth	Ice	
2. 535XWDVAVR-IN	8/28/08	9:50	SED	2	1-L, Wide-mouth	Ice	
3. 535XHDATR-IN	8/28/08	10:40	SED	2	1-L, Wide-mouth	Ice	
4. <del>535XHCALR-IN</del>							
5. 535XLDARA-IN	8/28/08	13:00	SED	2	1-L, Wide-mouth	Ice	
6. 535XSDAMD-IN	8/28/08	16:40	SED	2	1-L, Wide-mouth	Ice	
7. 535XPFDCI-IN	8/28/08	11:10	SED	2	1-L, Wide-mouth	Ice	
8. 535XHDACA-IN	8/28/08	11:45	SED	2	1-L, Wide-mouth	Ice	
9. 535XHCINN-IN	8/28/08	13:50	SED	2	1-L, Wide-mouth	Ice	
10. 535XWDVAVR-IN2	8/28/08	9:50	SED	2	1-L, Wide-mouth	Ice	
11. 535XHCALR-IN	8/28/08	15:30	SED	2	1-L, Wide-mouth	Ice	
12. 535XMRSFD-IN	8/28/08	16:20	SED	2	1-L, Wide-mouth	Ice	
13.							
14.							
15.							
16.							
17.							
18.							

Relinquished By	Relinquished By	Relinquished By	Additional Comments:
Signature: <i>Jonathan Kriz</i>	Signature	Relinquished By	2
Print Name: JONATHAN KRIZ	Print Name		
Organization: MLJ LLC	Organization		
Date: 9/2/08 Time: 14:10	Date Time	Date Time	
Received By	Received By	Received By	
Signature: <i>Van Dam</i>	Signature	Signature	
Print Name: Van Dam	Print Name	Print Name	
Organization: Nautilus	Organization	Organization	
Date: 9/4/08 Time: 09:30	Date Time	Date Time	

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**Inorganic Chemistry Analysis**  
**Caltest Laboratories**



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **F. Wulff A. Siadotam**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Metals: Copper (EPA 200.8)		Hardness total as CaCO3 (EPA 130.2 / SM2340C)	SAMPLE COMMENTS
							X	X		
45	04/22/2008	14:10	FW	1	500 mL Plastic	HNO3, Ice	X	X		IO40903
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										

Comments:

Relinquished By		Relinquished By	
Signature: <i>Frank Wulff</i>	Signature: <i>Al. Johnson</i>	Signature: <i>Al. Johnson</i>	Signature: <i>Al. Johnson</i>
Print Name: Frank Wulff	Print Name: GLEN IMRIE	Print Name: GLEN IMRIE	Print Name: GLEN IMRIE
Organization: MLJ-LLC	Organization: CALTEST	Organization: CALTEST	Organization: CALTEST
Date: 04/23/08 Time 05:58	Date: 4/23/08 Time 05:58	Date: 4/23/08 Time 05:58	Date: 4/23/08 Time 07:21
Signature: <i>Al. Johnson</i>	Signature: <i>Al. Johnson</i>	Signature: <i>Al. Johnson</i>	Signature: <i>Al. Johnson</i>
Print Name: GLEN IMRIE			
Organization: CALTEST	Organization: CALTEST	Organization: CALTEST	Organization: CALTEST
Date: 4/23/08 Time 05:58	Date: 4/23/08 Time 05:58	Date: 4/23/08 Time 05:58	Date: 4/23/08 Time 07:21

Temperature at Log In: (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-0200 FAX: (530) 756-5225

**Caltest CHAIN-OF-CUSTODY RECORD**

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave, Suite 175, Davis, CA 95618  
 Sampled By: **B. JAMES, J. KATZ**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	F, col (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
1				1	500 mL Plastic															
2				1	500 mL Plastic															
3				1	40 mL VOA Triplet															
4	04/22/2008	08:20	FW	1	2000 mL Plastic	X	X	X			X	X								
5				1	100 mL Poly															
6				1	500 mL Plastic															
7				1	500 mL Plastic															
8	04/22/2008	15:20	FW	1	40 mL VOA Triplet	X	X	X			X	X								
9				1	2000 mL Plastic	X	X	X			X	X								
10				1	100 mL Poly															
11				1	500 mL Plastic															
12				1	500 mL Plastic															
13	04/22/2008	11:50	FW	1	40 mL VOA Triplet	X	X	X			X	X								
14				1	2000 mL Plastic	X	X	X			X	X								
15				1	100 mL Poly															
16				1	500 mL Plastic															
17				1	500 mL Plastic															
18	04/22/2008	14:00	FW	1	40 mL VOA Triplet	X	X	X			X	X								
19				1	2000 mL Plastic	X	X	X			X	X								
20				1	100 mL Poly															
21																				
22																				
23																				
24	04/22/2008	12:50	FW	1	2000 mL Plastic															
25																				
26																				
27																				
28																				
29																				
30																				

J040903

Comments: Temperature at Log In: \_\_\_\_\_  
 Relinquished By: Signature *[Signature]* Print Name **JONATHAN KATZ** Organization **MLJ-LLC** Date **04/23/08** Time **05:58**  
 Relinquished By: Signature *[Signature]* Print Name **GLEN IMAIE** Organization **CALTEST** Date **4/23/08** Time **05:58 7.21**  
 Received By: Signature *[Signature]* Print Name **L. Gaeta** Organization **Caltest** Date **4/23/08** Time **07:21**  
 Received By: Signature *[Signature]* Print Name **L. Gaeta** Organization **Caltest** Date **4/23/08** Time **07:21**

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

MATRIX codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: B. JAMES, J. KATZ  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

1040903

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-5	04/22/2008	09:30	FW	2	500 mL Plastic														MATRIX SPIKE	
				2	500 mL Plastic															MATRIX SPIKE
				3	40 mL VOA Tripak															MATRIX SPIKE
				2	2000 mL Plastic															MATRIX SPIKE
				1	100 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Tripak															
				1	2000 mL Plastic															
				1	260 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Tripak															
				1	2000 mL Plastic															
				1	100 mL POLY															
				1	500 mL Plastic															

Comments:	Temperature at Loq In: (°C)	Relinquished By	Relinquished By
Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com		Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
		Print Name: <u>JAMES, B. &amp; KATZ, J.</u>	Print Name: <u>GLENN FERRIE</u>
		Organization: <u>MLJ-LLC</u>	Organization: <u>Caltest</u>
		Date: <u>04/23/08</u> Time: <u>05:58</u>	Date: <u>4/23/08</u> Time: <u>05:58 7.21</u>
		Received By	Received By
		Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
		Print Name: <u>GLENN FERRIE</u>	Print Name: <u>L. Garter</u>
		Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
		Date: <u>4/23/08</u> Time: <u>05:58</u>	Date: <u>4/23/08</u> Time: <u>07:21</u>

Matrix codes: SED = sediment, FW = freshwater, STWW = stormwater

1040903

# Caltest CHAIN-OF-CUSTODY RECORD

**MICHAEL L JOHNSON LLC**  
**ECOSYSTEMS CONSULTING**  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave, Suite 175, Davis, CA 95618  
 Sampled By: F. Wulff A. Siadatan  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-8 535XDCAWR-GR	04/22/2008	8:40	FW	1	500 mL Plastic															
-9 535XHCLR-GR	04/22/2008	12:20	FW	1	500 mL Plastic															
-10 535XHCHNN-GR	04/22/2008	13:10	FW	1	500 mL Plastic															
-11 535XSDAMD-GR	04/22/2008	10:30	FW	1	500 mL Plastic															
-12 535XMRSFD-GR	04/22/2008	11:20	FW	1	500 mL Plastic															

Comments: \_\_\_\_\_

Temperature at Loc In: \_\_\_\_\_ (C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

Relinquished By	Relinquished By
Signature: <u>Frank Wulff</u>	Signature: <u>Sharon</u>
Print Name: <u>Frank Wulff</u>	Print Name: <u>GLEN IMARIE</u>
Organization: <u>MLO-LLC</u>	Organization: <u>CALTEST</u>
Date: <u>04/23/08</u> Time: <u>05:58</u>	Date: <u>4/23/08</u> Time: <u>5:58</u>
Signature: <u>Michael Johnson</u>	Signature: <u>L. Gaeta</u>
Print Name: <u>Michael Johnson</u>	Print Name: <u>L. Gaeta</u>
Organization: <u>ECOSYSTEMS CONSULTING</u>	Organization: <u>CALTEST</u>
Date: <u>4/23/08</u> Time: <u>05:58</u>	Date: <u>4/23/08</u> Time: <u>07:21</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STWW = stormwater



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: **MLJ-LLC**  
 Address: **1490 Drew Ave. Suite 175, Davis, CA 95618**  
 Sampled By: **JONATHAN KATZ, ALISON SIADATAN, F.W., TH (D. Jones)**  
 Phone: **(530) 756-5200**  
 Fax: **(530) 756-5225**  
 Project Manager: **Michael Johnson**  
 Project Name: **East San Joaquin Water Quality Coalition**

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Metals: Copper (EPA 200.8)	Hardness total as CaCO3 (EPA 130.2 / SM2340C)	SAMPLE COMMENTS
1 - 15 545XDCART-GR	04/19/2008	14:30	FW	1	500 mL Plastic	HNO3, Ice	X	X	I041093
2 - 16 535XDSAWH-GR	04/29/08	16:40	FW	1	500 mL Plastic	HNO3, Ice	X	X	
3 - 17 535XHCHNN-GR	04/29/2008	08:30	FW	1	500 mL Plastic	HNO3, Ice	X	X	
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

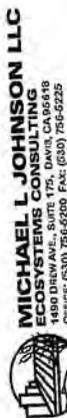
Comments:

TEMP (°C): 21.0  
 SEALED: YES  
 INTACT: YES

Temperature at Log In: \_\_\_\_\_ (°C)

Relinquished By		Received By	
Signature: <i>Frank Wolff</i>	Signature: <i>Shawn Imrie</i>	Signature: <i>Shawn Imrie</i>	Signature: <i>Shawn Imrie</i>
Print Name: <b>Frank Wolff</b>	Print Name: <b>GLEN IMRIE</b>	Print Name: <b>GLEN IMRIE</b>	Print Name: <b>G. Gaeta</b>
Organization: <b>MLJ-LLC</b>	Organization: <b>CALTEST</b>	Organization: <b>CALTEST</b>	Organization: <b>Caltest</b>
Date: <b>04/30/08</b> Time: <b>6:15</b>	Date: <b>4/30/08</b> Time: <b>7:23</b>	Date: <b>4/30/08</b> Time: <b>7:23</b>	Date: <b>4/30/08</b> Time: <b>0733</b>

**Matrix codes:** SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE (930) 756-6200 FAX (930) 756-6225

# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wulff B. Jones  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	e. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
1				1	500 mL Plastic															
2				1	40 mL VOA Triplet															
3			FW	1	2000 mL Plastic		X	X									X	X		
4				1	100 mL Poly				X											
5				1	500 mL Plastic															
6				1	500 mL Plastic															
7			FW	1	40 mL VOA Triplet															
8				1	2000 mL Plastic		X	X									X	X		
9				1	100 mL Poly				X											
10				1	500 mL Plastic															
11				1	500 mL Plastic															
12			FW	1	40 mL VOA Triplet															
13				1	2000 mL Plastic		X	X												
14				1	100 mL Poly				X											
15				1	500 mL Plastic															
16				1	500 mL Plastic															
17			FW	1	40 mL VOA Triplet															
18				1	2000 mL Plastic		X	X												
19				1	100 mL Poly				X											
20				1	500 mL Plastic															
21				1	500 mL Plastic															
22			FW	1	40 mL VOA Triplet															
23				1	2000 mL Plastic		X	X												
24				1	100 mL Poly				X											
25				1	500 mL Plastic															
26			FW	1	40 mL VOA Triplet															
27				1	2000 mL Plastic		X	X												
28				1	100 mL Poly				X											
29				1	500 mL Plastic															
30			FW	1	40 mL VOA Triplet															

Comments: \_\_\_\_\_

Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

TEMP (°C): 2.0  
 SEALED: YES  
 RNACT: YES

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

Relinquished By		Relinquished By	
Signature	<u>Frank Wulff</u>	Signature	<u>Shirley</u>
Print Name	<u>Frank Wulff</u>	Print Name	<u>GLEN IMRIE</u>
Organization	<u>MLJ-LLC</u>	Organization	<u>CALTEST</u>
Date	<u>04/29/08</u> Time <u>6:15</u>	Date	<u>4/30/08</u> Time <u>7:23</u>
Signature	<u>GLEN IMRIE</u>	Signature	<u>A. Gault</u>
Print Name	<u>GLEN IMRIE</u>	Print Name	<u>L. Gault</u>
Organization	<u>CALTEST</u>	Organization	<u>CALTEST</u>
Date	<u>4/30/08</u> Time <u>6:15</u>	Date	<u>4/30/08</u> Time <u>07:23</u>





# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **JONATHAN KATZ, ANISON SIADATAN**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-10 535XBCAKR-GR	04/29/2008	10:20	FW	1	500 mL Plastic															
-11 535BRCAVR-GR	04/29/2008	17:20	FW	1	40 mL VOA Tripel															
-12 545KASAAI-GR			FW	1	500 mL Plastic															
-12 545KCCART-GR	04/29/2008	10:30	FW	1	500 mL Plastic															
545KBSAAE-GR			FW	1	500 mL Plastic															

1041093

Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

TEMP (°C): 7.0  
 SEALED: YES  
 INACTI: YES

Relinquished By	Relinquished By
Signature: <u>Frank Wolff</u> Print Name: <u>FRANK WOLFF</u> Organization: <u>MLJ-LLC</u> Date: <u>04/30/08</u> Time: <u>6:15</u>	Signature: <u>Sharon Imrie</u> Print Name: <u>GLEN IMRIE</u> Organization: <u>CAL+EST</u> Date: <u>4/30/08</u> Time: <u>7:23</u>
Signature: <u>Frank Wolff</u> Print Name: <u>FRANK WOLFF</u> Organization: <u>MLJ-LLC</u> Date: <u>04/30/08</u> Time: <u>6:15</u>	Signature: <u>Sharon Imrie</u> Print Name: <u>GLEN IMRIE</u> Organization: <u>CAL+EST</u> Date: <u>4/30/08</u> Time: <u>7:23</u>
Signature: <u>Frank Wolff</u> Print Name: <u>FRANK WOLFF</u> Organization: <u>MLJ-LLC</u> Date: <u>04/30/08</u> Time: <u>6:15</u>	Signature: <u>Sharon Imrie</u> Print Name: <u>GLEN IMRIE</u> Organization: <u>CAL+EST</u> Date: <u>4/30/08</u> Time: <u>7:23</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRAW = stormwater



# Caltest Chain-of-Custody Record

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, BEN JAMES  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Metals: Copper only (EPA 200.8)		Hardness total as CaCO3 (EPA 130.2 / SM2340C)		SAMPLE COMMENTS
1	05/07/08		FW	1	500 mL Plastic	HNO3, Ice	X	X	X	X	I050406  SITE DRY
2	05/07/08	11:00	FW	1	500 mL Plastic	HNO3, Ice	X	X	X		
3	05/07/08	12:20	FW	1	500 mL Plastic	HNO3, Ice	X	X	X		
4	05/07/08	13:40	FW	1	500 mL Plastic	HNO3, Ice	X	X	X		
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											

TEMP (°C): 0.0  
 SEALED: YFB  
 INTACT: YFB

Comments:		Relinquished By/		Received By	
		Signature	<u>[Signature]</u>	Signature	<u>[Signature]</u>
		Print Name	<u>JONATHAN KATZ</u>	Print Name	<u>GLEN IMAIE</u>
		Organization	<u>MLJ-LLC</u>	Organization	<u>CALTEST</u>
		Date	<u>05/08/08</u>	Date	<u>5/8/08</u>
		Time	<u>13:15</u>	Time	<u>1944</u>
		Received By		Received By	
		Signature	<u>[Signature]</u>	Signature	<u>[Signature]</u>
		Print Name	<u>GLEN IMAIE</u>	Print Name	<u>L. Gaeta</u>
		Organization	<u>CALTEST</u>	Organization	<u>Caltest</u>
		Date	<u>05/08/08</u>	Date	<u>5/8/08</u>
		Time	<u>13:15</u>	Time	<u>1944</u>
Temperature at Log In: (°C)					

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater  
 C.M.F.R. 7 L



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, B. Jones  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

2050780

Metals: Copper (EPA 200.8)  X  
 Hardness total as CaCO3 (EPA 130.2 / SM2340C)  X

Copper and hardness only

SAMPLE COMMENTS

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative
1 <u>AP 535XDCAGR-GR</u>	<u>5/20/08</u>	<u>15:00</u>	<u>FW</u>	<u>1</u>	<u>500 mL Plastic</u>	<u>HNO3, Ice</u>
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Comments:

Relinquished By	Received By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>Frank Wolff</u>	Print Name: <u>L. Gacta</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>Caltest</u>
Date: <u>05/21/08</u> Time: <u>06:02</u>	Date: <u>5-21-08</u> Time: <u>0725</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>[Signature]</u>	Print Name: <u>L. Gacta</u>
Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
Date: <u>5-21-08</u> Time: <u>0602</u>	Date: <u>5/21/08</u> Time: <u>0725</u>

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

4.0°C



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5225 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: J. Katz, K. Sindahn  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
1-535XHDATR-GR	5/20/08	10:50	FW	1	500 mL Plastic															
2-535XHDACA-GR	5/20/08	13:30	FW	1	500 mL Plastic															
3-535XPFDCI-GR	5/20/08	12:00	FW	1	500 mL Plastic															
4-535XLDARA-GR	5/20/08	15:50	FW	1	500 mL Plastic															
5-535XWDVAVR-GR	5/20/08	8:50	FW	1	500 mL Plastic															
				2	500 mL Plastic															MATRIX SPIKE
				3	500 mL Plastic															MATRIX SPIKE
				2	500 mL Plastic															MATRIX SPIKE
				1	100 mL Poly															

F-070-045/2/08  
 JOSO780

Comments:	Temperature at Loq In: (°C)	Relinquished By: <u>[Signature]</u>	Relinquished By: <u>[Signature]</u>
Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
	Print Name: <u>JONATHAN KATZ</u>	Print Name: <u>J. KATZ</u>	Print Name: <u>J. KATZ</u>
	Organization: <u>MLJ LLC</u>	Organization: <u>MLJ LLC</u>	Organization: <u>MLJ LLC</u>
	Date: <u>05/21/08</u> Time: <u>06:02</u>	Date: <u>5-21-08</u> Time: <u>07:25</u>	Date: <u>5-21-08</u> Time: <u>07:25</u>
	Received By: <u>[Signature]</u>	Received By: <u>[Signature]</u>	Received By: <u>[Signature]</u>
	Print Name: <u>J. KATZ</u>	Print Name: <u>[Signature]</u>	Print Name: <u>[Signature]</u>
	Organization: <u>MLJ LLC</u>	Organization: <u>MLJ LLC</u>	Organization: <u>MLJ LLC</u>
	Date: <u>5-21-08</u> Time: <u>06:02</u>	Date: <u>5/21/08</u> Time: <u>0725</u>	Date: <u>5/21/08</u> Time: <u>0725</u>

40°C

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# Caltest Chain-of-Custody Record

Client Name:	MLJ-LLC
Address:	1490 Drew Ave. Suite 175, Davis, CA 95618
Sampled By:	F. Wolff, B. Jones
Phone:	(530) 756-5200
Fax:	(530) 756-5225
Project Manager:	Michael Johnson
Project Name:	East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Phosphorus as P (EPA 365.2/SM 4500 P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
6	05/20/08	08:40	FW	1	4500 mL Plastic														
7	05/20/08	12:40	FW	1	4500 mL Plastic														
8	05/20/08	13:40	FW	1	4500 mL Plastic														
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
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23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			

JOS0780

DRY SITE

Comments: Temperature at Loq In: _____ (°C) Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com	Relinquished By Signature: <i>Frank Wolff</i> Print Name: Frank Wolff Organization: MLJ-LLC Date: 05/21/08 Time: 06:07 Received By Signature: <i>Deak Blawie</i> Print Name: Deak Blawie Organization: Caltest Date: 5/21/08 Time: 0725	Relinquished By Signature: <i>JRM</i> Print Name: JRM Organization: JRM Date: 5-21-08 Time: 0725 Received By Signature: <i>Leah Gaester</i> Print Name: Leah Gaester Organization: Caltest Date: 5/21/08 Time: 0725
---	--	--

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: J. Katz, A. Sindatan  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	F. col (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-11 535XWDVAVR-FD	5/20/08	8:50	FW	1	500 mL Plastic														
-12 535XWDVAVR-FB	5/20/08	8:50	FW	1	500 mL Plastic														
-15 535XWDVAVR-TB	5/20/08	8:50	FW	1	500 mL Plastic														
-14 535XPFDMR-GR	5/20/08	13:00	FW	1	2000 mL Plastic														Nitrate only

1050780

Comments: Temperature at Loq In: \_\_\_\_\_

Signature: [Signature] Relinquished By: [Signature]  
 Print Name: JONATHAN KATZ Print Name: J. KATZ  
 Organization: MLJ LLC Organization: CalTest  
 Date: 05/21/08 Time: 06:02 Date: 5-21-08 Time: 07:25  
 Received By: [Signature] Received By: [Signature]  
 Print Name: J. KATZ Print Name: L. Gaeta  
 Organization: CalTest Organization: CalTest  
 Date: 5/21/08 Time: 0602 Date: 5/21/08 Time: 0725

Matrix codes: SED = sediment, FW = freshwater, STMMW = stormwater

4.0°C



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: B. JAMES, F. WULFF  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Metals: Copper only (EPA 200.8)		Hardness total as CaCO3 (EPA 130.2 / SM2340C)		SAMPLE COMMENTS	
							X	X	X	X		
1 <u>1A</u> 545XCCAOH-GR	<u>05/27/08</u>	<u>11:40</u>	<u>FW</u>	<u>1</u>	<u>500 mL Plastic</u>	<u>HNO3, Ice</u>	X	X	X	X	J050970	
2 <u>1B</u> 545XDCAH-GR	<u>05/27/08</u>	<u>13:30</u>	<u>FW</u>	<u>1</u>	<u>500 mL Plastic</u>	<u>HNO3, Ice</u>	X	X	X			
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												

Comments:

TEMP (°C): 2  
 SEALED: Y  
 INTACT: Y

Temperature at Log In: 2 (°C)

Relinquished By		Received By	
Signature <u>Frank Wulff</u>	Signature <u>Mike Lundeen</u>	Signature <u>L. Gaeta</u>	Signature <u>L. Gaeta</u>
Print Name <u>Frank Wulff</u>	Print Name <u>Mike Lundeen</u>	Print Name <u>L. Gaeta</u>	Print Name <u>L. Gaeta</u>
Organization <u>MLJ-LLC</u>	Organization <u>Caltest</u>	Organization <u>Caltest</u>	Organization <u>Caltest</u>
Date <u>5/28/08</u> Time <u>6:20</u>	Date <u>5/28/08</u> Time <u>07:35</u>	Date <u>5/28/08</u> Time <u>07:35</u>	Date <u>5/28/08</u> Time <u>07:35</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 CONSULTING  
 4400 DREW AVE. SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: B. JAMES, F. WULFF  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 210 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
545X05AAE-GR			FW	1	500 mL Plastic															
545XDCARE-GR	05/27/08	12:30	FW	1	500 mL Plastic															
545XN5AAT-GR			FW	1	500 mL Plastic															
545XCCART-GR	05/27/08	10:40	FW	1	500 mL Plastic															
535BRCAYR-GR	05/27/08	15:40	FW	1	500 mL Plastic															

1050970

Dry site

Dry site

Comments: Temperature at Log In: 2 (°C)  
 Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com  
 TEMP (°C): 2  
 SEALED: X  
 INTACT: X

Signature	Relinquished By	Signature	Relinquished By
<u>Frank Wulff</u>	<u>Frank Wulff</u>	<u>Mike Lundeen</u>	<u>Mike Lundeen</u>
<u>MLJ-LLC</u>	<u>MLJ-LLC</u>	<u>Caltest</u>	<u>Caltest</u>
<u>5/28/08</u>	<u>5/28/08</u>	<u>5/28/08</u>	<u>5/28/08</u>
<u>6:20</u>	<u>6:20</u>	<u>07:5</u>	<u>07:5</u>
<u>Mike Lundeen</u>	<u>Mike Lundeen</u>	<u>Caltest</u>	<u>Caltest</u>
<u>5/28/08</u>	<u>5/28/08</u>	<u>5/28/08</u>	<u>5/28/08</u>
<u>06:20</u>	<u>06:20</u>	<u>07:35</u>	<u>07:35</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

**Caltest CHAIN-OF-CUSTODY RECORD**

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	F. col/ (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9055)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments
3	05/27/08	10:40	FW	2	500 mL Plastic													MATRIX SPIKE
				2	500 mL Plastic													MATRIX SPIKE
				3	40 mL VOA Triplet													MATRIX SPIKE
				2	2000 mL Plastic													MATRIX SPIKE
				1	100 mL POLY													
				1	500 mL Plastic													
				1	500 mL Plastic													
				1	40 mL VOA Triplet													
				1	2000 mL Plastic													
				1	260 mL POLY													
				1	500 mL Plastic													
				1	500 mL Plastic													
				1	40 mL VOA Triplet													
				1	2000 mL Plastic													
				1	100 mL POLY													
				1	500 mL Plastic													
				1	500 mL Plastic													

Comments: Temperature at Log In: 2 (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

REMOVED  
 SIGNED: [Signature]  
 CONTACT: [Signature]

Relinquished By	Relinquished By
Signature: Jonathan Katz	Signature: Mike Lundeen
Print Name: JONATHAN KATZ	Print Name: Mike Lundeen
Organization: MLJ LLC	Organization: Caltest
Date: 5/28/08 Time: 6:20	Date: 5/28/08 Time: 07:35
Signature: [Signature]	Signature: L. Carter
Print Name: Mike Lundeen	Print Name: L. Carter
Organization: Caltest	Organization: Caltest
Date: 5/28/08 Time: 06:20	Date: 5/28/08 Time: 07:35

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater









**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

JD 60673

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: J. Katz, C. Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA 110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
6 535XLDARA-FB 13000	6/17/08	15:30	FW	1	4500 mL Plastic															
7 535XLDARA-FB	6/17/08	15:30	FW	1	4500 mL Plastic															
11 535XLDARA-TB	6/17/08	15:30	FW	1	4500 mL Plastic															
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
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27																				
28																				
29																				
30																				

Comments: \_\_\_\_\_

Temperature at Loq In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MJJ LLC:  
 (530) 756-5225, or email to jkatz@mjj-llc.com

Relinquished By	Relinquished By
Signature: <u>Frank Wolff</u>	Signature: <u>J. Katz</u>
Print Name: <u>Frank Wolff</u>	Print Name: <u>J. Katz</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>Caltest</u>
Date: <u>06/18/08</u> Time: <u>06:00</u>	Date: <u>06/18/08</u> Time: <u>07:20</u>
Signature: <u>J. Katz</u>	Signature: <u>Leah Cacto</u>
Print Name: <u>J. Katz</u>	Print Name: <u>Leah Cacto</u>
Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
Date: <u>06/19/08</u> Time: <u>06:00</u>	Date: <u>06/18/08</u> Time: <u>07:20</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.0°C



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

J060673

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: J. Katz, C. Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA 110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	F. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
8	6/17/08	6:50	FW	1	500 mL Plastic															
9	6/17/08	13:10	FW	1	500 mL Plastic															
10	6/17/08	11:30	FW	1	40 mL VOA Tripel															
11	6/17/08	10:10	FW	1	500 mL Plastic															
12	6/17/08	15:30	FW	2	500 mL Plastic															
13	6/17/08	12:30	FW	1	2000 mL Plastic															
14				1	500 mL Plastic															
15				1	40 mL VOA Tripel															
16				1	500 mL Plastic															
17				1	40 mL VOA Tripel															
18				1	2000 mL Plastic															
19				1	500 mL Plastic															
20				1	40 mL VOA Tripel															
21				1	500 mL Plastic															
22				2	500 mL Plastic															
23				2	500 mL Plastic															
24				3	40 mL VOA Tripel															
25				2	2000 mL Plastic															
26				1	100 mL Poly															
27																				
28																				
29																				
30																				Nitrate only

Comments: Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

Relinquished By	Relinquished By
Signature: <u>Frank Wulff</u>	Signature: <u>[Signature]</u>
Print Name: <u>Frank Wulff</u>	Print Name: <u>[Name]</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>Caltest</u>
Date: <u>06/18/08</u> Time: <u>06:00</u>	Date: <u>6-18-08</u> Time: <u>07:20</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>[Name]</u>	Print Name: <u>[Name]</u>
Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
Date: <u>6-18-08</u> Time: <u>06:00</u>	Date: <u>6/18/08</u> Time: <u>07:20</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.0°C



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, C. Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

No.	Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Metals: Copper only (EPA 200.8)	Hardness total as CaCO3 (EPA 130.2 / SM2340C)	SAMPLE COMMENTS
1	-14 545XCCAOH-GR	06/24/08	09:30	FW	1	500 mL Plastic	HNO3, Ice	X	X	1060900
2	-15 545XDCAH-GR	06/24/08	13:30	FW	1	500 mL Plastic	HNO3, Ice	X	X	
3	-16 535XDSHFN-GR	06/24/08	13:20	FW	1	500 mL Plastic	HNO3, Ice	X	X	
4	-17 535XDSAWH-GR	06/24/08	14:20	FW	1	500 mL Plastic	HNO3, Ice	X	X	
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										

Comments:

Relinquished By	Received By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>JOHNSON KATZ</u>	Print Name: <u>L. Caeta</u>
Organization: <u>MLJ LLC</u>	Organization: <u>Caltest</u>
Date: <u>6/25/08</u> Time: <u>06:00</u>	Date: <u>6-25-08</u> Time: <u>0915</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>[Signature]</u>	Print Name: <u>L. Caeta</u>
Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
Date: <u>6-25-08</u> Time: <u>0600</u>	Date: <u>6/25/08</u> Time: <u>0715</u>

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.0°C



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1400 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

**Caltest CHAIN-OF-CUSTODY RECORD**

JD60900

Client Name: MLJ-LLC  
 Address: 1400 Drew Ave, Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	F. col (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9055)	Nitrate as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-1	6/24/08	14:10	FW	1	500 mL Plastic															
-2	6/24/08	10:10	FW	1	500 mL Plastic															
-3	6/24/08	11:00	FW	1	500 mL Plastic															
-4	6/24/08	09:20	FW	1	500 mL Plastic															
-5	6/24/08	12:00	FW	1	500 mL Plastic															

Comments: Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mij-llc.com

Relinquished By	Received By
Signature: Jonathan Katz Print Name: JONATHAN KATZ Organization: MLJ LLC Date: 6/25/08 Time: 06:00	Signature: Leah Koets Print Name: L. Koets Organization: Caltest Date: 6-25-08 Time: 0715

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.0°C



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

**Caltest CHAIN-OF-CUSTODY RECORD**

1060900

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, C. Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-6	06/24/08	16:50	FW	1	500 mL Plastic															
-7	06/24/08	15:30	FW	1	500 mL Plastic															
-8	06/24/08	10:30	FW	1	500 mL Plastic															Dry site
-9	06/24/08	11:30	FW	1	500 mL Plastic															

Comments: Temperature at Log In: \_\_\_\_\_ (°C)  
 Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

Relinquished By	Relinquished By Signature	Relinquished By Print Name	Relinquished By Organization	Relinquished By Date	Relinquished By Time
Jonathan Katz	[Signature]	JONATHAN KATZ	MLJ LLC	6/25/08	06:00

Received By	Received By Signature	Received By Print Name	Received By Organization	Received By Date	Received By Time
Penelope	[Signature]	Penelope	Caltest	6/25/08	07:15

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# Caltest CHAIN-OF-CUSTODY RECORD ID60900

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments
-10	6/24/08	15:20	FW	2	500 mL Plastic									X	X	X	X	X	MATRIX SPIKE
-11	6/24/08	15:20	FW	2	500 mL Plastic									X	X	X	X	X	MATRIX SPIKE
-12	6/24/08	15:20	FW	2	40 mL VOA Triplet														MATRIX SPIKE
-13	6/24/08	15:20	FW	1	2000 mL Plastic														MATRIX SPIKE
				1	100 mL POLY														
				1	500 mL Plastic														
				1	500 mL Plastic														
				1	40 mL VOA Triplet														
				1	2600 mL POLY														
				1	500 mL Plastic														
				1	500 mL Plastic														
				1	40 mL VOA Triplet														
				1	2000 mL Plastic														
				1	100 mL POLY														
				1	500 mL Plastic														

Comments: \_\_\_\_\_  
 Temperature at Log In: \_\_\_\_\_ (°C)  
 Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

Relinquished By	Received By
Signature: <u>[Signature]</u> Print Name: <u>JONATHAN KATZ</u> Organization: <u>MLJ LLC</u> Date: <u>6/25/08</u> Time: <u>06:00</u>	Signature: <u>[Signature]</u> Print Name: <u>L Gaeta</u> Organization: <u>Caltest</u> Date: <u>6-25-08</u> Time: <u>07:15</u>
Signature: <u>[Signature]</u> Print Name: <u>[Signature]</u> Organization: <u>[Signature]</u> Date: <u>[Signature]</u> Time: <u>[Signature]</u>	Signature: <u>[Signature]</u> Print Name: <u>[Signature]</u> Organization: <u>[Signature]</u> Date: <u>[Signature]</u> Time: <u>[Signature]</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater







# Caltest CHAIN-OF-CUSTODY RECORD

**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (916) 706-6200 FAX: (916) 766-6225

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. W. J. D. Concom  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 355.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-6	07/21/08	08:40	FW	1	500 mL Plastic															
-7	07/21/08	14:00	FW	1	500 mL Plastic															
-8	07/21/08	15:00	FW	1	500 mL Plastic															
	07/21/08		FW	1	500 mL Plastic															
9	07/21/08	11:00	FW	2	500 mL Plastic															
				2	500 mL Plastic															
				3	40 mL VOA Tripel															
				2	2000 mL Plastic															
				1	100 mL Poly															
				1	500 mL Plastic															
				1	40 mL VOA Tripel															
				1	2000 mL Plastic															
				1	100 mL Poly															
				1	500 mL Plastic															
				1	40 mL VOA Tripel															
				1	2000 mL Plastic															
				1	100 mL Poly															
				1	500 mL Plastic															
				1	40 mL VOA Tripel															
				1	2000 mL Plastic															
				1	100 mL Poly															
				1	500 mL Plastic															
				1	40 mL VOA Tripel															
				1	2000 mL Plastic															
				1	100 mL Poly															
				1	500 mL Plastic															
				1	40 mL VOA Tripel															
				1	2000 mL Plastic															
				1	100 mL Poly															

1070837

Comments: \_\_\_\_\_

Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

Relinquished By	Received By
Signature: <u>Frank Wolff</u> Print Name: <u>Frank Wolff</u> Organization: <u>MLJ-LLC</u> Date: <u>07/23/08</u> Time: <u>06:00</u>	Signature: <u>[Signature]</u> Print Name: <u>[Name]</u> Organization: <u>[Org]</u> Date: <u>7-23-08</u> Time: <u>07:10</u>
Signature: <u>[Signature]</u> Print Name: <u>[Name]</u> Organization: <u>[Org]</u> Date: <u>7/23/08</u> Time: <u>06:00</u>	Signature: <u>[Signature]</u> Print Name: <u>[Name]</u> Organization: <u>[Org]</u> Date: <u>7/23/08</u> Time: <u>07:10</u>
Signature: <u>[Signature]</u> Print Name: <u>[Name]</u> Organization: <u>[Org]</u> Date: <u>7/23/08</u> Time: <u>06:00</u>	Signature: <u>[Signature]</u> Print Name: <u>[Name]</u> Organization: <u>[Org]</u> Date: <u>7/23/08</u> Time: <u>07:10</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRW = stormwater





# Caltest Chain-of-Custody Record

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **JONATHAN KATZ, BEN JAMES**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Metals: Copper only (EPA 200.8)	Hardness total as CaCO3 (EPA 130.2 / SM2340C)	Total Ammonia (EPA 350.2)	Nitrate as NO3 (EPA 300.0/300.1/9056)	SAMPLE COMMENTS	
14	7/22/08	13:00	FW	1	500 mL Plastic	HNO3, Ice	X	X	X		I070837	
			FW	1	500 mL Plastic	H2SO4, Ice			X			
			FW	1	2000 mL Plastic	Ice				X		
			FW	1	500 mL Plastic	HNO3, Ice	X	X				
			FW	1	500 mL Plastic	H2SO4, Ice			X			
			FW	1	2000 mL Plastic	Ice				X		
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												

Comments:

Relinquished By	Received By
Signature: <i>Frank Wulff</i>	Signature: <i>[Signature]</i>
Print Name: Frank Wulff	Print Name: <i>[Name]</i>
Organization: MLJ-LLC	Organization: CALTEST
Date: 07/23/08 Time: 06:00	Date: 7-23-08 Time: 0710
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: <i>[Name]</i>	Print Name: <i>[Name]</i>
Organization: <i>[Org]</i>	Organization: <i>[Org]</i>
Date: 7-23-08 Time: 0600	Date: 7/23/08 Time: 0710

Temperature at Log In: \_\_\_\_\_ (°C)

**Matrix codes:** SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.0°C



# Caltest Chain-of-Custody Record

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wulff, C. Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

I071014

Metals: Copper only (EPA 200.8) \_\_\_\_\_  
 Hardness total as CaCO3 (EPA 130.2 / SM2340C) \_\_\_\_\_

SAMPLE COMMENTS

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative
1 -15 545XCCAH0-GR	07/29/08	10:10	FW	1	500 mL Plastic	HNO3, Ice
2 -16 545XDCART-GR	07/29/08	10:20	FW	1	500 mL Plastic	HNO3, Ice
3 -17 535XDSHFN-GR	7/29/08	13:40	FW	1	500 mL Plastic	HNO3, Ice
4 <del>535XDSHFN-GR</del>					<del>500 mL Plastic</del>	<del>HNO3, Ice</del>
5 -18 535XDSAWH-GR	7/29/08	18:20	FW	1	500 mL Plastic	HNO3, Ice
6 -19 545XDCAE-GR	07/29/08	13:00	FW	1	500 mL Plastic	HNO3, Ice
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Comments: July Management Plan Sampling

Relinquished By	Received By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>JONATHAN KATZ</u>	Print Name: <u>L. Gaeta</u>
Organization: <u>MJJ-LLC</u>	Organization: <u>Caltest</u>
Date: <u>7/30/08</u> Time: <u>06:15</u>	Date: <u>7/30/08</u> Time: <u>07:30</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>[Signature]</u>	Print Name: <u>[Signature]</u>
Organization: <u>[Signature]</u>	Organization: <u>[Signature]</u>
Date: <u>7/30/08</u> Time: <u>06:20</u>	Date: <u>7/30/08</u> Time: <u>07:30</u>

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.0°C



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, BEN JAMES  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA 110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E: coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-1	7/29/08	15:20	FW	2	500 mL Plastic															
-2	7/29/08	15:20	FW	2	500 mL Plastic															
-3	7/29/08	15:20	FW	1	500 mL Plastic															
-1A	7/29/08	15:20	FW	1	500 mL Plastic															

Comments: Temperature at Log In: (°C)

Please fax signed and completed COC to MJJ LLC: (530) 756-5225, or email to jkatz@mjj-llc.com

Relinquished By	Relinquished By
Signature: Jonathan Katz	Signature: [Signature]
Print Name: JONATHAN KATZ	Print Name: [Name]
Organization: MJJ LLC	Organization: [Org]
Date: 7/30/08 Time: 06:15	Date: 7/30/08 Time: 07:30
Received By: [Signature]	Received By: [Signature]
Print Name: [Name]	Print Name: [Name]
Organization: [Org]	Organization: [Org]
Date: 7/30/08 Time: 06:20	Date: 7/30/08 Time: 07:30

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.0 C





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 Drew Ave., Suite 175, Davis, CA 95618  
 OFFICE (530) 756-5225 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

DO-71014

Client Name:	MLJ-LLC
Address:	1490 Drew Ave., Suite 175, Davis, CA 95618
Sampled By:	F. Wulff, C. Pleat
Phone:	(530) 756-5200
Fax:	(530) 756-5225
Project Manager:	Michael Johnson
Project Name:	East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments
-9 535XBCAKR-GR	07/29/08	18:00	FW	1	500 mL Plastic									X	X	X	X	X	
-10 535BRCAVR-GR	7/29/08	18:40	FW	1	500 mL Plastic									X	X	X	X	X	
-11 545XCART-GR	07/29/08	11:10	FW	1	500 mL Plastic									X	X	X	X	X	Dry site
-12 545XDCARE-GR	07/27/08	15:30	FW	1	500 mL Plastic									X	X	X	X	X	Dry site

Comments:  Temperature at Log In: _____ (°C)  Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mij-llc.com	Relinquished By Signature: <i>[Signature]</i> Print Name: JONATHAN KATZ Organization: MLJ LLC Date: 7/30/08 Time: 06:15	Relinquished By Signature: <i>[Signature]</i> Print Name: L. Gaeta Organization: Caltest Date: 7/30/08 Time: 07:30	
	Received By Signature: <i>[Signature]</i> Print Name: J. Pleat Organization: Caltest Date: 7/30/08 Time: 06:20	Received By Signature: <i>[Signature]</i> Print Name: L. Gaeta Organization: Caltest Date: 7/30/08 Time: 07:30	

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRW = stormwater

1.0°C





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 PHONE: (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: B. JAMES, F. NULFF  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

J080818

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA 110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-1	08/19/08	09:40	FW	1	500 mL Plastic															
-2	08/19/08	12:30	FW	1	500 mL Plastic															
-3	08/19/08	11:20	FW	1	500 mL Plastic															
-4	08/19/08	13:50	FW	1	500 mL Plastic															
-5	08/19/08	10:30	FW	1	500 mL Plastic															
-14	08/19/08	12:10	FW	1	2000 mL Plastic															Nitrate only

Relinquished By	Relinquished By
Signature: <u>[Signature]</u> Print Name: <u>Jonathan Katz</u> Organization: <u>MLJ LLC</u> Date: <u>8/20/08</u> Time: <u>06:00</u>	Signature: <u>[Signature]</u> Print Name: <u>John Harts</u> Organization: <u>Caltest</u> Date: <u>8/20/08</u> Time: <u>07:45</u>
Signature: <u>[Signature]</u> Print Name: <u>John Harts</u> Organization: <u>Caltest</u> Date: <u>8/20/08</u> Time: <u>06:00</u>	Signature: <u>[Signature]</u> Print Name: <u>John Harts</u> Organization: <u>Caltest</u> Date: <u>8/20/08</u> Time: <u>07:45</u>

Comments: Temperature at Loq In: \_\_\_\_\_  
 Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mij-llc.com

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ - DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA 110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-8	8/19/08	8:40	FW	1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Triplet															
				1	2000 mL Plastic															
				1	100 mL POLY															
				2	500 mL Plastic															
				2	500 mL Plastic															
				3	40 mL VOA Triplet															
				2	2000 mL Plastic															
				2	2000 mL Plastic															
				1	100 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Triplet															
				1	2000 mL Plastic															
				1	100 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Triplet															
				1	2000 mL Plastic															
				1	100 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Triplet															
				1	2000 mL Plastic															
				1	100 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Triplet															
				1	2000 mL Plastic															
				1	100 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Triplet															
				1	2000 mL Plastic															
				1	100 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Triplet															
				1	2000 mL Plastic															
				1	100 mL POLY															
				1	500 mL Plastic															
				1	500 mL Plastic															
				1	40 mL VOA Triplet															
				1	2000 mL Plastic															
				1	100 mL POLY															

Comments: \_\_\_\_\_

Temperature at Loq In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mlj-llc.com

Relinquished By	Relinquished By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>JONATHAN KATZ</u>	Print Name: <u>[Name]</u>
Organization: <u>MLJ LLC</u>	Organization: <u>[Org]</u>
Date: <u>8/20/08</u> Time: <u>06:00</u>	Date: <u>8/20/08</u> Time: <u>07:15</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>[Name]</u>	Print Name: <u>[Name]</u>
Organization: <u>[Org]</u>	Organization: <u>[Org]</u>
Date: <u>8/20/08</u> Time: <u>0600</u>	Date: <u>8/20/08</u> Time: <u>0745</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
6 535XHCLR-GR2	08/19/08	14:10	FW	1	500 mL Plastic															
7 535XHCLR-FB	08/19/08	14:10	FW	1	500 mL Plastic															
8 535XHCLR-TB	08/19/08	14:10	FW	1	500 mL Plastic															

1080818

Comments: \_\_\_\_\_  
 Temperature at Log In: \_\_\_\_\_ (°C)  
 Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

Relinquished By	Relinquished By
Signature: <u>[Signature]</u> Print Name: <u>JONATHAN KATZ</u> Organization: <u>MLJ LLC</u> Date: <u>8/20/08</u> Time: <u>06:00</u>	Signature: <u>[Signature]</u> Print Name: <u>[Signature]</u> Organization: <u>[Signature]</u> Date: <u>8-20-08</u> Time: <u>0745</u>
Signature: <u>[Signature]</u> Print Name: <u>[Signature]</u> Organization: <u>[Signature]</u> Date: <u>8-20-08</u> Time: <u>0600</u>	Signature: <u>[Signature]</u> Print Name: <u>[Signature]</u> Organization: <u>[Signature]</u> Date: <u>8/20/08</u> Time: <u>0745</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRW = stormwater



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, D. Carcoran  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Metals: Copper only (EPA 200.8)		Hardness total as CaCO3 (EPA 130.2 / SM2340C)	SAMPLE COMMENTS
							X	X		
1 14 545XCCAHO-GR	08/24/08	09:40	FW	1	500 mL Plastic	HNO3, Ice	X	X		T080998
2 15 545XDCCART-GR	08/24/08	11:30	FW	1	500 mL Plastic	HNO3, Ice	X	X		
3 16 535XDSAWH-GR	08/24/08	15:20	FW	1	500 mL Plastic	HNO3, Ice	X	X		
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										

Comments: August management plan sampling

Relinquished By		Received By	
Signature: <u>Frank Wolff</u>	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>Frank Wolff</u>	Print Name: <u>JRHART</u>	Print Name: <u>L. Gaet-</u>	Print Name: <u>L. Gaet-</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>Caltest</u>	Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
Date: <u>08/27/08</u>	Date: <u>8-27-08</u>	Date: <u>8-27-08</u>	Date: <u>8-27-08</u>
Time: <u>06:00</u>	Time: <u>0710</u>	Time: <u>0710</u>	Time: <u>0710</u>
Received By		Received By	
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>JRHART</u>	Print Name: <u>JRHART</u>	Print Name: <u>L. Gaet-</u>	Print Name: <u>L. Gaet-</u>
Organization: <u>Caltest</u>	Organization: <u>Caltest</u>	Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
Date: <u>8-27-08</u>	Date: <u>8-27-08</u>	Date: <u>8-27-08</u>	Date: <u>8-27-08</u>
Time: <u>0600</u>	Time: <u>0600</u>	Time: <u>0710</u>	Time: <u>0710</u>

Temperature at Log In: \_\_\_\_\_ (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.05



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

**Caltest CHAIN-OF-CUSTODY RECORD**

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: F. Wulff, D. Corcoran  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	e. coli (SM 9223 B)	TQC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-1 545XDCARE-GR	8/24/08	12:30	FW	2	500 mL Plastic															
2 545XDCARE-GR2	8/24/08	12:30	FW	3	500 mL Plastic															
3 545XDCARE-FB	8/24/08	12:30	FW	3	40 mL VOA Triplet															
4 545XDCARE-TB	8/24/08	12:30	FW	2	2000 mL Plastic															
5				1	100 mL POLY															
6				1	500 mL Plastic															
7				1	500 mL Plastic															
8				1	40 mL VOA Triplet															
9				1	2000 mL Plastic															
10				1	260 mL POLY															
11				1	500 mL Plastic															
12				1	500 mL Plastic															
13				1	40 mL VOA Triplet															
14				1	2000 mL Plastic															
15				1	100 mL POLY															
16				1	500 mL Plastic															
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				

IO80998

Comments: Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC:  
 (530) 756-5225, or email to jkatz@mlj-llc.com

Relinquished By	Relinquished By
Signature: <u>Frank Wulff</u>	Signature: <u>J. HART</u>
Print Name: <u>Frank Wulff</u>	Print Name: <u>J. HART</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>CALTEST</u>
Date: <u>08/27/08</u> Time: <u>06:00</u>	Date: <u>8-27-08</u> Time: <u>0600</u>
Received By	Received By
Signature: <u>J. HART</u>	Signature: <u>A. Hunter</u>
Print Name: <u>J. HART</u>	Print Name: <u>L. Gaeta</u>
Organization: <u>CALTEST</u>	Organization: <u>Caltest</u>
Date: <u>8-27-08</u> Time: <u>0600</u>	Date: <u>8/27/08</u> Time: <u>0710</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

1.02



**MICHAEL L. JOHNSON LLC**  
 Environmental Sciences Consulting  
 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Office: (530) 756-5200 Fax: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: Jonathan Katz, Carolyn Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	F. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
4	8/26/07	14:30	FW	1	500 mL Plastic															
5	8/26/08	9:30	FW	1	500 mL Plastic															
6	8/26/08	9:30	FW	1	500 mL Plastic															
7	8/26/08	11:40	FW	1	500 mL Plastic															
8	8/26/07	13:00	FW	1	500 mL Plastic															

Comments: \_\_\_\_\_

Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

Relinquished By	Relinquished By
Signature: <u>Frank Wolff</u>	Signature: <u>[Signature]</u>
Print Name: <u>Frank Wolff</u>	Print Name: <u>[Name]</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>[Org]</u>
Date: <u>06/27/08</u> Time: <u>06:00</u>	Date: <u>8-27-08</u> Time: <u>0710</u>
Received By: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Print Name: <u>[Name]</u>	Print Name: <u>[Name]</u>
Organization: <u>[Org]</u>	Organization: <u>[Org]</u>
Date: <u>8-27-08</u> Time: <u>0600</u>	Date: <u>9/27/08</u> Time: <u>0710</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	MLJ-LLC
Address:	1490 Drew Ave., Suite 175, Davis, CA 95618
Sampled By:	<i>F. W. Luff, D. Corcoran</i>
Phone:	(530) 756-5200
Fax:	(530) 756-5225
Project Manager:	Michael Johnson
Project Name:	East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 365.2)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Phosphorus as P (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
9	8/26/08	16:00	FW	1	500 mL Plastic															
10	8/26/08	16:30	FW	1	500 mL Plastic															
11			FW	1	500 mL Plastic															
12			FW	1	500 mL Plastic															
13			FW	1	500 mL Plastic															
14			FW	1	500 mL Plastic															
15			FW	1	500 mL Plastic															
16			FW	1	500 mL Plastic															
17			FW	1	500 mL Plastic															
18			FW	1	500 mL Plastic															
19			FW	1	500 mL Plastic															
20			FW	1	500 mL Plastic															
21			FW	1	500 mL Plastic															
22			FW	1	500 mL Plastic															
23			FW	1	500 mL Plastic															
24			FW	1	500 mL Plastic															
25			FW	1	500 mL Plastic															
26			FW	1	500 mL Plastic															
27			FW	1	500 mL Plastic															
28			FW	1	500 mL Plastic															
29			FW	1	500 mL Plastic															
30			FW	1	500 mL Plastic															

1080998

Dry Side

Dry Side

Comments:	Temperature at Log In: (°C)	Relinquished By	Signature
Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com		Signature	<i>[Signature]</i>
		Print Name	Frank Wulff
		Organization	MLJ-LLC
		Date	08/27/08
		Time	06:00
		Received By	Signature
			<i>[Signature]</i>
			Print Name
			D. Bouter
			Organization
			Caltest
			Date
			8/27/08
			Time
			0710

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRAW = stormwater

108



# Caltest CHAIN-OF-CUSTODY RECORD

1090433

Client Name: MJJ-LLC		Address: 1490 Drew Ave. Suite 175, Davis, CA 95618		Corder# 920					
Sampled By: JONATHAN KATZ - FRANK WULF		Phone: (530) 756-5200		TEMP (°C): <u>5</u>					
Project Manager: Michael Johnson		Fax: (530) 756-5225		SEALED: <u>Y</u>					
Project Name: East San Joaquin Water Quality Coalition				INTACT: <u>Y</u>					
Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Metals: Copper only (EPA 200.8)	Hardness total as CaCO3 (EPA 130.2 / SM240C)	SAMPLE COMMENTS
545VACART-GR	09/09/08	13:20	FW	1	500 mL Plastic	HNO3, Ice	X	X	Dr's Site
535XLDARA-GR			FW	2	500 mL Plastic	HNO3, Ice	X	X	MATRIX SPIKE

Comments: August Management Plan Sampling September	Relinquished By Signature: <i>[Signature]</i> Print Name: Jonathan Katz Organization: MJJ-LLC Date: 9/10/08 Time: 9:00	Relinquished By Signature: <i>[Signature]</i> Print Name: Mike Lundeen Organization: Caltest Date: 9/10/08 Time: 0948	
	Received By Signature: <i>[Signature]</i> Print Name: Mike Lundeen Organization: Caltest Date: 9/10/08 Time: 0900	Received By Signature: <i>[Signature]</i> Print Name: E. Martindale Organization: Caltest Date: 9/10/08 Time: 0948	
	Temperature at Log In: (°C)		
	Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater		



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Office: (530) 756-5200 Fax: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

T090916

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wulff, S. Henderson  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-1 535XDCAWR-GR	09/23/08	8:30	FW	1	500 mL Plastic															
-2 535XHCAIR-GR	09/23/08	13:10	FW	1	500 mL Plastic															
-3 535XHCHNIN-GR	09/23/08	13:50	FW	1	500 mL Plastic															
535XMCAEA-GR			FW	1	500 mL Plastic															Dry Side
-4 535XSDAMD-GR	09/23/08	11:20	FW	1	500 mL Plastic															
-5 535XMRSFD-GR	09/23/08	12:10	FW	1	500 mL Plastic															

Comments: Temperature at Loq In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

Relinquished By		Relinquished By	
Signature: <u>Frank Wulff</u>	Signature: <u>Mike Cundeen</u>	Print Name: <u>Frank Wulff</u>	Print Name: <u>Mike Cundeen</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>Caltest</u>	Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
Date: <u>09/24/08</u> Time: <u>06:00</u>	Date: <u>9/24/08</u> Time: <u>07:45</u>	Date: <u>9/24/08</u> Time: <u>07:45</u>	Date: <u>9/24/08</u> Time: <u>07:43</u>
Signature: <u>Mike Cundeen</u>	Signature: <u>L. Gueter</u>	Print Name: <u>Mike Cundeen</u>	Print Name: <u>L. Gueter</u>
Organization: <u>Caltest</u>	Organization: <u>Caltest</u>	Organization: <u>Caltest</u>	Organization: <u>Caltest</u>
Date: <u>9/24/08</u> Time: <u>06:18</u>	Date: <u>9/24/08</u> Time: <u>07:43</u>	Date: <u>9/24/08</u> Time: <u>07:43</u>	Date: <u>9/24/08</u> Time: <u>07:43</u>

MATRIX CODES: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

Joaquín

Client Name:	MLJ-LLC
Address:	1490 Drew Ave. Suite 175, Davis, CA 95618
Sampled By:	JONATHAN KATZ, GABRIELE BOARER
Phone:	(530) 756-5200
Fax:	(530) 756-5225
Project Manager:	Michael Johnson
Project Name:	East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-6 535XWDAVR-GR	9/23/08	9:20	FW	1	500 mL Plastic															
-7 535XHDATR-GR	9/23/08	10:10	FW	1	500 mL Plastic															
-8 535XPFDCI-GR	9/23/08	11:00	FW	1	500 mL Plastic															
-9 535XLDARA-GR	9/23/08	15:20	FW	1	500 mL Plastic															
-10 535XHDACA-GR	9/23/08	12:40	FW	2	500 mL Plastic															
-11 535XPFDMR-GR	9/23/08	11:50	FW	1	2000 mL Plastic															Nitrate only

Comments:  Temperature at Log In: _____ (°C)  Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com	Relinquished By Signature: <i>Frank Wulff</i> Print Name: Frank Wulff Organization: MJO-LLC Date: 09/24/08 Time: 06:00 Received By Signature: <i>Mike Lember</i> Print Name: Mike Lember Organization: Caltest Date: 9/24/08 Time: 06:18	Relinquished By Signature: <i>Mike Lember</i> Print Name: Mike Lember Organization: Caltest Date: 9/24/08 Time: 07:43 Received By Signature: <i>h. Gaeta</i> Print Name: h. Gaeta Organization: Caltest Date: 9/24/08 Time: 07:43
--	---	--

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE (925) 756-5225 FAX: (925) 756-5225

**Caltest CHAIN-OF-CUSTODY RECORD**

I 100046

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, S. Henderson  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA 110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	F. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments	
-1 535XDSAHN-GR	9/30/08	15:10	FW	1	500 mL Plastic															
-2 535XDSAGR-GR	9/30/08	9:10	FW	1	500 mL Plastic															
-3 535DMCAHF-GR	9/30/08	12:20	FW	1	500 mL Plastic															
-4 535XMCARR-GR	9/30/08	13:50	FW	1	500 mL Plastic															
																				Dry site

Comments: Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mij-llc.com

TEMP (°C): \_\_\_\_\_

SEALED: \_\_\_\_\_

INTACT: \_\_\_\_\_

TEMP (°C): \_\_\_\_\_

SEALED: \_\_\_\_\_

INTACT: \_\_\_\_\_

Matrix codes: SED = sediment, FW = freshwater, STRMW = stormwater

Relinquished By	Relinquished By
Signature: <i>Melissa Turner</i>	Signature: <i>Paul Sauter</i>
Print Name: Melissa Turner	Print Name: Leah Gaeta
Organization: MLJ LLC	Organization: Caltest
Date: 10/1/08 Time: 5:55	Date: 10/1/08 Time: 07:07



**Caltest Chain-of-Custody Record**

F100046

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. W. Huff, S. Henderson  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-N02)	Soluble Orthophosphate as P (EPA 365.2/SM 4500 P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Ammonia (EPA 350.2)	Total Phosphorus as P (EPA 365.2/SM 4500 P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments
-5 535XDCAGR-GR	9/30/08	10:30	FW	2	500 mL Plastic														MATRIX SPIKE
-6 535XDCAGR-GR2	9/30/08	10:30	FW	2	500 mL Plastic														MATRIX SPIKE
-10 535XDCAGR-FB	9/30/08	10:30	FW	1	500 mL Plastic														MATRIX SPIKE
-7 535XDCAGR-FB	9/30/08	10:30	FW	1	500 mL Plastic														MATRIX SPIKE
-11 535XDCAGR-TB	9/30/08	10:30	FW	1	500 mL Plastic														MATRIX SPIKE

Comments: Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

TEMP. (°C): 5  
 SEALED: Y  
 INTACT: Y

Relinquished By	Relinquished By
Signature: Melissa Turner Print Name: Melissa Turner Organization: MLJ LLC Date: 10/1/08 Time: 5:55	Signature: Leah Gueta Print Name: Leah Gueta Organization: Caltest Date: 10/1/08 Time: 07:07
Signature: Mike Lundeen Print Name: Mike Lundeen Organization: Caltest Date: 10/1/08 Time: 05:55	Signature: Leah Gueta Print Name: Leah Gueta Organization: Caltest Date: 10/1/08 Time: 07:07

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# Caltest CHAIN-OF-CUSTODY RECORD

I 100046

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave., Suite 175, Davis, CA 95618  
 Sampled By: **JONATHAN KATZ / GABRIEL BOHRER**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Color (EPA110.2/SM 2120 B Mod)	Turbidity (EPA 180.1/SM 2130B)	TDS (EPA 160.1/SM 2540C)	E. coli (SM 9223 B)	TOC (EPA 415.1/SM 5310B/9060)	Nitrate as NO3 (EPA 300.0/300.1/9056)	Nitrite as N (EPA 354.1/SM 4500-NO2)	Soluble Orthophosphate as P (EPA 365.2/SM 4500P E)	Total Kjeldahl Nitrogen (EPA 351.3)	Total Phosphorus as P (EPA 4500P E)	Metals: Selenium, Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Zinc (EPA 200.8)	Hardness as CaCO3 (EPA 130.2/SM 2340C)	Sample Comments
8 535XBCKR-GR	9-30-08	13:30	FW	1	500 mL Plastic													
9 535BRCAVR-GR	9-30-08	14:20	FW	1	500 mL Plastic													
545XASAAAT-GR			FW	1	500 mL Plastic													Dry site
545XCCART-GR			FW	1	500 mL Plastic													Dry site
545XBSAAE-GR			FW	1	500 mL Plastic													Dry site
545XDCAE-GR			FW	1	500 mL Plastic													Dry site

Comments: Temperature at Log In: \_\_\_\_\_ (°C)

Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mij-llc.com

TEMP (°C): 5  
 SEALED: Y  
 INTACT: Y

Relinquished By		Relinquished By	
Signature: <i>Melissa Turner</i>	Signature: <i>MB RL</i>	Signature: <i>MB RL</i>	Signature: <i>MB RL</i>
Print Name: <i>Melissa Turner</i>	Print Name: <i>Mike Lundeen</i>	Print Name: <i>Mike Lundeen</i>	Print Name: <i>Mike Lundeen</i>
Organization: <i>MLJ LLC</i>	Organization: <i>Caltest</i>	Organization: <i>Caltest</i>	Organization: <i>Caltest</i>
Date: <i>10/1/08</i>	Date: <i>10/1/08</i>	Date: <i>10/1/08</i>	Date: <i>10/1/08</i>
Time: <i>5:55</i>	Time: <i>0855</i>	Time: <i>0708</i>	Time: <i>0707</i>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, S/RMW = stormwater



**Glyphosate Chemistry Analysis  
North Coast Laboratories (NCL)**







# NCL CHAIN-OF-CUSTODY RECORD

0705538

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave, Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, B. Jones  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Sample Comments
1 535XDSAHN-GR	04/29/08	16:00	FW	2	40-ml Glass	Ice	X
2 535XDSAGR-GR	04/29/08	12:00	FW	2	40-ml Glass	Ice	X
3 535XDCAGR-GR	04/29/08	12:50	FW	2	40-ml Glass	Ice	X
4 535XSSAQR-GR	04/29/08	11:10	FW	2	40-ml Glass	Ice	X
5 535DMCAHF-GR	04/29/08	13:50	FW	2	40-ml Glass	Ice	X
6 535XMCARR-GR	04/29/08	14:40	FW	2	40-ml Glass	Ice	X
7							
8							
9							
10							
11							
12							
13							
14							
15							

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com  
 ✓/k  
 5/1

Relinquished By	Received By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: Frank Wolff	Print Name: Frank Wolff
Organization: MLJ-LLC	Organization: MLJ-LLC
Date: 04/30/08 Time 12:00	Date: 04/30/08 Time 12:00
Relinquished By	Received By
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>[Name]</u>	Print Name: <u>[Name]</u>
Organization: <u>[Org]</u>	Organization: <u>[Org]</u>
Date: 5/1/08 Time 10:23	Date: 5/1/08 Time 10:23

Temperature at Log In: 1.0 (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1400 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# NCL CHAIN-OF-CUSTODY RECORD

0805534

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **JONATHAN KATZ, ALISON SIADATAN**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Phosphate - low level detection (EPA 8157)	SAMPLE COMMENTS
1 535XPFDCI-GR	5/20/08	12:00	FW	2	40-mL Glass	Ice	X	
2 535XHDACA-GR	5/20/08	13:30	FW	2	40-mL Glass	Ice	X	
3 535XWDVAVR-GR	5/20/08	8:50	FW	5	40-mL Glass	Ice	X	MATRIX SPIKE
4 535XLDARA-GR	5/20/08	15:50	FW	2	40-mL Glass	Ice	X	
5 535XHDATR-GR	5/20/08	10:50	FW	2	40-mL Glass	Ice	X	
6 535XWDVAVR-FD	5/20/08	8:50	FW	2	40-mL Glass	Ice	X	
7 535XWDVAVR-FB	5/20/08	8:50	FW	2	40-mL Glass	Ice	X	
8								
9								
10								
11								
12								
13								
14								
15								

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com  
 vpc 5/22

Relinquished By	Relinquished By
Signature: <i>Frank Wulff</i>	Signature
Print Name: Frank Wulff	Print Name
Organization: MLJ-LLC	Organization
Date: 05/21/08 Time: 12:00	Date Time
Received By	Received By
Signature: <i>Don Canbody</i>	Signature
Print Name: Don Canbody	Print Name
Organization: NCL	Organization
Date: 5/22/08 Time: 10:35	Date Time

Temperature at Log In: 21°C (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

**NCL CHAIN-OF-CUSTODY RECORD**

0805649

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Phosphate - low level detection (EPA 547)	SAMPLE COMMENTS
1 535XDSAHN-GR	05/27/08	15:30	FW	2	40-mL Glass	Ice	X	
2 535XDSAGR-GR	05/27/08	10:40	FW	5	40-mL Glass	Ice	X	MATRIX SPIKE
3 535XDCAGR-GR	05/27/08	12:30	FW	2	40-mL Glass	Ice	X	
4 <del>535XDSAGR-GR</del>					<del>40-mL Glass</del>	<del>Ice</del>	X	* SITE DRY
5 535DMCAHF-GR	05/27/08	13:30	FW	2	40-mL Glass	Ice	X	
6 535XMCARR-GR	05/27/08	14:20	FW	2	40-mL Glass	Ice	X	
7 535XBCAKR-GR	05/27/08	16:40	FW	2	40-mL Glass	Ice	X	
8 535XDSAGR-FD	05/27/08	10:40	FW	2	40-mL Glass	Ice	X	
9 535XDSAGR-FB	05/27/08	10:40	FW	2	40-mL Glass	Ice	X	
10								
11								
12								
13								
14								
15								

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com  
 5/29

Relinquished By	Relinquished By
Signature: <u>Frank Wolff</u>	Signature
Print Name: <u>Frank Wolff</u>	Print Name
Organization: <u>MLJ-LLC</u>	Organization
Date: <u>05/28/08</u> Time: <u>12:00</u>	Date Time
Signature: <u>Ken Canady</u>	Signature
Print Name: <u>Ken Canady</u>	Print Name
Organization: <u>NCL</u>	Organization
Date: <u>5/29/08</u> Time: <u>1012</u>	Date Time

Temperature at Log In: 0.5 (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





# NCL CHAIN-OF-CUSTODY RECORD

0806436

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **J. Katz, c. Plant**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Glycophosphate-low level detection (EPA 547)	SAMPLE COMMENTS
1 535XPFDCI-GR	6/17/08	11:30	FW	2	40-mL Glass	Ice	X	
2 535XHDACA-GR	6/17/08	13:10	FW	2	40-mL Glass	Ice	X	
3 535XWDVAVR-GR	6/17/08	8:50	FW	2	40-mL Glass	Ice	X	
4 535XLDARA-GR	6/17/08	15:30	FW	5	40-mL Glass	Ice	X	MATRIX SPIKE
5 535XHDATR-GR	6/17/08	10:10	FW	2	40-mL Glass	Ice	X	
6 535XLDARA-FD	6/17/08	15:30	FW	2	40-mL Glass	Ice	X	
7 535XLDARA-FB	6/17/08	15:30	FW	2	40-mL Glass	Ice	X	
8								
9								
10								
11								
12								
13								
14								
15								

Comments: Please fax signed and completed COC to MJJ LLC: (530) 756-5225, or email to jkatz@mjlj-llc.com  
*vjk* 6/19/08

Relinquished By		Received By	
Signature	<i>Frank Wulff</i>	Signature	<i>Paul Conady</i>
Print Name	Frank Wulff	Print Name	Paul Conady
Organization	MLJ-LLC	Organization	NCL
Date	06/18/08	Date	6/19/08
Time	12:00	Time	1146
Temperature at Log In: 03 (°C)		Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater	





# NCL CHAIN-OF-CUSTODY RECORD

0806775

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: F. Wolff, C. Plant  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Phosphate - low level detection (EPA 542)	Sample Comments
535XBCAKR-GR	04/24/08	16:30	FW	2	40-ml Glass	Ice	X	
535BRCAYR-GR	04/24/08	15:30	FW	2	40-ml Glass	Ice	X	
545XCCART-GR	04/24/08	10:30	FW	2	40-ml Glass	Ice	X	
545XDCARE-GR	04/24/08	11:30	FW	2	40-ml Glass	Ice	X	
545XPSAAE-GR			FW	2	40-ml Glass	Ice	X	Isolated Pool
545XASTANL-GR			FW	2	40-ml Glass	Ice	X	Dry Site

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

Temperature at Log In: 0.7 (°C)

Relinquished By		Received By	
Signature: <u>Frank Wolff</u>	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Print Name: <u>Frank Wolff</u>	Print Name: <u>[Name]</u>	Print Name: <u>[Name]</u>	Print Name: <u>[Name]</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>NCL</u>	Organization: <u>NCL</u>	Organization: <u>[Name]</u>
Date: <u>06/25/08</u>	Date: <u>06/25/08</u>	Date: <u>06/25/08</u>	Date: <u>06/25/08</u>
Time: <u>12:00</u>	Time: <u>12:00</u>	Time: <u>10:55</u>	Time: <u>10:55</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# NCL CHAIN-OF-CUSTODY RECORD

08/16/05/14

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave, Suite 175, Davis, CA 95618  
 Sampled By: DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Preservative  
 Type  
 Number  
 Sample Matrix  
 Sample Time  
 Sample Date

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	MATRIX SPIKE	SAMPLE COMMENTS
1 535XDSAHN-GR	6/24/08	15:10	FW	5:	40-mL Glass	Ice	X	
2 535XDSAGR-GR	6/24/08	10:10	FW	2	40-mL Glass	Ice	X	
3 535XDCAGR-GR	6/24/08	11:00	FW	2	40-mL Glass	Ice	X	
4 535XSSAQR-GR	6/24/08	09:20	FW	2	40-mL Glass	Ice	X	
5 535DMCAHF-GR	6/24/08	12:00	FW	2	40-mL Glass	Ice	X	
6 535XMCARR-GR	6/24/08	14:10	FW	2	40-mL Glass	Ice	X	
7 535XDSAHN-FD	6/24/08	15:20	FW	2	40-mL Glass	Ice	X	
8 535XDSAHN-FB	6/24/08	15:20	FW	2	40-mL Glass	Ice	X	
9								
10								
11								
12								
13								
14								
15								

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

Temperature at Log In: 0.7 (°C)

Relinquished By	Relinquished By
Signature: <u>Frank Wolff</u>	Signature: <u>[Signature]</u>
Print Name: <u>Frank Wolff</u>	Print Name: <u>[Name]</u>
Organization: <u>MLJ-LLC</u>	Organization: <u>[Org]</u>
Date: <u>06/25/08</u> Time: <u>12:00</u>	Date: <u>6/26/08</u> Time: <u>10:55</u>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1400 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# NCL CHAIN-OF-CUSTODY RECORD

0807488

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **JONATHAN KATZ, BEN JAMES**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Phosphate - low level detection (EPA 547)	SAMPLE COMMENTS
1 535XPFDCCL-GR	7/22/08	10:40	FW	2	40-mL Glass	Ice	X	
2 535XHDACA-GR	7/22/08	12:10	FW	2	40-mL Glass	Ice	X	
3 535XWDVAVR-GR	7/22/08	9:00	FW	2	40-mL Glass	Ice	X	
4 535XLDARA-GR	7/22/08	15:30	FW	2	40-mL Glass	Ice	X	
5 535XHDATR-GR	7/22/08	9:50	FW	2	40-mL Glass	Ice	X	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

Comments: Please fax signed and completed COC to MJJ LLC: (530) 756-5225, or email to jkatz@mjj-llc.com

Relinquished By	Relinquished By
Signature: <i>[Signature]</i>	Signature
Print Name: JONATHAN KATZ	Print Name
Organization: MJJ LLC	Organization
Date: 7/23/08	Date
Time: 11:20	Time
Received By	Received By
Signature: <i>[Signature]</i>	Signature
Print Name: Ben James	Print Name
Organization: NCL	Organization
Date: 7/24/08	Date
Time: 1010	Time

Temperature at Log In: 19 (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater





**MICHAEL L. JOHNSON LLC**  
 ECOSYSTEMS CONSULTING  
 1490 DREW AVE., SUITE 175, DAVIS, CA 95618  
 OFFICE: (530) 756-5200 FAX: (530) 756-5225

# NCL CHAIN-OF-CUSTODY RECORD

0809002

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: **JONATHAN KATZ, BEN JAMES**  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Phosphate - low level detection (EPA 843)	SAMPLE COMMENTS
1 535XPSAHN-GR	7/29/08	17:40	FW	2	40-mL Glass	Ice	X	
2 535XDSAGR-GR	7/29/08	11:00	FW	2	40-mL Glass	Ice	X	
3 535XDCAGR-GR	7/29/08	11:40	FW	2	40-mL Glass	Ice	X	
4 535XSSAQR-GR	7/29/08	10:10	FW	2	40-mL Glass	Ice	X	
5 535DMCAHF-GR	7/29/08	12:30	FW	2	40-mL Glass	Ice	X	
6 535XMCARR-GR	7/29/08	15:20	FW	5	40-mL Glass	Ice	X	MATRIX SPIKE
7 535XMCARR-FD	7/29/08	15:20	FW	2	40-mL Glass	Ice	X	
8 535XMCARR-FB	7/29/08	15:20	FW	2	40-mL Glass	Ice	X	
9								
10								
11								
12								
13								
14								
15								

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mjl-llc.com

Relinquished By	Relinquished By
Signature: <i>Frank Wulf</i>	Signature
Print Name: Frank Wulf	Print Name
Organization: MLO-LLC	Organization
Date: 07/30/08	Date
Time: 12:00	Time
Received By	Received By
Signature: <i>Ben Canady</i>	Signature
Print Name: Ben Canady	Print Name
Organization: NCL	Organization
Date: 7/31/08	Date
Time: 1025	Time

Temperature at Log In: 2.3 (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater







# NCL CHAIN-OF-CUSTODY RECORD

0808469

Client Name: MJJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: JONATHAN KATZ, DANIEL CORCORAN  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Phosphate - low level detection (EPA 847)	SAMPLE COMMENTS
1 535XDCAWR-GR	8/19/08	8:40	FW	2	40-mL Glass	Ice	X	
2 535XHCHNN-GR	8/19/08	19:00	FW	2	40-mL Glass	Ice	X	
3 535XHCAIR-GR	8/19/08	19:10	FW	5	40-mL Glass	Ice	X	
4 535XMEAEA-GR	8/19/08	11:30	FW	2	40-mL Glass	Ice	X	MATRIX SPIKE
5 535XSDAMD-GR	8/19/08	12:40	FW	2	40-mL Glass	Ice	X	dry Sds
6 535XMRSFD-GR	8/19/08	14:10	FW	2	40-mL Glass	Ice	X	
7 535XHCAIR-GR-2	8/19/08	14:10	FW	2	40-mL Glass	Ice	X	
8 535XHCAIR-FB	8/19/08	14:10	FW	2	40-mL Glass	Ice	X	
9								
10								
11								
12								
13								
14								
15								

Comments: Please fax signed and completed COC to MJJ LLC: (530) 756-5225, or email to jkatz@mjj-llc.com

Temperature at Log In: 0.4 (°C)

Relinquished By	Received By
Signature: Frank Wolff	Signature: Frank Wolff
Print Name: Frank Wolff	Print Name: Frank Wolff
Organization: MJJ-LLC	Organization: MJJ-LLC
Date: 08/20/08	Date: 08/20/08
Time: 13:00	Time: 10:15
Signature: Paul Canady	Signature: Paul Canady
Print Name: Paul Canady	Print Name: Paul Canady
Organization: NCL	Organization: NCL
Date: 8/20/08	Date: 8/20/08
Time: 10:15	Time: 10:15

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRW = stormwater







# NCL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: *F. Wolff, S. Henderson*  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Glyphosate - low level detection (EPA 547)	SAMPLE COMMENTS
1. 535XDCAWR-GR	09/23/08	8:30	FW	2	40-mL Glass	Ice	X	
2. 535XHCHNN-GR	09/23/08	13:50	FW	2	40-mL Glass	Ice	X	
3. 535XHICALR-GR	09/23/08	13:10	FW	2	40-mL Glass	Ice	X	
4. 535XMCAPR-GR	09/23/08	13:10	FW	2	40-mL Glass	Ice	X	
5. 535XSDAMD-GR	09/23/08	11:20	FW	2	40-mL Glass	Ice	X	<i>Dry Site</i>
6. 535XMRSFD-GR	09/23/08	12:10	FW	2	40-mL Glass	Ice	X	
7.								
8.								
9.								
10.								
11.								
12.								
13.								
14.								
15.								

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

Relinquished By	Relinquished By
Signature: <i>MLJ</i>	Signature
Print Name: <i>GABRIEL &amp; BONER</i>	Print Name
Organization: <i>MLJ-LLC</i>	Organization
Date: <i>9/24/08</i>	Date
Time: <i>13:00</i>	Time
Received By	Received By
Signature: <i>[Signature]</i>	Signature
Print Name: <i>JUDIE HANBURY</i>	Print Name
Organization: <i>NCL</i>	Organization
Date: <i>9/26/08</i>	Date
Time: <i>1200</i>	Time

Temperature at Log In: *0.3* (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# NCL CHAIN-OF-CUSTODY RECORD

Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: *S Katz G. Boner*  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Comments
535XPFDCI-GR	9/23/08	11:06	FW	2	40-mL Glass	Ice	
535XHDACA-GR	9/23/08	12:40	FW	5	40-mL Glass	Ice	
535XWDADR-GR	9/23/08	9:20	FW	2	40-mL Glass	Ice	
535XLDARA-GR	9/23/08	15:20	FW	2	40-mL Glass	Ice	
535XHDATR-GR	9/23/08	10:10	FW	2	40-mL Glass	Ice	
535XHDACA-GR2	9/23/08	12:40	FW	2	40-mL Glass	Ice	
535XHDACA-FB	9/23/08	12:40	FW	2	40-mL Glass	Ice	

Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	Comments
535XPFDCI-GR	9/23/08	11:06	FW	2	40-mL Glass	Ice	X
535XHDACA-GR	9/23/08	12:40	FW	5	40-mL Glass	Ice	X
535XWDADR-GR	9/23/08	9:20	FW	2	40-mL Glass	Ice	X
535XLDARA-GR	9/23/08	15:20	FW	2	40-mL Glass	Ice	X
535XHDATR-GR	9/23/08	10:10	FW	2	40-mL Glass	Ice	X
535XHDACA-GR2	9/23/08	12:40	FW	2	40-mL Glass	Ice	X
535XHDACA-FB	9/23/08	12:40	FW	2	40-mL Glass	Ice	X

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

Temperature at Log In: 0.3 (°C)

Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: <i>Gabriel Boner</i>	Print Name: <i>Trudie Haughey</i>
Organization: <i>MLJS - LLC</i>	Organization: <i>NCL</i>
Date: <i>9/24/08</i> Time: <i>13:00</i>	Date: <i>9/24/08</i> Time: <i>1200</i>

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater

# NCL CHAIN-OF-CUSTODY RECORD

08/0072



Client Name: MLJ-LLC  
 Address: 1490 Drew Ave. Suite 175, Davis, CA 95618  
 Sampled By: FRANK WULFF, STEPHANIE HENDERSON  
 Phone: (530) 756-5200  
 Fax: (530) 756-5225  
 Project Manager: Michael Johnson  
 Project Name: East San Joaquin Water Quality Coalition

#	Sample Identification	Sample Date	Sample Time	Sample Matrix	Number	Type	Preservative	SAMPLE COMMENTS
1	535XDSAHN-GR	9/20/08	5:10	FW	2	40-mL Glass	Ice	
2	535XDSAGR-GR	9/22/08	9:10	FW	2	40-mL Glass	Ice	
3	535XDCAGR-GR	9/20/08	10:30	FW	5	40-mL Glass	Ice	
4	<del>535XDSAGR-GR</del>	<del>9/20/08</del>	<del>12:10</del>	<del>FW</del>	<del>2</del>	<del>40-mL Glass</del>	<del>Ice</del>	<del>MATRIX SPIKE</del>
5	535DMCAHF-GR	9/20/08	12:10	FW	2	40-mL Glass	Ice	Dry site
6	535XMCARR-GR	9/20/08	13:30	FW	2	40-mL Glass	Ice	
7	535XDCAGR-GR2	9/20/08	10:30	FW	2	40-mL Glass	Ice	
8	535XDCAGR-FB	9/20/08	10:30	FW	2	40-mL Glass	Ice	
9								
10								
11								
12								
13								
14								
15								

Comments: Please fax signed and completed COC to MLJ LLC: (530) 756-5225, or email to jkatz@mlj-llc.com

Relinquished By Signature: <i>[Signature]</i> Print Name: Frank Wulff Organization: MLJ-LLC Date: 10/01/08 Time: 13:45	Relinquished By Signature: _____ Print Name: _____ Organization: _____ Date: _____ Time: _____
Received By Signature: <i>[Signature]</i> Print Name: TRAVIS HANGLY Organization: NCL Date: 10/2/08 Time: 1040	Received By Signature: _____ Print Name: _____ Organization: _____ Date: _____ Time: _____

Temperature at Log In: 0.0 (°C)

Matrix codes: SED = sediment, FW = freshwater, WW = wastewater, STRMW = stormwater



# **Appendix III**

## **Lab and Field QC Results**

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**Table III -1. ESJWQC sample results including field blanks (FB) and field duplicates (FD) for organic analysis.**

Expected values for field duplicates are the associated environmental sample result. Samples are sorted by station name, sample type code, sample date, and analyte.

Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	63.6	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Methodathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	56.6	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 619	Tributylphosphate (Surrogate)	85.7	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	

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Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	68	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	85.7	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	87.7	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 619	Triphenylphosphate (Surrogate)	78.5	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Triphenylphosphate (Surrogate)	78.5	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	09/30/08	10:30	EPA 8141A	Triphenylphosphate (Surrogate)	85.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	

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Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	54.5	%	=	NA	NA	100		None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	

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Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2	<0.08	FD RPD NA	None	RPD <25	

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Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	

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Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	55.7	%	=	NA	NA	100		None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 619	Tributylphosphate (Surrogate)	85.1	%	=	NA	NA	100		None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	70.4	%	=	NA	NA	100		None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	85.1	%	=	NA	NA	100		None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	55.6	%	=	NA	NA	100		None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	76.7	%	=	NA	NA	100		None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	76.7	%	=	NA	NA	100		None	RPD <25	
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	09/30/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	84.4	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	

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Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	84	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	53.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 619	Tributylphosphate (Surrogate)	95.7	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	97.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	93.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	70.9	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	91	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	123	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FB	1.00	06/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	97.9	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	79.3	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Diuron	0.32	µg/L	DNQ	0.2	0.4	0.28	FD RPD 13.3	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Methomyl	0.06	µg/L	DNQ	0.05	0.07	0.06	FD RPD 0	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	1.5	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 619	Simazine	1.8	µg/L	=	0.08	0.5	1.6	FD RPD 11.7	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	54.1	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 619	Tributylphosphate (Surrogate)	95.8	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	98.6	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	71.7	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	90.7	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	94	%	=	NA	NA	100		None	RPD <25	
Deadman Creek @ Hwy 59	FD	2.00	06/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	77.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Isoxaben (Surrogate)	96.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	

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Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	71.7	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 619	Tributylphosphate (Surrogate)	137	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	137	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	76.4	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	94.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	126	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	126	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	04/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	75.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	78.9	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	Batch run overnight.
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	

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Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	56.6	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 619	Tributylphosphate (Surrogate)	89.5	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	89.5	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	64.5	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	95	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	84.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	58.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	

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Dry Creek @ Rd 18	FB	1.00	08/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	84.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.1	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Diuron	0.36	µg/L	DNQ	0.2	0.4	0.37	FD RPD2.7	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Isoxaben (Surrogate)	97.5	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	57.1	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 619	Tributylphosphate (Surrogate)	121	%	=	NA	NA	100		None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	121	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	72.5	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	93.9	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	123	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	123	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	04/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	75.4	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	68	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None	RPD <25	Batch run overnight.
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	56.5	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 619	Tributylphosphate (Surrogate)	90.3	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	68.3	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	90.3	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	99.1	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	86.5	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	86.5	%	=	NA	NA	100		None	RPD <25	
Dry Creek @ Rd 18	FD	2.00	08/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	61.3	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	104	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Isoxaben (Surrogate)	91.6	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Methodathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		A holding time violation has occurred.	<RL or < (sample ÷ 5)	Original batch extracted on 6/3/08 but MS1/MS1D and LCS recoveries were outside control limits (due to bad SPE cartridges); Batch re-extracted.
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	67.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 619	Tributylphosphate (Surrogate)	95	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	123	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	95	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8321A	Tributylphosphate (Surrogate)	91.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 619	Triphenyl phosphate (Surrogate)	83.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	87.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FB	1.00	05/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	83.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	96.3	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Diuron	0.22	µg/L	DNQ	0.2	0.4	0.2	FD RPD 9.5	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	10	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Isoxaben (Surrogate)	84.9	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	A holding time violation has occurred.	RPD <25	Original batch extracted on 6/3/08 but MS1/MS1D and LCS recoveries were outside control limits (due to bad SPE cartridges); Batch re-extracted.
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 619	Simazine	0.74	µg/L	=	0.08	0.5	0.74	FD RPD 0	Primary and confirmation results varied by > than 40%	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	54.7	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 619	Tributylphosphate (Surrogate)	88.3	%	=	NA	NA	100		None	RPD <25	

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Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	88.3	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	125	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8321A	Tributylphosphate (Surrogate)	76.3	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 619	Triphenyl phosphate (Surrogate)	77.1	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	97	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Gurr Rd	FD	2.00	05/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	77.1	%	=	NA	NA	100		None	RPD <25	
Duck Slough @ Hwy 99	FB	1.00	06/24/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	
Duck Slough @ Hwy 99	FD	2.00	06/24/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	74.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	

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Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Isoxaben (Surrogate)	69	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	

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Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	59.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 619	Tributylphosphate (Surrogate)	94.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Tributylphosphate (Surrogate)	94.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Tributylphosphate (Surrogate)	96.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8321A	Tributylphosphate (Surrogate)	76.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 619	Triphenyl phosphate (Surrogate)	119	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	98.9	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FB	1.00	04/22/08	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	119	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	

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Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	DDT (p,p')	0.023	µg/L	=	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	62.8	%	=	NA	NA	100		None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	

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Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Isoxaben (Surrogate)	68	%	=	NA	NA	100		None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	

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Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	43.4	%	=	NA	NA	100		None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 619	Tributylphosphate (Surrogate)	82.2	%	=	NA	NA	100		None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Tributylphosphate (Surrogate)	82.2	%	=	NA	NA	100		None	RPD <25	

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Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Tributylphosphate (Surrogate)	60.1	%	=	NA	NA	100		None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8321A	Tributylphosphate (Surrogate)	78.6	%	=	NA	NA	100		None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 619	Triphenyl phosphate (Surrogate)	99	%	=	NA	NA	100		None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	99	%	=	NA	NA	100		None	RPD <25	
Hatch Drain @ Tuolumne Rd	FD	2.00	04/22/08	9:30	EPA 8141A	Triphenyl phosphate (Surrogate)	60.1	%	=	NA	NA	100		None	RPD <25	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	DDE (p,p')	0.0089	µg/L	DNQ	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	Env sample = ND
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	DDT (p,p')	0.018	µg/L	=	0.007	0.01	<0.01		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	Env sample = ND
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	90.9	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 619	Tributylphosphate (Surrogate)	91.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	91.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	91.6	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8321A	Tributylphosphate (Surrogate)	73.7	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 619	Triphenyl phosphate (Surrogate)	93.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	93.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FB	1.00	08/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	83.4	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	

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Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Chlorpyrifos	0.031	µg/L	=	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	76.4	%	=	NA	NA	100		None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Diazinon	0.019	µg/L	DNQ	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Malathion	0.14	µg/L	=	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	

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Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Parathion, Methyl	0.18	µg/L	=	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	72.6	%	=	NA	NA	100		None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 619	Tributylphosphate (Surrogate)	88.8	%	=	NA	NA	100		None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	83	%	=	NA	NA	100		None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	88.8	%	=	NA	NA	100		None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8321A	Tributylphosphate (Surrogate)	84.4	%	=	NA	NA	100		None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 619	Triphenyl phosphate (Surrogate)	92.9	%	=	NA	NA	100		None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	92.9	%	=	NA	NA	100		None	RPD <25	
Highline Canal @ Lombardy Rd	FD	2.00	08/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	78.1	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	78.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	Batch run overnight.
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	87.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 619	Tributylphosphate (Surrogate)	95.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	95.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	70.4	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8321A	Tributylphosphate (Surrogate)	81.5	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 619	Triphenyl phosphate (Surrogate)	95.9	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	83	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FB	1.00	09/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	95.9	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	

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Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	87.2	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None	RPD <25	Batch run overnight.
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2	<0.08	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	

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Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	86.1	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 619	Tributylphosphate (Surrogate)	99.5	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	99.5	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	77.1	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8321A	Tributylphosphate (Surrogate)	88.1	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100		None	RPD <25	
Hilmar Drain @ Central Ave	FD	2.00	09/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	88.6	%	=	NA	NA	100		None	RPD <25	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	86	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	Due to chromatography problems the samples were re-analyzed.
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	40.7	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 619	Tributylphosphate (Surrogate)	110	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	72.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	110	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8321A	Tributylphosphate (Surrogate)	77.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 619	Triphenyl phosphate (Surrogate)	98.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	73.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	FB	1.00	06/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	98.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Chlorpyrifos	0.23	µg/L	=	0.003	0.02	0.015	FD RPD 176	Field duplicate RPD above QC limit	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	

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Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	90.5	%	=	NA	NA	100		None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 547M	Glyphosate	<4	µg/L	ND	4	15	<4	FD RPD NA	Reporting limits elevated due to matrix interference	RPD <25	Due to chromatography problems the samples were re-analyzed..
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	

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Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	43	%	=	NA	NA	100		None	RPD <25	

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Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 619	Tributylphosphate (Surrogate)	119	%	=	NA	NA	100		None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	119	%	=	NA	NA	100		None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	68.3	%	=	NA	NA	100		None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8321A	Tributylphosphate (Surrogate)	79.6	%	=	NA	NA	100		None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 619	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100		None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	68.3	%	=	NA	NA	100		None	RPD <25	
Livingston Drain @ Robin Ave	FD	2.00	06/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100		None	RPD <25	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	79.4	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	79	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 619	Tributylphosphate (Surrogate)	97	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	73.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	97	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	83.6	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	89.6	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	89.6	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FB	1.00	07/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	76.4	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Chlorpyrifos	0.017	µg/L	DNQ	0.003	0.02	0.021	FD RPD 21	Primary and confirmation results varied by > than 40%	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	56	%	=	NA	NA	100		None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 547M	Glyphosate	<4	µg/L	ND	4	10	<4	FD RPD NA	Reporting limits elevated due to matrix interference	RPD <25	

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Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.9	%	=	NA	NA	100		None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 619	Tributylphosphate (Surrogate)	97.4	%	=	NA	NA	100		None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	97.4	%	=	NA	NA	100		None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	66.6	%	=	NA	NA	100		None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	74.5	%	=	NA	NA	100		None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	92.6	%	=	NA	NA	100		None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	92.6	%	=	NA	NA	100		None	RPD <25	
Miles Creek @ Reilly Rd	FD	2.00	07/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	68.3	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	82.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	83.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 619	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	65.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	128	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	93.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	66.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FB	1.00	07/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	93.8	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Chlorpyrifos	0.41	µg/L	=	0.003	0.02	0.43	FD RPD 4.76	Primary and confirmation results varied by > than 40%	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.09	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	66.3	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Esfenvalerate/ Fenvaterate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	35	<4	FD RPD NA	Reporting limits elevated due to matrix interference	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	None	RPD <25	

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Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	88	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 619	Tributylphosphate (Surrogate)	98	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	98	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	72.7	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	140	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	94	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	94	%	=	NA	NA	100		None	RPD <25	
Silva Drain @ Meadow Dr	FD	2.00	07/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	78.8	%	=	NA	NA	100		None	RPD <25	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.02		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.03		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.02		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.05		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.

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Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.01		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.01		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	96.9	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.02		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.1		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.

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Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.01		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.01		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.02		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<5		None	<RL or < (sample ÷ 5)	Batch run overnight; The J value did not confirm on the second column, therefore the lab reported the result as an estimate.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Isoxaben (Surrogate)	84	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	

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Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.07		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.01		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.4		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.4		A holding time violation has occurred.	<RL or < (sample ÷ 5)	Original batch extracted on 5/27/08 but MS1/MS1D and LCS recoveries were outside control limits (due to bad SPE cartridges); Batch re-extracted.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.1		None	<RL or < (sample ÷ 5)	

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Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.02		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.1		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.2		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	65.1	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.5		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 619	Tributylphosphate (Surrogate)	92.4	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Tributylphosphate (Surrogate)	127	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Tributylphosphate (Surrogate)	92.4	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8321A	Tributylphosphate (Surrogate)	91.7	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 619	Triphenyl phosphate (Surrogate)	83.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	

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Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Triphenyl phosphate (Surrogate)	94.3	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FB	1.00	05/20/08	8:50	EPA 8141A	Triphenyl phosphate (Surrogate)	83.2	%	=	NA	NA	100		None	<RL or < (sample ÷ 5)	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5	<0.07	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02	<0.006	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02	<0.003	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 619	Cyanazine	0.14	µg/L	DNQ	0.09	0.5	0.27	FD RPD 63.4	Field duplicate RPD above QC limit	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03	<0.003	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.

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Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02	<0.001	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05	<0.004	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01	<0.003	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01	<0.004	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.

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Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	99.1	%	=	NA	NA	100		None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02	<0.004	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1	<0.01	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01	<0.005	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1	<0.08	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1	<0.02	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01	<0.007	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.

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Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02	<0.002	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 547M	Glyphosate	<4	µg/L	ND	4	5	<4	FD RPD NA	None	RPD <25	Batch run overnight
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Isoxaben (Surrogate)	92.4	%	=	NA	NA	100		None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2	<0.01	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07	<0.05	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01	<0.008	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5	<0.13	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4	<0.2	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4	<0.21	FD RPD NA	A holding time violation has occurred.	RPD <25	Original batch extracted on 5/27/08 but MS1/MS1D and LCS recoveries were outside control limits (due to bad SPE cartridges); Batch re-extracted.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1	<0.075	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02	<0.009	FD RPD NA	None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1	<0.072	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2	<0.06	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5	<0.08	FD RPD NA	None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	50.5	%	=	NA	NA	100		None	RPD <25	Incorrect surrogates were spiked in reported original batch, samples were re-extracted with the correct surrogates and results were confirmed.
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5	<0.06	FD RPD NA	None	RPD <25	

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Station Name	Sample Type Code	Sample Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 619	Tributylphosphate (Surrogate)	74	%	=	NA	NA	100		None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Tributylphosphate (Surrogate)	113	%	=	NA	NA	100		None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Tributylphosphate (Surrogate)	74	%	=	NA	NA	100		None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8321A	Tributylphosphate (Surrogate)	97.6	%	=	NA	NA	100		None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 619	Triphenyl phosphate (Surrogate)	71.6	%	=	NA	NA	100		None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Triphenyl phosphate (Surrogate)	71.6	%	=	NA	NA	100		None	RPD <25	
Westport Drain @ Vivian Rd	FD	2.00	05/20/08	8:50	EPA 8141A	Triphenyl phosphate (Surrogate)	89	%	=	NA	NA	100		None	RPD <25	

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**Table III -2. ESJWQC laboratory quality assurance (LABQA) results for organic analysis.**

Results include blanks (LabBlank), matrix spikes (MS), and laboratory control spikes (LCS) for organic analysis. LABQA was performed for samples collected during the 2008 irrigation season and results are sorted by sample type, station name, sample date, and analyte. For laboratory control samples, the sample date is equal to the extraction date; some LABQA samples may appear to be duplicates due to multiple batches run on the same date.

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Aldicarb	1.1	µg/L	=	0.2	0.4	1.07	PR 103		None	PR 31-133
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Aldicarb	1.1	µg/L	=	0.2	0.4	1.07	PR 103	RPD 0.0	None	PR 31-133 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 619	Atrazine	1.82	µg/L	=	0.07	0.5	2.5	PR 72.8	RPD 1.6	None	PR 39-156 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 619	Atrazine	1.85	µg/L	=	0.07	0.5	2.5	PR 74.0		None	PR 39-156
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Azinphos methyl	2.49	µg/L	=	0.02	0.1	2.5	PR 99.6	RPD 5.4	None	PR 36-189 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Azinphos methyl	2.36	µg/L	=	0.02	0.1	2.5	PR 94.4		None	PR 36-189
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Bifenthrin	0.114	µg/L	=	0.006	0.02	0.2	PR 57.0		None	PR 52-117
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Bifenthrin	0.144	µg/L	=	0.006	0.02	0.2	PR 72.0	RPD 23.3	None	PR 52-117 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Carbaryl	1.31	µg/L	=	0.05	0.07	1.07	PR 122		None	PR 44-133
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Carbaryl	1.35	µg/L	=	0.05	0.07	1.07	PR 126	RPD 3.0	None	PR 44-133 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Carbofuran	1.04	µg/L	=	0.05	0.07	1.07	PR 97.2	RPD 6.5	None	PR 36-165 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Carbofuran	1.11	µg/L	=	0.05	0.07	1.07	PR 104		None	PR 36-165
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Chlorpyrifos	4.96	µg/L	=	0.003	0.02	5	PR 99.2	RPD 7.3	None	PR 61-125 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Chlorpyrifos	4.61	µg/L	=	0.003	0.02	5	PR 92.2		None	PR 61-125
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 619	Cyanazine	3.85	µg/L	=	0.09	0.5	2.5	PR 154	RPD 8.1	None	PR 22-172 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 619	Cyanazine	3.55	µg/L	=	0.09	0.5	2.5	PR 142		None	PR 22-172
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Cyfluthrin, total	0.161	µg/L	=	0.003	0.03	0.2	PR 80.5		RPD exceeds laboratory control limit	PR 53-125

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Cyfluthrin, total	0.234	µg/L	=	0.003	0.03	0.2	PR 117	RPD 37.0	RPD exceeds laboratory control limit	PR 53-125 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Cyhalothrin, lambda, total	0.145	µg/L	=	0.001	0.02	0.2	PR 72.5		None	PR 62-104
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Cyhalothrin, lambda, total	0.186	µg/L	=	0.001	0.02	0.2	PR 93.0	RPD 24.8	None	PR 62-104 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Cypermethrin, total	0.741	µg/L	=	0.004	0.05	1	PR 74.1		None	PR 55-107
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Cypermethrin, total	0.953	µg/L	=	0.004	0.05	1	PR 95.3	RPD 25.0	None	PR 55-107 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	DDD (p,p')	0.411	µg/L	=	0.003	0.01	0.68	PR 60.4		None	PR 38-135
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	DDD (p,p')	0.406	µg/L	=	0.003	0.01	0.68	PR 59.7	RPD 1.2	None	PR 38-135 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	DDE (p,p')	0.422	µg/L	=	0.004	0.01	0.7	PR 60.3		None	PR 21-134
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	DDE (p,p')	0.42	µg/L	=	0.004	0.01	0.7	PR 60.0	RPD 0.48	None	PR 21-134 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	DDT (p,p')	0.442	µg/L	=	0.007	0.01	0.739	PR 59.8	RPD 0.45	None	PR 18-145 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	DDT (p,p')	0.444	µg/L	=	0.007	0.01	0.739	PR 60.1		None	PR 18-145
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	63.3	%	=	NA	NA	100			None	PR 16-146
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	62	%	=	NA	NA	100			None	PR 16-146
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Diazinon	2.36	µg/L	=	0.004	0.02	2.5	PR 94.4	RPD 3.9	None	PR 57-130 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Diazinon	2.27	µg/L	=	0.004	0.02	2.5	PR 90.8		None	PR 57-130
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Dicofol	0.163	µg/L	=	0.01	0.1	0.2	PR 81.5		None	PR 40-135
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Dicofol	0.161	µg/L	=	0.01	0.1	0.2	PR 80.5	RPD 1.2	None	PR 40-135 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Dieldrin	0.435	µg/L	=	0.005	0.01	0.722	PR 60.2		None	PR 48-121
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Dieldrin	0.429	µg/L	=	0.005	0.01	0.722	PR 59.4	RPD 1.4	None	PR 48-121 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Dimethoate	2.01	µg/L	=	0.08	0.1	2.5	PR 80.4	RPD 2.0	None	PR 68-202 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Dimethoate	1.97	µg/L	=	0.08	0.1	2.5	PR 78.8		None	PR 68-202
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Disulfoton	2.16	µg/L	=	0.02	0.1	2.5	PR 86.4	RPD 3.2	None	PR 47-117 RPD <25

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Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Disulfoton	2.23	µg/L	=	0.02	0.1	2.5	PR 89.2		None	PR 47-117
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Diuron	1.11	µg/L	=	0.2	0.4	1.07	PR 104		None	PR 52-136
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Diuron	1.22	µg/L	=	0.2	0.4	1.07	PR 114	RPD 9.4	None	PR 52-136 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Endrin	0.401	µg/L	=	0.007	0.01	0.604	PR 66.4		None	PR 24-143
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Endrin	0.41	µg/L	=	0.007	0.01	0.604	PR 67.9	RPD 2.2	None	PR 24-143 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.176	µg/L	=	0.002	0.02	0.2	PR 88.0	RPD 26.4	RPD exceeds laboratory control limit	PR 52-117 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.135	µg/L	=	0.002	0.02	0.2	PR 67.5		RPD exceeds laboratory control limit	PR 52-117
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 547M	Glyphosate	52.62	µg/L	=	4	5	50	PR 105	RPD 0.54	None	PR 72-131 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 547M	Glyphosate	52.34	µg/L	=	4	5	50	PR 105		None	PR 72-131
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Linuron	1.17	µg/L	=	0.2	0.4	1.07	PR 109		None	PR 49-144
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Linuron	1.2	µg/L	=	0.2	0.4	1.07	PR 112	RPD 2.5	None	PR 49-144 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Malathion	2.7	µg/L	=	0.05	0.1	2.5	PR 108	RPD 4.9	None	PR 47-125 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Malathion	2.57	µg/L	=	0.05	0.1	2.5	PR 103		None	PR 47-125
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Methamidophos	0.26	µg/L	=	0.08	0.2	0.5	PR 52.0		None	PR 40-135
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Methamidophos	0.275	µg/L	=	0.08	0.2	0.5	PR 55.0	RPD 5.6	None	PR 40-135 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Methidathion	2.58	µg/L	=	0.04	0.1	2.5	PR 103	RPD 7.2	None	PR 50-150 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Methidathion	2.4	µg/L	=	0.04	0.1	2.5	PR 96.0		None	PR 50-150
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Methiocarb	1.13	µg/L	=	0.2	0.4	1.07	PR 106		None	PR 35-142
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Methiocarb	1.2	µg/L	=	0.2	0.4	1.07	PR 112	RPD 6.0	None	PR 35-142 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Methomyl	0.945	µg/L	=	0.05	0.07	1.07	PR 88.3		None	PR 23-152
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Methomyl	1.02	µg/L	=	0.05	0.07	1.07	PR 95.3	RPD 7.6	None	PR 23-152 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Methoxychlor	0.396	µg/L	=	0.008	0.01	0.586	PR 67.6	RPD 1.8	None	PR 30-163 RPD <25

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Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Methoxychlor	0.389	µg/L	=	0.008	0.01	0.586	PR 66.4		None	PR 30-163
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Molinate	1.92	µg/L	=	0.13	0.5	2.5	PR 76.8	RPD 4.1	None	PR 50-150 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Molinate	2	µg/L	=	0.13	0.5	2.5	PR 80.0		None	PR 50-150
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Oxamyl	0.757	µg/L	=	0.2	0.4	1.07	PR 70.7		None	PR 10-117
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Oxamyl	0.802	µg/L	=	0.2	0.4	1.07	PR 75.0	RPD 5.8	None	PR 10-117 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 549.2M	Paraquat dichloride	12.8	µg/L	=	0.21	0.4	12	PR 107		Matrix spike recovery not within control limits	PR 43-102
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 549.2M	Paraquat dichloride	12.2	µg/L	=	0.21	0.4	12	PR 102	RPD 4.8	None	PR 43-102 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Parathion, Methyl	2.54	µg/L	=	0.075	0.1	2.5	PR 102	RPD 7.3	None	PR 55-164 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Parathion, Methyl	2.36	µg/L	=	0.075	0.1	2.5	PR 94.4		None	PR 55-164
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Permethrin, total	0.139	µg/L	=	0.009	0.02	0.2	PR 69.5		None	PR 24-166
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Permethrin, total	0.162	µg/L	=	0.009	0.02	0.2	PR 81.0	RPD 15.3	None	PR 24-166 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Phorate	2.36	µg/L	=	0.072	0.1	2.5	PR 94.4	RPD 3.4	None	PR 44-117 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Phorate	2.28	µg/L	=	0.072	0.1	2.5	PR 91.2		None	PR 44-117
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Phosmet	2.72	µg/L	=	0.06	0.2	2.5	PR 109	RPD 1.1	None	PR 50-150 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Phosmet	2.69	µg/L	=	0.06	0.2	2.5	PR 108		None	PR 50-150
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 619	Simazine	1.71	µg/L	=	0.08	0.5	2.5	PR 68.4	RPD 1.7	None	PR 21-179 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 619	Simazine	1.74	µg/L	=	0.08	0.5	2.5	PR 69.6		None	PR 21-179
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	64.3	%	=	NA	NA	100			None	PR 15-98
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	61.7	%	=	NA	NA	100			None	PR 15-98
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Thiobencarb	2.11	µg/L	=	0.06	0.5	2.5	PR 84.4	RPD 16.4	None	PR 50-150 RPD <25
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Thiobencarb	1.79	µg/L	=	0.06	0.5	2.5	PR 71.6		None	PR 50-150
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 619	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100			None	PR 62-145

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Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100			None	PR 60-150
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	122	%	=	NA	NA	100			None	PR 36-140
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8321A	Tributylphosphate (Surrogate)	117	%	=	NA	NA	100			None	PR 36-140
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	61.6	%	=	NA	NA	100			None	PR 60-150
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	62	%	=	NA	NA	100			None	PR 60-150
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Tributylphosphate (Surrogate)	95.2	%	=	NA	NA	100			None	PR 60-150
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 619	Tributylphosphate (Surrogate)	95.2	%	=	NA	NA	100			None	PR 62-145
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	97.6	%	=	NA	NA	100			None	PR 54-144
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	97.6	%	=	NA	NA	100			None	PR 56-129
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	70	%	=	NA	NA	100			None	PR 56-129
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	97.6	%	=	NA	NA	100			None	PR 56-129
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 619	Triphenyl phosphate (Surrogate)	97.6	%	=	NA	NA	100			None	PR 54-144
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 8141A	Triphenyl phosphate (Surrogate)	62	%	=	NA	NA	100			None	PR 56-129
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Aldicarb	0.782	µg/L	=	0.2	0.4	1.07	PR 73.1	RPD 8.0	None	PR 31-133 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Aldicarb	0.722	µg/L	=	0.2	0.4	1.07	PR 67.5		None	PR 31-133
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 619	Atrazine	13.2	µg/L	=	0.07	0.5	10	PR 132	RPD 8.7	None	PR 39-156 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 619	Atrazine	12.1	µg/L	=	0.07	0.5	10	PR 121		None	PR 39-156
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Azinphos methyl	2.59	µg/L	=	0.02	0.1	2	PR 130	RPD 0.78	None	PR 36-189 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Azinphos methyl	2.57	µg/L	=	0.02	0.1	2	PR 129		None	PR 36-189
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Bifenthrin	0.261	µg/L	=	0.006	0.02	0.4	PR 65.3		None	PR 52-117
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Bifenthrin	0.273	µg/L	=	0.006	0.02	0.4	PR 68.3	RPD 4.5	None	PR 52-117 RPD <25
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Carbaryl	1.01	µg/L	=	0.05	0.07	1.07	PR 94.4	RPD 2.1	None	PR 44-133 RPD <25

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Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Carbaryl	0.989	µg/L	=	0.05	0.07	1.07	PR 92.4		None	PR 44-133
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Carbofuran	0.931	µg/L	=	0.05	0.07	1.07	PR 87.0	RPD 7.0	None	PR 36-165 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Carbofuran	0.868	µg/L	=	0.05	0.07	1.07	PR 81.1		None	PR 36-165
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Chlorpyrifos	0.84	µg/L	=	0.003	0.02	1	PR 84.0	RPD 5.1	None	PR 61-125 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Chlorpyrifos	0.884	µg/L	=	0.003	0.02	1	PR 88.4		None	PR 61-125
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 619	Cyanazine	14.1	µg/L	=	0.09	0.5	10	PR 141	RPD 12.0	None	PR 22-172 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 619	Cyanazine	12.5	µg/L	=	0.09	0.5	10	PR 125		None	PR 22-172
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Cyfluthrin, total	0.376	µg/L	=	0.003	0.03	0.4	PR 94.0		None	PR 53-125
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Cyfluthrin, total	0.399	µg/L	=	0.003	0.03	0.4	PR 99.8	RPD 5.9	None	PR 53-125 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	0.35	µg/L	=	0.001	0.02	0.4	PR 87.5		None	PR 62-104
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	0.363	µg/L	=	0.001	0.02	0.4	PR 90.7	RPD 3.6	None	PR 62-104 RPD <25
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Cypermethrin, total	1.75	µg/L	=	0.004	0.05	2	PR 87.5	RPD 4.1	None	PR 55-107 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Cypermethrin, total	1.68	µg/L	=	0.004	0.05	2	PR 84.0		None	PR 55-107
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	DDD (p,p')	0.574	µg/L	=	0.003	0.01	0.6	PR 95.7		None	PR 38-135
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	DDD (p,p')	0.576	µg/L	=	0.003	0.01	0.6	PR 96.0	RPD 0.35	None	PR 38-135 RPD <25
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	DDE (p,p')	0.562	µg/L	=	0.004	0.01	0.6	PR 93.7	RPD 0.89	None	PR 21-134 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	DDE (p,p')	0.557	µg/L	=	0.004	0.01	0.6	PR 92.8		None	PR 21-134
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	DDT (p,p')	0.598	µg/L	=	0.007	0.01	0.6	PR 99.7		None	PR 18-145
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	DDT (p,p')	0.597	µg/L	=	0.007	0.01	0.6	PR 99.5	RPD 0.17	None	PR 18-145 RPD <25
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	81.8	%	=	NA	NA	100			None	PR 16-146
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	86	%	=	NA	NA	100			None	PR 16-146
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Diazinon	0.846	µg/L	=	0.004	0.02	1	PR 84.6	RPD 5.6	None	PR 57-130 RPD <25

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Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Diazinon	0.895	µg/L	=	0.004	0.02	1	PR 89.5		None	PR 57-130
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Dicofol	0.231	µg/L	=	0.01	0.1	0.4	PR 57.8	RPD 12.9	None	PR 40-135 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Dicofol	0.203	µg/L	=	0.01	0.1	0.4	PR 50.8		None	PR 40-135
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Dieldrin	0.542	µg/L	=	0.005	0.01	0.6	PR 90.3	RPD 1.6	None	PR 48-121 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Dieldrin	0.551	µg/L	=	0.005	0.01	0.6	PR 91.8		None	PR 48-121
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Dimethoate	0.78	µg/L	=	0.08	0.1	1	PR 78.0	RPD 5.5	None	PR 68-202 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Dimethoate	0.824	µg/L	=	0.08	0.1	1	PR 82.4		None	PR 68-202
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Disulfoton	0.907	µg/L	=	0.02	0.1	1	PR 90.7	RPD 4.5	None	PR 47-117 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Disulfoton	0.867	µg/L	=	0.02	0.1	1	PR 86.7		None	PR 47-117
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Diuron	1.08	µg/L	=	0.2	0.4	1.35	PR 74.8	RPD 4.5	None	PR 52-136 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Diuron	1.13	µg/L	=	0.2	0.4	1.35	PR 79.4		None	PR 52-136
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Endrin	0.564	µg/L	=	0.007	0.01	0.6	PR 94.0	RPD 5.0	None	PR 24-143 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Endrin	0.593	µg/L	=	0.007	0.01	0.6	PR 98.8		None	PR 24-143
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.376	µg/L	=	0.002	0.02	0.4	PR 94.0		None	PR 52-117
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.383	µg/L	=	0.002	0.02	0.4	PR 95.8	RPD 1.8	None	PR 52-117 RPD <25
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Linuron	0.825	µg/L	=	0.2	0.4	1.07	PR 77.1	RPD 0.48	None	PR 49-144 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Linuron	0.829	µg/L	=	0.2	0.4	1.07	PR 77.5		None	PR 49-144
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Malathion	1.04	µg/L	=	0.05	0.1	1	PR 104		None	PR 47-125
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Malathion	1.09	µg/L	=	0.05	0.1	1	PR 109	RPD 4.7	None	PR 47-125 RPD <25
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Methamidophos	0.369	µg/L	=	0.01	0.2	0.5	PR 73.8	RPD 27.4		PR 40-135 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Methamidophos	0.28	µg/L	=	0.01	0.2	0.5	PR 56.0		RPD exceeds laboratory control limit	PR 40-135
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Methidathion	6.26	µg/L	=	0.04	0.1	4	PR 157	RPD 12.0	Matrix spike recovery not within control limits	PR 50-150 RPD <25

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Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Methidathion	5.55	µg/L	=	0.04	0.1	4	PR 139		None	PR 50-150
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Methiocarb	0.888	µg/L	=	0.2	0.4	1.07	PR 83.0	RPD 7.4	None	PR 35-142 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Methiocarb	0.956	µg/L	=	0.2	0.4	1.07	PR 89.3		None	PR 35-142
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Methomyl	0.802	µg/L	=	0.05	0.07	1.13	PR 69.3	RPD 5.1	None	PR 23-152 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Methomyl	0.762	µg/L	=	0.05	0.07	1.13	PR 65.6		None	PR 23-152
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Methoxychlor	0.568	µg/L	=	0.008	0.01	0.6	PR 94.7		None	PR 30-163
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Methoxychlor	0.568	µg/L	=	0.008	0.01	0.6	PR 94.7	RPD 0.0	None	PR 30-163 RPD <25
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Molinate	13.2	µg/L	=	0.13	0.5	10	PR 132	RPD 4.7	None	PR 50-150 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Molinate	12.6	µg/L	=	0.13	0.5	10	PR 126		None	PR 50-150
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Oxamyl	0.431	µg/L	=	0.2	0.4	1.07	PR 40.3	RPD 3.4	None	PR 10-117 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Oxamyl	0.446	µg/L	=	0.2	0.4	1.07	PR 41.7		None	PR 10-117
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 549.2M	Paraquat dichloride	9.98	µg/L	=	0.21	0.4	17.5	PR 53.0		None	PR 43-102
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 549.2M	Paraquat dichloride	10.5	µg/L	=	0.21	0.4	17.5	PR 56.3	RPD 5.1	None	PR 43-102 RPD <25
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Parathion, Methyl	0.795	µg/L	=	0.075	0.1	1	PR 79.5	RPD 8.5	None	PR 55-164 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Parathion, Methyl	0.866	µg/L	=	0.075	0.1	1	PR 86.6		None	PR 55-164
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Permethrin, total	0.286	µg/L	=	0.009	0.02	0.4	PR 71.5	RPD 2.1	None	PR 24-166 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Permethrin, total	0.28	µg/L	=	0.009	0.02	0.4	PR 70.0		None	PR 24-166
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Phorate	0.791	µg/L	=	0.072	0.1	1	PR 79.1	RPD 8.6	None	PR 44-117 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Phorate	0.862	µg/L	=	0.072	0.1	1	PR 86.2		None	PR 44-117
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Phosmet	2.78	µg/L	=	0.06	0.2	2	PR 139	RPD 13.4	None	PR 50-150 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Phosmet	2.43	µg/L	=	0.06	0.2	2	PR 122		None	PR 50-150
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 619	Simazine	15.7	µg/L	=	0.08	0.5	11.6	PR 141	RPD 7.9	None	PR 21-179 RPD <25

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Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 619	Simazine	14.5	µg/L	=	0.08	0.5	11.6	PR 129		None	PR 21-179
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	48.3	%	=	NA	NA	100			None	PR 15-98
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	72	%	=	NA	NA	100			None	PR 15-98
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Thiobencarb	13.8	µg/L	=	0.06	0.5	10	PR 138	RPD 9.1	None	PR 50-150 RPD <25
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Thiobencarb	12.6	µg/L	=	0.06	0.5	10	PR 126		None	PR 50-150
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	75.9	%	=	NA	NA	100			None	PR 36-140
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 619	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100			None	PR 62-145
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	92	%	=	NA	NA	100			None	PR 60-150
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 619	Tributylphosphate (Surrogate)	113	%	=	NA	NA	100			None	PR 62-145
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	96.5	%	=	NA	NA	100			None	PR 60-150
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	123	%	=	NA	NA	100			None	PR 60-150
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	132	%	=	NA	NA	100			None	PR 60-150
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	74.1	%	=	NA	NA	100			None	PR 36-140
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	93	%	=	NA	NA	100			None	PR 56-129
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	86.5	%	=	NA	NA	100			None	PR 56-129
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100			None	PR 54-144
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	99.5	%	=	NA	NA	100			None	PR 54-144
Deadman Creek @ Hwy 59	MS	2.00	06/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	153	%	=	NA	NA	100			Surrogate recovery is outside of control limits	PR 56-129
Deadman Creek @ Hwy 59	MS	1.00	06/24/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	126	%	=	NA	NA	100			None	PR 56-129
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Aldicarb	0.804	µg/L	=	0.2	0.4	1.07	PR 75.1	RPD 10.0	None	PR 31-133 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Aldicarb	0.889	µg/L	=	0.2	0.4	1.07	PR 83.1		None	PR 31-133
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 619	Atrazine	7.54	µg/L	=	0.07	0.5	5	PR 151		None	PR 39-156

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Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 619	Atrazine	7.19	µg/L	=	0.07	0.5	5	PR 144	RPD 4.8	None	PR 39-156 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Azinphos methyl	2.55	µg/L	=	0.02	0.1	2	PR 127		None	PR 36-189
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Azinphos methyl	2.72	µg/L	=	0.02	0.1	2	PR 136	RPD 6.5	None	PR 36-189 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Bifenthrin	0.261	µg/L	=	0.006	0.02	0.4	PR 65.3	RPD 1.9	None	PR 52-117 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Bifenthrin	0.266	µg/L	=	0.006	0.02	0.4	PR 66.5		None	PR 52-117
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Carbaryl	0.781	µg/L	=	0.05	0.07	1.07	PR 73.0	RPD 22.2	None	PR 44-133 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Carbaryl	0.625	µg/L	=	0.05	0.07	1.07	PR 58.4		None	PR 44-133
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Carbofuran	0.979	µg/L	=	0.05	0.07	1.07	PR 91.5		None	PR 36-165
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Carbofuran	0.919	µg/L	=	0.05	0.07	1.07	PR 85.9	RPD 6.3	None	PR 36-165 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Chlorpyrifos	1.08	µg/L	=	0.003	0.02	1	PR 108	RPD 5.7	None	PR 61-125 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Chlorpyrifos	1.02	µg/L	=	0.003	0.02	1	PR 102		None	PR 61-125
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 619	Cyanazine	8.9	µg/L	=	0.09	0.5	5	PR 178	RPD 3.9	Matrix spike recovery not within control limits	PR 22-172 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 619	Cyanazine	8.56	µg/L	=	0.09	0.5	5	PR 171		None	PR 22-172
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Cyfluthrin, total	0.295	µg/L	=	0.003	0.03	0.4	PR 73.7	RPD 4.6	None	PR 53-125 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Cyfluthrin, total	0.309	µg/L	=	0.003	0.03	0.4	PR 77.3		None	PR 53-125
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	0.418	µg/L	=	0.001	0.02	0.4	PR 104	RPD 3.3	None	PR 62-104 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Cyhalothrin, lambda, total	0.432	µg/L	=	0.001	0.02	0.4	PR 108		Matrix spike recovery not within control limits	PR 62-104
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Cypermethrin, total	1.4	µg/L	=	0.004	0.05	2	PR 70.0	RPD 4.9	None	PR 55-107 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Cypermethrin, total	1.47	µg/L	=	0.004	0.05	2	PR 73.5		None	PR 55-107
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	DDD (p,p')	0.523	µg/L	=	0.003	0.01	0.6	PR 87.2		None	PR 38-135
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	DDD (p,p')	0.519	µg/L	=	0.003	0.01	0.6	PR 86.5	RPD 0.77	None	PR 38-135 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	DDE (p,p')	0.483	µg/L	=	0.004	0.01	0.6	PR 80.5	RPD 7.2	None	PR 21-134 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	DDE (p,p')	0.519	µg/L	=	0.004	0.01	0.6	PR 86.5		None	PR 21-134

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Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	DDT (p,p')	0.528	µg/L	=	0.007	0.01	0.6	PR 88.0	RPD 4.8	None	PR 18-145 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	DDT (p,p')	0.554	µg/L	=	0.007	0.01	0.6	PR 92.3		None	PR 18-145
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.7	%	=	NA	NA	100			None	PR 16-146
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.7	%	=	NA	NA	100			None	PR 16-146
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Diazinon	1.07	µg/L	=	0.004	0.02	1	PR 107		None	PR 57-130
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Diazinon	1.08	µg/L	=	0.004	0.02	1	PR 108	RPD 0.93	None	PR 57-130 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Dicofol	0.208	µg/L	=	0.01	0.1	0.4	PR 52.0	RPD 13.0	None	PR 40-135 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Dicofol	0.237	µg/L	=	0.01	0.1	0.4	PR 59.2		None	PR 40-135
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Dieldrin	0.55	µg/L	=	0.005	0.01	0.6	PR 91.7		None	PR 48-121
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Dieldrin	0.525	µg/L	=	0.005	0.01	0.6	PR 87.5	RPD 4.7	None	PR 48-121 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Dimethoate	1.55	µg/L	=	0.08	0.1	1	PR 155		None	PR 68-202
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Dimethoate	1.63	µg/L	=	0.08	0.1	1	PR 163	RPD 5.0	None	PR 68-202 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Disulfoton	1.04	µg/L	=	0.02	0.1	1	PR 104	RPD 147.8	RPD exceeds laboratory control limit	PR 47-117 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Disulfoton	0.156	µg/L	=	0.02	0.1	1	PR 15.6		Matrix spike recovery not within control limits; RPD exceeds laboratory control limit	PR 47-117
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Diuron	1.33	µg/L	=	0.2	0.4	1.44	PR 89.7	RPD 2.2	None	PR 52-136 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Diuron	1.36	µg/L	=	0.2	0.4	1.44	PR 92.5		None	PR 52-136
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Endrin	0.544	µg/L	=	0.007	0.01	0.6	PR 90.7		None	PR 24-143
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Endrin	0.516	µg/L	=	0.007	0.01	0.6	PR 86.0	RPD 5.3	None	PR 24-143 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	0.297	µg/L	=	0.002	0.02	0.4	PR 74.2	RPD 0.67	None	PR 52-117 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	0.299	µg/L	=	0.002	0.02	0.4	PR 74.7		None	PR 52-117
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 547M	Glyphosate	49.3	µg/L	=	4	5	50	PR 98.6		None	PR 72-131
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 547M	Glyphosate	50.88	µg/L	=	4	5	50	PR 102	RPD 3.2	None	PR 72-131 RPD <25

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Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Isoxaben (Surrogate)	101	%	=	NA	NA	100			None	PR 47-134
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Isoxaben (Surrogate)	97	%	=	NA	NA	100			None	PR 47-134
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Linuron	0.938	µg/L	=	0.2	0.4	1.07	PR 87.7	RPD 6.4	None	PR 49-144 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Linuron	1	µg/L	=	0.2	0.4	1.07	PR 93.5		None	PR 49-144
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Malathion	1.17	µg/L	=	0.05	0.1	1	PR 117		None	PR 47-125
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Malathion	1.3	µg/L	=	0.05	0.1	1	PR 130	RPD 10.5	Matrix spike recovery not within control limits	PR 47-125 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Methamidophos	0.201	µg/L	=	0.01	0.2	0.5	PR 40.2	RPD 1.5	None	PR 40-135 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Methamidophos	0.198	µg/L	=	0.01	0.2	0.5	PR 39.6		Matrix spike recovery not within control limits	PR 40-135
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Methidathion	3.9	µg/L	=	0.04	0.1	2	PR 97.5	RPD 5.8	None	PR 50-150 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Methidathion	3.68	µg/L	=	0.04	0.1	2	PR 92		None	PR 50-150
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Methiocarb	0.952	µg/L	=	0.2	0.4	1.07	PR 89.0	RPD 1.9	None	PR 35-142 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Methiocarb	0.934	µg/L	=	0.2	0.4	1.07	PR 87.3		None	PR 35-142
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Methomyl	0.83	µg/L	=	0.05	0.07	1.07	PR 77.6		None	PR 23-152
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Methomyl	0.801	µg/L	=	0.05	0.07	1.07	PR 74.9	RPD 3.6	None	PR 23-152 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Methoxychlor	0.529	µg/L	=	0.008	0.01	0.6	PR 88.2	RPD 1.1	None	PR 30-163 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Methoxychlor	0.535	µg/L	=	0.008	0.01	0.6	PR 89.2		None	PR 30-163
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Molinate	7.12	µg/L	=	0.13	0.5	5	PR 142		None	PR 50-150
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Molinate	6.94	µg/L	=	0.13	0.5	5	PR 139	RPD 2.6	None	PR 50-150 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Oxamyl	0.585	µg/L	=	0.2	0.4	1.07	PR 54.7	RPD 3.2	None	PR 10-117 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Oxamyl	0.604	µg/L	=	0.2	0.4	1.07	PR 56.4		None	PR 10-117
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 549.2M	Paraquat dichloride	50.4	µg/L	=	0.21	0.4	40	PR 126	RPD 17.9	Matrix spike recovery not within control limits	PR 43-102 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 549.2M	Paraquat dichloride	42.1	µg/L	=	0.21	0.4	40	PR 105		Matrix spike recovery not within control limits	PR 43-102
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Parathion, Methyl	0.946	µg/L	=	0.075	0.1	1	PR 94.6		None	PR 55-164
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Parathion, Methyl	0.943	µg/L	=	0.075	0.1	1	PR 94.3	RPD 0.32	None	PR 55-164 RPD <25

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Permethrin, total	0.294	µg/L	=	0.009	0.02	0.4	PR 73.5		None	PR 24-166
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Permethrin, total	0.299	µg/L	=	0.009	0.02	0.4	PR 74.7	RPD 1.7	None	PR 24-166 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Phorate	1.12	µg/L	=	0.072	0.1	1	PR 112		None	PR 44-117
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Phorate	1.17	µg/L	=	0.072	0.1	1	PR 117	RPD 4.4	None	PR 44-117 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Phosmet	2.23	µg/L	=	0.06	0.2	1	PR 112		None	PR 50-150
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Phosmet	2.15	µg/L	=	0.06	0.2	1	PR 108	RPD 3.7	None	PR 50-150 RPD <25
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 619	Simazine	5.72	µg/L	=	0.08	0.5	5	PR 114		None	PR 21-179
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 619	Simazine	5.77	µg/L	=	0.08	0.5	5	PR 115	RPD 0.87	None	PR 21-179 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	67.7	%	=	NA	NA	100			None	PR 15-98
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	70.7	%	=	NA	NA	100			None	PR 15-98
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Thiobencarb	7.66	µg/L	=	0.06	0.5	5	PR 76.6		None	PR 50-150
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Thiobencarb	7.68	µg/L	=	0.06	0.5	5	PR 76.8	RPD 0.26	None	PR 50-150 RPD <25
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 619	Tributylphosphate (Surrogate)	121	%	=	NA	NA	100			None	PR 62-145
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	121	%	=	NA	NA	100			None	PR 60-150
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	72.8	%	=	NA	NA	100			None	PR 60-150
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	72.8	%	=	NA	NA	100			None	PR 60-150
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100			None	PR 36-140
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8321A	Tributylphosphate (Surrogate)	109	%	=	NA	NA	100			None	PR 36-140
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 619	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100			None	PR 62-145
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100			None	PR 60-150
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	125	%	=	NA	NA	100			None	PR 56-129
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	119	%	=	NA	NA	100			None	PR 54-144
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	61.2	%	=	NA	NA	100			None	PR 56-129

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	119	%	=	NA	NA	100			None	PR 56-129
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 619	Triphenyl phosphate (Surrogate)	125	%	=	NA	NA	100			None	PR 54-144
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 8141A	Triphenyl phosphate (Surrogate)	60.8	%	=	NA	NA	100			None	PR 56-129
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Aldicarb	0.895	µg/L	=	0.2	0.4	1.07	PR 83.6		None	PR 31-133
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Aldicarb	0.988	µg/L	=	0.2	0.4	1.07	PR 92.3	RPD 9.9	None	PR 31-133 RPD <25
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 619	Atrazine	5.3	µg/L	=	0.07	0.5	5	PR 106	RPD 2.1	None	PR 39-156 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 619	Atrazine	5.41	µg/L	=	0.07	0.5	5	PR 108		None	PR 39-156
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Azinphos methyl	4.9	µg/L	=	0.02	0.1	5	PR 98.0		None	PR 36-189
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Azinphos methyl	5.02	µg/L	=	0.02	0.1	5	PR 100	RPD 2.4	None	PR 36-189 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Bifenthrin	0.123	µg/L	=	0.006	0.02	0.2	PR 61.5		None	PR 52-117
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Bifenthrin	0.123	µg/L	=	0.006	0.02	0.2	PR 61.5	RPD 0.0	None	PR 52-117 RPD <25
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Carbaryl	0.799	µg/L	=	0.05	0.07	1.07	PR 74.7	RPD 4.8	None	PR 44-133 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Carbaryl	0.838	µg/L	=	0.05	0.07	1.07	PR 78.3		None	PR 44-133
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Carbofuran	0.79	µg/L	=	0.05	0.07	1.07	PR 73.8	RPD 4.8	None	PR 36-165 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Carbofuran	0.829	µg/L	=	0.05	0.07	1.07	PR 77.5		None	PR 36-165
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Chlorpyrifos	9.17	µg/L	=	0.003	0.02	10	PR 91.7		None	PR 61-125
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Chlorpyrifos	9.29	µg/L	=	0.003	0.02	10	PR 92.9	RPD 1.3	None	PR 61-125 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 619	Cyanazine	3.75	µg/L	=	0.09	0.5	5	PR 75.0		None	PR 22-172
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 619	Cyanazine	4.65	µg/L	=	0.09	0.5	5	PR 93.0	RPD 21.4	None	PR 22-172 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Cyfluthrin, total	0.146	µg/L	=	0.003	0.03	0.2	PR 73.0		None	PR 53-125
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Cyfluthrin, total	0.148	µg/L	=	0.003	0.03	0.2	PR 74.0	RPD 1.4	None	PR 53-125 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	0.148	µg/L	=	0.001	0.02	0.2	PR 74.0		None	PR 62-104
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Cyhalothrin, lambda, total	0.152	µg/L	=	0.001	0.02	0.2	PR 76.0	RPD 2.7	None	PR 62-104 RPD <25

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Cypermethrin, total	0.758	µg/L	=	0.004	0.05	1	PR 75.8	RPD 1.2	None	PR 55-107 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Cypermethrin, total	0.749	µg/L	=	0.004	0.05	1	PR 74.9		None	PR 55-107
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	DDD (p,p')	0.191	µg/L	=	0.003	0.01	0.3	PR 63.7		None	PR 38-135
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	DDD (p,p')	0.218	µg/L	=	0.003	0.01	0.3	PR 72.7	RPD 13.2	None	PR 38-135 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	DDE (p,p')	0.291	µg/L	=	0.004	0.01	0.3	PR 97.0		None	PR 21-134
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	DDE (p,p')	0.294	µg/L	=	0.004	0.01	0.3	PR 98.0	RPD 1.0	None	PR 21-134 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	DDT (p,p')	0.261	µg/L	=	0.007	0.01	0.3	PR 87.0		None	PR 18-145
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	DDT (p,p')	0.27	µg/L	=	0.007	0.01	0.3	PR 90.0	RPD 3.4	None	PR 18-145 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.7	%	=	NA	NA	100			None	PR 16-146
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.3	%	=	NA	NA	100			None	PR 16-146
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Diazinon	4.76	µg/L	=	0.004	0.02	5	PR 95.2		None	PR 57-130
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Diazinon	4.78	µg/L	=	0.004	0.02	5	PR 95.6	RPD 0.42	None	PR 57-130 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Dicofol	0.161	µg/L	=	0.01	0.1	0.2	PR 80.5		None	PR 40-135
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Dicofol	0.162	µg/L	=	0.01	0.1	0.2	PR 81.0	RPD 0.62	None	PR 40-135 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Dieldrin	0.3	µg/L	=	0.005	0.01	0.3	PR 100		None	PR 48-121
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Dieldrin	0.299	µg/L	=	0.005	0.01	0.3	PR 99.7	RPD 0.33	None	PR 48-121 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Dimethoate	4.79	µg/L	=	0.08	0.1	5	PR 95.8		None	PR 68-202
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Dimethoate	4.95	µg/L	=	0.08	0.1	5	PR 99.0	RPD 3.3	None	PR 68-202 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Disulfoton	4.48	µg/L	=	0.02	0.1	5	PR 89.6		None	PR 47-117
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Disulfoton	4.71	µg/L	=	0.02	0.1	5	PR 94.2	RPD 5.0	None	PR 47-117 RPD <25
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Diuron	0.947	µg/L	=	0.2	0.4	1.07	PR 88.5	RPD 4.3	None	PR 52-136 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Diuron	0.907	µg/L	=	0.2	0.4	1.07	PR 84.8		None	PR 52-136
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Endrin	0.299	µg/L	=	0.007	0.01	0.4	PR 74.7		None	PR 24-143
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Endrin	0.301	µg/L	=	0.007	0.01	0.4	PR 75.3	RPD 0.67	None	PR 24-143 RPD <25

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Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.141	µg/L	=	0.002	0.02	0.2	PR 70.5		None	PR 52-117
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.143	µg/L	=	0.002	0.02	0.2	PR 71.5	RPD 1.4	None	PR 52-117 RPD <25
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 547M	Glyphosate	45.23	µg/L	=	4	5	50	PR 90.5	RPD 1.7	None	PR 72-131 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 547M	Glyphosate	44.46	µg/L	=	4	5	50	PR 88.9		None	PR 72-131
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Linuron	0.946	µg/L	=	0.2	0.4	1.07	PR 88.4	RPD 0.53	None	PR 49-144 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Linuron	0.951	µg/L	=	0.2	0.4	1.07	PR 88.9		None	PR 49-144
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Malathion	4.72	µg/L	=	0.05	0.1	5	PR 94.4		None	PR 47-125
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Malathion	4.73	µg/L	=	0.05	0.1	5	PR 94.6	RPD 0.21	None	PR 47-125 RPD <25
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Methamidophos	0.213	µg/L	=	0.01	0.2	0.5	PR 42.6	RPD 7.2	Surrogate recovery is outside of control limits	PR 40-135 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Methamidophos	0.229	µg/L	=	0.01	0.2	0.5	PR 45.8		None	PR 40-135
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Methidathion	4.89	µg/L	=	0.04	0.1	5	PR 97.8		None	PR 50-150
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Methidathion	5.06	µg/L	=	0.04	0.1	5	PR 101	RPD 3.4	None	PR 50-150 RPD <25
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Methiocarb	0.732	µg/L	=	0.2	0.4	1.07	PR 68.4	RPD 7.2	None	PR 35-142 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Methiocarb	0.681	µg/L	=	0.2	0.4	1.07	PR 63.6		None	PR 35-142
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Methomyl	1.34	µg/L	=	0.05	0.07	1.07	PR 125	RPD 0.74	None	PR 23-152 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Methomyl	1.35	µg/L	=	0.05	0.07	1.07	PR 126		None	PR 23-152
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Methoxychlor	0.249	µg/L	=	0.008	0.01	0.3	PR 83.0		None	PR 30-163
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Methoxychlor	0.251	µg/L	=	0.008	0.01	0.3	PR 83.7	RPD 0.80	None	PR 30-163 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Molinate	4.14	µg/L	=	0.13	0.5	5	PR 82.8		None	PR 50-150
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Molinate	4.49	µg/L	=	0.13	0.5	5	PR 89.8	RPD 8.1	None	PR 50-150 RPD <25
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Oxamyl	0.657	µg/L	=	0.2	0.4	1.07	PR 61.4	RPD 1.1	None	PR 10-117 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Oxamyl	0.65	µg/L	=	0.2	0.4	1.07	PR 60.7		None	PR 10-117
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 549.2M	Paraquat dichloride	14.4	µg/L	=	0.21	0.4	12	PR 120		Matrix spike recovery not within control limits	PR 43-102

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Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 549.2M	Paraquat dichloride	12.7	µg/L	=	0.21	0.4	12	PR 106	RPD 12.5	Matrix spike recovery not within control limits	PR 43-102 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Parathion, Methyl	4.55	µg/L	=	0.075	0.1	5	PR 91.0		None	PR 55-164
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Parathion, Methyl	4.58	µg/L	=	0.075	0.1	5	PR 91.6	RPD 0.66	None	PR 55-164 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Permethrin, total	0.121	µg/L	=	0.009	0.02	0.2	PR 60.5		None	PR 24-166
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Permethrin, total	0.119	µg/L	=	0.009	0.02	0.2	PR 59.5	RPD 1.7	None	PR 24-166 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Phorate	4.45	µg/L	=	0.072	0.1	5	PR 89.0		None	PR 44-117
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Phorate	4.68	µg/L	=	0.072	0.1	5	PR 93.6	RPD 5.0	None	PR 44-117 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Phosmet	4.48	µg/L	=	0.06	0.2	5	PR 89.6		None	PR 50-150
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Phosmet	4.56	µg/L	=	0.06	0.2	5	PR 91.2	RPD 1.8	None	PR 50-150 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 619	Simazine	4.99	µg/L	=	0.08	0.5	5	PR 99.8		None	PR 21-179
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 619	Simazine	4.33	µg/L	=	0.08	0.5	5	PR 86.6	RPD 14.2	None	PR 21-179 RPD <25
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	74.3	%	=	NA	NA	100			None	PR 15-98
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	74.7	%	=	NA	NA	100			None	PR 15-98
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Thiobencarb	4.26	µg/L	=	0.06	0.5	5	PR 85.2		None	PR 50-150
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Thiobencarb	4.51	µg/L	=	0.06	0.5	5	PR 90.2	RPD 5.7	None	PR 50-150 RPD <25
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	91.7	%	=	NA	NA	100			None	PR 36-140
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8321A	Tributylphosphate (Surrogate)	72.9	%	=	NA	NA	100			None	PR 36-140
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 619	Tributylphosphate (Surrogate)	91.6	%	=	NA	NA	100			None	PR 62-145
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	91.6	%	=	NA	NA	100			None	PR 60-150
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	83.4	%	=	NA	NA	100			None	PR 60-150
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	62.2	%	=	NA	NA	100			None	PR 60-150
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 619	Tributylphosphate (Surrogate)	92.4	%	=	NA	NA	100			None	PR 62-145
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Tributylphosphate (Surrogate)	92.4	%	=	NA	NA	100			None	PR 60-150

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Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	94.2	%	=	NA	NA	100			None	PR 56-129
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	70.2	%	=	NA	NA	100			None	PR 56-129
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	94.2	%	=	NA	NA	100			None	PR 54-144
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	53.2	%	=	NA	NA	100			Surrogate recovery is outside of control limits	PR 56-129
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 619	Triphenyl phosphate (Surrogate)	98.2	%	=	NA	NA	100			None	PR 54-144
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 8141A	Triphenyl phosphate (Surrogate)	98.2	%	=	NA	NA	100			None	PR 56-129
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Aldicarb	0.746	µg/L	=	0.2	0.4	1.07	PR 69.7		None	PR 31-133
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Aldicarb	0.807	µg/L	=	0.2	0.4	1.07	PR 75.4	RPD 7.9	None	PR 31-133 RPD <25
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 619	Atrazine	4.49	µg/L	=	0.07	0.5	10	PR 44.9	RPD 0.45	None	PR 39-156 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 619	Atrazine	4.47	µg/L	=	0.07	0.5	10	PR 44.7		None	PR 39-156
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Azinphos methyl	0.804	µg/L	=	0.02	0.1	2	PR 40.2	RPD 12.7	None	PR 36-189 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Azinphos methyl	0.913	µg/L	=	0.02	0.1	2	PR 45.6		None	PR 36-189
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Bifenthrin	0.245	µg/L	=	0.006	0.02	0.4	PR 61.2		None	PR 52-117
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Bifenthrin	0.257	µg/L	=	0.006	0.02	0.4	PR 64.3	RPD 4.8	None	PR 52-117 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Carbaryl	1	µg/L	=	0.05	0.07	1.07	PR 93.5		None	PR 44-133
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Carbaryl	1.05	µg/L	=	0.05	0.07	1.07	PR 98.1	RPD 4.9	None	PR 44-133 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Carbofuran	0.949	µg/L	=	0.05	0.07	1.07	PR 88.7		None	PR 36-165
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Carbofuran	0.99	µg/L	=	0.05	0.07	1.07	PR 92.5	RPD 4.2	None	PR 36-165 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Chlorpyrifos	0.677	µg/L	=	0.003	0.02	1	PR 67.7		None	PR 61-125
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Chlorpyrifos	0.805	µg/L	=	0.003	0.02	1	PR 80.5	RPD 17.3	None	PR 61-125 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 619	Cyanazine	9.94	µg/L	=	0.09	0.5	10	PR 99.4		None	PR 22-172
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 619	Cyanazine	12.2	µg/L	=	0.09	0.5	10	PR 122	RPD 20.4	None	PR 22-172 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Cyfluthrin, total	0.418	µg/L	=	0.003	0.03	0.4	PR 104		None	PR 53-125

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Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Cyfluthrin, total	0.355	µg/L	=	0.003	0.03	0.4	PR 88.7	RPD 16.3	None	PR 53-125 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Cyhalothrin, lambda, total	0.308	µg/L	=	0.001	0.02	0.4	PR 77.0		None	PR 62-104
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Cyhalothrin, lambda, total	0.318	µg/L	=	0.001	0.02	0.4	PR 79.5	RPD 3.2	None	PR 62-104 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Cypermethrin, total	1.61	µg/L	=	0.004	0.05	2	PR 80.5		None	PR 55-107
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Cypermethrin, total	1.63	µg/L	=	0.004	0.05	2	PR 81.5	RPD 1.2	None	PR 55-107 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	DDD (p,p')	0.556	µg/L	=	0.003	0.01	0.6	PR 92.7		None	PR 38-135
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	DDD (p,p')	0.52	µg/L	=	0.003	0.01	0.6	PR 86.7	RPD 6.7	None	PR 38-135 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	DDE (p,p')	0.604	µg/L	=	0.004	0.01	0.6	PR 101		None	PR 21-134
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	DDE (p,p')	0.504	µg/L	=	0.004	0.01	0.6	PR 84.0	RPD 18.1	None	PR 21-134 RPD <25
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	DDT (p,p')	0.547	µg/L	=	0.007	0.01	0.6	PR 91.2	RPD 19.2	None	PR 18-145 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	DDT (p,p')	0.663	µg/L	=	0.007	0.01	0.6	PR 111		None	PR 18-145
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	96.2	%	=	NA	NA	100			None	PR 16-146
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	84.5	%	=	NA	NA	100			None	PR 16-146
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Diazinon	0.763	µg/L	=	0.004	0.02	1	PR 76.3		None	PR 57-130
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Diazinon	0.636	µg/L	=	0.004	0.02	1	PR 63.6	RPD 18.2	None	PR 57-130 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Dicofol	0.262	µg/L	=	0.01	0.1	0.4	PR 65.5		None	PR 40-135
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Dicofol	0.269	µg/L	=	0.01	0.1	0.4	PR 67.3	RPD 2.6	None	PR 40-135 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Dieldrin	0.68	µg/L	=	0.005	0.01	0.6	PR 113		None	PR 48-121
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Dieldrin	0.582	µg/L	=	0.005	0.01	0.6	PR 97.0	RPD 15.5	None	PR 48-121 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Dimethoate	0.729	µg/L	=	0.08	0.1	1	PR 72.9		None	PR 68-202
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Dimethoate	0.913	µg/L	=	0.08	0.1	1	PR 91.3	RPD 22.4	None	PR 68-202 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Disulfoton	0.707	µg/L	=	0.02	0.1	1	PR 70.7		None	PR 47-117
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Disulfoton	0.748	µg/L	=	0.02	0.1	1	PR 74.8	RPD 5.6	None	PR 47-117 RPD <25

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Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Diuron	1.03	µg/L	=	0.2	0.4	1.07	PR 77.6		None	PR 52-136
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Diuron	0.972	µg/L	=	0.2	0.4	1.07	PR 72.1	RPD 5.8	None	PR 52-136 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Endrin	0.585	µg/L	=	0.007	0.01	0.6	PR 97.5		None	PR 24-143
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Endrin	0.493	µg/L	=	0.007	0.01	0.6	PR 82.2	RPD 17.1	None	PR 24-143 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.302	µg/L	=	0.002	0.02	0.4	PR 75.5		None	PR 52-117
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.315	µg/L	=	0.002	0.02	0.4	PR 78.8	RPD 4.2	None	PR 52-117 RPD <25
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 547M	Glyphosate	49.19	µg/L	=	4	5	55.93	PR 86.5	RPD 2.5	None	PR 72-131 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 547M	Glyphosate	50.43	µg/L	=	4	5	55.93	PR 89		None	PR 72-131
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Isoxaben (Surrogate)	89.5	%	=	NA	NA	100			None	PR 47-134
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Isoxaben (Surrogate)	85	%	=	NA	NA	100			None	PR 47-134
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Linuron	1.38	µg/L	=	0.2	0.4	1.07	PR 129		None	PR 49-144
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Linuron	1.25	µg/L	=	0.2	0.4	1.07	PR 117	RPD 9.9	None	PR 49-144 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Malathion	0.841	µg/L	=	0.05	0.1	1	PR 84.1		None	PR 47-125
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Malathion	0.833	µg/L	=	0.05	0.1	1	PR 83.3	RPD 0.96	None	PR 47-125 RPD <25
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Methamidophos	0.267	µg/L	=	0.01	0.2	0.5	PR 53.4	RPD 8.3	Surrogate recovery is outside of control limits	PR 40-135 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Methamidophos	0.29	µg/L	=	0.01	0.2	0.5	PR 58.0		Surrogate recovery is outside of control limits	PR 40-135
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Methidathion	1.82	µg/L	=	0.04	0.1	2	PR 91.0	RPD 1.1	None	PR 50-150 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Methidathion	1.8	µg/L	=	0.04	0.1	2	PR 90.0		None	PR 50-150
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Methiocarb	0.783	µg/L	=	0.2	0.4	1.07	PR 73.2		None	PR 35-142
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Methiocarb	0.704	µg/L	=	0.2	0.4	1.07	PR 65.8	RPD 10.6	None	PR 35-142 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Methomyl	1.23	µg/L	=	0.05	0.07	1.07	PR 115		None	PR 23-152
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Methomyl	1.18	µg/L	=	0.05	0.07	1.07	PR 110	RPD 4.1	None	PR 23-152 RPD <25
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Methoxychlor	0.519	µg/L	=	0.008	0.01	0.6	PR 86.5	RPD 13.6	None	PR 30-163 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Methoxychlor	0.595	µg/L	=	0.008	0.01	0.6	PR 99.2		None	PR 30-163

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Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Molinate	3.39	µg/L	=	0.13	0.5	5	PR 67.8		None	PR 50-150
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Molinate	3.28	µg/L	=	0.13	0.5	5	PR 65.6	RPD 3.3	None	PR 50-150 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Oxamyl	0.589	µg/L	=	0.2	0.4	1.07	PR 55.0		None	PR 10-117
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Oxamyl	0.589	µg/L	=	0.2	0.4	1.07	PR 55.0	RPD 0.0	None	PR 10-117 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 549.2M	Paraquat dichloride	35.5	µg/L	=	0.21	0.4	16	PR 222		A holding time violation has occurred and matrix spike recovery not within limits	PR 43-102
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 549.2M	Paraquat dichloride	30.4	µg/L	=	0.21	0.4	16	PR 190	RPD 15.5	A holding time violation has occurred and matrix spike recovery not within limits	PR 43-102 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Parathion, Methyl	0.565	µg/L	=	0.075	0.1	1	PR 56.5		None	PR 55-164
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Parathion, Methyl	0.644	µg/L	=	0.075	0.1	1	PR 64.4	RPD 13.1	None	PR 55-164 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Permethrin, total	0.254	µg/L	=	0.009	0.02	0.4	PR 63.5		None	PR 24-166
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Permethrin, total	0.263	µg/L	=	0.009	0.02	0.4	PR 65.8	RPD 3.5	None	PR 24-166 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Phorate	0.7	µg/L	=	0.072	0.1	1	PR 70.0		None	PR 44-117
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Phorate	0.588	µg/L	=	0.072	0.1	1	PR 58.8	RPD 17.4	None	PR 44-117 RPD <25
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Phosmet	1.05	µg/L	=	0.06	0.2	1	PR 105	RPD 1.9	None	PR 50-150 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Phosmet	1.03	µg/L	=	0.06	0.2	1	PR 103		None	PR 50-150
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 619	Simazine	5.51	µg/L	=	0.08	0.5	10.74	PR 47.7		None	PR 21-179
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 619	Simazine	5.41	µg/L	=	0.08	0.5	10.74	PR 46.7	RPD 1.8	None	PR 21-179 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	43	%	=	NA	NA	100			None	PR 15-98
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	37	%	=	NA	NA	100			None	PR 15-98
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Thiobencarb	3.91	µg/L	=	0.06	0.5	5	PR 78.2		None	PR 50-150
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Thiobencarb	3.91	µg/L	=	0.06	0.5	5	PR 78.2	RPD 0.0	None	PR 50-150 RPD <25
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 619	Tributylphosphate (Surrogate)	90.5	%	=	NA	NA	100			None	PR 62-145

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Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	79	%	=	NA	NA	100			None	PR 60-150
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8321A	Tributylphosphate (Surrogate)	72.3	%	=	NA	NA	100			None	PR 36-140
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8321A	Tributylphosphate (Surrogate)	89.5	%	=	NA	NA	100			None	PR 36-140
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	64.5	%	=	NA	NA	100			None	PR 60-150
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 619	Tributylphosphate (Surrogate)	86.5	%	=	NA	NA	100			None	PR 62-145
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	34.7	%	=	NA	NA	100			Surrogate recovery is outside of control limits	PR 60-150
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Tributylphosphate (Surrogate)	52.3	%	=	NA	NA	100			Surrogate recovery is outside of control limits	PR 60-150
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	69.5	%	=	NA	NA	100			None	PR 56-129
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 619	Triphenyl phosphate (Surrogate)	80	%	=	NA	NA	100			None	PR 54-144
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 619	Triphenyl phosphate (Surrogate)	79.5	%	=	NA	NA	100			None	PR 54-144
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	62	%	=	NA	NA	100			None	PR 56-129
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	62.4	%	=	NA	NA	100			None	PR 56-129
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 8141A	Triphenyl phosphate (Surrogate)	97.2	%	=	NA	NA	100			None	PR 56-129
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 547M	Glyphosate	52.66	µg/L	=	4	5	50	PR 105		None	PR 72-131
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 547M	Glyphosate	51.75	µg/L	=	4	5	50	PR 103	RPD 1.7	None	PR 72-131 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Aldicarb	0.678	µg/L	=	0.2	0.4	1.07	PR 63.4		None	PR 31-133
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Aldicarb	0.707	µg/L	=	0.2	0.4	1.07	PR 66.1	RPD 4.2	None	PR 31-133 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 619	Atrazine	7.19	µg/L	=	0.07	0.5	5	PR 144		None	PR 39-156
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 619	Atrazine	6.84	µg/L	=	0.07	0.5	5	PR 137	RPD 5.0	None	PR 39-156 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Azinphos methyl	2.39	µg/L	=	0.02	0.1	2	PR 120	RPD 15.8	None	PR 36-189 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Azinphos methyl	2.8	µg/L	=	0.02	0.1	2	PR 140		None	PR 36-189
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Bifenthrin	0.118	µg/L	=	0.006	0.02	0.2	PR 59.0	RPD 2.5	None	PR 52-117 RPD <25

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Bifenthrin	0.121	µg/L	=	0.006	0.02	0.2	PR 60.5		None	PR 52-117
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Carbaryl	1.01	µg/L	=	0.05	0.07	1.07	PR 94.4		None	PR 44-133
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Carbaryl	1.04	µg/L	=	0.05	0.07	1.07	PR 97.2	RPD 2.9	None	PR 44-133 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Carbofuran	0.841	µg/L	=	0.05	0.07	1.07	PR 78.6		None	PR 36-165
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Carbofuran	0.883	µg/L	=	0.05	0.07	1.07	PR 82.5	RPD 4.9	None	PR 36-165 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Chlorpyrifos	0.978	µg/L	=	0.003	0.02	1	PR 97.8		None	PR 61-125
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Chlorpyrifos	0.937	µg/L	=	0.003	0.02	1	PR 93.7	RPD 4.3	None	PR 61-125 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 619	Cyanazine	10.3	µg/L	=	0.09	0.5	5	PR 206		Matrix spike recovery not within control limits	PR 22-172
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 619	Cyanazine	9.59	µg/L	=	0.09	0.5	5	PR 192	RPD 7.1	Matrix spike recovery not within control limits	PR 22-172 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Cyfluthrin, total	0.133	µg/L	=	0.003	0.03	0.2	PR 66.5	RPD 8.6	None	PR 53-125 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Cyfluthrin, total	0.145	µg/L	=	0.003	0.03	0.2	PR 72.5		None	PR 53-125
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Cyhalothrin, lambda, total	0.138	µg/L	=	0.001	0.02	0.2	PR 69.0	RPD 4.9	None	PR 62-104 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Cyhalothrin, lambda, total	0.145	µg/L	=	0.001	0.02	0.2	PR 72.5		None	PR 62-104
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Cypermethrin, total	0.658	µg/L	=	0.004	0.05	1	PR 65.8	RPD 6.2	None	PR 55-107 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Cypermethrin, total	0.7	µg/L	=	0.004	0.05	1	PR 70.0		None	PR 55-107
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	DDD (p,p')	0.243	µg/L	=	0.003	0.01	0.3	PR 81.0		RPD exceeds laboratory control limit	PR 38-135
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	DDD (p,p')	0.183	µg/L	=	0.003	0.01	0.3	PR 61.0	RPD 28.2	RPD exceeds laboratory control limit	PR 38-135 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	DDE (p,p')	0.263	µg/L	=	0.004	0.01	0.3	PR 87.7		RPD exceeds laboratory control limit	PR 21-134
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	DDE (p,p')	0.196	µg/L	=	0.004	0.01	0.3	PR 65.3	RPD 29.2	RPD exceeds laboratory control limit	PR 21-134 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	DDT (p,p')	0.219	µg/L	=	0.007	0.01	0.3	PR 73.0	RPD 33.1	RPD exceeds laboratory control limit	PR 18-145 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	DDT (p,p')	0.306	µg/L	=	0.007	0.01	0.3	PR 102		RPD exceeds laboratory control limit	PR 18-145
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	74	%	=	NA	NA	100			None	PR 16-146

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Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	53.3	%	=	NA	NA	100			None	PR 16-146
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Diazinon	0.985	µg/L	=	0.004	0.02	1	PR 98.5		None	PR 57-130
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Diazinon	0.874	µg/L	=	0.004	0.02	1	PR 87.4	RPD 11.9	None	PR 57-130 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Dicofol	0.136	µg/L	=	0.01	0.1	0.2	PR 68.0		None	PR 40-135
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Dicofol	0.132	µg/L	=	0.01	0.1	0.2	PR 66.0	RPD 3.0	None	PR 40-135 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Dieldrin	0.206	µg/L	=	0.005	0.01	0.3	PR 68.7	RPD 32.5	RPD exceeds laboratory control limit	PR 48-121 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Dieldrin	0.286	µg/L	=	0.005	0.01	0.3	PR 95.3		RPD exceeds laboratory control limit	PR 48-121
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Dimethoate	1.31	µg/L	=	0.08	0.1	1	PR 131	RPD 0.76	None	PR 68-202 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Dimethoate	1.32	µg/L	=	0.08	0.1	1	PR 132		None	PR 68-202
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Disulfoton	0.841	µg/L	=	0.02	0.1	1	PR 84.1	RPD 0.60	None	PR 47-117 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Disulfoton	0.836	µg/L	=	0.02	0.1	1	PR 83.6		None	PR 47-117
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Diuron	0.724	µg/L	=	0.2	0.4	1.07	PR 67.7	RPD 0.28	None	PR 52-136 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Diuron	0.726	µg/L	=	0.2	0.4	1.07	PR 67.9		None	PR 52-136
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Endrin	0.212	µg/L	=	0.007	0.01	0.3	PR 70.7	RPD 29.7	RPD exceeds laboratory control limit	PR 24-143 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Endrin	0.286	µg/L	=	0.007	0.01	0.3	PR 95.3		RPD exceeds laboratory control limit	PR 24-143
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.139	µg/L	=	0.002	0.02	0.2	PR 69.5		None	PR 52-117
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.133	µg/L	=	0.002	0.02	0.2	PR 66.5	RPD 4.4	None	PR 52-117 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 547M	Glyphosate	40.39	µg/L	=	4	5	50	PR 80.8	RPD 1.5	None	PR 72-131 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 547M	Glyphosate	39.78	µg/L	=	4	5	50	PR 79.6		None	PR 72-131
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Isoxaben (Surrogate)	80.5	%	=	NA	NA	100			None	PR 47-134
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Isoxaben (Surrogate)	78.2	%	=	NA	NA	100			None	PR 47-134
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Linuron	0.684	µg/L	=	0.2	0.4	1.07	PR 63.9		None	PR 49-144

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Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Linuron	0.756	µg/L	=	0.2	0.4	1.07	PR 70.7	RPD 10.0	None	PR 49-144 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Malathion	0.942	µg/L	=	0.05	0.1	1	PR 94.2		None	PR 47-125
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Malathion	0.979	µg/L	=	0.05	0.1	1	PR 97.9	RPD 3.9	None	PR 47-125 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Methamidophos	0.694	µg/L	=	0.01	0.2	0.5	PR 139	RPD 13.2		PR 40-135 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Methamidophos	0.608	µg/L	=	0.01	0.2	0.5	PR 122		Surrogate recovery is outside of control limits	PR 40-135
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Methidathion	3.26	µg/L	=	0.04	0.1	2	PR 81.5	RPD 9.6	None	PR 50-150 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Methidathion	3.59	µg/L	=	0.04	0.1	2	PR 89.8		None	PR 50-150
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Methiocarb	0.834	µg/L	=	0.2	0.4	1.07	PR 77.9	RPD 0.24	None	PR 35-142 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Methiocarb	0.832	µg/L	=	0.2	0.4	1.07	PR 77.8		None	PR 35-142
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Methomyl	0.627	µg/L	=	0.05	0.07	1.07	PR 58.6		None	PR 23-152
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Methomyl	0.791	µg/L	=	0.05	0.07	1.07	PR 73.9	RPD 23.1	None	PR 23-152 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Methoxychlor	0.29	µg/L	=	0.008	0.01	0.3	PR 96.7		RPD exceeds laboratory control limit	PR 30-163
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Methoxychlor	0.218	µg/L	=	0.008	0.01	0.3	PR 72.7	RPD 28.3	RPD exceeds laboratory control limit	PR 30-163 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Molinate	6.15	µg/L	=	0.13	0.5	5	PR 123		None	PR 50-150
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Molinate	5.71	µg/L	=	0.13	0.5	5	PR 114	RPD 7.4	None	PR 50-150 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Oxamyl	0.742	µg/L	=	0.2	0.4	1.07	PR 69.3	RPD 24.2	None	PR 10-117 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Oxamyl	0.582	µg/L	=	0.2	0.4	1.07	PR 54.4		None	PR 10-117
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 549.2M	Paraquat dichloride	1.06	µg/L	=	0.21	0.4	40	PR 2.7		Matrix spike recovery not within control limits	PR 43-102
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 549.2M	Paraquat dichloride	1.13	µg/L	=	0.21	0.4	40	PR 2.8	RPD 6.4	Matrix spike recovery not within control limits	PR 43-102 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Parathion, Methyl	1.07	µg/L	=	0.075	0.1	1	PR 107	RPD 12.3	None	PR 55-164 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Parathion, Methyl	1.21	µg/L	=	0.075	0.1	1	PR 121		None	PR 55-164
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Permethrin, total	0.138	µg/L	=	0.009	0.02	0.2	PR 69.0		None	PR 24-166

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Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Permethrin, total	0.132	µg/L	=	0.009	0.02	0.2	PR 66.0	RPD 4.4	None	PR 24-166 RPD <25
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Phorate	0.863	µg/L	=	0.072	0.1	1	PR 86.3	RPD 9.3	None	PR 44-117 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Phorate	0.947	µg/L	=	0.072	0.1	1	PR 94.7		None	PR 44-117
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Phosmet	1.93	µg/L	=	0.06	0.2	1	PR 96.5	RPD 26.9	RPD exceeds laboratory control limit	PR 50-150 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Phosmet	2.53	µg/L	=	0.06	0.2	1	PR 126		RPD exceeds laboratory control limit	PR 50-150
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 619	Simazine	3.12	µg/L	=	0.08	0.5	5	PR 62.4		None	PR 21-179
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 619	Simazine	2.95	µg/L	=	0.08	0.5	5	PR 59.0	RPD 5.6	None	PR 21-179 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	62	%	=	NA	NA	100			None	PR 15-98
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	43.3	%	=	NA	NA	100			None	PR 15-98
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Thiobencarb	6.85	µg/L	=	0.06	0.5	5	PR 137	RPD 5.3	None	PR 50-150 RPD <25
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Thiobencarb	7.22	µg/L	=	0.06	0.5	5	PR 144		None	PR 50-150
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Tributylphosphate (Surrogate)	93.5	%	=	NA	NA	100			None	PR 60-150
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 619	Tributylphosphate (Surrogate)	93.5	%	=	NA	NA	100			None	PR 62-145
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Tributylphosphate (Surrogate)	131	%	=	NA	NA	100			None	PR 60-150
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8321A	Tributylphosphate (Surrogate)	85	%	=	NA	NA	100			None	PR 36-140
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100			None	PR 60-150
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8321A	Tributylphosphate (Surrogate)	80.5	%	=	NA	NA	100			None	PR 36-140
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 619	Tributylphosphate (Surrogate)	93	%	=	NA	NA	100			None	PR 62-145
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Tributylphosphate (Surrogate)	93	%	=	NA	NA	100			None	PR 60-150
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Triphenyl phosphate (Surrogate)	138	%	=	NA	NA	100			Surrogate recovery is outside of control limits	PR 56-129
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Triphenyl phosphate (Surrogate)	171	%	=	NA	NA	100			Surrogate recovery is outside of control limits	PR 56-129
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 8141A	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100			None	PR 56-129

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Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	09:30	EPA 619	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100			None	PR 54-144
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 8141A	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100			None	PR 56-129
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	09:30	EPA 619	Triphenyl phosphate (Surrogate)	113	%	=	NA	NA	100			None	PR 54-144
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Aldicarb	1.09	µg/L	=	0.2	0.4	1.07	PR 102	RPD 2.8	None	PR 31-133 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Aldicarb	1.06	µg/L	=	0.2	0.4	1.07	PR 99.1		None	PR 31-133
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 619	Atrazine	4.98	µg/L	=	0.07	0.5	5	PR 99.6	RPD 18.9	None	PR 39-156 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 619	Atrazine	4.12	µg/L	=	0.07	0.5	5	PR 82.4		None	PR 39-156
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Azinphos methyl	5.7	µg/L	=	0.02	0.1	5	PR 114		None	PR 36-189
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Azinphos methyl	6	µg/L	=	0.02	0.1	5	PR 120	RPD 5.1	None	PR 36-189 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Bifenthrin	0.133	µg/L	=	0.006	0.02	0.2	PR 66.5	RPD 3.0	None	PR 52-117 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Bifenthrin	0.137	µg/L	=	0.006	0.02	0.2	PR 68.5		None	PR 52-117
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Carbaryl	1.14	µg/L	=	0.05	0.07	1.07	PR 107		None	PR 44-133
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Carbaryl	0.91	µg/L	=	0.05	0.07	1.07	PR 85.0	RPD 22.4	None	PR 44-133 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Carbofuran	0.962	µg/L	=	0.05	0.07	1.07	PR 89.9		None	PR 36-165
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Carbofuran	0.906	µg/L	=	0.05	0.07	1.07	PR 84.7	RPD 6.0	None	PR 36-165 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Chlorpyrifos	9.38	µg/L	=	0.003	0.02	10	PR 93.8		None	PR 61-125
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Chlorpyrifos	9.9	µg/L	=	0.003	0.02	10	PR 99.0	RPD 5.4	None	PR 61-125 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 619	Cyanazine	6.45	µg/L	=	0.09	0.5	5	PR 129	RPD 5.6	None	PR 22-172 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 619	Cyanazine	6.1	µg/L	=	0.09	0.5	5	PR 122		None	PR 22-172
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Cyfluthrin, total	0.161	µg/L	=	0.003	0.03	0.2	PR 80.5	RPD 3.1	None	PR 53-125 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Cyfluthrin, total	0.166	µg/L	=	0.003	0.03	0.2	PR 83.0		None	PR 53-125
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Cyhalothrin, lambda, total	0.171	µg/L	=	0.001	0.02	0.2	PR 85.5		None	PR 62-104

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Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Cyhalothrin, lambda, total	0.161	µg/L	=	0.001	0.02	0.2	PR 80.5	RPD 6.0	None	PR 62-104 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Cypermethrin, total	0.819	µg/L	=	0.004	0.05	1	PR 81.9	RPD 2.3	None	PR 55-107 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Cypermethrin, total	0.838	µg/L	=	0.004	0.05	1	PR 83.8		None	PR 55-107
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	DDD (p,p')	0.263	µg/L	=	0.003	0.01	0.3	PR 87.7	RPD 4.5	None	PR 38-135 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	DDD (p,p')	0.275	µg/L	=	0.003	0.01	0.3	PR 91.7		None	PR 38-135
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	DDE (p,p')	0.361	µg/L	=	0.004	0.01	0.3	PR 120	RPD 3.0	None	PR 21-134 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	DDE (p,p')	0.372	µg/L	=	0.004	0.01	0.3	PR 124		None	PR 21-134
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	DDT (p,p')	0.37	µg/L	=	0.007	0.01	0.3	PR 123		None	PR 18-145
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	DDT (p,p')	0.365	µg/L	=	0.007	0.01	0.3	PR 122	RPD 1.4	None	PR 18-145 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	76	%	=	NA	NA	100			None	PR 16-146
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Decachlorobiphenyl (Surrogate)	84	%	=	NA	NA	100			None	PR 16-146
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Diazinon	4.2	µg/L	=	0.004	0.02	5	PR 84.0		None	PR 57-130
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Diazinon	4.67	µg/L	=	0.004	0.02	5	PR 93.4	RPD 10.6	None	PR 57-130 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Dicofol	0.16	µg/L	=	0.01	0.1	0.2	PR 80.0		None	PR 40-135
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Dicofol	0.15	µg/L	=	0.01	0.1	0.2	PR 75.0	RPD 6.5	None	PR 40-135 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Dieldrin	0.342	µg/L	=	0.005	0.01	0.3	PR 114	RPD 5.4	None	PR 48-121 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Dieldrin	0.361	µg/L	=	0.005	0.01	0.3	PR 120		None	PR 48-121
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Dimethoate	4.08	µg/L	=	0.08	0.1	5	PR 81.6		None	PR 68-202
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Dimethoate	4.55	µg/L	=	0.08	0.1	5	PR 91.0	RPD 10.9	None	PR 68-202 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Disulfoton	4.01	µg/L	=	0.02	0.1	5	PR 80.2		None	PR 47-117
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Disulfoton	4.67	µg/L	=	0.02	0.1	5	PR 93.4	RPD 15.2	None	PR 47-117 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Diuron	0.928	µg/L	=	0.2	0.4	1.07	PR 86.7		None	PR 52-136

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Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Diuron	0.862	µg/L	=	0.2	0.4	1.07	PR 80.6	RPD 7.4	None	PR 52-136 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Endrin	0.374	µg/L	=	0.007	0.01	0.4	PR 93.5	RPD 2.1	None	PR 24-143 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Endrin	0.382	µg/L	=	0.007	0.01	0.4	PR 95.5		None	PR 24-143
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.157	µg/L	=	0.002	0.02	0.2	PR 78.5		None	PR 52-117
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.157	µg/L	=	0.002	0.02	0.2	PR 78.5	RPD 0.0	None	PR 52-117 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 547M	Glyphosate	52.51	µg/L	=	4	5	50	PR 105	RPD 0.98	None	PR 72-131 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 547M	Glyphosate	52	µg/L	=	4	5	50	PR 104		None	PR 72-131
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Linuron	1.02	µg/L	=	0.2	0.4	1.07	PR 95.3		None	PR 49-144
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Linuron	0.943	µg/L	=	0.2	0.4	1.07	PR 88.1	RPD 7.8	None	PR 49-144 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Malathion	4.23	µg/L	=	0.05	0.1	5	PR 84.6		None	PR 47-125
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Malathion	4.84	µg/L	=	0.05	0.1	5	PR 96.8	RPD 13.5	None	PR 47-125 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Methamidophos	0.245	µg/L	=	0.01	0.2	0.5	PR 49.0		None	PR 40-135
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Methamidophos	0.241	µg/L	=	0.01	0.2	0.5	PR 48.2	RPD 1.6	None	PR 40-135 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Methidathion	5.3	µg/L	=	0.04	0.1	5	PR 106		None	PR 50-150
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Methidathion	5.67	µg/L	=	0.04	0.1	5	PR 113	RPD 6.7	None	PR 50-150 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Methiocarb	0.861	µg/L	=	0.2	0.4	1.07	PR 80.5		None	PR 35-142
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Methiocarb	0.809	µg/L	=	0.2	0.4	1.07	PR 75.6	RPD 6.2	None	PR 35-142 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Methomyl	1.44	µg/L	=	0.05	0.07	1.07	PR 135		None	PR 23-152
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Methomyl	1.38	µg/L	=	0.05	0.07	1.07	PR 129	RPD 4.3	None	PR 23-152 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Methoxychlor	0.332	µg/L	=	0.008	0.01	0.3	PR 111	RPD 0.90	None	PR 30-163 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Methoxychlor	0.335	µg/L	=	0.008	0.01	0.3	PR 112		None	PR 30-163
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Molinate	4.64	µg/L	=	0.13	0.5	5	PR 92.8		None	PR 50-150

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Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Molinate	4.66	µg/L	=	0.13	0.5	5	PR 93.2	RPD 0.43	None	PR 50-150 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Oxamyl	0.495	µg/L	=	0.2	0.4	1.07	PR 46.3		None	PR 10-117
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Oxamyl	0.501	µg/L	=	0.2	0.4	1.07	PR 46.8	RPD 1.2	None	PR 10-117 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 549.2M	Paraquat dichloride	12.8	µg/L	=	0.21	0.4	12	PR 107		Matrix spike recovery not within control limits	PR 43-102
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 549.2M	Paraquat dichloride	11	µg/L	=	0.21	0.4	12	PR 91.7	RPD 15.1	None	PR 43-102 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Parathion, Methyl	4.38	µg/L	=	0.075	0.1	5	PR 87.6		None	PR 55-164
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Parathion, Methyl	4.59	µg/L	=	0.075	0.1	5	PR 91.8	RPD 4.7	None	PR 55-164 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Permethrin, total	0.124	µg/L	=	0.009	0.02	0.2	PR 62.0		None	PR 24-166
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Permethrin, total	0.125	µg/L	=	0.009	0.02	0.2	PR 62.5	RPD 0.80	None	PR 24-166 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Phorate	4.33	µg/L	=	0.072	0.1	5	PR 86.6		None	PR 44-117
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Phorate	4.54	µg/L	=	0.072	0.1	5	PR 90.8	RPD 4.7	None	PR 44-117 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Phosmet	4.82	µg/L	=	0.06	0.2	5	PR 96.4		None	PR 50-150
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Phosmet	5.12	µg/L	=	0.06	0.2	5	PR 102	RPD 6.0	None	PR 50-150 RPD <25
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 619	Simazine	4.57	µg/L	=	0.08	0.5	5	PR 91.4	RPD 18.9	None	PR 21-179 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 619	Simazine	3.78	µg/L	=	0.08	0.5	5	PR 75.6		None	PR 21-179
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	85.7	%	=	NA	NA	100			None	PR 15-98
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	84.3	%	=	NA	NA	100			None	PR 15-98
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Thiobencarb	8.48	µg/L	=	0.06	0.5	10	PR 84.8		None	PR 50-150
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Thiobencarb	9.39	µg/L	=	0.06	0.5	10	PR 93.9	RPD 10.2	None	PR 50-150 RPD <25
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	86.4	%	=	NA	NA	100			None	PR 60-150
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	92	%	=	NA	NA	100			None	PR 60-150
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	93.2	%	=	NA	NA	100			None	PR 60-150

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 619	Tributylphosphate (Surrogate)	93.6	%	=	NA	NA	100			None	PR 62-145
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Tributylphosphate (Surrogate)	93.6	%	=	NA	NA	100			None	PR 60-150
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 619	Tributylphosphate (Surrogate)	86.4	%	=	NA	NA	100			None	PR 62-145
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8321A	Tributylphosphate (Surrogate)	89.5	%	=	NA	NA	100			None	PR 36-140
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8321A	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100			None	PR 36-140
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100			None	PR 56-129
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 619	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100			None	PR 54-144
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	81.4	%	=	NA	NA	100			None	PR 56-129
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	81.8	%	=	NA	NA	100			None	PR 56-129
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 8141A	Triphenyl phosphate (Surrogate)	110	%	=	NA	NA	100			None	PR 56-129
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 619	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100			None	PR 54-144
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Aldicarb	0.909	µg/L	=	0.2	0.4	1.07	PR 85.0		None	PR 31-133
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Aldicarb	0.876	µg/L	=	0.2	0.4	1.07	PR 81.9	RPD 3.7	None	PR 31-133 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 619	Atrazine	2.15	µg/L	=	0.07	0.5	2.5	PR 86.0	RPD 7.2	None	PR 39-156 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 619	Atrazine	2.31	µg/L	=	0.07	0.5	2.5	PR 92.4		None	PR 39-156
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Azinphos methyl	2.07	µg/L	=	0.02	0.1	2.5	PR 82.8		None	PR 36-189
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Azinphos methyl	1.94	µg/L	=	0.02	0.1	2.5	PR 77.6	RPD 6.5	None	PR 36-189 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Bifenthrin	0.127	µg/L	=	0.006	0.02	0.2	PR 63.5		None	PR 52-117
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Bifenthrin	0.132	µg/L	=	0.006	0.02	0.2	PR 66.0	RPD 3.9	None	PR 52-117 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Carbaryl	0.972	µg/L	=	0.05	0.07	1.07	PR 90.8		None	PR 44-133
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Carbaryl	0.905	µg/L	=	0.05	0.07	1.07	PR 84.6	RPD 7.1	None	PR 44-133 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Carbofuran	1.08	µg/L	=	0.05	0.07	1.07	PR 101		RPD exceeds laboratory control limit	PR 36-165

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Carbofuran	0.831	µg/L	=	0.05	0.07	1.07	PR 77.7	RPD 26.1	RPD exceeds laboratory control limit	PR 36-165 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Chlorpyrifos	4.44	µg/L	=	0.003	0.02	5	PR 88.8	RPD 5.0	None	PR 61-125 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Chlorpyrifos	4.67	µg/L	=	0.003	0.02	5	PR 93.4		None	PR 61-125
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 619	Cyanazine	3.99	µg/L	=	0.09	0.5	2.5	PR 160	RPD 5.4	None	PR 22-172 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 619	Cyanazine	4.21	µg/L	=	0.09	0.5	2.5	PR 168		None	PR 22-172
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Cyfluthrin, total	0.157	µg/L	=	0.003	0.03	0.2	PR 78.5	RPD 3.1	None	PR 53-125 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Cyfluthrin, total	0.162	µg/L	=	0.003	0.03	0.2	PR 81.0		None	PR 53-125
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Cyhalothrin, lambda, total	0.157	µg/L	=	0.001	0.02	0.2	PR 78.5		None	PR 62-104
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Cyhalothrin, lambda, total	0.164	µg/L	=	0.001	0.02	0.2	PR 82.0	RPD 4.4	None	PR 62-104 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Cypermethrin, total	0.792	µg/L	=	0.004	0.05	1	PR 79.2	RPD 3.3	None	PR 55-107 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Cypermethrin, total	0.766	µg/L	=	0.004	0.05	1	PR 76.6		None	PR 55-107
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	DDD (p,p')	0.337	µg/L	=	0.003	0.01	0.3	PR 112		None	PR 38-135
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	DDD (p,p')	0.312	µg/L	=	0.003	0.01	0.3	PR 104	RPD 7.7	None	PR 38-135 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	DDE (p,p')	0.314	µg/L	=	0.004	0.01	0.3	PR 105	RPD 6.8	None	PR 21-134 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	DDE (p,p')	0.336	µg/L	=	0.004	0.01	0.3	PR 112		None	PR 21-134
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	DDT (p,p')	0.335	µg/L	=	0.007	0.01	0.3	PR 112		None	PR 18-145
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	DDT (p,p')	0.316	µg/L	=	0.007	0.01	0.3	PR 105	RPD 5.8	None	PR 18-145 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	77.3	%	=	NA	NA	100			None	PR 16-146
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Decachlorobiphenyl (Surrogate)	77	%	=	NA	NA	100			None	PR 16-146
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Diazinon	2.26	µg/L	=	0.004	0.02	2.5	PR 90.4	RPD 6.4	None	PR 57-130 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Diazinon	2.41	µg/L	=	0.004	0.02	2.5	PR 96.4		None	PR 57-130
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Dicofol	0.201	µg/L	=	0.01	0.1	0.2	PR 101	RPD 0.99	None	PR 40-135 RPD <25

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Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Dicofol	0.203	µg/L	=	0.01	0.1	0.2	PR 102		None	PR 40-135
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Dieldrin	0.305	µg/L	=	0.005	0.01	0.3	PR 102	RPD 7.3	None	PR 48-121 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Dieldrin	0.328	µg/L	=	0.005	0.01	0.3	PR 109		None	PR 48-121
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Dimethoate	2.54	µg/L	=	0.08	0.1	2.5	PR 102		None	PR 68-202
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Dimethoate	2.38	µg/L	=	0.08	0.1	2.5	PR 95.2	RPD 6.5	None	PR 68-202 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Disulfoton	2.14	µg/L	=	0.02	0.1	2.5	PR 85.6	RPD 6.3	None	PR 47-117 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Disulfoton	2.28	µg/L	=	0.02	0.1	2.5	PR 91.2		None	PR 47-117
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Diuron	0.934	µg/L	=	0.2	0.4	1.07	PR 87.3		None	PR 52-136
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Diuron	0.995	µg/L	=	0.2	0.4	1.07	PR 93.0	RPD 6.3	None	PR 52-136 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Endrin	0.323	µg/L	=	0.007	0.01	0.4	PR 80.8	RPD 3.9	None	PR 24-143 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Endrin	0.336	µg/L	=	0.007	0.01	0.4	PR 84.0		None	PR 24-143
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.147	µg/L	=	0.002	0.02	0.2	PR 73.5		None	PR 52-117
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.154	µg/L	=	0.002	0.02	0.2	PR 77.0	RPD 4.7	None	PR 52-117 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 547M	Glyphosate	51.06	µg/L	=	4	5	50	PR 102		None	PR 72-131
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 547M	Glyphosate	50.28	µg/L	=	4	5	50	PR 101	RPD 1.5	None	PR 72-131 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Linuron	0.982	µg/L	=	0.2	0.4	1.07	PR 91.8	RPD 3.8	None	PR 49-144 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Linuron	1.02	µg/L	=	0.2	0.4	1.07	PR 95.3		None	PR 49-144
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Malathion	2.18	µg/L	=	0.05	0.1	2.5	PR 87.2	RPD 7.1	None	PR 47-125 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Malathion	2.34	µg/L	=	0.05	0.1	2.5	PR 93.6		None	PR 47-125
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Methamidophos	0.3	µg/L	=	0.08	0.2	0.5	PR 60.0		None	PR 40-135
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Methamidophos	0.308	µg/L	=	0.08	0.2	0.5	PR 61.6	RPD 2.6	None	PR 40-135 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Methidathion	2.5	µg/L	=	0.04	0.1	2.5	PR 100		None	PR 50-150

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Methidathion	2.28	µg/L	=	0.04	0.1	2.5	PR 91.2	RPD 9.2	None	PR 50-150 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Methiocarb	1.07	µg/L	=	0.2	0.4	1.07	PR 100		None	PR 35-142
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Methiocarb	0.918	µg/L	=	0.2	0.4	1.07	PR 85.8	RPD 15.3	None	PR 35-142 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Methomyl	0.766	µg/L	=	0.05	0.07	1.07	PR 71.6		None	PR 23-152
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Methomyl	0.698	µg/L	=	0.05	0.07	1.07	PR 65.2	RPD 9.3	None	PR 23-152 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Methoxychlor	0.31	µg/L	=	0.008	0.01	0.3	PR 103		None	PR 30-163
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Methoxychlor	0.293	µg/L	=	0.008	0.01	0.3	PR 97.7	RPD 5.6	None	PR 30-163 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Molinate	2.02	µg/L	=	0.13	0.5	2.5	PR 80.8	RPD 2.5	None	PR 50-150 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Molinate	1.97	µg/L	=	0.13	0.5	2.5	PR 78.8		None	PR 50-150
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Oxamyl	0.628	µg/L	=	0.2	0.4	1.07	PR 58.7		None	PR 10-117
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Oxamyl	0.773	µg/L	=	0.2	0.4	1.07	PR 72.2	RPD 20.7	None	PR 10-117 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 549.2M	Paraquat dichloride	12.9	µg/L	=	0.21	0.4	12	PR 108		Matrix spike recovery not within control limits	PR 43-102
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 549.2M	Paraquat dichloride	11.3	µg/L	=	0.21	0.4	12	PR 94.2	RPD 13.2	None	PR 43-102 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Parathion, Methyl	2.11	µg/L	=	0.075	0.1	2.5	PR 84.4	RPD 8.6	None	PR 55-164 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Parathion, Methyl	2.3	µg/L	=	0.075	0.1	2.5	PR 92.0		None	PR 55-164
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Permethrin, total	0.134	µg/L	=	0.009	0.02	0.2	PR 67.0	RPD 3.0	None	PR 24-166 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Permethrin, total	0.13	µg/L	=	0.009	0.02	0.2	PR 65.0		None	PR 24-166
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Phorate	2.29	µg/L	=	0.072	0.1	2.5	PR 91.6		None	PR 44-117
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Phorate	2.17	µg/L	=	0.072	0.1	2.5	PR 86.8	RPD 5.4	None	PR 44-117 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Phosmet	0	µg/L	=	0.06	0.2	2.5	PR 0.0		Matrix spike recovery not within control limits	PR 50-150
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Phosmet	0	µg/L	=	0.06	0.2	2.5	PR 0.0	RPD 0	Matrix spike recovery not within control limits	PR 50-150 RPD <25
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 619	Simazine	2.15	µg/L	=	0.08	0.5	2.5	PR 86.0	RPD 5.4	None	PR 21-179 RPD <25

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 619	Simazine	2.27	µg/L	=	0.08	0.5	2.5	PR 90.8		None	PR 21-179
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	69	%	=	NA	NA	100			None	PR 15-98
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	38	%	=	NA	NA	100			None	PR 15-98
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Thiobencarb	1.94	µg/L	=	0.06	0.5	2.5	PR 77.6	RPD 13.2	None	PR 50-150 RPD <25
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Thiobencarb	1.7	µg/L	=	0.06	0.5	2.5	PR 68.0		None	PR 50-150
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8321A	Tributylphosphate (Surrogate)	91	%	=	NA	NA	100			None	PR 36-140
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8321A	Tributylphosphate (Surrogate)	94.7	%	=	NA	NA	100			None	PR 36-140
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	86.8	%	=	NA	NA	100			None	PR 60-150
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 619	Tributylphosphate (Surrogate)	86.8	%	=	NA	NA	100			None	PR 62-145
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	91.6	%	=	NA	NA	100			None	PR 60-150
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	79	%	=	NA	NA	100			None	PR 60-150
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Tributylphosphate (Surrogate)	95.2	%	=	NA	NA	100			None	PR 60-150
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 619	Tributylphosphate (Surrogate)	95.2	%	=	NA	NA	100			None	PR 62-145
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	92.4	%	=	NA	NA	100			None	PR 56-129
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 619	Triphenyl phosphate (Surrogate)	92.4	%	=	NA	NA	100			None	PR 54-144
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	79.6	%	=	NA	NA	100			None	PR 56-129
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	98.4	%	=	NA	NA	100			None	PR 56-129
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 619	Triphenyl phosphate (Surrogate)	98.4	%	=	NA	NA	100			None	PR 54-144
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 8141A	Triphenyl phosphate (Surrogate)	78	%	=	NA	NA	100			None	PR 56-129
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Aldicarb	0.734	µg/L	=	0.2	0.4	1.07	PR 68.6		None	PR 31-133
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Aldicarb	0.704	µg/L	=	0.2	0.4	1.07	PR 65.8	RPD 4.2	None	PR 31-133 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 619	Atrazine	6.82	µg/L	=	0.07	0.5	10	PR 68.2		None	PR 39-156

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Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 619	Atrazine	6.26	µg/L	=	0.07	0.5	10	PR 62.6	RPD 8.6	None	PR 39-156 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Azinphos methyl	2.52	µg/L	=	0.02	0.1	2	PR 126	RPD 9.8	None	PR 36-189 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Azinphos methyl	2.78	µg/L	=	0.02	0.1	2	PR 139		None	PR 36-189
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Bifenthrin	0.331	µg/L	=	0.006	0.02	0.4	PR 82.8		None	PR 52-117
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Bifenthrin	0.323	µg/L	=	0.006	0.02	0.4	PR 80.8	RPD 2.4	None	PR 52-117 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Carbaryl	0.848	µg/L	=	0.05	0.07	1.07	PR 79.3	RPD 17.4	None	PR 44-133 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Carbaryl	1.01	µg/L	=	0.05	0.07	1.07	PR 94.4		None	PR 44-133
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Carbofuran	0.962	µg/L	=	0.05	0.07	1.07	PR 89.9		None	PR 36-165
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Carbofuran	0.817	µg/L	=	0.05	0.07	1.07	PR 76.4	RPD 16.3	None	PR 36-165 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Chlorpyrifos	0.945	µg/L	=	0.003	0.02	1.015	PR 93.0	RPD 6.6	None	PR 61-125 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Chlorpyrifos	1.01	µg/L	=	0.003	0.02	1.015	PR 99.5		None	PR 61-125
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 619	Cyanazine	12.5	µg/L	=	0.09	0.5	10	PR 125		None	PR 22-172
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 619	Cyanazine	11.8	µg/L	=	0.09	0.5	10	PR 118	RPD 5.8	None	PR 22-172 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Cyfluthrin, total	0.421	µg/L	=	0.003	0.03	0.4	PR 105	RPD 3.0	None	PR 53-125 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Cyfluthrin, total	0.434	µg/L	=	0.003	0.03	0.4	PR 109		None	PR 53-125
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Cyhalothrin, lambda, total	0.306	µg/L	=	0.001	0.02	0.4	PR 76.5		None	PR 62-104
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Cyhalothrin, lambda, total	0.301	µg/L	=	0.001	0.02	0.4	PR 75.3	RPD 1.6	None	PR 62-104 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Cypermethrin, total	2.02	µg/L	=	0.004	0.05	2	PR 101		None	PR 55-107
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Cypermethrin, total	1.94	µg/L	=	0.004	0.05	2	PR 97.0	RPD 4.0	None	PR 55-107 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	DDD (p,p')	0.532	µg/L	=	0.003	0.01	0.6	PR 88.7		None	PR 38-135
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	DDD (p,p')	0.608	µg/L	=	0.003	0.01	0.6	PR 101	RPD 13.3	None	PR 38-135 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	DDE (p,p')	0.551	µg/L	=	0.004	0.01	0.6	PR 91.8		None	PR 21-134

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Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	DDE (p,p')	0.607	µg/L	=	0.004	0.01	0.6	PR 101	RPD 9.7	None	PR 21-134 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	DDT (p,p')	0.623	µg/L	=	0.007	0.01	0.6	PR 104		None	PR 18-145
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	DDT (p,p')	0.688	µg/L	=	0.007	0.01	0.6	PR 115	RPD 9.9	None	PR 18-145 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	89	%	=	NA	NA	100			None	PR 16-146
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Decachlorobiphenyl (Surrogate)	94.8	%	=	NA	NA	100			None	PR 16-146
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Diazinon	0.991	µg/L	=	0.004	0.02	1	PR 99.1	RPD 9.5	None	PR 57-130 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Diazinon	1.09	µg/L	=	0.004	0.02	1	PR 109		None	PR 57-130
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Dicofol	0.359	µg/L	=	0.01	0.1	0.4	PR 89.7		None	PR 40-135
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Dicofol	0.316	µg/L	=	0.01	0.1	0.4	PR 79.0	RPD 12.7	None	PR 40-135 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Dieldrin	0.564	µg/L	=	0.005	0.01	0.6	PR 94.0		None	PR 48-121
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Dieldrin	0.613	µg/L	=	0.005	0.01	0.6	PR 102	RPD 8.3	None	PR 48-121 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Dimethoate	1.12	µg/L	=	0.08	0.1	1	PR 112	RPD 5.2	None	PR 68-202 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Dimethoate	1.18	µg/L	=	0.08	0.1	1	PR 118		None	PR 68-202
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Disulfoton	0.719	µg/L	=	0.02	0.1	1	PR 71.9	RPD 13.2	None	PR 47-117 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Disulfoton	0.821	µg/L	=	0.02	0.1	1	PR 82.1		None	PR 47-117
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Diuron	0.957	µg/L	=	0.2	0.4	1.07	PR 89.4		None	PR 52-136
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Diuron	0.904	µg/L	=	0.2	0.4	1.07	PR 84.5	RPD 5.7	None	PR 52-136 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Endrin	0.522	µg/L	=	0.007	0.01	0.6	PR 87.0		None	PR 24-143
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Endrin	0.535	µg/L	=	0.007	0.01	0.6	PR 89.2	RPD 2.5	None	PR 24-143 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.441	µg/L	=	0.002	0.02	0.4	PR 110		None	PR 52-117
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.42	µg/L	=	0.002	0.02	0.4	PR 105	RPD 4.9	None	PR 52-117 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 547M	Glyphosate	54.98	µg/L	=	4	5	50	PR 110	RPD 0.61	None	PR 72-131 RPD <25

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Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 547M	Glyphosate	55.31	µg/L	=	4	5	50	PR 111		None	PR 72-131
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Linuron	0.907	µg/L	=	0.2	0.4	1.07	PR 84.8		None	PR 49-144
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Linuron	0.883	µg/L	=	0.2	0.4	1.07	PR 82.5	RPD 2.7	None	PR 49-144 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Malathion	0.761	µg/L	=	0.05	0.1	1	PR 76.1	RPD 15.3	None	PR 47-125 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Malathion	0.887	µg/L	=	0.05	0.1	1	PR 88.7		None	PR 47-125
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Methamidophos	0.293	µg/L	=	0.01	0.2	0.5	PR 58.6	RPD 0.34	None	PR 40-135 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Methamidophos	0.292	µg/L	=	0.01	0.2	0.5	PR 58.4		None	PR 40-135
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Methidathion	2.86	µg/L	=	0.04	0.1	2	PR 143	RPD 8.7	None	PR 50-150 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Methidathion	3.12	µg/L	=	0.04	0.1	2	PR 156		Matrix spike recovery not within control limits	PR 50-150
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Methiocarb	1.12	µg/L	=	0.2	0.4	1.07	PR 105		RPD exceeds laboratory control limit	PR 35-142
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Methiocarb	0.862	µg/L	=	0.2	0.4	1.07	PR 80.6	RPD 26.0	RPD exceeds laboratory control limit	PR 35-142 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Methomyl	0.664	µg/L	=	0.05	0.07	1.07	PR 62.1		None	PR 23-152
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Methomyl	0.644	µg/L	=	0.05	0.07	1.07	PR 60.2	RPD 3.1	None	PR 23-152 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Methoxychlor	0.59	µg/L	=	0.008	0.01	0.6	PR 98.3		None	PR 30-163
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Methoxychlor	0.667	µg/L	=	0.008	0.01	0.6	PR 111	RPD 12.3	None	PR 30-163 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Molinate	6.21	µg/L	=	0.13	0.5	5	PR 124	RPD 3.5	None	PR 50-150 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Molinate	6.43	µg/L	=	0.13	0.5	5	PR 129		None	PR 50-150
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Oxamyl	0.659	µg/L	=	0.2	0.4	1.07	PR 61.6		RPD exceeds laboratory control limit	PR 10-117
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Oxamyl	0.507	µg/L	=	0.2	0.4	1.07	PR 47.4	RPD 26.1	RPD exceeds laboratory control limit	PR 10-117 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 549.2M	Paraquat dichloride	23.7	µg/L	=	0.21	0.4	16	PR 148		Matrix spike recovery not within control limits	PR 43-102
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 549.2M	Paraquat dichloride	25.4	µg/L	=	0.21	0.4	16	PR 159	RPD 6.9	Matrix spike recovery not within control limits	PR 43-102 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Parathion, Methyl	0.758	µg/L	=	0.075	0.1	1	PR 75.8	RPD 13.5	None	PR 55-164 RPD <25

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Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Parathion, Methyl	0.868	µg/L	=	0.075	0.1	1	PR 86.8		None	PR 55-164
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Permethrin, total	0.342	µg/L	=	0.009	0.02	0.4	PR 85.5		None	PR 24-166
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Permethrin, total	0.388	µg/L	=	0.009	0.02	0.4	PR 97.0	RPD 12.6	None	PR 24-166 RPD <25
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Phorate	0.929	µg/L	=	0.072	0.1	1	PR 92.9	RPD 4.2	None	PR 44-117 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Phorate	0.969	µg/L	=	0.072	0.1	1	PR 96.9		None	PR 44-117
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Phosmet	0.5	µg/L	=	0.06	0.2	1	PR 50.0	RPD 14.6	None	PR 50-150 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Phosmet	0.432	µg/L	=	0.06	0.2	1	PR 43.2		Matrix spike recovery not within control limits	PR 50-150
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 619	Simazine	7.21	µg/L	=	0.08	0.5	10	PR 72.1	RPD 9.3	None	PR 21-179 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 619	Simazine	7.91	µg/L	=	0.08	0.5	10	PR 79.1		None	PR 21-179
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	55.5	%	=	NA	NA	100			None	PR 15-98
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	44.2	%	=	NA	NA	100			None	PR 15-98
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Thiobencarb	6.42	µg/L	=	0.06	0.5	5.5	PR 117	RPD 6.3	None	PR 50-150 RPD <25
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Thiobencarb	6.84	µg/L	=	0.06	0.5	5.5	PR 124		None	PR 50-150
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100			None	PR 60-150
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 619	Tributylphosphate (Surrogate)	113	%	=	NA	NA	100			None	PR 62-145
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8321A	Tributylphosphate (Surrogate)	73.1	%	=	NA	NA	100			None	PR 36-140
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8321A	Tributylphosphate (Surrogate)	74.4	%	=	NA	NA	100			None	PR 36-140
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100			None	PR 60-150
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100			None	PR 60-150
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Tributylphosphate (Surrogate)	117	%	=	NA	NA	100			None	PR 60-150
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 619	Tributylphosphate (Surrogate)	125	%	=	NA	NA	100			None	PR 62-145
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 619	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100			None	PR 54-144

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	96.5	%	=	NA	NA	100			None	PR 56-129
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 619	Triphenyl phosphate (Surrogate)	102	%	=	NA	NA	100			None	PR 54-144
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	116	%	=	NA	NA	100			None	PR 56-129
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	123	%	=	NA	NA	100			None	PR 56-129
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 8141A	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100			None	PR 56-129
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Aldicarb	0.874	µg/L	=	0.2	0.4	1.07	PR 81.7		None	PR 31-133
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Aldicarb	0.934	µg/L	=	0.2	0.4	1.07	PR 87.3	RPD 6.6	None	PR 31-133 RPD <25
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 619	Atrazine	11.6	µg/L	=	0.07	0.5	10	PR 116	RPD 8.1	None	PR 39-156 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 619	Atrazine	10.7	µg/L	=	0.07	0.5	10	PR 107		None	PR 39-156
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Azinphos methyl	11.1	µg/L	=	0.02	0.1	10	PR 111	RPD 3.7	None	PR 36-189 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Azinphos methyl	10.7	µg/L	=	0.02	0.1	10	PR 107		None	PR 36-189
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Bifenthrin	0.22	µg/L	=	0.006	0.02	0.4	PR 55.0		None	PR 52-117
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Bifenthrin	0.241	µg/L	=	0.006	0.02	0.4	PR 60.2	RPD 9.1	None	PR 52-117 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Carbaryl	1.15	µg/L	=	0.05	0.07	1.07	PR 107		RPD exceeds laboratory control limit	PR 44-133
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Carbaryl	0.691	µg/L	=	0.05	0.07	1.07	PR 64.6	RPD 49.9	RPD exceeds laboratory control limit	PR 44-133 RPD <25
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Carbofuran	0.71	µg/L	=	0.05	0.07	1.07	PR 66.4	RPD 4.3	None	PR 36-165 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Carbofuran	0.741	µg/L	=	0.05	0.07	1.07	PR 69.3		None	PR 36-165
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Chlorpyrifos	28.7	µg/L	=	0.003	0.02	30.021	PR 95.6		None	PR 61-125
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Chlorpyrifos	30.1	µg/L	=	0.003	0.02	30.021	PR 100	RPD 4.8	None	PR 61-125 RPD <25
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 619	Cyanazine	14.5	µg/L	=	0.09	0.5	10	PR 145	RPD 18.0	None	PR 22-172 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 619	Cyanazine	12.1	µg/L	=	0.09	0.5	10	PR 121		None	PR 22-172
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Cyfluthrin, total	0.302	µg/L	=	0.003	0.03	0.4	PR 75.5	RPD 11.6	None	PR 53-125 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Cyfluthrin, total	0.269	µg/L	=	0.003	0.03	0.4	PR 67.3		None	PR 53-125

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Cyhalothrin, lambda, total	0.48	µg/L	=	0.001	0.02	0.6	PR 80.0	RPD 11.5	None	PR 62-104 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Cyhalothrin, lambda, total	0.428	µg/L	=	0.001	0.02	0.6	PR 71.3		None	PR 62-104
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Cypermethrin, total	1.43	µg/L	=	0.004	0.05	2	PR 71.5	RPD 10.3	None	PR 55-107 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Cypermethrin, total	1.29	µg/L	=	0.004	0.05	2	PR 64.5		None	PR 55-107
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	DDD (p,p')	0.645	µg/L	=	0.003	0.01	0.6	PR 108	RPD 3.1	None	PR 38-135 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	DDD (p,p')	0.665	µg/L	=	0.003	0.01	0.6	PR 111		None	PR 38-135
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	DDE (p,p')	0.728	µg/L	=	0.004	0.01	0.6	PR 121	RPD 6.0	None	PR 21-134 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	DDE (p,p')	0.773	µg/L	=	0.004	0.01	0.6	PR 129		None	PR 21-134
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	DDT (p,p')	0.687	µg/L	=	0.007	0.01	0.6	PR 115	RPD 4.7	None	PR 18-145 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	DDT (p,p')	0.72	µg/L	=	0.007	0.01	0.6	PR 120		None	PR 18-145
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	71.2	%	=	NA	NA	100			None	PR 16-146
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Decachlorobiphenyl (Surrogate)	78.5	%	=	NA	NA	100			None	PR 16-146
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Diazinon	9.97	µg/L	=	0.004	0.02	10	PR 99.7	RPD 4.2	None	PR 57-130 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Diazinon	9.56	µg/L	=	0.004	0.02	10	PR 95.6		None	PR 57-130
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Dicofol	0.272	µg/L	=	0.01	0.1	0.4	PR 68.0	RPD 12.5	None	PR 40-135 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Dicofol	0.24	µg/L	=	0.01	0.1	0.4	PR 60.0		None	PR 40-135
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Dieldrin	0.731	µg/L	=	0.005	0.01	0.6	PR 122	RPD 4.3	Matrix spike recovery not within control limits	PR 48-121 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Dieldrin	0.763	µg/L	=	0.005	0.01	0.6	PR 127		Matrix spike recovery not within control limits	PR 48-121
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Dimethoate	10.1	µg/L	=	0.08	0.1	10	PR 101	RPD 3.0	None	PR 68-202 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Dimethoate	9.8	µg/L	=	0.08	0.1	10	PR 98.0		None	PR 68-202
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Disulfoton	9.24	µg/L	=	0.02	0.1	10	PR 92.4		None	PR 47-117
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Disulfoton	9.64	µg/L	=	0.02	0.1	10	PR 96.4	RPD 4.2	None	PR 47-117 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Diuron	1.01	µg/L	=	0.2	0.4	1.07	PR 94.4		RPD exceeds laboratory control limit	PR 52-136

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Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Diuron	1.3	µg/L	=	0.2	0.4	1.07	PR 121	RPD 25.1	RPD exceeds laboratory control limit	PR 52-136 RPD <25
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Endrin	0.67	µg/L	=	0.007	0.01	0.6	PR 112	RPD 2.7	None	PR 24-143 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Endrin	0.688	µg/L	=	0.007	0.01	0.6	PR 115		None	PR 24-143
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.255	µg/L	=	0.002	0.02	0.4	PR 63.8		None	PR 52-117
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.28	µg/L	=	0.002	0.02	0.4	PR 70.0	RPD 9.3	None	PR 52-117 RPD <25
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 547M	Glyphosate	53.39	µg/L	=	4	5	50	PR 107	RPD 0.11	None	PR 72-131 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 547M	Glyphosate	53.33	µg/L	=	4	5	50	PR 107		None	PR 72-131
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Linuron	0.806	µg/L	=	0.2	0.4	1.07	PR 75.3		None	PR 49-144
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Linuron	0.898	µg/L	=	0.2	0.4	1.07	PR 83.9	RPD 10.8	None	PR 49-144 RPD <25
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Malathion	30.1	µg/L	=	0.05	0.1	30	PR 100	RPD 4.8	None	PR 47-125 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Malathion	28.7	µg/L	=	0.05	0.1	30	PR 95.7		None	PR 47-125
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Methamidophos	0.243	µg/L	=	0.01	0.2	0.5	PR 48.6	RPD 10.5	None	PR 40-135 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Methamidophos	0.27	µg/L	=	0.01	0.2	0.5	PR 54.0		None	PR 40-135
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Methidathion	11.6	µg/L	=	0.04	0.1	10	PR 116	RPD 5.3	None	PR 50-150 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Methidathion	11	µg/L	=	0.04	0.1	10	PR 110		None	PR 50-150
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Methiocarb	0.639	µg/L	=	0.2	0.4	1.07	PR 59.7	RPD 33.8	RPD exceeds laboratory control limit	PR 35-142 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Methiocarb	0.899	µg/L	=	0.2	0.4	1.07	PR 84.0		RPD exceeds laboratory control limit	PR 35-142
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Methomyl	1.46	µg/L	=	0.05	0.07	1.07	PR 136	RPD 1.4	None	PR 23-152 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Methomyl	1.48	µg/L	=	0.05	0.07	1.07	PR 138		None	PR 23-152
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Methoxychlor	0.584	µg/L	=	0.008	0.01	0.6	PR 97.3		None	PR 30-163
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Methoxychlor	0.56	µg/L	=	0.008	0.01	0.6	PR 93.3	RPD 4.2	None	PR 30-163 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Molinate	9.46	µg/L	=	0.13	0.5	10	PR 94.6		None	PR 50-150
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Molinate	9.59	µg/L	=	0.13	0.5	10	PR 95.9	RPD 1.4	None	PR 50-150 RPD <25

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Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Oxamyl	0.518	µg/L	=	0.2	0.4	1.07	PR 48.4	RPD 15.2	None	PR 10-117 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Oxamyl	0.603	µg/L	=	0.2	0.4	1.07	PR 56.4		None	PR 10-117
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 549.2M	Paraquat dichloride	0	µg/L	=	0.21	0.4	12	PR 0.0	RPD 200.0	Matrix spike recovery not within control limits; RPD exceeds laboratory control limit	PR 43-102 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 549.2M	Paraquat dichloride	2.36	µg/L	=	0.21	0.4	12	PR 19.7		Matrix spike recovery not within control limits; RPD exceeds laboratory control limit	PR 43-102
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Parathion, Methyl	11.4	µg/L	=	0.075	0.1	10	PR 114	RPD 7.3	None	PR 55-164 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Parathion, Methyl	10.6	µg/L	=	0.075	0.1	10	PR 106		None	PR 55-164
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Permethrin, total	0.295	µg/L	=	0.009	0.02	0.4	PR 73.7	RPD 12.4	None	PR 24-166 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Permethrin, total	0.334	µg/L	=	0.009	0.02	0.4	PR 83.5		None	PR 24-166
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Phorate	9.66	µg/L	=	0.072	0.1	10	PR 96.6	RPD 3.5	None	PR 44-117 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Phorate	9.33	µg/L	=	0.072	0.1	10	PR 93.3		None	PR 44-117
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Phosmet	10.9	µg/L	=	0.06	0.2	10	PR 109		None	PR 50-150
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Phosmet	11.5	µg/L	=	0.06	0.2	10	PR 115	RPD 5.4	None	PR 50-150 RPD <25
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 619	Simazine	11.2	µg/L	=	0.08	0.5	10	PR 112	RPD 9.3	None	PR 21-179 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 619	Simazine	10.2	µg/L	=	0.08	0.5	10	PR 102		None	PR 21-179
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	91.7	%	=	NA	NA	100			None	PR 15-98
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	91.3	%	=	NA	NA	100			None	PR 15-98
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Thiobencarb	11.5	µg/L	=	0.06	0.5	10	PR 115	RPD 17.1	None	PR 50-150 RPD <25
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Thiobencarb	9.69	µg/L	=	0.06	0.5	10	PR 96.9		None	PR 50-150
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 619	Tributylphosphate (Surrogate)	96.7	%	=	NA	NA	100			None	PR 62-145
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	63.4	%	=	NA	NA	100			None	PR 60-150
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 619	Tributylphosphate (Surrogate)	95.3	%	=	NA	NA	100			None	PR 62-145

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Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	95.3	%	=	NA	NA	100			None	PR 60-150
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	89.5	%	=	NA	NA	100			None	PR 36-140
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	62.6	%	=	NA	NA	100			None	PR 60-150
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8321A	Tributylphosphate (Surrogate)	90.2	%	=	NA	NA	100			None	PR 36-140
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Tributylphosphate (Surrogate)	96.7	%	=	NA	NA	100			None	PR 60-150
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100			None	PR 54-144
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	68	%	=	NA	NA	100			None	PR 56-129
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 619	Triphenyl phosphate (Surrogate)	103	%	=	NA	NA	100			None	PR 54-144
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	103	%	=	NA	NA	100			None	PR 56-129
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	68.2	%	=	NA	NA	100			None	PR 56-129
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 8141A	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100			None	PR 56-129
Non Project QA Sample	MS	2.00	09/09/08	08:50	EPA 8141A	Chlorpyrifos	9.15	µg/L	=	0.003	0.02	10.034	PR 91.2	RPD 1.6	None	PR 61-125 RPD <25
Non Project QA Sample	MS	1.00	09/09/08	08:50	EPA 8141A	Chlorpyrifos	9.3	µg/L	=	0.003	0.02	10.034	PR 92.7		None	PR 61-125
Non Project QA Sample	MS	2.00	09/09/08	08:50	EPA 8141A	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100			None	PR 60-150
Non Project QA Sample	MS	1.00	09/09/08	08:50	EPA 8141A	Tributylphosphate (Surrogate)	89.8	%	=	NA	NA	100			None	PR 60-150
Non Project QA Sample	MS	2.00	09/09/08	08:50	EPA 8141A	Triphenyl phosphate (Surrogate)	93.4	%	=	NA	NA	100			None	PR 56-129
Non Project QA Sample	MS	1.00	09/09/08	08:50	EPA 8141A	Triphenyl phosphate (Surrogate)	95.6	%	=	NA	NA	100			None	PR 56-129
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Aldicarb	1.17	µg/L	=	0.2	0.4	1.07	PR 109	RPD 3.5	None	PR 31-133 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Aldicarb	1.13	µg/L	=	0.2	0.4	1.07	PR 106		None	PR 31-133
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 619	Atrazine	6.99	µg/L	=	0.07	0.5	10	PR 69.9	RPD 3.4	None	PR 39-156 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 619	Atrazine	7.23	µg/L	=	0.07	0.5	10	PR 72.3		None	PR 39-156
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Azinphos methyl	1.76	µg/L	=	0.02	0.1	2	PR 88.0		None	PR 36-189

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Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Azinphos methyl	1.78	µg/L	=	0.02	0.1	2	PR 89.0	RPD 1.1	None	PR 36-189 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Bifenthrin	0.278	µg/L	=	0.006	0.02	0.4	PR 69.5		None	PR 52-117
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Bifenthrin	0.27	µg/L	=	0.006	0.02	0.4	PR 67.5	RPD 2.9	None	PR 52-117 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Carbaryl	1.24	µg/L	=	0.05	0.07	1.07	PR 116	RPD 3.3	None	PR 44-133 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Carbaryl	1.2	µg/L	=	0.05	0.07	1.07	PR 112		None	PR 44-133
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Carbofuran	1.38	µg/L	=	0.05	0.07	1.07	PR 129	RPD 26.2	RPD exceeds laboratory control limit	PR 36-165 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Carbofuran	1.06	µg/L	=	0.05	0.07	1.07	PR 99.1		RPD exceeds laboratory control limit	PR 36-165
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Chlorpyrifos	1.14	µg/L	=	0.003	0.02	1.43	PR 71.0	RPD 1.8	None	PR 61-125 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Chlorpyrifos	1.12	µg/L	=	0.003	0.02	1.43	PR 69.0		None	PR 61-125
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 619	Cyanazine	9.76	µg/L	=	0.09	0.5	10	PR 97.6		None	PR 22-172
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 619	Cyanazine	9.71	µg/L	=	0.09	0.5	10	PR 97.1	RPD 0.51	None	PR 22-172 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Cyfluthrin, total	0.318	µg/L	=	0.003	0.03	0.4	PR 79.5	RPD 2.5	None	PR 53-125 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Cyfluthrin, total	0.326	µg/L	=	0.003	0.03	0.4	PR 81.5		None	PR 53-125
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Cyhalothrin, lambda, total	0.531	µg/L	=	0.001	0.02	0.6	PR 88.5		None	PR 62-104
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Cyhalothrin, lambda, total	0.508	µg/L	=	0.001	0.02	0.6	PR 84.7	RPD 4.4	None	PR 62-104 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Cypermethrin, total	1.55	µg/L	=	0.004	0.05	2	PR 77.5	RPD 2.5	None	PR 55-107 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Cypermethrin, total	1.59	µg/L	=	0.004	0.05	2	PR 79.5		None	PR 55-107
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	DDD (p,p')	0.622	µg/L	=	0.003	0.01	0.6	PR 104		None	PR 38-135
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	DDD (p,p')	0.617	µg/L	=	0.003	0.01	0.6	PR 103	RPD 0.81	None	PR 38-135 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	DDE (p,p')	0.652	µg/L	=	0.004	0.01	0.6	PR 109	RPD 3.6	None	PR 21-134 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	DDE (p,p')	0.676	µg/L	=	0.004	0.01	0.6	PR 113		None	PR 21-134
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	DDT (p,p')	0.746	µg/L	=	0.007	0.01	0.6	PR 124		None	PR 18-145

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Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	DDT (p,p')	0.721	µg/L	=	0.007	0.01	0.6	PR 120	RPD 3.4	None	PR 18-145 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	84	%	=	NA	NA	100			None	PR 16-146
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	79.7	%	=	NA	NA	100			None	PR 16-146
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Diazinon	1.09	µg/L	=	0.004	0.02	1	PR 109	RPD 7.6	None	PR 57-130 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Diazinon	1.01	µg/L	=	0.004	0.02	1	PR 101		None	PR 57-130
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Dicofol	0.233	µg/L	=	0.01	0.1	0.4	PR 58.3		None	PR 40-135
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Dicofol	0.242	µg/L	=	0.01	0.1	0.4	PR 60.5	RPD 3.8	None	PR 40-135 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Dieldrin	0.68	µg/L	=	0.005	0.01	0.6	PR 113	RPD 1.3	None	PR 48-121 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Dieldrin	0.689	µg/L	=	0.005	0.01	0.6	PR 115		None	PR 48-121
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Dimethoate	0.565	µg/L	=	0.08	0.1	1	PR 56.5	RPD 40.6	Matrix spike recovery not within control limits; RPD exceeds laboratory control limit	PR 68-202 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Dimethoate	0.853	µg/L	=	0.08	0.1	1	PR 85.3		RPD exceeds laboratory control limit	PR 68-202
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Disulfoton	0.933	µg/L	=	0.02	0.1	1	PR 93.3	RPD 6.8	None	PR 47-117 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Disulfoton	0.872	µg/L	=	0.02	0.1	1	PR 87.2		None	PR 47-117
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Diuron	1.29	µg/L	=	0.2	0.4	1.07	PR 121	RPD 32.2	RPD exceeds laboratory control limit	PR 52-136 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Diuron	0.932	µg/L	=	0.2	0.4	1.07	PR 87.1		RPD exceeds laboratory control limit	PR 52-136
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Endrin	0.677	µg/L	=	0.007	0.01	0.6	PR 113	RPD 2.2	None	PR 24-143 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Endrin	0.662	µg/L	=	0.007	0.01	0.6	PR 110		None	PR 24-143
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	0.298	µg/L	=	0.002	0.02	0.4	PR 74.5		None	PR 52-117
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	0.293	µg/L	=	0.002	0.02	0.4	PR 73.2	RPD 1.7	None	PR 52-117 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 547M	Glyphosate	65.9	µg/L	=	4	5	50	PR 132		Matrix spike recovery not within control limits	PR 72-131
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 547M	Glyphosate	65.93	µg/L	=	4	5	50	PR 132	RPD 0.047	Matrix spike recovery not within control limits	PR 72-131 RPD <25

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Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Linuron	1.02	µg/L	=	0.2	0.4	1.07	PR 95.3		None	PR 49-144
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Linuron	1.05	µg/L	=	0.2	0.4	1.07	PR 98.1	RPD 2.9	None	PR 49-144 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Malathion	0.931	µg/L	=	0.05	0.1	1	PR 93.1		None	PR 47-125
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Malathion	0.948	µg/L	=	0.05	0.1	1	PR 94.8	RPD 1.8	None	PR 47-125 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Methamidophos	0.256	µg/L	=	0.01	0.2	0.5	PR 51.2	RPD 3.8	None	PR 40-135 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Methamidophos	0.266	µg/L	=	0.01	0.2	0.5	PR 53.2		None	PR 40-135
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Methidathion	4.07	µg/L	=	0.04	0.1	4	PR 102		None	PR 50-150
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Methidathion	3.98	µg/L	=	0.04	0.1	4	PR 99.5	RPD 2.2	None	PR 50-150 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Methiocarb	1.3	µg/L	=	0.2	0.4	1.07	PR 121	RPD 0.77	None	PR 35-142 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Methiocarb	1.29	µg/L	=	0.2	0.4	1.07	PR 121		None	PR 35-142
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Methomyl	1.6	µg/L	=	0.05	0.07	1.07	PR 150		None	PR 23-152
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Methomyl	1.89	µg/L	=	0.05	0.07	1.07	PR 177	RPD 16.6	Matrix spike recovery not within control limits	PR 23-152 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Methoxychlor	0.624	µg/L	=	0.008	0.01	0.6	PR 104	RPD 3.6	None	PR 30-163 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Methoxychlor	0.647	µg/L	=	0.008	0.01	0.6	PR 108		None	PR 30-163
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Molinate	9.25	µg/L	=	0.13	0.5	5	PR 185	RPD 1.2	Matrix spike recovery not within control limits	PR 50-150 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Molinate	9.14	µg/L	=	0.13	0.5	5	PR 183		Matrix spike recovery not within control limits	PR 50-150
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Oxamyl	0.622	µg/L	=	0.2	0.4	1.07	PR 58.1		None	PR 10-117
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Oxamyl	0.625	µg/L	=	0.2	0.4	1.07	PR 58.4	RPD 0.48	None	PR 10-117 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 549.2M	Paraquat dichloride	7.35	µg/L	=	0.21	0.4	12	PR 61.3	RPD 58.3	RPD exceeds laboratory control limit	PR 43-102 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 549.2M	Paraquat dichloride	13.4	µg/L	=	0.21	0.4	12	PR 112		Matrix spike recovery not within control limits; RPD exceeds laboratory control limit	PR 43-102
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Parathion, Methyl	0.843	µg/L	=	0.075	0.1	1	PR 84.3		None	PR 55-164

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Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Parathion, Methyl	0.842	µg/L	=	0.075	0.1	1	PR 84.2	RPD 0.12	None	PR 55-164 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Permethrin, total	0.383	µg/L	=	0.009	0.02	0.4	PR 95.8	RPD 14.3	None	PR 24-166 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Permethrin, total	0.332	µg/L	=	0.009	0.02	0.4	PR 83.0		None	PR 24-166
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Phorate	1.21	µg/L	=	0.072	0.1	2	PR 60.5	RPD 11.4	None	PR 44-117 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Phorate	1.08	µg/L	=	0.072	0.1	2	PR 54.0		None	PR 44-117
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Phosmet	1.64	µg/L	=	0.06	0.2	1	PR 164		Matrix spike recovery not within control limits	PR 50-150
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Phosmet	1.66	µg/L	=	0.06	0.2	1	PR 166	RPD 1.2	Matrix spike recovery not within control limits	PR 50-150 RPD <25
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 619	Simazine	1.05	µg/L	=	0.08	0.5	2	PR 52.5	RPD 1.9	None	PR 21-179 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 619	Simazine	1.07	µg/L	=	0.08	0.5	2	PR 53.5		None	PR 21-179
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	93	%	=	NA	NA	100			None	PR 15-98
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	90	%	=	NA	NA	100			None	PR 15-98
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Thiobencarb	9.71	µg/L	=	0.06	0.5	10	PR 97.1	RPD 0.51	None	PR 50-150 RPD <25
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Thiobencarb	9.76	µg/L	=	0.06	0.5	10	PR 97.6		None	PR 50-150
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	72.2	%	=	NA	NA	100			None	PR 60-150
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 619	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100			None	PR 62-145
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	68.8	%	=	NA	NA	100			None	PR 60-150
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100			None	PR 62-145
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100			None	PR 60-150
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Tributylphosphate (Surrogate)	103	%	=	NA	NA	100			None	PR 60-150
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	112	%	=	NA	NA	100			None	PR 36-140
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8321A	Tributylphosphate (Surrogate)	98.5	%	=	NA	NA	100			None	PR 36-140
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	82.6	%	=	NA	NA	100			None	PR 56-129

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Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	98.5	%	=	NA	NA	100			None	PR 54-144
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 619	Triphenyl phosphate (Surrogate)	98.5	%	=	NA	NA	100			None	PR 54-144
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	98	%	=	NA	NA	100			None	PR 56-129
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	98.5	%	=	NA	NA	100			None	PR 56-129
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 8141A	Triphenyl phosphate (Surrogate)	87.4	%	=	NA	NA	100			None	PR 56-129
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Aldicarb	0.967	µg/L	=	0.2	0.4	1.07	PR 90.4		None	PR 31-133
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Aldicarb	1.02	µg/L	=	0.2	0.4	1.07	PR 95.3	RPD 5.3	None	PR 31-133 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 619	Atrazine	5.75	µg/L	=	0.07	0.5	10	PR 57.5	RPD 13.9	None	PR 39-156 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 619	Atrazine	6.61	µg/L	=	0.07	0.5	10	PR 66.1		None	PR 39-156
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Azinphos methyl	2.24	µg/L	=	0.02	0.1	2	PR 112		None	PR 36-189
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Azinphos methyl	2.26	µg/L	=	0.02	0.1	2	PR 113	RPD 0.89	None	PR 36-189 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Bifenthrin	0.286	µg/L	=	0.006	0.02	0.4	PR 71.5	RPD 3.2	None	PR 52-117 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Bifenthrin	0.277	µg/L	=	0.006	0.02	0.4	PR 69.3		None	PR 52-117
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Carbaryl	1.23	µg/L	=	0.05	0.07	1.07	PR 115		None	PR 44-133
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Carbaryl	1.14	µg/L	=	0.05	0.07	1.07	PR 107	RPD 7.6	None	PR 44-133 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Carbofuran	0.931	µg/L	=	0.05	0.07	1.07	PR 87.0		None	PR 36-165
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Carbofuran	0.878	µg/L	=	0.05	0.07	1.07	PR 82.1	RPD 5.9	None	PR 36-165 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Chlorpyrifos	0.794	µg/L	=	0.003	0.02	1	PR 79.4		None	PR 61-125
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Chlorpyrifos	0.763	µg/L	=	0.003	0.02	1	PR 76.3	RPD 4.0	None	PR 61-125 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 619	Cyanazine	12.1	µg/L	=	0.09	0.5	10	PR 118	RPD 31.9	RPD exceeds laboratory control limit	PR 22-172 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 619	Cyanazine	16.7	µg/L	=	0.09	0.5	10	PR 164		RPD exceeds laboratory control limit	PR 22-172
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Cyfluthrin, total	0.497	µg/L	=	0.003	0.03	0.4	PR 124	RPD 11.9	None	PR 53-125 RPD <25

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Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Cyfluthrin, total	0.441	µg/L	=	0.003	0.03	0.4	PR 110		None	PR 53-125
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Cyhalothrin, lambda, total	0.343	µg/L	=	0.001	0.02	0.4	PR 85.8	RPD 2.1	None	PR 62-104 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Cyhalothrin, lambda, total	0.336	µg/L	=	0.001	0.02	0.4	PR 84.0		None	PR 62-104
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Cypermethrin, total	1.81	µg/L	=	0.004	0.05	2	PR 90.5	RPD 2.2	None	PR 55-107 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Cypermethrin, total	1.77	µg/L	=	0.004	0.05	2	PR 88.5		None	PR 55-107
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	DDD (p,p')	0.536	µg/L	=	0.003	0.01	0.6	PR 89.3	RPD 11.0	None	PR 38-135 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	DDD (p,p')	0.48	µg/L	=	0.003	0.01	0.6	PR 80.0		None	PR 38-135
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	DDE (p,p')	0.673	µg/L	=	0.004	0.01	0.6	PR 112	RPD 3.2	None	PR 21-134 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	DDE (p,p')	0.652	µg/L	=	0.004	0.01	0.6	PR 109		None	PR 21-134
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	DDT (p,p')	0.71	µg/L	=	0.007	0.01	0.6	PR 118	RPD 2.7	None	PR 18-145 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	DDT (p,p')	0.691	µg/L	=	0.007	0.01	0.6	PR 115		None	PR 18-145
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	111	%	=	NA	NA	100			None	PR 16-146
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Decachlorobiphenyl (Surrogate)	105	%	=	NA	NA	100			None	PR 16-146
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Diazinon	0.708	µg/L	=	0.004	0.02	1	PR 70.8		None	PR 57-130
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Diazinon	0.669	µg/L	=	0.004	0.02	1	PR 66.9	RPD 5.7	None	PR 57-130 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Dicofol	0.392	µg/L	=	0.01	0.1	0.4	PR 98.0	RPD 1.3	None	PR 40-135 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Dicofol	0.387	µg/L	=	0.01	0.1	0.4	PR 96.8		None	PR 40-135
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Dieldrin	0.712	µg/L	=	0.005	0.01	0.6	PR 119	RPD 4.2	None	PR 48-121 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Dieldrin	0.683	µg/L	=	0.005	0.01	0.6	PR 114		None	PR 48-121
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Dimethoate	0.93	µg/L	=	0.08	0.1	1	PR 93.0		None	PR 68-202
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Dimethoate	0.907	µg/L	=	0.08	0.1	1	PR 90.7	RPD 2.5	None	PR 68-202 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Disulfoton	0.699	µg/L	=	0.02	0.1	1	PR 69.9	RPD 3.7	None	PR 47-117 RPD <25

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Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Disulfoton	0.725	µg/L	=	0.02	0.1	1	PR 72.5		None	PR 47-117
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Diuron	0.967	µg/L	=	0.2	0.4	1.07	PR 90.4		None	PR 52-136
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Diuron	1.08	µg/L	=	0.2	0.4	1.07	PR 101	RPD 11.0	None	PR 52-136 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Endrin	0.602	µg/L	=	0.007	0.01	0.6	PR 100	RPD 1.0	None	PR 24-143 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Endrin	0.596	µg/L	=	0.007	0.01	0.6	PR 99.3		None	PR 24-143
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.335	µg/L	=	0.002	0.02	0.4	PR 83.8	RPD 0.0	None	PR 52-117 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.335	µg/L	=	0.002	0.02	0.4	PR 83.8		None	PR 52-117
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 547M	Glyphosate	45.99	µg/L	=	4	5	50	PR 92	RPD 2.3	None	PR 72-131 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 547M	Glyphosate	47.04	µg/L	=	4	5	50	PR 94.1		None	PR 72-131
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Isoxaben (Surrogate)	105	%	=	NA	NA	100			None	PR 47-134
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Isoxaben (Surrogate)	107	%	=	NA	NA	100			None	PR 47-134
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Linuron	0.943	µg/L	=	0.2	0.4	1.07	PR 88.1	RPD 7.8	None	PR 49-144 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Linuron	0.872	µg/L	=	0.2	0.4	1.07	PR 81.5		None	PR 49-144
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Malathion	1.86	µg/L	=	0.05	0.1	3	PR 62.0		None	PR 47-125
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Malathion	1.82	µg/L	=	0.05	0.1	3	PR 60.7	RPD 2.2	None	PR 47-125 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Methamidophos	0.275	µg/L	=	0.01	0.2	0.5	PR 55.0	RPD 4.1	None	PR 40-135 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Methamidophos	0.264	µg/L	=	0.01	0.2	0.5	PR 52.8		None	PR 40-135
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Methidathion	2.94	µg/L	=	0.04	0.1	4	PR 73.5	RPD 9.4	None	PR 50-150 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Methidathion	3.23	µg/L	=	0.04	0.1	4	PR 80.8		None	PR 50-150
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Methiocarb	0.744	µg/L	=	0.2	0.4	1.07	PR 69.5	RPD 8.0	None	PR 35-142 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Methiocarb	0.806	µg/L	=	0.2	0.4	1.07	PR 75.3		None	PR 35-142
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Methomyl	1.77	µg/L	=	0.05	0.07	1.07	PR 165	RPD 5.5	Matrix spike recovery not within control limits	PR 23-152 RPD <25

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Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Methomyl	1.87	µg/L	=	0.05	0.07	1.07	PR 175		Matrix spike recovery not within control limits	PR 23-152
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Methoxychlor	0.634	µg/L	=	0.008	0.01	0.6	PR 106	RPD 0.63	None	PR 30-163 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Methoxychlor	0.638	µg/L	=	0.008	0.01	0.6	PR 106		None	PR 30-163
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Molinate	6.78	µg/L	=	0.13	0.5	10	PR 67.8		None	PR 50-150
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Molinate	5.82	µg/L	=	0.13	0.5	10	PR 58.2	RPD 15.2	None	PR 50-150 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Oxamyl	0.5	µg/L	=	0.2	0.4	1.07	PR 46.7	RPD 3.9	None	PR 10-117 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Oxamyl	0.52	µg/L	=	0.2	0.4	1.07	PR 48.6		None	PR 10-117
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 549.2M	Paraquat dichloride	18.3	µg/L	=	0.21	0.4	16	PR 114		A holding time violation has occurred and matrix spike recovery not within limits	PR 43-102
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 549.2M	Paraquat dichloride	17.4	µg/L	=	0.21	0.4	16	PR 109	RPD 5.0	A holding time violation has occurred and matrix spike recovery not within limits	PR 43-102 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Parathion, Methyl	0.643	µg/L	=	0.075	0.1	1	PR 64.3		None	PR 55-164
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Parathion, Methyl	0.618	µg/L	=	0.075	0.1	1	PR 61.8	RPD 4.0	None	PR 55-164 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Permethrin, total	0.293	µg/L	=	0.009	0.02	0.4	PR 73.2	RPD 7.8	None	PR 24-166 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Permethrin, total	0.271	µg/L	=	0.009	0.02	0.4	PR 67.8		None	PR 24-166
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Phorate	0.787	µg/L	=	0.072	0.1	1	PR 78.7		None	PR 44-117
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Phorate	0.766	µg/L	=	0.072	0.1	1	PR 76.6	RPD 2.7	None	PR 44-117 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Phosmet	1.31	µg/L	=	0.06	0.2	2	PR 65.5		None	PR 50-150
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Phosmet	1.2	µg/L	=	0.06	0.2	2	PR 60.0	RPD 8.8	None	PR 50-150 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 619	Simazine	2.56	µg/L	=	0.08	0.5	10	PR 25.6	RPD 11.4	None	PR 21-179 RPD <25
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 619	Simazine	2.87	µg/L	=	0.08	0.5	10	PR 28.7		None	PR 21-179
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	75.5	%	=	NA	NA	100			None	PR 15-98

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	49.2	%	=	NA	NA	100			None	PR 15-98
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Thiobencarb	7.99	µg/L	=	0.06	0.5	5	PR 160		Matrix spike recovery not within control limits	PR 50-150
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Thiobencarb	6.94	µg/L	=	0.06	0.5	5	PR 139	RPD 14.1	None	PR 50-150 RPD <25
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Tributylphosphate (Surrogate)	66	%	=	NA	NA	100			None	PR 60-150
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Tributylphosphate (Surrogate)	60.2	%	=	NA	NA	100			None	PR 60-150
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 619	Tributylphosphate (Surrogate)	68.5	%	=	NA	NA	100			None	PR 62-145
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Tributylphosphate (Surrogate)	83	%	=	NA	NA	100			None	PR 60-150
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 619	Tributylphosphate (Surrogate)	79	%	=	NA	NA	100			None	PR 62-145
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Tributylphosphate (Surrogate)	86.5	%	=	NA	NA	100			None	PR 60-150
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8321A	Tributylphosphate (Surrogate)	86.5	%	=	NA	NA	100			None	PR 36-140
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8321A	Tributylphosphate (Surrogate)	95.5	%	=	NA	NA	100			None	PR 36-140
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Triphenyl phosphate (Surrogate)	115	%	=	NA	NA	100			None	PR 56-129
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Triphenyl phosphate (Surrogate)	104	%	=	NA	NA	100			None	PR 56-129
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 8141A	Triphenyl phosphate (Surrogate)	81	%	=	NA	NA	100			None	PR 56-129
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 619	Triphenyl phosphate (Surrogate)	72	%	=	NA	NA	100			None	PR 54-144
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	08:50	EPA 8141A	Triphenyl phosphate (Surrogate)	81	%	=	NA	NA	100			None	PR 56-129
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	08:50	EPA 619	Triphenyl phosphate (Surrogate)	64	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Isoxaben (Surrogate)	72.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/24/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	74.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/25/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/25/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/25/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/25/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	86.4	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	50.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	36.1	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 619	Tributylphosphate (Surrogate)	64.5	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	64.5	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	76.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/26/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	76.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	04/29/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	69.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	48.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 619	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	107	%	=	NA	NA	100			None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	111	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/01/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	111	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Isoxaben (Surrogate)	93.9	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/05/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	86.1	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/06/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/06/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/06/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/06/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	78.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/06/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	80.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/13/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/13/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	94.4	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/13/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	85.1	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Isoxaben (Surrogate)	91.4	%	=	NA	NA	100			None	<RL

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	133	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	71.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/22/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	97.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	98.1	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	33.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 619	Tributylphosphate (Surrogate)	74.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	74.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	68.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/23/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	68.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/28/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/28/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	110	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/28/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	84.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	77.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Isoxaben (Surrogate)	112	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	24.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	86.2	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	70.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 619	Tributylphosphate (Surrogate)	70.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	61.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	05/29/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	61.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/02/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/02/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/06/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/06/08	00:00	EPA 8321A	Isoxaben (Surrogate)	97.2	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/06/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	87.4	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	74.2	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	73	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/18/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	75	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	85.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	40.5	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	89.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/19/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	89.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/20/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				A holding time violation has occurred.	<RL
Laboratory QA Samples	LabBlank	1.00	06/21/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/24/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/24/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				A holding time violation has occurred.	<RL
Laboratory QA Samples	LabBlank	1.00	06/27/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	85.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	76.1	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	06/30/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	77.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	85.5	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	50	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	95	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 619	Tributylphosphate (Surrogate)	94.4	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	82.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/01/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	85.4	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/10/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/10/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/10/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/10/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	92.1	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	92.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/28/08	00:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	88.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	77	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	77.2	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	94.9	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	07/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	94.9	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	08/04/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	81.5	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	77.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	83.2	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	71	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 619	Tributylphosphate (Surrogate)	100	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	100	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	73.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	92.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/05/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	92.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/11/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/11/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	90.2	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/11/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	76.1	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	69.1	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 619	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/25/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	77.5	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	95	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/26/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	93	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/29/08	00:00	EPA 8141A	Methamidophos	<0.01	µg/L	ND	0.01	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	08/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	71.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	08/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	66	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	50.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	60.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	90.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	99	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 619	Tributylphosphate (Surrogate)	99	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	88.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/02/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	88.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/05/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/16/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/16/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	102	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/16/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	96.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	59.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	70.4	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/26/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	93.9	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 619	Tributylphosphate (Surrogate)	96.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	96.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	80.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	94.5	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	84.6	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	09/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	94.5	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Aldicarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 619	Atrazine	<0.07	µg/L	ND	0.07	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Azinphos methyl	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Bifenthrin	<0.006	µg/L	ND	0.006	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Carbaryl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Carbofuran	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Chlorpyrifos	<0.003	µg/L	ND	0.003	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 619	Cyanazine	<0.09	µg/L	ND	0.09	0.5				None	<RL

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Cyfluthrin, total	<0.003	µg/L	ND	0.003	0.03				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	<0.001	µg/L	ND	0.001	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Cypermethrin, total	<0.004	µg/L	ND	0.004	0.05				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	DDD (p,p')	<0.003	µg/L	ND	0.003	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	DDE (p,p')	<0.004	µg/L	ND	0.004	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	DDT (p,p')	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	61.7	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Diazinon	<0.004	µg/L	ND	0.004	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Dicofol	<0.01	µg/L	ND	0.01	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Dieldrin	<0.005	µg/L	ND	0.005	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Dimethoate	<0.08	µg/L	ND	0.08	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Disulfoton	<0.02	µg/L	ND	0.02	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Diuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Endrin	<0.007	µg/L	ND	0.007	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	<0.002	µg/L	ND	0.002	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Linuron	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Malathion	<0.05	µg/L	ND	0.05	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Methamidophos	<0.08	µg/L	ND	0.08	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Methidathion	<0.04	µg/L	ND	0.04	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Methiocarb	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Methomyl	<0.05	µg/L	ND	0.05	0.07				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Methoxychlor	<0.008	µg/L	ND	0.008	0.01				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Molinate	<0.13	µg/L	ND	0.13	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Oxamyl	<0.2	µg/L	ND	0.2	0.4				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 549.2M	Paraquat dichloride	<0.21	µg/L	ND	0.21	0.4				None	<RL

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Parathion, Methyl	<0.075	µg/L	ND	0.075	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Permethrin, total	<0.009	µg/L	ND	0.009	0.02				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Phorate	<0.072	µg/L	ND	0.072	0.1				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Phosmet	<0.06	µg/L	ND	0.06	0.2				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 619	Simazine	<0.08	µg/L	ND	0.08	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	77.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Thiobencarb	<0.06	µg/L	ND	0.06	0.5				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 619	Tributylphosphate (Surrogate)	101	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	75.4	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	89	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	84.8	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	92.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/02/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	92.3	%	=	NA	NA	100			None	<RL
Laboratory QA Samples	LabBlank	1.00	10/10/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LabBlank	1.00	10/10/08	00:00	EPA 547M	Glyphosate	<4	µg/L	ND	4	5				None	<RL
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Aldicarb	0.772	µg/L	=	0.2	0.4	1.07	PR 72.1	RPD 1.8	None	PR 31-133 RPD <25
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Aldicarb	0.758	µg/L	=	0.2	0.4	1.07	PR 70.8		None	PR 31-133
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Carbaryl	0.991	µg/L	=	0.05	0.07	1.07	PR 92.6		None	PR 44-133
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Carbaryl	1.05	µg/L	=	0.05	0.07	1.07	PR 98.1	RPD 5.8	None	PR 44-133 RPD <25
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Carbofuran	0.911	µg/L	=	0.05	0.07	1.07	PR 85.1	RPD 6.6	None	PR 36-165 RPD <25
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Carbofuran	0.853	µg/L	=	0.05	0.07	1.07	PR 79.7		None	PR 36-165
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Diuron	0.802	µg/L	=	0.2	0.4	1.07	PR 75.0	RPD 4.2	None	PR 52-136 RPD <25
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Diuron	0.769	µg/L	=	0.2	0.4	1.07	PR 71.9		None	PR 52-136

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Isoxaben (Surrogate)	73.5	%	=	NA	NA	100			None	PR 47-134
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Isoxaben (Surrogate)	75	%	=	NA	NA	100			None	PR 47-134
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Linuron	0.78	µg/L	=	0.2	0.4	1.07	PR 72.9	RPD 4.7	None	PR 49-144 RPD <25
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Linuron	0.744	µg/L	=	0.2	0.4	1.07	PR 69.5		None	PR 49-144
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Methiocarb	0.827	µg/L	=	0.2	0.4	1.07	PR 77.3		None	PR 35-142
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Methiocarb	0.892	µg/L	=	0.2	0.4	1.07	PR 83.4	RPD 7.6	None	PR 35-142 RPD <25
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Methomyl	0.823	µg/L	=	0.05	0.07	1.07	PR 76.9	RPD 12.8	None	PR 23-152 RPD <25
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Methomyl	0.724	µg/L	=	0.05	0.07	1.07	PR 67.7		None	PR 23-152
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Oxamyl	0.799	µg/L	=	0.2	0.4	1.07	PR 74.7	RPD 10.8	None	PR 10-117 RPD <25
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Oxamyl	0.717	µg/L	=	0.2	0.4	1.07	PR 67.0		None	PR 10-117
Laboratory QA Samples	LCS	1.00	04/24/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	77.4	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	2.00	04/24/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	84.2	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	04/25/08	00:00	EPA 547M	Glyphosate	44.63	µg/L	=	4	5	50	PR 89.3		None	PR 72-131
Laboratory QA Samples	LCS	2.00	04/25/08	00:00	EPA 547M	Glyphosate	45.25	µg/L	=	4	5	50	PR 90.5	RPD 1.4	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	04/25/08	00:00	EPA 8141A	Methamidophos	0.32	µg/L	=	0.01	0.2	0.5	PR 64.0		None	PR 40-135
Laboratory QA Samples	LCS	2.00	04/25/08	00:00	EPA 8141A	Methamidophos	0.328	µg/L	=	0.01	0.2	0.5	PR 65.6	RPD 2.5	None	PR 40-135 RPD <25
Laboratory QA Samples	LCS	2.00	04/25/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	97.3	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	04/25/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	82	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	04/25/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	101	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	2.00	04/25/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	123	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 619	Atrazine	3.16	µg/L	=	0.07	0.5	2.5	PR 126		None	PR 39-156
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Azinphos methyl	1.16	µg/L	=	0.02	0.1	1	PR 116		None	PR 36-189
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Bifenthrin	0.125	µg/L	=	0.006	0.02	0.2	PR 62.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Chlorpyrifos	0.449	µg/L	=	0.003	0.02	0.5	PR 89.8		None	PR 61-125

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 619	Cyanazine	3.94	µg/L	=	0.09	0.5	2.5	PR 158		None	PR 22-172
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Cyfluthrin, total	0.185	µg/L	=	0.003	0.03	0.2	PR 92.5		None	PR 53-125
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.139	µg/L	=	0.001	0.02	0.2	PR 69.5		None	PR 62-104
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Cypermethrin, total	0.707	µg/L	=	0.004	0.05	1	PR 70.7		None	PR 55-107
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	DDD (p,p')	0.187	µg/L	=	0.003	0.01	0.3	PR 62.3		None	PR 38-135
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	DDE (p,p')	0.234	µg/L	=	0.004	0.01	0.3	PR 78.0		None	PR 21-134
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	DDT (p,p')	0.267	µg/L	=	0.007	0.01	0.3	PR 89.0		None	PR 18-145
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	64	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Diazinon	0.434	µg/L	=	0.004	0.02	0.5	PR 86.8		None	PR 57-130
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Dicofol	0.132	µg/L	=	0.01	0.1	0.2	PR 66.0		None	PR 40-135
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Dieldrin	0.247	µg/L	=	0.005	0.01	0.3	PR 82.3		None	PR 48-121
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Dimethoate	0.567	µg/L	=	0.08	0.1	0.5	PR 113		None	PR 68-202
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Disulfoton	0.37	µg/L	=	0.02	0.1	0.5	PR 74.0		None	PR 47-117
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Endrin	0.248	µg/L	=	0.007	0.01	0.3	PR 82.7		None	PR 24-143
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	0.134	µg/L	=	0.002	0.02	0.2	PR 67.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Malathion	0.42	µg/L	=	0.05	0.1	0.5	PR 84.0		None	PR 47-125
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Methidathion	1.53	µg/L	=	0.04	0.1	1	PR 76.5		None	PR 50-150
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Methoxychlor	0.256	µg/L	=	0.008	0.01	0.3	PR 85.3		None	PR 30-163
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Molinate	2.8	µg/L	=	0.13	0.5	2.5	PR 112		None	PR 50-150
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Parathion, Methyl	0.525	µg/L	=	0.075	0.1	0.5	PR 105		None	PR 55-164
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Permethrin, total	0.13	µg/L	=	0.009	0.02	0.2	PR 65.0		None	PR 24-166
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Phorate	0.428	µg/L	=	0.072	0.1	0.5	PR 85.6		None	PR 44-117
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Phosmet	0.944	µg/L	=	0.06	0.2	0.5	PR 94.4		None	PR 50-150
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 619	Simazine	1.4	µg/L	=	0.08	0.5	2.5	PR 56.0		None	PR 21-179
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	50.7	%	=	NA	NA	100			None	PR 15-98

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Thiobencarb	3.22	µg/L	=	0.06	0.5	2.5	PR 129		None	PR 50-150
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	82.3	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 619	Tributylphosphate (Surrogate)	82.3	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	04/26/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	109	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	04/29/08	00:00	EPA 549.2M	Paraquat dichloride	1.77	µg/L	=	0.21	0.4	2	PR 88.5		None	PR 43-102
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 619	Atrazine	3.18	µg/L	=	0.07	0.5	2.5	PR 127		None	PR 39-156
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Azinphos methyl	1.04	µg/L	=	0.02	0.1	1	PR 104		None	PR 36-189
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Bifenthrin	0.149	µg/L	=	0.006	0.02	0.2	PR 74.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Chlorpyrifos	0.46	µg/L	=	0.003	0.02	0.5	PR 92.0		None	PR 61-125
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 619	Cyanazine	4.09	µg/L	=	0.09	0.5	2.5	PR 164		None	PR 22-172
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Cyfluthrin, total	0.157	µg/L	=	0.003	0.03	0.2	PR 78.5		None	PR 53-125
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.22	µg/L	=	0.001	0.02	0.2	PR 110		LCS is outside of acceptance limits	PR 62-104
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Cypermethrin, total	0.757	µg/L	=	0.004	0.05	1	PR 75.7		None	PR 55-107
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	DDD (p,p')	0.267	µg/L	=	0.003	0.01	0.3	PR 89.0		None	PR 38-135
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	DDE (p,p')	0.24	µg/L	=	0.004	0.01	0.3	PR 80.0		None	PR 21-134
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	DDT (p,p')	0.277	µg/L	=	0.007	0.01	0.3	PR 92.3		None	PR 18-145
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	73	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Diazinon	0.491	µg/L	=	0.004	0.02	0.5	PR 98.2		None	PR 57-130
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Dicofol	0.114	µg/L	=	0.01	0.1	0.2	PR 57.0		None	PR 40-135
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Dieldrin	0.282	µg/L	=	0.005	0.01	0.3	PR 94.0		None	PR 48-121
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Dimethoate	0.627	µg/L	=	0.08	0.1	0.5	PR 125		None	PR 68-202
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Disulfoton	0.452	µg/L	=	0.02	0.1	0.5	PR 90.4		None	PR 47-117
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Endrin	0.276	µg/L	=	0.007	0.01	0.3	PR 92.0		None	PR 24-143
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	0.155	µg/L	=	0.002	0.02	0.2	PR 77.5		None	PR 52-117

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Malathion	0.55	µg/L	=	0.05	0.1	0.5	PR 110		None	PR 47-125
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Methidathion	1.57	µg/L	=	0.04	0.1	1	PR 78.5		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Methoxychlor	0.271	µg/L	=	0.008	0.01	0.3	PR 90.3		None	PR 30-163
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Molinate	3.04	µg/L	=	0.13	0.5	2.5	PR 122		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Parathion, Methyl	0.389	µg/L	=	0.075	0.1	0.5	PR 77.8		None	PR 55-164
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Permethrin, total	0.172	µg/L	=	0.009	0.02	0.2	PR 86.0		None	PR 24-166
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Phorate	0.506	µg/L	=	0.072	0.1	0.5	PR 101		None	PR 44-117
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Phosmet	0.846	µg/L	=	0.06	0.2	0.5	PR 84.4		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 619	Simazine	1.57	µg/L	=	0.08	0.5	2.5	PR 62.8		None	PR 21-179
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	61	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Thiobencarb	3.23	µg/L	=	0.06	0.5	2.5	PR 129		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	05/01/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Aldicarb	0.76	µg/L	=	0.2	0.4	1.07	PR 71.0		None	PR 31-133
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Carbaryl	0.824	µg/L	=	0.05	0.07	1.07	PR 77.0		None	PR 44-133
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Carbofuran	0.941	µg/L	=	0.05	0.07	1.07	PR 87.9		None	PR 36-165
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Diuron	1.05	µg/L	=	0.2	0.4	1.07	PR 98.1		None	PR 52-136
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Isoxaben (Surrogate)	92.5	%	=	NA	NA	100			None	PR 47-134
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Linuron	0.884	µg/L	=	0.2	0.4	1.07	PR 82.6		None	PR 49-144
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Methiocarb	0.861	µg/L	=	0.2	0.4	1.07	PR 80.5		None	PR 35-142
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Methomyl	0.921	µg/L	=	0.05	0.07	1.07	PR 86.1		None	PR 23-152
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Oxamyl	0.632	µg/L	=	0.2	0.4	1.07	PR 59.1		None	PR 10-117
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 549.2M	Paraquat dichloride	1.83	µg/L	=	0.21	0.4	2	PR 91.5		None	PR 43-102

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	05/05/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	97.7	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	2.00	05/06/08	00:00	EPA 547M	Glyphosate	49.91	µg/L	=	4	5	50	PR 99.8	RPD 2.2	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	05/06/08	00:00	EPA 547M	Glyphosate	51.04	µg/L	=	4	5	50	PR 102		None	PR 72-131
Laboratory QA Samples	LCS	1.00	05/06/08	00:00	EPA 8141A	Methamidophos	0.317	µg/L	=	0.01	0.2	0.5	PR 63.4		None	PR 40-135
Laboratory QA Samples	LCS	1.00	05/06/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	87.4	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	05/06/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	86.8	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	05/13/08	00:00	EPA 8141A	Chlorpyrifos	0.45	µg/L	=	0.003	0.02	0.5	PR 90.0		None	PR 61-125
Laboratory QA Samples	LCS	2.00	05/13/08	00:00	EPA 8141A	Chlorpyrifos	0.479	µg/L	=	0.003	0.02	0.5	PR 95.8	RPD 6.2	None	PR 61-125 RPD <25
Laboratory QA Samples	LCS	1.00	05/13/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	79.2	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	2.00	05/13/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	83.5	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	05/13/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	79.4	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	2.00	05/13/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	88.1	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Aldicarb	0.929	µg/L	=	0.2	0.4	1.07	PR 86.8		None	PR 31-133
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Carbaryl	1.2	µg/L	=	0.05	0.07	1.07	PR 112		None	PR 44-133
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Carbofuran	0.862	µg/L	=	0.05	0.07	1.07	PR 80.6		None	PR 36-165
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Diuron	1.03	µg/L	=	0.2	0.4	1.07	PR 96.3		None	PR 52-136
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Isoxaben (Surrogate)	105	%	=	NA	NA	100			None	PR 47-134
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Linuron	0.921	µg/L	=	0.2	0.4	1.07	PR 86.1		None	PR 49-144
Laboratory QA Samples	LCS	2.00	05/22/08	00:00	EPA 8141A	Methamidophos	0.274	µg/L	=	0.01	0.2	0.5	PR 54.8	RPD 1.1	None	PR 40-135 RPD <25
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8141A	Methamidophos	0.277	µg/L	=	0.01	0.2	0.5	PR 55.4		None	PR 40-135
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Methiocarb	0.786	µg/L	=	0.2	0.4	1.07	PR 73.5		None	PR 35-142
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Methomyl	1.62	µg/L	=	0.05	0.07	1.07	PR 151		None	PR 23-152
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Oxamyl	0.533	µg/L	=	0.2	0.4	1.07	PR 49.8		None	PR 10-117
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	68.8	%	=	NA	NA	100			None	PR 60-150

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	2.00	05/22/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	68.8	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	73.8	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	2.00	05/22/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	122	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	05/22/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	117	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 619	Atrazine	3.48	µg/L	=	0.07	0.5	5	PR 69.6		None	PR 39-156
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Azinphos methyl	1.04	µg/L	=	0.02	0.1	1	PR 104		None	PR 36-189
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Bifenthrin	0.137	µg/L	=	0.006	0.02	0.2	PR 68.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Chlorpyrifos	0.352	µg/L	=	0.003	0.02	0.5	PR 70.4		None	PR 61-125
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 619	Cyanazine	8.05	µg/L	=	0.09	0.5	5	PR 161		None	PR 22-172
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Cyfluthrin, total	0.231	µg/L	=	0.003	0.03	0.2	PR 116		None	PR 53-125
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.168	µg/L	=	0.001	0.02	0.2	PR 84.0		None	PR 62-104
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Cypermethrin, total	0.873	µg/L	=	0.004	0.05	1	PR 87.3		None	PR 55-107
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	DDD (p,p')	0.247	µg/L	=	0.003	0.01	0.3	PR 82.3		None	PR 38-135
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	DDE (p,p')	0.276	µg/L	=	0.004	0.01	0.3	PR 92.0		None	PR 21-134
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	DDT (p,p')	0.309	µg/L	=	0.007	0.01	0.3	PR 103		None	PR 18-145
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	102	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Diazinon	0.316	µg/L	=	0.004	0.02	0.5	PR 63.2		None	PR 57-130
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Dicofol	0.186	µg/L	=	0.01	0.1	0.2	PR 93.0		None	PR 40-135
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Dieldrin	0.309	µg/L	=	0.005	0.01	0.3	PR 103		None	PR 48-121
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Dimethoate	0.41	µg/L	=	0.08	0.1	0.5	PR 82.0		None	PR 68-202
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Disulfoton	0.234	µg/L	=	0.02	0.1	0.5	PR 46.8		LCS is outside of acceptance limits. MS/DMS are accept., no corr.	PR 47-117
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Endrin	0.269	µg/L	=	0.007	0.01	0.3	PR 89.7		None	PR 24-143
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	0.166	µg/L	=	0.002	0.02	0.2	PR 83.0		None	PR 52-117

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Malathion	0.718	µg/L	=	0.05	0.1	1.5	PR 47.9		None	PR 47-125
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Methidathion	1.73	µg/L	=	0.04	0.1	2	PR 86.5		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Methoxychlor	0.29	µg/L	=	0.008	0.01	0.3	PR 96.7		None	PR 30-163
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Molinate	3.26	µg/L	=	0.13	0.5	5	PR 65.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Parathion, Methyl	0.296	µg/L	=	0.075	0.1	0.5	PR 59.2		None	PR 55-164
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Permethrin, total	0.14	µg/L	=	0.009	0.02	0.2	PR 70.0		None	PR 24-166
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Phorate	0.344	µg/L	=	0.072	0.1	0.5	PR 68.8		None	PR 44-117
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Phosmet	0.738	µg/L	=	0.06	0.2	1	PR 73.8		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 619	Simazine	1.46	µg/L	=	0.08	0.5	5	PR 29.2		None	PR 21-179
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	38.7	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Thiobencarb	4.3	µg/L	=	0.06	0.5	2.5	PR 172		LCS is outside of acceptance limits	PR 50-150
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 619	Tributylphosphate (Surrogate)	88.4	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	80.5	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	73.6	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	05/23/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	84.1	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	05/28/08	00:00	EPA 8141A	Methamidophos	0.282	µg/L	=	0.01	0.2	0.5	PR 56.4		None	PR 40-135
Laboratory QA Samples	LCS	1.00	05/28/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	61.7	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	05/28/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	120	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Aldicarb	0.935	µg/L	=	0.2	0.4	1.07	PR 87.4		None	PR 31-133
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 619	Atrazine	2.1	µg/L	=	0.07	0.5	5	PR 42.0		None	PR 39-156
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Azinphos methyl	0.368	µg/L	=	0.02	0.1	1	PR 36.8		None	PR 36-189
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Bifenthrin	0.134	µg/L	=	0.006	0.02	0.2	PR 67.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Carbaryl	1.22	µg/L	=	0.05	0.07	1.07	PR 114		None	PR 44-133
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Carbofuran	1.14	µg/L	=	0.05	0.07	1.07	PR 107		None	PR 36-165
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Chlorpyrifos	0.32	µg/L	=	0.003	0.02	0.5	PR 64.0		None	PR 61-125

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Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 619	Cyanazine	4.15	µg/L	=	0.09	0.5	5	PR 83.0		None	PR 22-172
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Cyfluthrin, total	0.218	µg/L	=	0.003	0.03	0.2	PR 109		None	PR 53-125
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.164	µg/L	=	0.001	0.02	0.2	PR 82.0		None	PR 62-104
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Cypermethrin, total	0.862	µg/L	=	0.004	0.05	1	PR 86.2		None	PR 55-107
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	DDD (p,p')	0.285	µg/L	=	0.003	0.01	0.3	PR 95.0		None	PR 38-135
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	DDE (p,p')	0.272	µg/L	=	0.004	0.01	0.3	PR 90.7		None	PR 21-134
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	DDT (p,p')	0.31	µg/L	=	0.007	0.01	0.3	PR 103		None	PR 18-145
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	88.7	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Diazinon	0.339	µg/L	=	0.004	0.02	0.5	PR 67.8		None	PR 57-130
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Dicofol	0.163	µg/L	=	0.01	0.1	0.2	PR 81.5		None	PR 40-135
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Dieldrin	0.305	µg/L	=	0.005	0.01	0.3	PR 102		None	PR 48-121
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Dimethoate	0.423	µg/L	=	0.08	0.1	0.5	PR 84.6		None	PR 68-202
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Disulfoton	0.347	µg/L	=	0.02	0.1	0.5	PR 69.4		None	PR 47-117
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Diuron	1.01	µg/L	=	0.2	0.4	1.07	PR 94.4		None	PR 52-136
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Endrin	0.261	µg/L	=	0.007	0.01	0.3	PR 87.0		None	PR 24-143
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.165	µg/L	=	0.002	0.02	0.2	PR 82.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Isoxaben (Surrogate)	112	%	=	NA	NA	100			None	PR 47-134
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Linuron	0.869	µg/L	=	0.2	0.4	1.07	PR 81.2		None	PR 49-144
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Malathion	0.413	µg/L	=	0.05	0.1	0.5	PR 82.6		None	PR 47-125
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Methidathion	0.911	µg/L	=	0.04	0.1	1	PR 91.1		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Methiocarb	1	µg/L	=	0.2	0.4	1.07	PR 93.5		None	PR 35-142
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Methomyl	1.08	µg/L	=	0.05	0.07	1.07	PR 101		None	PR 23-152
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Methoxychlor	0.284	µg/L	=	0.008	0.01	0.3	PR 94.7		None	PR 30-163
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Molinate	1.52	µg/L	=	0.13	0.5	2.5	PR 60.8		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Oxamyl	0.741	µg/L	=	0.2	0.4	1.07	PR 69.3		None	PR 10-117
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Parathion, Methyl	0.334	µg/L	=	0.075	0.1	0.5	PR 66.8		None	PR 55-164

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Permethrin, total	0.141	µg/L	=	0.009	0.02	0.2	PR 70.5		None	PR 24-166
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Phorate	0.323	µg/L	=	0.072	0.1	0.5	PR 64.6		None	PR 44-117
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Phosmet	0.493	µg/L	=	0.06	0.2	0.5	PR 98.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 619	Simazine	2.52	µg/L	=	0.08	0.5	5	PR 50.4		None	PR 21-179
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	27.2	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Thiobencarb	1.85	µg/L	=	0.06	0.5	2.5	PR 74.0		None	PR 50-150
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	73.8	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 619	Tributylphosphate (Surrogate)	79.1	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	86.5	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	65.6	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	05/29/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	70.5	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	2.00	06/02/08	00:00	EPA 547M	Glyphosate	47.35	µg/L	=	4	5	50	PR 94.7	RPD 0.26	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	06/02/08	00:00	EPA 547M	Glyphosate	47.47	µg/L	=	4	5	50	PR 94.9		None	PR 72-131
Laboratory QA Samples	LCS	1.00	06/02/08	00:00	EPA 547M	Glyphosate	47.96	µg/L	=	4	5	50	PR 95.9		None	PR 72-131
Laboratory QA Samples	LCS	2.00	06/02/08	00:00	EPA 547M	Glyphosate	48.4	µg/L	=	4	5	50	PR 96.8	RPD 0.91	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	06/06/08	00:00	EPA 8321A	Diuron	0.992	µg/L	=	0.2	0.4	1.07	PR 92.7		None	PR 52-136
Laboratory QA Samples	LCS	2.00	06/06/08	00:00	EPA 8321A	Diuron	1.03	µg/L	=	0.2	0.4	1.07	PR 96.3	RPD 3.8	None	PR 52-136 RPD <25
Laboratory QA Samples	LCS	1.00	06/06/08	00:00	EPA 8321A	Isoxaben (Surrogate)	98.5	%	=	NA	NA	100			None	PR 47-134
Laboratory QA Samples	LCS	2.00	06/06/08	00:00	EPA 8321A	Isoxaben (Surrogate)	94	%	=	NA	NA	100			None	PR 47-134
Laboratory QA Samples	LCS	1.00	06/06/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	86.5	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	2.00	06/06/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	89.5	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Aldicarb	0.692	µg/L	=	0.2	0.4	1.07	PR 64.7		None	PR 31-133
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Carbaryl	0.825	µg/L	=	0.05	0.07	1.07	PR 77.1		None	PR 44-133
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Carbofuran	0.803	µg/L	=	0.05	0.07	1.07	PR 75.0		None	PR 36-165

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Diuron	0.825	µg/L	=	0.2	0.4	1.07	PR 77.1		None	PR 52-136
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Linuron	0.85	µg/L	=	0.2	0.4	1.07	PR 79.4		None	PR 49-144
Laboratory QA Samples	LCS	2.00	06/18/08	00:00	EPA 8141A	Methamidophos	0.296	µg/L	=	0.01	0.2	0.5	PR 59.2	RPD 2.7	None	PR 40-135 RPD <25
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8141A	Methamidophos	0.288	µg/L	=	0.01	0.2	0.5	PR 57.6		None	PR 40-135
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Methiocarb	0.884	µg/L	=	0.2	0.4	1.07	PR 82.6		None	PR 35-142
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Methomyl	0.705	µg/L	=	0.05	0.07	1.07	PR 65.9		None	PR 23-152
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Oxamyl	0.581	µg/L	=	0.2	0.4	1.07	PR 54.3		None	PR 10-117
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	76.7	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	2.00	06/18/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	74.8	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	76	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	2.00	06/18/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	94.8	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	06/18/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	93.2	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 619	Atrazine	2.9	µg/L	=	0.07	0.5	5	PR 58.0		None	PR 39-156
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Azinphos methyl	1.2	µg/L	=	0.02	0.1	1	PR 120		None	PR 36-189
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Bifenthrin	0.156	µg/L	=	0.006	0.02	0.2	PR 78.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Chlorpyrifos	0.448	µg/L	=	0.003	0.02	0.5	PR 89.6		None	PR 61-125
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 619	Cyanazine	4.07	µg/L	=	0.09	0.5	5	PR 81.4		None	PR 22-172
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Cyfluthrin, total	0.212	µg/L	=	0.003	0.03	0.2	PR 106		None	PR 53-125
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.197	µg/L	=	0.001	0.02	0.2	PR 98.5		None	PR 62-104
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Cypermethrin, total	0.971	µg/L	=	0.004	0.05	1	PR 97.1		None	PR 55-107
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	DDD (p,p')	0.316	µg/L	=	0.003	0.01	0.3	PR 105		None	PR 38-135
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	DDE (p,p')	0.283	µg/L	=	0.004	0.01	0.3	PR 94.3		None	PR 21-134
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	DDT (p,p')	0.351	µg/L	=	0.007	0.01	0.3	PR 117		None	PR 18-145
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	98.7	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Diazinon	0.483	µg/L	=	0.004	0.02	0.5	PR 96.6		None	PR 57-130

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Dicofol	0.187	µg/L	=	0.01	0.1	0.2	PR 93.5		None	PR 40-135
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Dieldrin	0.318	µg/L	=	0.005	0.01	0.3	PR 106		None	PR 48-121
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Dimethoate	0.518	µg/L	=	0.08	0.1	0.5	PR 104		None	PR 68-202
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Disulfoton	0.31	µg/L	=	0.02	0.1	0.5	PR 62.0		None	PR 47-117
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Endrin	0.308	µg/L	=	0.007	0.01	0.3	PR 103		None	PR 24-143
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.199	µg/L	=	0.002	0.02	0.2	PR 99.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Malathion	0.383	µg/L	=	0.05	0.1	0.5	PR 76.6		None	PR 47-125
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Methidathion	1.27	µg/L	=	0.04	0.1	1	PR 127		None	PR 50-150
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Methoxychlor	0.341	µg/L	=	0.008	0.01	0.3	PR 114		None	PR 30-163
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Molinate	2.67	µg/L	=	0.13	0.5	2.5	PR 107		None	PR 50-150
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Parathion, Methyl	0.345	µg/L	=	0.075	0.1	0.5	PR 69.0		None	PR 55-164
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Permethrin, total	0.164	µg/L	=	0.009	0.02	0.2	PR 82.0		None	PR 24-166
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Phorate	0.407	µg/L	=	0.072	0.1	0.5	PR 81.4		None	PR 44-117
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Phosmet	0.556	µg/L	=	0.06	0.2	0.5	PR 111		None	PR 50-150
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 619	Simazine	3.09	µg/L	=	0.08	0.5	5	PR 61.8		None	PR 21-179
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	40.7	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Thiobencarb	2.86	µg/L	=	0.06	0.5	2.5	PR 114		None	PR 50-150
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 619	Tributylphosphate (Surrogate)	106	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	104	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	90.4	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	06/19/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	93.3	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	06/20/08	00:00	EPA 549.2M	Paraquat dichloride	1.61	µg/L	=	0.21	0.4	2	PR 80.5		A holding time violation has occurred.	PR 43-102
Laboratory QA Samples	LCS	1.00	06/21/08	00:00	EPA 547M	Glyphosate	53.99	µg/L	=	4	5	50	PR 108		None	PR 72-131
Laboratory QA Samples	LCS	2.00	06/21/08	00:00	EPA 547M	Glyphosate	53.98	µg/L	=	4	5	50	PR 108	RPD 0.026	None	PR 72-131 RPD <25

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	06/23/08	00:00	EPA 549.2M	Paraquat dichloride	1.09	µg/L	=	0.21	0.4	2	PR 54.5		A holding time violation has occurred.	PR 43-102
Laboratory QA Samples	LCS	1.00	06/24/08	00:00	EPA 549.2M	Paraquat dichloride	1.62	µg/L	=	0.21	0.4	2	PR 81.0		None	PR 43-102
Laboratory QA Samples	LCS	1.00	06/26/08	00:00	EPA 549.2M	Paraquat dichloride	1.79	µg/L	=	0.21	0.4	2	PR 89.5		None	PR 43-102
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Aldicarb	0.792	µg/L	=	0.2	0.4	1.07	PR 74.0		None	PR 31-133
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Carbaryl	0.951	µg/L	=	0.05	0.07	1.07	PR 88.9		None	PR 44-133
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Carbofuran	0.869	µg/L	=	0.05	0.07	1.07	PR 81.2		None	PR 36-165
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Diuron	0.892	µg/L	=	0.2	0.4	1.07	PR 83.4		None	PR 52-136
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Linuron	0.86	µg/L	=	0.2	0.4	1.07	PR 80.4		None	PR 49-144
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8141A	Methamidophos	0.343	µg/L	=	0.01	0.2	0.5	PR 68.6		None	PR 40-135
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Methiocarb	0.926	µg/L	=	0.2	0.4	1.07	PR 86.5		None	PR 35-142
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Methomyl	0.701	µg/L	=	0.05	0.07	1.07	PR 65.5		None	PR 23-152
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Oxamyl	0.556	µg/L	=	0.2	0.4	1.07	PR 52.0		None	PR 10-117
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	111	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	71	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	06/30/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	105	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 619	Atrazine	5.95	µg/L	=	0.07	0.5	5	PR 119		None	PR 39-156
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Azinphos methyl	1.17	µg/L	=	0.02	0.1	1	PR 117		None	PR 36-189
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Bifenthrin	0.15	µg/L	=	0.006	0.02	0.2	PR 75.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Chlorpyrifos	0.411	µg/L	=	0.003	0.02	0.5	PR 82.2		None	PR 61-125
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 619	Cyanazine	5.76	µg/L	=	0.09	0.5	5	PR 115		None	PR 22-172
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Cyfluthrin, total	0.206	µg/L	=	0.003	0.03	0.2	PR 103		None	PR 53-125
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.19	µg/L	=	0.001	0.02	0.2	PR 95.0		None	PR 62-104
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Cypermethrin, total	0.932	µg/L	=	0.004	0.05	1	PR 93.2		None	PR 55-107
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	DDD (p,p')	0.275	µg/L	=	0.003	0.01	0.3	PR 91.7		None	PR 38-135
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	DDE (p,p')	0.268	µg/L	=	0.004	0.01	0.3	PR 89.3		None	PR 21-134

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	DDT (p,p')	0.319	µg/L	=	0.007	0.01	0.3	PR 106		None	PR 18-145
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	86.3	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Diazinon	0.425	µg/L	=	0.004	0.02	0.5	PR 85.0		None	PR 57-130
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Dicofol	0.171	µg/L	=	0.01	0.1	0.2	PR 85.5		None	PR 40-135
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Dieldrin	0.273	µg/L	=	0.005	0.01	0.3	PR 91.0		None	PR 48-121
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Dimethoate	0.34	µg/L	=	0.08	0.1	0.5	PR 68.0		None	PR 68-202
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Disulfoton	0.405	µg/L	=	0.02	0.1	0.5	PR 81.0		None	PR 47-117
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Endrin	0.286	µg/L	=	0.007	0.01	0.3	PR 95.3		None	PR 24-143
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.2	µg/L	=	0.002	0.02	0.2	PR 100		None	PR 52-117
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Malathion	0.496	µg/L	=	0.05	0.1	0.5	PR 99.2		None	PR 47-125
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Methidathion	2.55	µg/L	=	0.04	0.1	2	PR 127		None	PR 50-150
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Methoxychlor	0.303	µg/L	=	0.008	0.01	0.3	PR 101		None	PR 30-163
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Molinate	5.64	µg/L	=	0.13	0.5	5	PR 113		None	PR 50-150
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Parathion, Methyl	0.39	µg/L	=	0.075	0.1	0.5	PR 78.0		None	PR 55-164
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Permethrin, total	0.159	µg/L	=	0.009	0.02	0.2	PR 79.5		None	PR 24-166
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Phorate	0.382	µg/L	=	0.072	0.1	0.5	PR 76.4		None	PR 44-117
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Phosmet	1.08	µg/L	=	0.06	0.2	1	PR 108		None	PR 50-150
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 619	Simazine	8.04	µg/L	=	0.08	0.5	5	PR 161		None	PR 21-179
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	47.3	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Thiobencarb	5.98	µg/L	=	0.06	0.5	5	PR 120		None	PR 50-150
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 619	Tributylphosphate (Surrogate)	89.6	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	93.8	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	82.3	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	07/01/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	82.5	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	07/10/08	00:00	EPA 8141A	Chlorpyrifos	0.423	µg/L	=	0.003	0.02	0.5	PR 84.6		None	PR 61-125

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Laboratory QA Samples	LCS	2.00	07/10/08	00:00	EPA 8141A	Chlorpyrifos	0.378	µg/L	=	0.003	0.02	0.5	PR 75.6	RPD 11.2	None	PR 61-125 RPD <25
Laboratory QA Samples	LCS	2.00	07/10/08	00:00	EPA 547M	Glyphosate	51.73	µg/L	=	4	5	50	PR 103	RPD 2.6	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	07/10/08	00:00	EPA 547M	Glyphosate	53.1	µg/L	=	4	5	50	PR 106		None	PR 72-131
Laboratory QA Samples	LCS	2.00	07/10/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	90.4	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	07/10/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	100	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	2.00	07/10/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	71.7	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	07/10/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	74.1	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Bifenthrin	0.151	µg/L	=	0.006	0.02	0.2	PR 75.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Cyfluthrin, total	0.161	µg/L	=	0.003	0.03	0.2	PR 80.5		None	PR 53-125
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.271	µg/L	=	0.001	0.02	0.3	PR 90.3		None	PR 62-104
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Cypermethrin, total	0.805	µg/L	=	0.004	0.05	1	PR 80.5		None	PR 55-107
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	DDD (p,p')	0.309	µg/L	=	0.003	0.01	0.3	PR 103		None	PR 38-135
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	DDE (p,p')	0.323	µg/L	=	0.004	0.01	0.3	PR 108		None	PR 21-134
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	DDT (p,p')	0.378	µg/L	=	0.007	0.01	0.3	PR 126		None	PR 18-145
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	89.7	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Dicofol	0.116	µg/L	=	0.01	0.1	0.2	PR 58.0		None	PR 40-135
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Dieldrin	0.352	µg/L	=	0.005	0.01	0.3	PR 117		None	PR 48-121
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Endrin	0.311	µg/L	=	0.007	0.01	0.3	PR 104		None	PR 24-143
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.157	µg/L	=	0.002	0.02	0.2	PR 78.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Methoxychlor	0.336	µg/L	=	0.008	0.01	0.3	PR 112		None	PR 30-163
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Permethrin, total	0.186	µg/L	=	0.009	0.02	0.2	PR 93.0		None	PR 24-166
Laboratory QA Samples	LCS	1.00	07/28/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	81.7	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Aldicarb	0.778	µg/L	=	0.2	0.4	1.07	PR 72.7		None	PR 31-133
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 619	Atrazine	3.62	µg/L	=	0.07	0.5	5	PR 72.4		None	PR 39-156

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Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Azinphos methyl	0.794	µg/L	=	0.02	0.1	1	PR 79.4		None	PR 36-189
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Carbaryl	0.896	µg/L	=	0.05	0.07	1.07	PR 83.7		None	PR 44-133
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Carbofuran	0.696	µg/L	=	0.05	0.07	1.07	PR 65.0		None	PR 36-165
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Chlorpyrifos	0.433	µg/L	=	0.003	0.02	0.5	PR 86.6		None	PR 61-125
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 619	Cyanazine	4.29	µg/L	=	0.09	0.5	5	PR 85.8		None	PR 22-172
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Diazinon	0.502	µg/L	=	0.004	0.02	0.5	PR 100		None	PR 57-130
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Dimethoate	0.439	µg/L	=	0.08	0.1	0.5	PR 87.8		None	PR 68-202
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Disulfoton	0.426	µg/L	=	0.02	0.1	0.5	PR 85.2		None	PR 47-117
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Diuron	0.949	µg/L	=	0.2	0.4	1.07	PR 88.7		None	PR 52-136
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Linuron	0.862	µg/L	=	0.2	0.4	1.07	PR 80.6		None	PR 49-144
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Malathion	0.437	µg/L	=	0.05	0.1	0.5	PR 87.4		None	PR 47-125
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Methamidophos	0.267	µg/L	=	0.01	0.2	0.5	PR 53.4		None	PR 40-135
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Methidathion	1.97	µg/L	=	0.04	0.1	2	PR 98.5		None	PR 50-150
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Methiocarb	0.696	µg/L	=	0.2	0.4	1.07	PR 65.0		None	PR 35-142
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Methomyl	1.38	µg/L	=	0.05	0.07	1.07	PR 129		None	PR 23-152
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Molinate	4.48	µg/L	=	0.13	0.5	5	PR 89.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Oxamyl	0.481	µg/L	=	0.2	0.4	1.07	PR 45.0		None	PR 10-117
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 549.2M	Paraquat dichloride	287	µg/L	=	0.21	0.4	200	PR 144		LCS is outside of acceptance limits	PR 43-102
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Parathion, Methyl	0.402	µg/L	=	0.075	0.1	0.5	PR 80.4		None	PR 55-164
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Phorate	0.537	µg/L	=	0.072	0.1	0.5	PR 107		None	PR 44-117
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Phosmet	0.847	µg/L	=	0.06	0.2	1	PR 84.7		None	PR 50-150
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 619	Simazine	0.52	µg/L	=	0.08	0.5	1	PR 52.0		None	PR 21-179
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Thiobencarb	4.29	µg/L	=	0.06	0.5	5	PR 85.8		None	PR 50-150
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	67	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	98	%	=	NA	NA	100			None	PR 60-150

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Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 619	Tributylphosphate (Surrogate)	105	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	65.5	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	75.2	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	100	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	07/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	94.4	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Aldicarb	0.584	µg/L	=	0.2	0.4	1.07	PR 54.6		None	PR 31-133
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Carbaryl	0.722	µg/L	=	0.05	0.07	1.07	PR 67.5		None	PR 44-133
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Carbofuran	0.521	µg/L	=	0.05	0.07	1.07	PR 48.7		None	PR 36-165
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Diuron	0.789	µg/L	=	0.2	0.4	1.07	PR 73.7		None	PR 52-136
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Linuron	0.727	µg/L	=	0.2	0.4	1.07	PR 67.9		None	PR 49-144
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Methiocarb	0.685	µg/L	=	0.2	0.4	1.07	PR 64.0		None	PR 35-142
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Methomyl	1.41	µg/L	=	0.05	0.07	1.07	PR 132		None	PR 23-152
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Oxamyl	0.47	µg/L	=	0.2	0.4	1.07	PR 43.9		None	PR 10-117
Laboratory QA Samples	LCS	1.00	08/04/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	73	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 619	Atrazine	4.73	µg/L	=	0.07	0.5	5	PR 94.6		None	PR 39-156
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Azinphos methyl	4.28	µg/L	=	0.02	0.1	5	PR 85.6		None	PR 36-189
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Bifenthrin	0.174	µg/L	=	0.006	0.02	0.2	PR 87.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Chlorpyrifos	4.42	µg/L	=	0.003	0.02	15	PR 84.7		None	PR 61-125
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 619	Cyanazine	5.58	µg/L	=	0.09	0.5	5	PR 112		None	PR 22-172
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Cyfluthrin, total	0.2	µg/L	=	0.003	0.03	0.2	PR 100		None	PR 53-125
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.318	µg/L	=	0.001	0.02	0.3	PR 106		LCS is outside of acceptance limits. MS/DMS are accept., no corr.	PR 62-104
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Cypermethrin, total	0.935	µg/L	=	0.004	0.05	1	PR 93.5		None	PR 55-107
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	DDD (p,p')	0.315	µg/L	=	0.003	0.01	0.3	PR 105		None	PR 38-135
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	DDE (p,p')	0.35	µg/L	=	0.004	0.01	0.3	PR 117		None	PR 21-134

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	DDT (p,p')	0.375	µg/L	=	0.007	0.01	0.3	PR 125		None	PR 18-145
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	86	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Diazinon	4.24	µg/L	=	0.004	0.02	5	PR 84.8		None	PR 57-130
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Dicofol	0.139	µg/L	=	0.01	0.1	0.2	PR 69.5		None	PR 40-135
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Dieldrin	0.37	µg/L	=	0.005	0.01	0.3	PR 123		LCS is outside of acceptance limits	PR 48-121
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Dimethoate	4.39	µg/L	=	0.08	0.1	5	PR 87.8		None	PR 68-202
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Disulfoton	4.21	µg/L	=	0.02	0.1	5	PR 84.2		None	PR 47-117
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Endrin	0.343	µg/L	=	0.007	0.01	0.3	PR 114		None	PR 24-143
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.181	µg/L	=	0.002	0.02	0.2	PR 90.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 547M	Glyphosate	56.12	µg/L	=	4	5	50	PR 112		None	PR 72-131
Laboratory QA Samples	LCS	2.00	08/05/08	00:00	EPA 547M	Glyphosate	57.64	µg/L	=	4	5	50	PR 115	RPD 2.7	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 547M	Glyphosate	51.97	µg/L	=	4	5	50	PR 104		None	PR 72-131
Laboratory QA Samples	LCS	2.00	08/05/08	00:00	EPA 547M	Glyphosate	51.6	µg/L	=	4	5	50	PR 103	RPD 0.71	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Malathion	12.7	µg/L	=	0.05	0.1	15	PR 84.7		None	PR 47-125
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Methamidophos	0.223	µg/L	=	0.01	0.2	0.5	PR 44.6		None	PR 40-135
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Methidathion	4.81	µg/L	=	0.04	0.1	5	PR 96.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Methoxychlor	0.298	µg/L	=	0.008	0.01	0.3	PR 99.3		None	PR 30-163
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Molinate	4.18	µg/L	=	0.13	0.5	5	PR 83.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 549.2M	Paraquat dichloride	17.1	µg/L	=	0.21	0.4	12	PR 143		LCS is outside of acceptance limits	PR 43-102
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Parathion, Methyl	4.7	µg/L	=	0.075	0.1	5	PR 94.0		None	PR 55-164
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Permethrin, total	0.193	µg/L	=	0.009	0.02	0.2	PR 96.5		None	PR 24-166
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Phorate	4.2	µg/L	=	0.072	0.1	5	PR 84.0		None	PR 44-117
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Phosmet	4.84	µg/L	=	0.06	0.2	5	PR 96.8		None	PR 50-150
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 619	Simazine	4.63	µg/L	=	0.08	0.5	5	PR 92.6		None	PR 21-179
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	83.7	%	=	NA	NA	100			None	PR 15-98

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Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Thiobencarb	4.28	µg/L	=	0.06	0.5	5	PR 85.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 619	Tributylphosphate (Surrogate)	84.8	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	84.8	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	61.4	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	73.4	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	92.2	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	08/05/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	92.2	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	08/11/08	00:00	EPA 8141A	Chlorpyrifos	4.46	µg/L	=	0.003	0.02	5	PR 89.2		None	PR 61-125
Laboratory QA Samples	LCS	2.00	08/11/08	00:00	EPA 8141A	Chlorpyrifos	4.45	µg/L	=	0.003	0.02	5	PR 89.0	RPD 0.22	None	PR 61-125 RPD <25
Laboratory QA Samples	LCS	1.00	08/11/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	2.00	08/11/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	83.6	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	08/11/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	106	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	2.00	08/11/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	97.6	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 619	Atrazine	4.29	µg/L	=	0.07	0.5	5	PR 85.8		None	PR 39-156
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Azinphos methyl	5.11	µg/L	=	0.02	0.1	5	PR 102		None	PR 36-189
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Bifenthrin	0.153	µg/L	=	0.006	0.02	0.2	PR 76.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Chlorpyrifos	8.84	µg/L	=	0.003	0.02	10	PR 88.4		None	PR 61-125
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 619	Cyanazine	5.4	µg/L	=	0.09	0.5	5	PR 108		None	PR 22-172
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Cyfluthrin, total	0.179	µg/L	=	0.003	0.03	0.2	PR 89.5		None	PR 53-125
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.181	µg/L	=	0.001	0.02	0.2	PR 90.5		None	PR 62-104
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Cypermethrin, total	0.873	µg/L	=	0.004	0.05	1	PR 87.3		None	PR 55-107
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	DDD (p,p')	0.307	µg/L	=	0.003	0.01	0.3	PR 102		None	PR 38-135
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	DDE (p,p')	0.338	µg/L	=	0.004	0.01	0.3	PR 113		None	PR 21-134
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	DDT (p,p')	0.364	µg/L	=	0.007	0.01	0.3	PR 121		None	PR 18-145

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	68.7	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Diazinon	4.05	µg/L	=	0.004	0.02	5	PR 81.0		None	PR 57-130
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Dicofol	0.169	µg/L	=	0.01	0.1	0.2	PR 84.5		None	PR 40-135
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Dieldrin	0.334	µg/L	=	0.005	0.01	0.3	PR 111		None	PR 48-121
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Dimethoate	4.02	µg/L	=	0.08	0.1	5	PR 80.4		None	PR 68-202
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Disulfoton	3.83	µg/L	=	0.02	0.1	5	PR 76.6		None	PR 47-117
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Endrin	0.37	µg/L	=	0.007	0.01	0.3	PR 123		None	PR 24-143
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.173	µg/L	=	0.002	0.02	0.2	PR 86.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Malathion	4.24	µg/L	=	0.05	0.1	5	PR 84.8		None	PR 47-125
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Methidathion	4.81	µg/L	=	0.04	0.1	5	PR 96.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Methoxychlor	0.336	µg/L	=	0.008	0.01	0.3	PR 112		None	PR 30-163
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Molinate	3.74	µg/L	=	0.13	0.5	5	PR 74.8		None	PR 50-150
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Parathion, Methyl	3.99	µg/L	=	0.075	0.1	5	PR 79.8		None	PR 55-164
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Permethrin, total	0.145	µg/L	=	0.009	0.02	0.2	PR 72.5		None	PR 24-166
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Phorate	3.84	µg/L	=	0.072	0.1	5	PR 76.8		None	PR 44-117
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Phosmet	4.28	µg/L	=	0.06	0.2	5	PR 85.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 619	Simazine	3.97	µg/L	=	0.08	0.5	5	PR 79.4		None	PR 21-179
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8081A	Tetrachloro-m- xylene (Surrogate)	77	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Thiobencarb	3.93	µg/L	=	0.06	0.5	5	PR 78.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	81.4	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 619	Tributylphosphate (Surrogate)	81.4	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	94.6	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	08/25/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	94.6	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Aldicarb	1.19	µg/L	=	0.2	0.4	1.07	PR 111		None	PR 31-133
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Carbaryl	1.06	µg/L	=	0.05	0.07	1.07	PR 99.1		None	PR 44-133

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Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Carbofuran	0.878	µg/L	=	0.05	0.07	1.07	PR 82.1		None	PR 36-165
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Diuron	0.847	µg/L	=	0.2	0.4	1.07	PR 79.2		None	PR 52-136
Laboratory QA Samples	LCS	2.00	08/26/08	00:00	EPA 547M	Glyphosate	53.96	µg/L	=	4	5	50	PR 108	RPD 4.7	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 547M	Glyphosate	51.49	µg/L	=	4	5	50	PR 103		None	PR 72-131
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Linuron	1.03	µg/L	=	0.2	0.4	1.07	PR 96.3		None	PR 49-144
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8141A	Methamidophos	0.279	µg/L	=	0.01	0.2	0.5	PR 55.8		None	PR 40-135
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Methiocarb	0.921	µg/L	=	0.2	0.4	1.07	PR 86.1		None	PR 35-142
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Methomyl	1.41	µg/L	=	0.05	0.07	1.07	PR 132		None	PR 23-152
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Oxamyl	0.488	µg/L	=	0.2	0.4	1.07	PR 45.6		None	PR 10-117
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 549.2M	Paraquat dichloride	14.2	µg/L	=	0.21	0.4	12	PR 118		LCS is outside of acceptance limits	PR 43-102
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	105	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	95.5	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	08/26/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	95	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	08/29/08	00:00	EPA 8141A	Methamidophos	0.237	µg/L	=	0.01	0.2	0.5	PR 47.4		None	PR 40-135
Laboratory QA Samples	LCS	1.00	08/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	78.2	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	08/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	66.6	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Aldicarb	0.996	µg/L	=	0.2	0.4	1.07	PR 93.1		None	PR 31-133
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 619	Atrazine	5.2	µg/L	=	0.07	0.5	5	PR 104		None	PR 39-156
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Azinphos methyl	4.54	µg/L	=	0.02	0.1	5	PR 90.8		None	PR 36-189
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Bifenthrin	0.141	µg/L	=	0.006	0.02	0.2	PR 70.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Carbaryl	0.887	µg/L	=	0.05	0.07	1.07	PR 82.9		None	PR 44-133
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Carbofuran	0.89	µg/L	=	0.05	0.07	1.07	PR 83.2		None	PR 36-165
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Chlorpyrifos	8.67	µg/L	=	0.003	0.02	10	PR 86.7		None	PR 61-125
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 619	Cyanazine	3.32	µg/L	=	0.09	0.5	5	PR 66.4		None	PR 22-172
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Cyfluthrin, total	0.175	µg/L	=	0.003	0.03	0.2	PR 87.5		None	PR 53-125

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.167	µg/L	=	0.001	0.02	0.2	PR 83.5		None	PR 62-104
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Cypermethrin, total	0.808	µg/L	=	0.004	0.05	1	PR 80.8		None	PR 55-107
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	DDD (p,p')	0.222	µg/L	=	0.003	0.01	0.3	PR 74.0		None	PR 38-135
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	DDE (p,p')	0.267	µg/L	=	0.004	0.01	0.3	PR 89.0		None	PR 21-134
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	DDT (p,p')	0.281	µg/L	=	0.007	0.01	0.3	PR 93.7		None	PR 18-145
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	63.7	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Diazinon	4.59	µg/L	=	0.004	0.02	5	PR 91.8		None	PR 57-130
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Dicofol	0.176	µg/L	=	0.01	0.1	0.2	PR 88.0		None	PR 40-135
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Dieldrin	0.275	µg/L	=	0.005	0.01	0.3	PR 91.7		None	PR 48-121
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Dimethoate	4.58	µg/L	=	0.08	0.1	5	PR 91.6		None	PR 68-202
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Disulfoton	4.46	µg/L	=	0.02	0.1	5	PR 89.2		None	PR 47-117
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Diuron	0.791	µg/L	=	0.2	0.4	1.07	PR 73.9		None	PR 52-136
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Endrin	0.278	µg/L	=	0.007	0.01	0.3	PR 92.7		None	PR 24-143
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.157	µg/L	=	0.002	0.02	0.2	PR 78.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Linuron	0.996	µg/L	=	0.2	0.4	1.07	PR 93.1		None	PR 49-144
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Malathion	4.55	µg/L	=	0.05	0.1	5	PR 91.0		None	PR 47-125
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Methidathion	4.8	µg/L	=	0.04	0.1	5	PR 96.0		None	PR 50-150
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Methiocarb	0.813	µg/L	=	0.2	0.4	1.07	PR 76.0		None	PR 35-142
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Methomyl	1.51	µg/L	=	0.05	0.07	1.07	PR 141		None	PR 23-152
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Methoxychlor	0.261	µg/L	=	0.008	0.01	0.3	PR 87.0		None	PR 30-163
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Molinate	3.7	µg/L	=	0.13	0.5	5	PR 74.0		None	PR 50-150
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Oxamyl	0.683	µg/L	=	0.2	0.4	1.07	PR 63.8		None	PR 10-117
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 549.2M	Paraquat dichloride	13.8	µg/L	=	0.21	0.4	12	PR 115		LCS is outside of acceptance limits	PR 43-102
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Parathion, Methyl	4.45	µg/L	=	0.075	0.1	5	PR 89.0		None	PR 55-164
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Permethrin, total	0.144	µg/L	=	0.009	0.02	0.2	PR 72.0		None	PR 24-166

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Phorate	4.25	µg/L	=	0.072	0.1	5	PR 85.0		None	PR 44-117
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Phosmet	4.31	µg/L	=	0.06	0.2	5	PR 86.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 619	Simazine	4.74	µg/L	=	0.08	0.5	5	PR 94.8		None	PR 21-179
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	69	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Thiobencarb	4.14	µg/L	=	0.06	0.5	5	PR 82.8		None	PR 50-150
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	76.7	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 619	Tributylphosphate (Surrogate)	89	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	89	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	91.2	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	09/02/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	91.2	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	2.00	09/05/08	00:00	EPA 547M	Glyphosate	46.93	µg/L	=	4	5	50	PR 93.9	RPD 5.1	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	09/05/08	00:00	EPA 547M	Glyphosate	49.37	µg/L	=	4	5	50	PR 98.7		None	PR 72-131
Laboratory QA Samples	LCS	1.00	09/16/08	00:00	EPA 8141A	Chlorpyrifos	8.55	µg/L	=	0.003	0.02	10	PR 85.5		None	PR 61-125
Laboratory QA Samples	LCS	1.00	09/16/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	85.8	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	09/16/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	91	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Aldicarb	0.945	µg/L	=	0.2	0.4	1.07	PR 88.3		None	PR 31-133
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Bifenthrin	0.121	µg/L	=	0.006	0.02	0.2	PR 60.5		None	PR 52-117
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Carbaryl	0.846	µg/L	=	0.05	0.07	1.07	PR 79.1		None	PR 44-133
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Carbofuran	0.916	µg/L	=	0.05	0.07	1.07	PR 85.6		None	PR 36-165
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Cyfluthrin, total	0.145	µg/L	=	0.003	0.03	0.2	PR 72.5		None	PR 53-125
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.143	µg/L	=	0.001	0.02	0.2	PR 71.5		None	PR 62-104
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Cypermethrin, total	0.713	µg/L	=	0.004	0.05	1	PR 71.3		None	PR 55-107
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	DDD (p,p')	0.321	µg/L	=	0.003	0.01	0.3	PR 107		None	PR 38-135
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	DDE (p,p')	0.315	µg/L	=	0.004	0.01	0.3	PR 105		None	PR 21-134

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	DDT (p,p')	0.334	µg/L	=	0.007	0.01	0.3	PR 111		None	PR 18-145
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	59	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Dicofol	0.193	µg/L	=	0.01	0.1	0.2	PR 96.5		None	PR 40-135
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Dieldrin	0.312	µg/L	=	0.005	0.01	0.3	PR 104		None	PR 48-121
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Diuron	1.04	µg/L	=	0.2	0.4	1.07	PR 97.2		None	PR 52-136
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Endrin	0.32	µg/L	=	0.007	0.01	0.3	PR 107		None	PR 24-143
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Esfenvalerate/Fenvalerate, total	0.138	µg/L	=	0.002	0.02	0.2	PR 69.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Linuron	0.892	µg/L	=	0.2	0.4	1.07	PR 83.4		None	PR 49-144
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Methiocarb	0.841	µg/L	=	0.2	0.4	1.07	PR 78.6		None	PR 35-142
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Methomyl	0.785	µg/L	=	0.05	0.07	1.07	PR 73.4		None	PR 23-152
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Methoxychlor	0.3	µg/L	=	0.008	0.01	0.3	PR 100		None	PR 30-163
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Oxamyl	0.764	µg/L	=	0.2	0.4	1.07	PR 71.4		None	PR 10-117
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 549.2M	Paraquat dichloride	10.4	µg/L	=	0.21	0.4	12	PR 86.7		None	PR 43-102
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Permethrin, total	0.124	µg/L	=	0.009	0.02	0.2	PR 62.0		None	PR 24-166
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	62.3	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	09/26/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	73.2	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 619	Atrazine	2.11	µg/L	=	0.07	0.5	2.5	PR 84.4		None	PR 39-156
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Azinphos methyl	1.88	µg/L	=	0.02	0.1	2.5	PR 75.2		None	PR 36-189
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Chlorpyrifos	4.39	µg/L	=	0.003	0.02	5	PR 87.8		None	PR 61-125
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 619	Cyanazine	4.01	µg/L	=	0.09	0.5	2.5	PR 160		None	PR 22-172
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Diazinon	2.21	µg/L	=	0.004	0.02	2.5	PR 88.4		None	PR 57-130
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Dimethoate	2.33	µg/L	=	0.08	0.1	2.5	PR 93.2		None	PR 68-202
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Disulfoton	2.08	µg/L	=	0.02	0.1	2.5	PR 83.2		None	PR 47-117
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Malathion	2.22	µg/L	=	0.05	0.1	2.5	PR 88.8		None	PR 47-125
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Methamidophos	0.3	µg/L	=	0.08	0.2	0.5	PR 60.0		None	PR 40-135

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Methidathion	2.28	µg/L	=	0.04	0.1	2.5	PR 91.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Molinate	1.69	µg/L	=	0.13	0.5	2.5	PR 67.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Parathion, Methyl	2.06	µg/L	=	0.075	0.1	2.5	PR 82.4		None	PR 55-164
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Phorate	2.03	µg/L	=	0.072	0.1	2.5	PR 81.2		None	PR 44-117
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Phosmet	2.59	µg/L	=	0.06	0.2	2.5	PR 104		None	PR 50-150
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 619	Simazine	2.06	µg/L	=	0.08	0.5	2.5	PR 82.4		None	PR 21-179
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Thiobencarb	1.58	µg/L	=	0.06	0.5	2.5	PR 63.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 619	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	92.4	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	88	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	92.8	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	84.2	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	09/29/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	92.8	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Aldicarb	0.781	µg/L	=	0.2	0.4	1.07	PR 73.0		None	PR 31-133
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 619	Atrazine	1.99	µg/L	=	0.07	0.5	2.5	PR 79.6		None	PR 39-156
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Azinphos methyl	2.24	µg/L	=	0.02	0.1	2.5	PR 89.6		None	PR 36-189
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Bifenthrin	0.132	µg/L	=	0.006	0.02	0.2	PR 66.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Carbaryl	0.853	µg/L	=	0.05	0.07	1.07	PR 79.7		None	PR 44-133
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Carbofuran	1	µg/L	=	0.05	0.07	1.07	PR 93.5		None	PR 36-165
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Chlorpyrifos	4.8	µg/L	=	0.003	0.02	5	PR 96.0		None	PR 61-125
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 619	Cyanazine	3.5	µg/L	=	0.09	0.5	2.5	PR 140		None	PR 22-172
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Cyfluthrin, total	0.186	µg/L	=	0.003	0.03	0.2	PR 93.0		None	PR 53-125
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Cyhalothrin, lambda, total	0.165	µg/L	=	0.001	0.02	0.2	PR 82.5		None	PR 62-104
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Cypermethrin, total	0.826	µg/L	=	0.004	0.05	1	PR 82.6		None	PR 55-107
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	DDD (p,p')	0.417	µg/L	=	0.003	0.01	0.68	PR 61.3		None	PR 38-135

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	DDE (p,p')	0.393	µg/L	=	0.004	0.01	0.7	PR 56.1		None	PR 21-134
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	DDT (p,p')	0.45	µg/L	=	0.007	0.01	0.739	PR 60.9		None	PR 18-145
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Decachlorobiphenyl (Surrogate)	58	%	=	NA	NA	100			None	PR 16-146
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Diazinon	2.39	µg/L	=	0.004	0.02	2.5	PR 95.6		None	PR 57-130
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Dicofol	0.136	µg/L	=	0.01	0.1	0.2	PR 68.0		None	PR 40-135
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Dieldrin	0.441	µg/L	=	0.005	0.01	0.722	PR 61.1		None	PR 48-121
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Dimethoate	2.18	µg/L	=	0.08	0.1	2.5	PR 87.2		None	PR 68-202
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Disulfoton	2.33	µg/L	=	0.02	0.1	2.5	PR 93.2		None	PR 47-117
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Diuron	0.832	µg/L	=	0.2	0.4	1.07	PR 77.8		None	PR 52-136
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Endrin	0.411	µg/L	=	0.007	0.01	0.604	PR 68.0		None	PR 24-143
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Esfenvalerate/ Fenvalerate, total	0.16	µg/L	=	0.002	0.02	0.2	PR 80.0		None	PR 52-117
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Linuron	0.813	µg/L	=	0.2	0.4	1.07	PR 76.0		None	PR 49-144
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Malathion	2.6	µg/L	=	0.05	0.1	2.5	PR 104		None	PR 47-125
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Methamidophos	0.3	µg/L	=	0.08	0.2	0.5	PR 60.0		None	PR 40-135
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Methidathion	2.44	µg/L	=	0.04	0.1	2.5	PR 97.6		None	PR 50-150
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Methiocarb	0.764	µg/L	=	0.2	0.4	1.07	PR 71.4		None	PR 35-142
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Methomyl	0.748	µg/L	=	0.05	0.07	1.07	PR 69.9		None	PR 23-152
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Methoxychlor	0.418	µg/L	=	0.008	0.01	0.586	PR 71.3		None	PR 30-163
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Molinate	1.98	µg/L	=	0.13	0.5	2.5	PR 79.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Oxamyl	0.668	µg/L	=	0.2	0.4	1.07	PR 62.4		None	PR 10-117
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 549.2M	Paraquat dichloride	12.5	µg/L	=	0.21	0.4	12	PR 104		LCS is outside of acceptance limits	PR 43-102
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Parathion, Methyl	2.45	µg/L	=	0.075	0.1	2.5	PR 98.0		None	PR 55-164
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Permethrin, total	0.145	µg/L	=	0.009	0.02	0.2	PR 72.5		None	PR 24-166
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Phorate	2.32	µg/L	=	0.072	0.1	2.5	PR 92.8		None	PR 44-117
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Phosmet	2.59	µg/L	=	0.06	0.2	2.5	PR 104		None	PR 50-150
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 619	Simazine	1.96	µg/L	=	0.08	0.5	2.5	PR 78.4		None	PR 21-179

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8081A	Tetrachloro-m-xylene (Surrogate)	76.7	%	=	NA	NA	100			None	PR 15-98
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Thiobencarb	1.98	µg/L	=	0.06	0.5	2.5	PR 79.2		None	PR 50-150
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	99.2	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Tributylphosphate (Surrogate)	60.2	%	=	NA	NA	100			None	PR 60-150
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8321A	Tributylphosphate (Surrogate)	63.9	%	=	NA	NA	100			None	PR 36-140
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 619	Tributylphosphate (Surrogate)	99.2	%	=	NA	NA	100			None	PR 62-145
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	58.2	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 8141A	Triphenyl phosphate (Surrogate)	96	%	=	NA	NA	100			None	PR 56-129
Laboratory QA Samples	LCS	1.00	10/02/08	00:00	EPA 619	Triphenyl phosphate (Surrogate)	96	%	=	NA	NA	100			None	PR 54-144
Laboratory QA Samples	LCS	2.00	10/10/08	00:00	EPA 547M	Glyphosate	49.16	µg/L	=	4	5	50	PR 98.3	RPD 4.4	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	2.00	10/10/08	00:00	EPA 547M	Glyphosate	50.17	µg/L	=	4	5	50	PR 100	RPD 0.48	None	PR 72-131 RPD <25
Laboratory QA Samples	LCS	1.00	10/10/08	00:00	EPA 547M	Glyphosate	47.04	µg/L	=	4	5	50	PR 94.1		None	PR 72-131
Laboratory QA Samples	LCS	1.00	10/10/08	00:00	EPA 547M	Glyphosate	50.41	µg/L	=	4	5	50	PR 101		None	PR 72-131

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**Table III -3. ESJWQC sample results including field blanks (FB), field duplicates (FD) and travel blanks (TB) for inorganic analysis including physical parameters, nutrients, metals and bacteria.**

Expected values for field duplicates are the associated environmental sample result. Samples are sorted by station name, sample type code, sample date, and analyte.

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 110.2	Color	<3	color units	ND	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 200.8	Copper	0.2	µg/L	DNQ	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 200.8	Lead	0.01	µg/L	DNQ	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 200.8	Nickel	0.09	µg/L	DNQ	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 365.2	Phosphate as P	0.023	mg/L	=	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1; Env sample=0.17
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 415.1	Total Organic Carbon	0.12	mg/L	DNQ	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FB	1.00	1.00	9/30/08	10:30	EPA 200.8	Zinc	1	µg/L	=	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	0.077	FD RPD NA	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 200.8	Arsenic	6	µg/L	=	0.07	0.5	5.8	FD RPD 3.38	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 200.8	Boron	31	µg/L	=	0.7	10	30	FD RPD 3.27	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 110.2	Color	90	color units	=	15	20	75	FD RPD 18.2	Analytes analyzed at a secondary dilution	RPD <25	DF=5
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 200.8	Copper	4.6	µg/L	=	0.07	0.5	4.5	FD RPD 2.19	None	RPD <25	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 160.1	Dissolved Solids	240	mg/L	=	4	10	250	FD RPD 4.08	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	2.00	9/30/08	10:30	SM 9223 B	E. coli	290	MPN/100 mL	=	1	1		Rlog 0.056	None	Rlog <1.3	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	SM 9223 B	E. coli	330	MPN/100 mL	=	1	1	110	RPD 100	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 130.2	Hardness as CaCO3	96	mg/L	=	3	5	90	FD RPD 6.45	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 200.8	Lead	0.99	µg/L	=	0.01	0.25	0.95	FD RPD 4.12	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 200.8	Nickel	4.4	µg/L	=	0.02	0.5	4.2	FD RPD 4.65	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 300.0	Nitrate as N	0.85	mg/L	=	0.01	0.05	0.81	FD RPD 4.82	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 354.1	Nitrite as N	0.031	mg/L	=	0.002	0.03	0.031	FD RPD 0	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.97	mg/L	=	0.06	0.1	1.1	FD RPD 12.56	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 365.2	OrthoPhosphate as P	0.098	mg/L	=	0.01	0.01	0.14	FD RPD 35.3	Field duplicate RPD above QC limit	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 365.2	Phosphate as P	0.17	mg/L	=	0.01	0.01	0.17	FD RPD 0	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 200.8	Selenium	0.13	µg/L	DNQ	0.11	1	0.55	FD RPD 124	Field duplicate RPD above QC limit	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 415.1	Total Organic Carbon	4.4	mg/L	=	0.1	0.5	4.4	FD RPD 0	None	RPD <25	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 180.1	Turbidity	34	NTU	=	0.04	0.1	39	FD RPD 13.7	Analytes analyzed at a secondary dilution	RPD <25	DF=2
Deadman Creek (Dutchman) @ Gurr Rd	FD	2.00	1.00	9/30/08	10:30	EPA 200.8	Zinc	10	µg/L	=	0.2	1	8	FD RPD 22.2	None	RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 200.8	Boron	1	µg/L	DNQ	0.7	10			None	<RL	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 200.8	Copper	0.4	µg/L	DNQ	0.07	0.5			None	<RL	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 200.8	Lead	0.01	µg/L	DNQ	0.01	0.25			None	<RL	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 200.8	Nickel	0.02	µg/L	DNQ	0.02	0.5			None	<RL	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1			None	<RL	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	TB	1.00	1.00	9/30/08	10:30	EPA 200.8	Zinc	0.6	µg/L	DNQ	0.2	1			None	<RL	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 350.2	Ammonia as N	0.088	mg/L	DNQ	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1; Env sample=ND
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1; Env sample=31
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 110.2	Color	4	color units	=	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1; Env sample=20

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.13	mg/L	=	0.06	0.1	<0.1		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1; Env sample=0.32
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 200.8	Selenium	0.35	µg/L	DNQ	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1; Env sample=0.14
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 415.1	Total Organic Carbon	0.39	mg/L	DNQ	0.3	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1; Env sample=4.5
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 180.1	Turbidity	0.07	NTU	=	0.03	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1; Env sample=3.9
Dry Creek @ Rd 18	FB	1.00	1.00	4/29/08	12:00	EPA 200.8	Zinc	0.7	µg/L	DNQ	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1; Env sample=3
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 200.8	Boron	3	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 110.2	Color	<3	color units	ND	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 200.8	Nickel	0.04	µg/L	DNQ	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 365.2	Phosphate as P	0.017	mg/L	=	0.01	0.01	<0.01		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 200.8	Selenium	0.26	µg/L	DNQ	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 415.1	Total Organic Carbon	0.43	mg/L	DNQ	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FB	1.00	1.00	8/26/08	12:30	EPA 200.8	Zinc	2	µg/L	=	0.2	1	<1		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 350.2	Ammonia as N	0.055	mg/L	DNQ	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 200.8	Arsenic	1.8	µg/L	=	0.07	0.5	1.8	FD RPD 0	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 200.8	Boron	31	µg/L	=	0.7	10	31	FD RPD 0	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 110.2	Color	33	color units	=	3	3	20	FD RPD 49	Field duplicate RPD above QC limit	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 200.8	Copper	6.9	µg/L	=	0.07	0.5	6.8	FD RPD 1.46	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 160.1	Dissolved Solids	47	mg/L	=	4	10	<4	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	2.00	4/29/08	12:00	SM 9223 B	E. coli	30	MPN/100 mL	=	1	1		Rlog 0.097	None	Rlog <1.3	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	SM 9223 B	E. coli	24	MPN/100 mL	=	1	1	37	RPD 42.6	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 130.2	Hardness as CaCO3	38	mg/L	=	3	5	26	FD RPD 37.5	Field duplicate RPD above QC limit	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 200.8	Lead	0.2	µg/L	DNQ	0.01	0.25	0.2	FD RPD 0	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 200.8	Nickel	0.5	µg/L	=	0.02	0.5	0.5	FD RPD 0	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.01	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03	<0.004	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	0.43	mg/L	=	0.06	0.1	0.32	FD RPD 29.3	Field duplicate RPD above QC limit	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 365.2	Phosphate as P	0.051	mg/L	=	0.01	0.01	0.041	FD RPD 21.7	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 200.8	Selenium	0.28	µg/L	DNQ	0.11	1	0.14	FD RPD 66.6	Field duplicate RPD above QC limit	RPD <25	DF=1

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Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 415.1	Total Organic Carbon	5	mg/L	=	0.3	0.5	4.5	FD RPD 10.5	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 180.1	Turbidity	4.2	NTU	=	0.03	0.05	3.9	FD RPD 7.4	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	4/29/08	12:00	EPA 200.8	Zinc	3	µg/L	=	0.2	1	3	FD RPD 0	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 200.8	Arsenic	1.4	µg/L	=	0.07	0.5	1.4	FD RPD 0	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 200.8	Boron	13	µg/L	=	0.7	10	13	FD RPD 0	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 110.2	Color	25	color units	=	3	3	25	FD RPD 0	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 200.8	Copper	4.8	µg/L	=	0.07	0.5	5.1	FD RPD 6.1	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 160.1	Dissolved Solids	26	mg/L	=	4	10	19	FD RPD 31.1	Field duplicate RPD above QC limit	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	SM 9223 B	E. coli	86	MPN/100 mL	=	1	1	62	RPD 32.4	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	2.00	8/26/08	12:30	SM 9223 B	E. coli	99	MPN/100 mL	=	1	1	Rlog 0.061		None	Rlog <1.3	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 130.2	Hardness as CaCO3	12	mg/L	=	3	5	10	FD RPD 18.2	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 200.8	Lead	0.3	µg/L	=	0.01	0.25	0.36	FD RPD 18.2	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 200.8	Nickel	0.4	µg/L	DNQ	0.02	0.5	0.5	FD RPD 22.2	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.01	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.002	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.2	mg/L	=	0.06	0.1	0.24	FD RPD 18.2	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01	FD RPD NA	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 365.2	Phosphate as P	0.043	mg/L	=	0.01	0.01	0.043	FD RPD 0	None	RPD <25	DF=1

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Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 200.8	Selenium	0.14	µg/L	DNQ	0.11	1	0.33	FD RPD 80.8	Field duplicate RPD above QC limit	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 415.1	Total Organic Carbon	2.4	mg/L	=	0.1	0.5	2.7	FD RPD 11.7	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 180.1	Turbidity	4.7	NTU	=	0.02	0.05	4.9	FD RPD 4.2	None	RPD <25	DF=1
Dry Creek @ Rd 18	FD	2.00	1.00	8/26/08	12:30	EPA 200.8	Zinc	8	µg/L	=	0.2	1	3	FD RPD 90.9	Field duplicate RPD above QC limit	RPD <25	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 200.8	Boron	0.7	µg/L	DNQ	0.7	10			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 200.8	Copper	1.1	µg/L	=	0.07	0.5			Analyte detected in method, trip, or equipment blank	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 200.8	Lead	0.02	µg/L	DNQ	0.01	0.25			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 200.8	Nickel	0.2	µg/L	DNQ	0.02	0.5			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	4/29/08	12:00	EPA 200.8	Zinc	0.8	µg/L	DNQ	0.2	1			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1			None	<RL	DF=1
Dry Creek @ Rd 18	TB	1.00	1.00	8/26/08	12:30	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1			None	<RL	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 110.2	Color	4	color units	=	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 160.1	Dissolved Solids	200	mg/L	=	4	10	<10		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1; Env sample = 170
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 300.0	Nitrate as N	0.34	mg/L	=	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 354.1	Nitrite as N	0.034	mg/L	=	0.004	0.03	<0.03		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1; Env sample = 0.04

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 365.2	OrthoPhosphate as P	0.032	mg/L	=	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 365.2	Phosphate as P	0.015	mg/L	=	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1; Env sample=0.61
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 200.8	Selenium	0.67	µg/L	DNQ	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 180.1	Turbidity	0.31	NTU	=	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FB	1.00	1.00	5/27/08	10:40	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 350.2	Ammonia as N	0.16	mg/L	=	0.04	0.1	0.2	FD RPD 22	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 200.8	Arsenic	3.5	µg/L	=	0.07	0.5	3.4	FD RPD 2.9	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 200.8	Boron	38	µg/L	=	0.7	10	37	FD RPD 2.7	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 200.8	Cadmium	0.06	µg/L	DNQ	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 110.2	Color	65	color units	=	15	20	70	FD RPD 7.4	Analytes analyzed at a secondary dilution	RPD <25	DF=5
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 200.8	Copper	7.3	µg/L	=	0.07	0.5	7.1	FD RPD 2.8	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 160.1	Dissolved Solids	170	mg/L	=	4	10	170	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	2.00	5/27/08	10:40	SM 9223 B	E. coli	160	MPN/100 mL	=	1	1		Rlog 0.097	None	Rlog <1.3	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	SM 9223 B	E. coli	200	MPN/100 mL	=	1	1	150	RPD 28.5	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 130.2	Hardness as CaCO3	120	mg/L	=	15	20	220	FD RPD 59	Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	RPD <25	DF=5

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Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 200.8	Lead	0.95	µg/L	=	0.01	0.25	0.95	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 200.8	Nickel	5.5	µg/L	=	0.02	0.5	5.4	FD RPD 1.8	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 300.0	Nitrate as N	1.7	mg/L	=	0.01	0.05	1.7	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 354.1	Nitrite as N	0.04	mg/L	=	0.004	0.03	0.04	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.91	mg/L	=	0.06	0.1	0.97	FD RPD 6.4	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 365.2	OrthoPhosphate as P	0.58	mg/L	=	0.01	0.01	0.58	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 365.2	Phosphate as P	0.6	mg/L	=	0.01	0.01	0.61	FD RPD 1.7	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 200.8	Selenium	0.95	µg/L	DNQ	0.11	1	1	FD RPD 5.1	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 415.1	Total Organic Carbon	5	mg/L	=	0.3	0.5	5	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 180.1	Turbidity	26	NTU	=	0.04	0.1	28	FD RPD 7.4	Analytes analyzed at a secondary dilution	RPD <25	DF=2
Duck Slough @ Gurr Rd	FD	2.00	1.00	5/27/08	10:40	EPA 200.8	Zinc	10	µg/L	=	0.2	1	10	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 200.8	Boron	3	µg/L	DNQ	0.7	10			None	<RL	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25			None	<RL	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5			None	<RL	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 200.8	Selenium	0.19	µg/L	DNQ	0.11	1			None	<RL	DF=1
Duck Slough @ Gurr Rd	TB	1.00	1.00	5/27/08	10:40	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1			None	<RL	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 200.8	Boron	4	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 110.2	Color	4	color units	=	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 200.8	Nickel	0.08	µg/L	DNQ	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.11	mg/L	=	0.06	0.1	<0.1		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1; Env sample = 0.077
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 365.2	Phosphate as P	0.01	mg/L	=	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 415.1	Total Organic Carbon	0.21	mg/L	DNQ	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 180.1	Turbidity	0.2	NTU	=	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Duck Slough @ Hwy 99	FB	1.00	1.00	6/24/08	15:20	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1

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Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	0.088	FD RPD NA	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 200.8	Arsenic	0.8	µg/L	=	0.07	0.5	0.8	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 200.8	Boron	7	µg/L	DNQ	0.7	10	9	FD RPD 25	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 110.2	Color	32	color units	=	6	6	26	FD RPD 21	Analytes analyzed at a secondary dilution	RPD <25	DF=2
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 200.8	Copper	2.7	µg/L	=	0.07	0.5	2.9	FD RPD 7.14	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 160.1	Dissolved Solids	12	mg/L	=	4	10	35	FD RPD 97.8	Field duplicate RPD above QC limit	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	2.00	6/24/08	15:20	SM 9223 B	E. coli	81	MPN/100 mL	=	1	1		Rlog 0.074	None	Rlog <1.3	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	SM 9223 B	E. coli	96	MPN/100 mL	=	1	1	93	RPD 3.17	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 130.2	Hardness as CaCO3	34	mg/L	=	3	5	44	FD RPD 25.6	Field duplicate RPD above QC limit	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 200.8	Lead	0.56	µg/L	=	0.01	0.25	0.53	FD RPD 5.5	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 200.8	Nickel	2.2	µg/L	=	0.02	0.5	2.4	FD RPD 8.6	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 300.0	Nitrate as N	0.14	mg/L	=	0.01	0.05	0.14	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 354.1	Nitrite as N	0.009	mg/L	DNQ	0.004	0.03	0.009	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.11	mg/L	=	0.06	0.1	0.077	FD RPD 35	Field duplicate RPD above QC limit	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 365.2	OrthoPhosphate as P	0.033	mg/L	=	0.01	0.01	0.03	FD RPD 9.5	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 365.2	Phosphate as P	0.1	mg/L	=	0.01	0.01	0.079	FD RPD 23.5	None	RPD <25	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	0.52	FD RPD NA	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 415.1	Total Organic Carbon	2.5	mg/L	=	0.1	0.5	2.6	FD RPD 3.92	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 180.1	Turbidity	16	NTU	=	0.02	0.05	16	FD RPD 0	None	RPD <25	DF=1
Duck Slough @ Hwy 99	FD	2.00	1.00	6/24/08	15:20	EPA 200.8	Zinc	5	µg/L	=	0.2	1	4	FD RPD 22	None	RPD <25	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 200.8	Boron	1	µg/L	DNQ	0.7	10			None	<RL	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 200.8	Copper	0.08	µg/L	DNQ	0.07	0.5			None	<RL	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 200.8	Lead	0.11	µg/L	DNQ	0.01	0.25			None	<RL	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 200.8	Nickel	0.1	µg/L	DNQ	0.02	0.5			None	<RL	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1			None	<RL	DF=1
Duck Slough @ Hwy 99	TB	1.00	1.00	6/24/08	15:20	EPA 200.8	Zinc	0.996	µg/L	DNQ	0.2	1			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 200.8	Arsenic	<0.03	µg/L	ND	0.03	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 200.8	Boron	2	µg/L	DNQ	0.2	10	<10		None	<RL or < (sample ÷ 5)	DF=1; Env sample=170
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 110.2	Color	<3	color units	ND	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 200.8	Copper	0.3	µg/L	DNQ	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1; Env sample=7.8
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1

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Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 200.8	Nickel	0.09	µg/L	DNQ	0.01	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1; Env sample=7
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 365.2	Phosphate as P	0.018	mg/L	=	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1; Env sample=0.89
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 200.8	Selenium	<0.22	µg/L	ND	0.22	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 415.1	Total Organic Carbon	1.2	mg/L	=	0.3	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1; Env sample=14
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 180.1	Turbidity	0.3	NTU	=	0.03	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1; Env sample=22
Hatch Drain @ Tuolumne Rd	FB	1.00	1.00	4/22/08	9:30	EPA 200.8	Zinc	1	µg/L	=	0.6	1	<1		None	<RL or < (sample ÷ 5)	DF=1; Env sample=29
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 350.2	Ammonia as N	0.19	mg/L	=	0.04	0.1	0.36	FD RPD 62	Field duplicate RPD above QC limit	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 200.8	Arsenic	17	µg/L	=	0.03	0.5	17	FD RPD NA	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 200.8	Boron	180	µg/L	=	0.2	10	170	FD RPD 5.7	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 200.8	Cadmium	0.07	µg/L	DNQ	0.02	0.1	0.07	FD RPD NA	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 110.2	Color	220	color units	=	15	20	220	FD RPD NA	Analytes analyzed at a secondary dilution	RPD <25	DF=5
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 200.8	Copper	7.8	µg/L	=	0.1	0.5	7.8	FD RPD NA	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 160.1	Dissolved Solids	830	mg/L	=	4	10	880	FD RPD 5.8	None	RPD <25	DF=1

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Hatch Drain @ Tuolumne Rd	FD	2.00	2.00	4/22/08	9:30	SM 9223 B	E. coli	920	MPN/100 mL	=	1	1		Rlog 0.078	None	Rlog <1.3	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	SM 9223 B	E. coli	1100	MPN/100 mL	=	1	1	1300	RPD 16.6	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 130.2	Hardness as CaCO3	530	mg/L	=	15	20	490	FD RPD 7.8	Analytes analyzed at a secondary dilution	RPD <25	DF=5
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 200.8	Lead	4	µg/L	=	0.01	0.25	3.9	FD RPD 2.5	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 200.8	Nickel	6.4	µg/L	=	0.01	0.5	7	FD RPD 8.9	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 300.0	Nitrate as N	20	mg/L	=	0.1	0.5	20	FD RPD NA	Analytes analyzed at a secondary dilution	RPD <25	DF=10
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 354.1	Nitrite as N	0.61	mg/L	=	0.02	0.2	0.6	FD RPD 1.7	Analytes analyzed at a secondary dilution	RPD <25	DF=5
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	1.3	mg/L	=	0.06	0.1	3.6	FD RPD 94	Field duplicate RPD above QC limit	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 365.2	OrthoPhosphate as P	0.42	mg/L	=	0.01	0.01	0.43	FD RPD 2.4	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 365.2	Phosphate as P	0.5	mg/L	=	0.01	0.01	0.89	FD RPD 56	Field duplicate RPD above QC limit	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 200.8	Selenium	0.49	µg/L	DNQ	0.22	1	0.64	FD RPD 26.5	Field duplicate RPD above QC limit	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 415.1	Total Organic Carbon	14	mg/L	=	0.3	0.5	14	FD RPD NA	None	RPD <25	DF=1

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Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 180.1	Turbidity	12	NTU	=	0.06	0.1	22	FD RPD 59	Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	RPD <25	DF=2
Hatch Drain @ Tuolumne Rd	FD	2.00	1.00	4/22/08	9:30	EPA 200.8	Zinc	30	µg/L	=	0.6	1	29	FD RPD 3.4	None	RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 200.8	Arsenic	0.04	µg/L	DNQ	0.03	0.5			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 200.8	Boron	0.3	µg/L	DNQ	0.2	10			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 200.8	Copper	0.3	µg/L	DNQ	0.1	0.5			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 200.8	Nickel	0.05	µg/L	DNQ	0.01	0.5			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1			None	<RL	DF=1
Hatch Drain @ Tuolumne Rd	TB	1.00	1.00	4/22/08	9:30	EPA 200.8	Zinc	0.9	µg/L	DNQ	0.6	1			None	<RL	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 110.2	Color	<3	color units	ND	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1

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Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 200.8	Copper	0.2	µg/L	DNQ	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 200.8	Lead	0.01	µg/L	DNQ	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 200.8	Nickel	0.04	µg/L	DNQ	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.16	mg/L	=	0.06	0.1	<0.1		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 365.2	Phosphate as P	0.014	mg/L	=	0.01	0.01	<0.01		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1

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Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 415.1	Total Organic Carbon	0.24	mg/L	DNQ	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 180.1	Turbidity	0.16	NTU	=	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FB	1.00	1.00	8/19/08	14:10	EPA 200.8	Zinc	2	µg/L	=	0.2	1	<1		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 200.8	Arsenic	0.4	µg/L	DNQ	0.07	0.5	0.4	FD RPD 0	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 200.8	Boron	5	µg/L	DNQ	0.7	10	5	FD RPD 0	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 110.2	Color	17	color units	=	3	3	15	RPD 12.5	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 200.8	Copper	3.3	µg/L	=	0.07	0.5	1.2	FD RPD 93.3	Field duplicate RPD above QC limit	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 160.1	Dissolved Solids	23	mg/L	=	4	10	21	FD RPD 9.1	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	2.00	8/19/08	14:10	SM 9223 B	E. coli	1	MPN/100 mL	=	1	1		Rlog 0	None	Rlog <1.3	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	SM 9223 B	E. coli	1	MPN/100 mL	=	1	1	2	RPD 66.6	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 130.2	Hardness as CaCO3	16	mg/L	=	3	5	14	FD RPD 13.3	None	RPD <25	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 200.8	Lead	0.23	µg/L	DNQ	0.01	0.25	0.27	FD RPD 16	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5	0.8	FD RPD 13.3	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 300.0	Nitrate as N	0.011	mg/L	DNQ	0.01	0.05	<0.01	FD RPD NA	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	0.002	FD RPD NA	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 351.3	Nitrogen, Total Kjeldahl	0.33	mg/L	=	0.06	0.1	0.29	FD RPD 12.9	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01	FD RPD NA	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 365.2	Phosphate as P	0.036	mg/L	=	0.01	0.01	0.021	FD RPD 52.6	Field duplicate RPD above QC limit	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	<0.11	FD RPD NA	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 415.1	Total Organic Carbon	1.8	mg/L	=	0.1	0.5	1.7	FD RPD 5.7	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 180.1	Turbidity	4.5	NTU	=	0.02	0.05	4.5	FD RPD 0	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	FD	2.00	1.00	8/19/08	14:10	EPA 200.8	Zinc	3	µg/L	=	0.2	1	3	FD RPD 0	None	RPD <25	DF=1
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10			None	<RL	DF=1
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 200.8	Copper	0.2	µg/L	DNQ	0.07	0.5			None	<RL	DF=1
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 200.8	Lead	0.01	µg/L	DNQ	0.01	0.25			None	<RL	DF=1
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 200.8	Nickel	0.04	µg/L	DNQ	0.02	0.5			None	<RL	DF=1
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 200.8	Selenium	0.24	µg/L	DNQ	0.11	1			None	<RL	DF=1
Highline Canal @ Lombardy Rd	TB	1.00	1.00	8/19/08	14:10	EPA 200.8	Zinc	0.8	µg/L	DNQ	0.2	1			None	<RL	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 200.8	Boron	3	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 110.2	Color	<3	color units	ND	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 200.8	Copper	0.1	µg/L	DNQ	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 200.8	Lead	0.02	µg/L	DNQ	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 200.8	Nickel	0.06	µg/L	DNQ	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 415.1	Total Organic Carbon	0.62	mg/L	=	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FB	1.00	1.00	9/23/08	12:40	EPA 200.8	Zinc	1	µg/L	=	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.05	FD RPD NA	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 200.8	Arsenic	5.5	µg/L	=	0.07	0.5	5.6	FD RPD 1.8	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 200.8	Boron	120	µg/L	=	0.7	10	150	FD RPD 22.2	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 110.2	Color	28	color units	=	3	3	22	FD RPD 24	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 200.8	Copper	6.1	µg/L	=	0.07	0.5	5.7	FD RPD 6.77	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 160.1	Dissolved Solids	640	mg/L	=	4	10	640	FD RPD 0	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	2.00	9/23/08	12:40	SM 9223 B	E. coli	150	MPN/100 mL	=	1	1		Rlog 0.03	None	Rlog <1.3	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	SM 9223 B	E. coli	140	MPN/100 mL	=	1	1	160	RPD 13.33	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 130.2	Hardness as CaCO3	260	mg/L	=	3	5	270	FD RPD 3.77	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 200.8	Lead	0.12	µg/L	DNQ	0.01	0.25	0.1	FD RPD 18.2	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 200.8	Nickel	3.2	µg/L	=	0.02	0.5	3.2	FD RPD 0	None	RPD <25	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 300.0	Nitrate as N	26	mg/L	=	0.05	0.2	26	FD RPD 0	Analytes analyzed at a secondary dilution	RPD <25	DF=5
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 354.1	Nitrite as N	0.049	mg/L	=	0.002	0.03	0.049	FD RPD 0	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 351.3	Nitrogen, Total Kjeldahl	0.71	mg/L	=	0.06	0.1	0.72	FD RPD 1.39	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 365.2	OrthoPhosphate as P	0.79	mg/L	=	0.01	0.01	0.78	FD RPD 1.27	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 365.2	Phosphate as P	0.78	mg/L	=	0.01	0.01	0.81	FD RPD 3.77	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 200.8	Selenium	0.31	µg/L	DNQ	0.11	1	0.8	FD RPD 88	Field duplicate RPD above QC limit	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 415.1	Total Organic Carbon	6.7	mg/L	=	0.1	0.5	6.8	FD RPD 1.48	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 180.1	Turbidity	1.4	NTU	=	0.02	0.05	2.3	FD RPD 48.6	Field duplicate RPD above QC limit	RPD <25	DF=1
Hilmar Drain @ Central Ave	FD	2.00	1.00	9/23/08	12:40	EPA 200.8	Zinc	5	µg/L	=	0.2	1	6	FD RPD 18.2	None	RPD <25	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 200.8	Boron	0.8	µg/L	DNQ	0.7	10			None	<RL	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25			None	<RL	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5			None	<RL	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1			None	<RL	DF=1
Hilmar Drain @ Central Ave	TB	1.00	1.00	9/23/08	12:40	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1			None	<RL	DF=1

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Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 110.2	Color	5	color units	=	3	3	<3		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1; Env sample = 13
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 200.8	Lead	0.02	µg/L	DNQ	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 200.8	Nickel	0.04	µg/L	DNQ	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1

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Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.077	mg/L	DNQ	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 365.2	Phosphate as P	0.047	mg/L	=	0.01	0.01	<0.01		Analyte detected in method, trip, or equipment blank	<RL or < (sample ÷ 5)	DF=1; Env sample = 0.048
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 200.8	Selenium	0.64	µg/L	DNQ	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 415.1	Total Organic Carbon	<0.1	mg/L	ND	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 180.1	Turbidity	0.15	NTU	=	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FB	1.00	1.00	6/17/08	15:30	EPA 200.8	Zinc	0.9	µg/L	DNQ	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 350.2	Ammonia as N	0.044	mg/L	DNQ	0.04	0.1	<0.04	FD RPD NA	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 200.8	Arsenic	2.9	µg/L	=	0.07	0.5	2.9	FD RPD 0	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 200.8	Boron	33	µg/L	=	0.7	10	33	FD RPD 0	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 110.2	Color	13	color units	=	3	3	13	FD RPD 0	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 200.8	Copper	6	µg/L	=	0.07	0.5	45	FD RPD 153	Field duplicate RPD above QC limit	RPD <25	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 160.1	Dissolved Solids	310	mg/L	=	4	10	300	FD RPD 3.27	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	2.00	6/17/08	15:30	SM 9223 B	E. coli	8.6	MPN/100 mL	=	1	1		Rlog 0.443	None	Rlog <1.3	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	SM 9223 B	E. coli	3.1	MPN/100 mL	=	1	1	3.1	RPD 0	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 130.2	Hardness as CaCO3	150	mg/L	=	3	5	150	FD RPD 0	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 200.8	Lead	0.1	µg/L	DNQ	0.01	0.25	0.14	FD RPD 33	Field duplicate RPD above QC limit	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 200.8	Nickel	0.7	µg/L	=	0.02	0.5	0.7	FD RPD 0	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 300.0	Nitrate as N	11	mg/L	=	0.1	0.5	11	FD RPD 0	Analytes analyzed at a secondary dilution	RPD <25	DF=10
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 354.1	Nitrite as N	0.074	mg/L	=	0.004	0.03	0.073	FD RPD 1.4	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 351.3	Nitrogen, Total Kjeldahl	0.4	mg/L	=	0.06	0.1	0.42	FD RPD 4.8	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 365.2	OrthoPhosphate as P	0.011	mg/L	=	0.01	0.01	0.01	FD RPD 9.5	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 365.2	Phosphate as P	0.06	mg/L	=	0.01	0.01	0.048	FD RPD 22	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 200.8	Selenium	0.86	µg/L	DNQ	0.11	1	0.96	FD RPD 10.9	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 415.1	Total Organic Carbon	2.7	mg/L	=	0.1	0.5	2.6	FD RPD 3.77	None	RPD <25	DF=1
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 180.1	Turbidity	2	NTU	=	0.02	0.05	2	FD RPD 0	None	RPD <25	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	FD	2.00	1.00	6/17/08	15:30	EPA 200.8	Zinc	3	µg/L	=	0.2	1	4	FD RPD 28.5	Field duplicate RPD above QC limit	RPD <25	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10			None	<RL	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25			None	<RL	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5			None	<RL	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 200.8	Selenium	0.5	µg/L	DNQ	0.11	1			None	<RL	DF=1
Livingston Drain @ Robin Ave	TB	1.00	1.00	6/17/08	15:30	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1			None	<RL	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 200.8	Arsenic	0.1	µg/L	DNQ	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 110.2	Color	3	color units	=	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 200.8	Selenium	0.4	µg/L	DNQ	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 415.1	Total Organic Carbon	0.28	mg/L	DNQ	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 180.1	Turbidity	0.03	NTU	DNQ	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FB	1.00	1.00	7/29/08	15:20	EPA 200.8	Zinc	0.8	µg/L	DNQ	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	0.099	FD RPD NA	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 200.8	Arsenic	1.6	µg/L	=	0.07	0.5	1.5	FD RPD 6.45	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 200.8	Boron	13	µg/L	=	0.7	10	12	FD RPD 8.00	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	0.07	FD RPD NA	None	RPD <25	DF=1

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Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 110.2	Color	45	color units	=	15	20	65	FD RPD 36.36	Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	RPD <25	DF=5
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 200.8	Copper	7.9	µg/L	=	0.07	0.5	7.5	FD RPD 5.19	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 160.1	Dissolved Solids	77	mg/L	=	4	10	73	FD RPD 5.33	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	2.00	7/29/08	15:20	SM 9223 B	E. coli	210	MPN/100 mL	=	1	1		Rlog 0.076	None	Rlog <1.3	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	SM 9223 B	E. coli	250	MPN/100 mL	=	1	1	220	RPD 12.7	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 130.2	Hardness as CaCO3	54	mg/L	=	3	5	44	FD RPD 20.41	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 200.8	Lead	1.6	µg/L	=	0.01	0.25	1.7	FD RPD 6.06	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 200.8	Nickel	6	µg/L	=	0.02	0.5	5.8	FD RPD 3.39	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 300.0	Nitrate as N	0.63	mg/L	=	0.01	0.05	0.62	FD RPD 1.60	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 354.1	Nitrite as N	0.021	mg/L	DNQ	0.002	0.03	0.021	FD RPD 0	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	0.87	mg/L	=	0.06	0.1	0.93	FD RPD 6.67	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 365.2	OrthoPhosphate as P	0.097	mg/L	=	0.01	0.01	0.096	FD RPD 1.04	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 365.2	Phosphate as P	0.2	mg/L	=	0.01	0.01	0.2	FD RPD 0	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 200.8	Selenium	0.32	µg/L	DNQ	0.11	1	0.33	FD RPD 3.08	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 415.1	Total Organic Carbon	4.5	mg/L	=	0.1	0.5	4.2	FD RPD 6.90	None	RPD <25	DF=1

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Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 180.1	Turbidity	29	NTU	=	0.1	0.2	47	FD RPD 47.37	Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	RPD <25	DF=5
Miles Creek @ Reilly Rd	FD	2.00	1.00	7/29/08	15:20	EPA 200.8	Zinc	13	µg/L	=	0.2	1	13	FD RPD 0	None	RPD <25	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 200.8	Boron	0.7	µg/L	DNQ	0.7	10			None	<RL	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 200.8	Lead	0.04	µg/L	DNQ	0.01	0.25			None	<RL	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 200.8	Nickel	0.06	µg/L	DNQ	0.02	0.5			None	<RL	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1			None	<RL	DF=1
Miles Creek @ Reilly Rd	TB	1.00	1.00	7/29/08	15:20	EPA 200.8	Zinc	0.8	µg/L	DNQ	0.2	1			None	<RL	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 200.8	Arsenic	0.2	µg/L	DNQ	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 110.2	Color	4	color units	=	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 365.2	Phosphate as P	0.018	mg/L	=	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1; Env sample=0.54
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 415.1	Total Organic Carbon	0.41	mg/L	DNQ	0.1	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 180.1	Turbidity	0.12	NTU	=	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FB	1.00	1.00	7/22/08	11:00	EPA 200.8	Zinc	2	µg/L	=	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1	0.27	FD RPD NA	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 200.8	Arsenic	1.6	µg/L	=	0.07	0.5	1.5	FD RPD 6.45	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 200.8	Boron	12	µg/L	=	0.7	10	12	FD RPD 0	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 200.8	Cadmium	0.06	µg/L	DNQ	0.06	0.1	0.08	FD RPD 28.57	Field duplicate RPD above QC limit	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 110.2	Color	260	color units	=	60	60	260	FD RPD 0	Analytes analyzed at a secondary dilution	RPD <25	DF=20

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 200.8	Copper	8.8	µg/L	=	0.07	0.5	12	FD RPD 30.77	Field duplicate RPD above QC limit	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 160.1	Dissolved Solids	110	mg/L	=	4	10	98	FD RPD 11.54	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	SM 9223 B	E. coli	650	MPN/100 mL	=	1	1	410	RPD 45.28	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	2.00	7/22/08	11:00	SM 9223 B	E. coli	650	MPN/100 mL	=	1	1		Rlog 0	None	Rlog <1.3	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 130.2	Hardness as CaCO3	120	mg/L	=	15	20	160	FD RPD 28.57	Analytes analyzed at a secondary dilution, Field Duplicate RPD above QC limit	RPD <25	DF=5
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 200.8	Lead	1.1	µg/L	=	0.01	0.25	1.7	FD RPD 42.86	Field duplicate RPD above QC limit	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 200.8	Nickel	4.1	µg/L	=	0.02	0.5	5.6	FD RPD 30.93	Field duplicate RPD above QC limit	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 300.0	Nitrate as N	0.98	mg/L	=	0.01	0.05	0.96	FD RPD 2.06	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 354.1	Nitrite as N	0.033	mg/L	=	0.002	0.03	0.032	FD RPD 3.08	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	1.7	mg/L	=	0.06	0.1	1.6	FD RPD 6.06	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 365.2	OrthoPhosphate as P	0.28	mg/L	=	0.01	0.01	0.27	FD RPD 3.64	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 365.2	Phosphate as P	0.66	mg/L	=	0.01	0.01	0.54	FD RPD 20.00	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	0.27	FD RPD NA	None	RPD <25	DF=1
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 415.1	Total Organic Carbon	4.9	mg/L	=	0.1	0.5	4.5	FD RPD 8.51	None	RPD <25	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 180.1	Turbidity	110	NTU	=	0.2	0.5	100	FD RPD 9.52	Analytes analyzed at a secondary dilution	RPD <25	DF=10
Silva Drain @ Meadow Dr	FD	2.00	1.00	7/22/08	11:00	EPA 200.8	Zinc	14	µg/L	=	0.2	1	20	FD RPD 35.29	Field duplicate RPD above QC limit	RPD <25	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 200.8	Arsenic	0.08	µg/L	DNQ	0.07	0.5			None	<RL	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 200.8	Boron	1	µg/L	DNQ	0.7	10			None	<RL	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25			None	<RL	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5			None	<RL	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 200.8	Selenium	0.36	µg/L	DNQ	0.11	1			None	<RL	DF=1
Silva Drain @ Meadow Dr	TB	1.00	1.00	7/22/08	11:00	EPA 200.8	Zinc	1	µg/L	=	0.2	1			None	<RL	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 110.2	Color	<3	color units	ND	3	3	<3		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 160.1	Dissolved Solids	21	mg/L	=	4	10	<10		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	SM 9223 B	E. coli	<1	MPN/100 mL	ND	1	1	<1		None	<RL or < (sample ÷ 5)	DF=1

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Station Name	Sample Type Code	Sample Replicate	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5	<5		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25	<0.25		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 200.8	Nickel	0.03	µg/L	DNQ	0.02	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 300.0	Nitrate as N	0.054	mg/L	=	0.01	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 354.1	Nitrite as N	0.004	mg/L	DNQ	0.004	0.03	<0.03		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1	<0.1		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 365.2	Phosphate as P	0.012	mg/L	=	0.01	0.01	<0.01		None	<RL or < (sample ÷ 5)	DF=1; Env sample=0.47
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 415.1	Total Organic Carbon	0.41	mg/L	DNQ	0.3	0.5	<0.5		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 180.1	Turbidity	0.04	NTU	DNQ	0.02	0.05	<0.05		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FB	1.00	1.00	5/20/08	8:50	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1	<1		None	<RL or < (sample ÷ 5)	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 350.2	Ammonia as N	0.11	mg/L	=	0.04	0.1	0.19	FD RPD 53	Field duplicate RPD above QC limit	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 200.8	Arsenic	6.9	µg/L	=	0.07	0.5	6.9	FD RPD 0	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 200.8	Boron	130	µg/L	=	0.7	10	130	FD RPD 0	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1	<0.06	FD RPD NA	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 110.2	Color	20	color units	=	3	3	28	FD RPD 33	Field duplicate RPD above QC limit	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 200.8	Copper	2.3	µg/L	=	0.07	0.5	2.5	FD RPD 8.3	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 160.1	Dissolved Solids	710	mg/L	=	4	10	720	FD RPD 1.4	None	RPD <25	DF=1

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Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	SM 9223 B	E. coli	140	MPN/100 mL	=	1	1	130	RPD 7.4	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	2.00	5/20/08	8:50	SM 9223 B	E. coli	200	MPN/100 mL	=	1	1		Rlog 0.155	None	Rlog <1.3	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 130.2	Hardness as CaCO3	400	mg/L	=	15	20	440	FD RPD 9.5	Analytes analyzed at a secondary dilution	RPD <25	DF=5
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 200.8	Lead	0.3	µg/L	=	0.01	0.25	0.31	FD RPD 3.3	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 200.8	Nickel	2.4	µg/L	=	0.02	0.5	2.3	FD RPD 4.3	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 300.0	Nitrate as N	22	mg/L	=	0.25	1	23	FD RPD 4.4	Analytes analyzed at a secondary dilution	RPD <25	DF=25
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 354.1	Nitrite as N	0.41	mg/L	=	0.004	0.03	0.42	FD RPD 2.4	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 351.3	Nitrogen, Total Kjeldahl	0.78	mg/L	=	0.06	0.1	0.91	FD RPD 15	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 365.2	OrthoPhosphate as P	0.34	mg/L	=	0.01	0.01	0.34	FD RPD 0	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 365.2	Phosphate as P	0.38	mg/L	=	0.01	0.01	0.47	FD RPD 21	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 200.8	Selenium	0.46	µg/L	DNQ	0.11	1	1.2	FD RPD 89	Field duplicate RPD above QC limit	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 415.1	Total Organic Carbon	5	mg/L	=	0.3	0.5	5.5	FD RPD 9.5	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 180.1	Turbidity	3.4	NTU	=	0.02	0.05	3.2	FD RPD 6.1	None	RPD <25	DF=1
Westport Drain @ Vivian Rd	FD	2.00	1.00	5/20/08	8:50	EPA 200.8	Zinc	3	µg/L	=	0.2	1	5	FD RPD 50	Field duplicate RPD above QC limit	RPD <25	DF=1
Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 200.8	Boron	0.9	µg/L	DNQ	0.7	10			None	<RL	DF=1
Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1			None	<RL	DF=1

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Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5			None	<RL	DF=1
Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5			None	<RL	DF=1
Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25			None	<RL	DF=1
Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5			None	<RL	DF=1
Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 200.8	Selenium	<0.11	µg/L	ND	0.11	1			None	<RL	DF=1
Westport Drain @ Vivian Rd	TB	1.00	1.00	5/20/08	8:50	EPA 200.8	Zinc	0.6	µg/L	DNQ	0.2	1			None	<RL	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

**Table III -4. ESJWQC laboratory quality assurance (LABQA) results for inorganic analysis including physical parameters, nutrients, metals and bacteria.**

Results include blanks (Lab Blank), matrix spikes (MS), and laboratory control spikes (LCS) for inorganic analysis. LABQA was performed for samples collected during the 2008 irrigation season and results are sorted by sample type, station name, sample date, and analyte. For laboratory control samples, the sample date is equal to the extraction date or analysis date; some LABQA samples may appear to be duplicates due to multiple batches run on the same date. Non Ag Waiver QA samples are samples from other projects included to meet batch requirements.

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	07/29/08	11:40	EPA 415.1	Total Organic Carbon	13.31	mg/L	=	0.1	0.5	14.1	PR 93	RPD 1.3	None	PR 80-120 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	07/29/08	11:40	EPA 415.1	Total Organic Carbon	13.49	mg/L	=	0.1	0.5	14.1	PR 94		None	PR 80-120	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 350.2	Ammonia as N	5.0306	mg/L	=	0.05	0.1	5.077	PR 99		None	PR 90-110	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 350.2	Ammonia as N	5.0416	mg/L	=	0.05	0.1	5.077	PR 99	RPD 0.2	None	PR 90-110 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 200.8	Arsenic	25.69	µg/L	=	0.07	0.5	25.8	PR 99		None	PR 85-115	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 200.8	Arsenic	25.91	µg/L	=	0.07	0.5	25.8	PR 100	RPD 0.9	None	PR 85-115 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 200.8	Boron	48.52	µg/L	=	0.7	10	50	PR 94		None	PR 85-115	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 200.8	Boron	49.48	µg/L	=	0.7	10	50	PR 99	RPD 2	None	PR 85-115 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 200.8	Cadmium	20.11	µg/L	=	0.06	0.1	20	PR 101		None	PR 85-115	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 200.8	Cadmium	20.23	µg/L	=	0.06	0.1	20	PR 101	RPD 0.6	None	PR 85-115 RPD <25	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 200.8	Copper	24.76	µg/L	=	0.07	0.5	24.5	PR 101		None	PR 85-115	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 200.8	Copper	24.78	µg/L	=	0.07	0.5	24.5	PR 101	RPD 0.1	None	PR 85-115 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 130.2	Hardness as CaCO3	100	mg/L	=	3	5	102	PR 98		None	PR 80-120	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 130.2	Hardness as CaCO3	102	mg/L	=	3	5	102	PR 100	RPD 2	None	PR 80-120 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 200.8	Lead	21.54	µg/L	=	0.01	0.25	20.95	PR 103		None	PR 85-115	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 200.8	Lead	21.83	µg/L	=	0.01	0.25	20.95	PR 104	RPD 1.3	None	PR 85-115 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 200.8	Nickel	24.93	µg/L	=	0.02	0.5	24.2	PR 103	RPD 0.2	None	PR 85-115 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 200.8	Nickel	24.98	µg/L	=	0.02	0.5	24.2	PR 104		None	PR 85-115	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 300.0	Nitrate as N	5.597	mg/L	=	0.01	0.05	5.81	PR 96	RPD 0.1	None	PR 90-110 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 300.0	Nitrate as N	5.602	mg/L	=	0.01	0.05	5.81	PR 96		None	PR 90-110	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 354.1	Nitrite as N	0.22	mg/L	=	0.002	0.03	0.231	PR 95		None	PR 80-120	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 354.1	Nitrite as N	0.221	mg/L	=	0.002	0.03	0.231	PR 95	RPD 0.5	None	PR 80-120 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	6.096	mg/L	=	0.06	0.1	6.1	PR 101		None	PR 90-110	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 351.3	Nitrogen, Total Kjeldahl	6.151	mg/L	=	0.06	0.1	6.1	PR 102	RPD 0.9	None	PR 90-110 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 365.2	OrthoPhosphate as P	0.294	mg/L	=	0.01	0.01	0.34	PR 76		Matrix spike recovery not within control limits	PR 90-110	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 365.2	OrthoPhosphate as P	0.294	mg/L	=	0.01	0.01	0.34	PR 76	RPD 0	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 365.2	Phosphate as P	1.182	mg/L	=	0.01	0.01	1.17	PR 102	RPD 0	None	PR 90-110 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 365.2	Phosphate as P	1.182	mg/L	=	0.01	0.01	1.17	PR 102		None	PR 90-110	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 200.8	Selenium	20.11	µg/L	=	0.1	1	20.55	PR 98		None	PR 85-115	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 200.8	Selenium	20.43	µg/L	=	0.1	1	20.55	PR 99	RPD 1.6	None	PR 85-115 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 415.1	Total Organic Carbon	13.8	mg/L	=	0.1	0.5	14.4	PR 94	RPD 2.4	None	PR 80-120 RPD <25	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 415.1	Total Organic Carbon	14.13	mg/L	=	0.1	0.5	14.4	PR 97		None	PR 80-120	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	1.00	09/30/08	10:30	EPA 200.8	Zinc	27.76	µg/L	=	0.2	1	28	PR 97		None	PR 85-115	DF=1
Deadman Creek (Dutchman) @ Gurr Rd	MS	2.00	09/30/08	10:30	EPA 200.8	Zinc	27.87	µg/L	=	0.2	1	28	PR 98	RPD 0.4	None	PR 85-115 RPD <25	DF=1
Deadman Creek @ Hwy 59	MS	1.00	05/27/08	13:30	EPA 130.2	Hardness as CaCO3	262	mg/L	=	3	5	270	PR 96		None	PR 80-120	DF=1
Deadman Creek @ Hwy 59	MS	2.00	05/27/08	13:30	EPA 130.2	Hardness as CaCO3	254	mg/L	=	3	5	270	PR 88	RPD 3.1	None	PR 80-120 RPD <25	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Deadman Creek @ Hwy 59	MS	1.00	07/29/08	12:30	EPA 130.2	Hardness as CaCO3	356	mg/L	=	6	10	350	PR 105		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Deadman Creek @ Hwy 59	MS	2.00	07/29/08	12:30	EPA 130.2	Hardness as CaCO3	356	mg/L	=	6	10	350	PR 105	RPD 0	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=2
Deadman Creek @ Hwy 59	MS	2.00	07/29/08	12:30	EPA 365.2	Phosphate as P	1.186	mg/L	=	0.01	0.01	1.18	PR 101	RPD 0.6	None	PR 90-110 RPD <25	DF=1
Deadman Creek @ Hwy 59	MS	1.00	07/29/08	12:30	EPA 365.2	Phosphate as P	1.193	mg/L	=	0.01	0.01	1.18	PR 102		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 350.2	Ammonia as N	4.965	mg/L	=	0.04	0.1	5	PR 99		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 350.2	Ammonia as N	5.031	mg/L	=	0.04	0.1	5	PR 101	RPD 1.3	None	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Arsenic	18.21	µg/L	=	0.07	0.5	20	PR 91	RPD 0.1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Arsenic	18.19	µg/L	=	0.07	0.5	20	PR 91		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Arsenic	21.81	µg/L	=	0.07	0.5	21.8	PR 100		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Arsenic	21.11	µg/L	=	0.07	0.5	21.8	PR 97	RPD 3.3	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Boron	21.98	µg/L	=	0.7	10	20.7	PR 106	RPD 1.1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Boron	22.22	µg/L	=	0.7	10	20.7	PR 107		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Boron	49.54	µg/L	=	0.7	10	51	PR 90		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Boron	49.7	µg/L	=	0.7	10	51	PR 91	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Cadmium	19.2	µg/L	=	0.06	0.1	20	PR 96	RPD 1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Cadmium	19	µg/L	=	0.06	0.1	20	PR 95		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Cadmium	19.11	µg/L	=	0.06	0.1	20	PR 96	RPD 6.7	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Cadmium	20.43	µg/L	=	0.06	0.1	20	PR 102		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Copper	21.04	µg/L	=	0.07	0.5	21.1	PR 100		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Copper	20.71	µg/L	=	0.07	0.5	21.1	PR 98	RPD 1.6	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Copper	26.37	µg/L	=	0.07	0.5	26.8	PR 98	RPD 2.5	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Copper	27.04	µg/L	=	0.07	0.5	26.8	PR 101		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 130.2	Hardness as CaCO3	118	mg/L	=	3	5	126	PR 92	RPD 8.1	None	PR 80-120 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 130.2	Hardness as CaCO3	128	mg/L	=	3	5	126	PR 102		None	PR 80-120	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Lead	21.22	µg/L	=	0.01	0.25	20.02	PR 106		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Lead	21.16	µg/L	=	0.01	0.25	20.02	PR 106	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Lead	20.59	µg/L	=	0.01	0.25	20.2	PR 102	RPD 2.1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Lead	21.03	µg/L	=	0.01	0.25	20.2	PR 104		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Nickel	19.28	µg/L	=	0.02	0.5	20.2	PR 95	RPD 1.1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Nickel	19.5	µg/L	=	0.02	0.5	20.2	PR 97		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Nickel	20.72	µg/L	=	0.02	0.5	20.5	PR 101	RPD 2.5	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Nickel	21.24	µg/L	=	0.02	0.5	20.5	PR 104		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 300.0	Nitrate as N	4.837	mg/L	=	0.01	0.05	5	PR 97	RPD 0.1	None	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 300.0	Nitrate as N	4.844	mg/L	=	0.01	0.05	5	PR 97		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 354.1	Nitrite as N	0.194	mg/L	=	0.004	0.03	0.2	PR 97		None	PR 80-120	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 354.1	Nitrite as N	0.187	mg/L	=	0.004	0.03	0.2	PR 94	RPD 3.7	None	PR 80-120 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.723	mg/L	=	0.06	0.1	5.32	PR 88	RPD 1.9	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.635	mg/L	=	0.06	0.1	5.32	PR 86		Matrix spike recovery not within control limits	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 365.2	OrthoPhosphate as P	0.2	mg/L	=	0.01	0.01	0.209	PR 96		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 365.2	OrthoPhosphate as P	0.207	mg/L	=	0.01	0.01	0.209	PR 99	RPD 3.4	None	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 365.2	Phosphate as P	1.059	mg/L	=	0.01	0.01	1.041	PR 102	RPD 0.6	None	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 365.2	Phosphate as P	1.065	mg/L	=	0.01	0.01	1.041	PR 102		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Selenium	19.34	µg/L	=	0.11	1	20	PR 97		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Selenium	18.83	µg/L	=	0.11	1	20	PR 94	RPD 2.7	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Selenium	19.55	µg/L	=	0.11	1	20.14	PR 97	RPD 2.4	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Selenium	20.03	µg/L	=	0.11	1	20.14	PR 99		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 415.1	Total Organic Carbon	14.11	mg/L	=	0.3	0.5	14.5	PR 96		None	PR 80-120	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 415.1	Total Organic Carbon	14.27	mg/L	=	0.3	0.5	14.5	PR 97	RPD 1.1	None	PR 80-120 RPD <25	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Zinc	20.92	µg/L	=	0.2	1	20.8	PR 101		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Zinc	20.49	µg/L	=	0.2	1	20.8	PR 98	RPD 2.1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	04/29/08	12:00	EPA 200.8	Zinc	23.52	µg/L	=	0.2	1	23	PR 103		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	04/29/08	12:00	EPA 200.8	Zinc	22.4	µg/L	=	0.2	1	23	PR 98	RPD 4.9	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	05/27/08	12:30	EPA 200.8	Arsenic	21.35	µg/L	=	0.07	0.5	21.8	PR 98		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	05/27/08	12:30	EPA 200.8	Arsenic	21.43	µg/L	=	0.07	0.5	21.8	PR 98	RPD 0.4	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	05/27/08	12:30	EPA 200.8	Boron	70.38	µg/L	=	0.7	10	56	PR 173	RPD 35	Matrix spike recovery not within control limits; RPD exceeds laboratory control limit	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	05/27/08	12:30	EPA 200.8	Boron	100	µg/L	=	0.7	10	56	PR 322		Matrix spike recovery not within control limits	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	05/27/08	12:30	EPA 200.8	Cadmium	19.96	µg/L	=	0.06	0.1	20	PR 100	RPD 0.7	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	05/27/08	12:30	EPA 200.8	Cadmium	19.83	µg/L	=	0.06	0.1	20	PR 99		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	05/27/08	12:30	EPA 200.8	Copper	25.43	µg/L	=	0.07	0.5	25	PR 102		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	05/27/08	12:30	EPA 200.8	Copper	25.39	µg/L	=	0.07	0.5	25	PR 102	RPD 0.2	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	05/27/08	12:30	EPA 200.8	Lead	20.8	µg/L	=	0.01	0.25	20.2	PR 103	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	05/27/08	12:30	EPA 200.8	Lead	20.87	µg/L	=	0.01	0.25	20.2	PR 103		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	05/27/08	12:30	EPA 200.8	Nickel	21.31	µg/L	=	0.02	0.5	20.4	PR 105	RPD 1.5	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	05/27/08	12:30	EPA 200.8	Nickel	20.99	µg/L	=	0.02	0.5	20.4	PR 103		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	05/27/08	12:30	EPA 200.8	Selenium	20.08	µg/L	=	0.1	1	20.25	PR 99		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	05/27/08	12:30	EPA 200.8	Selenium	20.11	µg/L	=	0.1	1	20.25	PR 99	RPD 0.1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	05/27/08	12:30	EPA 200.8	Zinc	22.25	µg/L	=	0.2	1	22	PR 101		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	05/27/08	12:30	EPA 200.8	Zinc	22.01	µg/L	=	0.2	1	22	PR 100	RPD 1.1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	06/24/08	11:30	EPA 130.2	Hardness as CaCO3	112	mg/L	=	3	5	122	PR 90	RPD 0	None	PR 80-120 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	06/24/08	11:30	EPA 130.2	Hardness as CaCO3	112	mg/L	=	3	5	122	PR 90		None	PR 80-120	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 350.2	Ammonia as N	4.8769	mg/L	=	0.05	0.1	5	PR 98		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 350.2	Ammonia as N	4.8659	mg/L	=	0.05	0.1	5	PR 97	RPD 0.2	None	PR 90-110 RPD <25	DF=1

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Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Arsenic	21.29	µg/L	=	0.07	0.5	21.4	PR 99		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Arsenic	20.12	µg/L	=	0.07	0.5	20	PR 101	RPD 0.1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Arsenic	20.09	µg/L	=	0.07	0.5	20	PR 100		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Arsenic	21.03	µg/L	=	0.07	0.5	21.4	PR 98	RPD 1.2	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Boron	19.11	µg/L	=	0.7	10	20	PR 96		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Boron	18.45	µg/L	=	0.7	10	20	PR 92	RPD 3.5	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Boron	34.62	µg/L	=	0.7	10	33	PR 106		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Boron	33.29	µg/L	=	0.7	10	33	PR 100	RPD 3.9	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Cadmium	20.21	µg/L	=	0.06	0.1	20	PR 101	RPD 0.5	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Cadmium	20.1	µg/L	=	0.06	0.1	20	PR 101		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Cadmium	19.78	µg/L	=	0.06	0.1	20	PR 99	RPD 1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Cadmium	19.58	µg/L	=	0.06	0.1	20	PR 98		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Copper	20.58	µg/L	=	0.07	0.5	20	PR 103		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Copper	20.47	µg/L	=	0.07	0.5	20	PR 102	RPD 0.5	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Copper	24.55	µg/L	=	0.07	0.5	25.1	PR 97		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Copper	24.62	µg/L	=	0.07	0.5	25.1	PR 98	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 130.2	Hardness as CaCO3	112	mg/L	=	3	5	110	PR 102		None	PR 80-120	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 130.2	Hardness as CaCO3	108	mg/L	=	3	5	110	PR 98	RPD 3.6	None	PR 80-120 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Lead	21.75	µg/L	=	0.01	0.25	20	PR 109		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Lead	21.66	µg/L	=	0.01	0.25	20	PR 108	RPD 0.4	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Lead	21.64	µg/L	=	0.01	0.25	20.36	PR 106		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Lead	21.83	µg/L	=	0.01	0.25	20.36	PR 107	RPD 0.9	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Nickel	20.54	µg/L	=	0.02	0.5	20	PR 103		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Nickel	20.66	µg/L	=	0.02	0.5	20	PR 103	RPD 0.6	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Nickel	19.92	µg/L	=	0.02	0.5	20.5	PR 97		None	PR 85-115	DF=1

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Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Nickel	19.73	µg/L	=	0.02	0.5	20.5	PR 96	RPD 1	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 300.0	Nitrate as N	4.798	mg/L	=	0.01	0.05	5	PR 96		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 300.0	Nitrate as N	4.77	mg/L	=	0.01	0.05	5	PR 95	RPD 0.6	None	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 354.1	Nitrite as N	0.183	mg/L	=	0.002	0.03	0.2	PR 92		None	PR 80-120	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 354.1	Nitrite as N	0.19	mg/L	=	0.002	0.03	0.2	PR 95	RPD 3.8	None	PR 80-120 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.1404	mg/L	=	0.06	0.1	5.24	PR 98		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.0416	mg/L	=	0.06	0.1	5.24	PR 96	RPD 1.9	None	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 365.2	OrthoPhosphate as P	0.211	mg/L	=	0.01	0.01	0.208	PR 102		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 365.2	OrthoPhosphate as P	0.217	mg/L	=	0.01	0.01	0.208	PR 105	RPD 2.8	None	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 365.2	Phosphate as P	0.995	mg/L	=	0.01	0.01	1.043	PR 95		None	PR 90-110	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 365.2	Phosphate as P	1.008	mg/L	=	0.01	0.01	1.043	PR 97	RPD 1.3	None	PR 90-110 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Selenium	20.2	µg/L	=	0.1	1	20	PR 101	RPD 0.6	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Selenium	20.07	µg/L	=	0.1	1	20	PR 100		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Selenium	19.56	µg/L	=	0.1	1	20.33	PR 96		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Selenium	19.94	µg/L	=	0.1	1	20.33	PR 98	RPD 1.9	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 415.1	Total Organic Carbon	42.76	mg/L	=	0.1	0.5	12.7	PR 401		Matrix spike recovery not within control limits	PR 80-120	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 415.1	Total Organic Carbon	42.94	mg/L	=	0.1	0.5	12.7	PR 402	RPD 0.4	Matrix spike recovery not within control limits	PR 80-120 RPD <25	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Zinc	21.72	µg/L	=	0.2	1	20.5	PR 106	RPD 1.7	None	PR 85-115 RPD <25	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Zinc	22.1	µg/L	=	0.2	1	20.5	PR 108		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	1.00	08/26/08	12:30	EPA 200.8	Zinc	23.77	µg/L	=	0.2	1	23	PR 102		None	PR 85-115	DF=1
Dry Creek @ Rd 18	MS	2.00	08/26/08	12:30	EPA 200.8	Zinc	26.32	µg/L	=	0.2	1	23	PR 115	RPD 10	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 350.2	Ammonia as N	5.1075	mg/L	=	0.04	0.1	5.2	PR 98	RPD 0.6	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 350.2	Ammonia as N	5.0745	mg/L	=	0.04	0.1	5.2	PR 98		None	PR 90-110	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 200.8	Arsenic	23.01	µg/L	=	0.07	0.5	23.4	PR 98		None	PR 85-115	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 200.8	Arsenic	23.13	µg/L	=	0.07	0.5	23.4	PR 98	RPD 0.5	None	PR 85-115 RPD <25	DF=1

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Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 200.8	Boron	57.56	µg/L	=	0.7	10	57	PR 101		None	PR 85-115	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 200.8	Boron	56.66	µg/L	=	0.7	10	57	PR 97	RPD 1.6	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 200.8	Cadmium	19.52	µg/L	=	0.06	0.1	20	PR 98	RPD 2.3	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 200.8	Cadmium	19.07	µg/L	=	0.06	0.1	20	PR 95		None	PR 85-115	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 200.8	Copper	27.38	µg/L	=	0.07	0.5	27.1	PR 101		None	PR 85-115	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 200.8	Copper	27.45	µg/L	=	0.07	0.5	27.1	PR 102	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 130.2	Hardness as CaCO3	660	mg/L	=	20	20	720	PR 88		Analytes analyzed at a secondary dilution.	PR 80-120	DF=5
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 130.2	Hardness as CaCO3	620	mg/L	=	20	20	720	PR 80	RPD 6.3	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=5
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 200.8	Lead	20.89	µg/L	=	0.01	0.25	20.95	PR 100		None	PR 85-115	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 200.8	Lead	21.1	µg/L	=	0.01	0.25	20.95	PR 101	RPD 1	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 200.8	Nickel	26.36	µg/L	=	0.02	0.5	25.4	PR 105		None	PR 85-115	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 200.8	Nickel	26.37	µg/L	=	0.02	0.5	25.4	PR 105	RPD 0	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 300.0	Nitrate as N	6.629	mg/L	=	0.01	0.05	6.7	PR 99	RPD 0.8	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 300.0	Nitrate as N	6.579	mg/L	=	0.01	0.05	6.7	PR 98		None	PR 90-110	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 354.1	Nitrite as N	0.228	mg/L	=	0.004	0.03	0.24	PR 94	RPD 0.4	None	PR 80-120 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 354.1	Nitrite as N	0.229	mg/L	=	0.004	0.03	0.24	PR 95		None	PR 80-120	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 351.3	Nitrogen, Total Kjeldahl	5.7555	mg/L	=	0.06	0.1	5.97	PR 96	RPD 1.3	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 351.3	Nitrogen, Total Kjeldahl	5.8324	mg/L	=	0.06	0.1	5.97	PR 97		None	PR 90-110	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 365.2	OrthoPhosphate as P	0.791	mg/L	=	0.01	0.01	0.78	PR 105	RPD 0.5	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 365.2	OrthoPhosphate as P	0.795	mg/L	=	0.01	0.01	0.78	PR 107		None	PR 90-110	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 365.2	Phosphate as P	1.584	mg/L	=	0.01	0.01	1.61	PR 97	RPD 0.4	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 365.2	Phosphate as P	1.578	mg/L	=	0.01	0.01	1.61	PR 97		None	PR 90-110	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 200.8	Selenium	19.91	µg/L	=	0.1	1	21	PR 95	RPD 0.7	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 200.8	Selenium	20.05	µg/L	=	0.1	1	21	PR 95		None	PR 85-115	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 415.1	Total Organic Carbon	14.53	mg/L	=	0.3	0.5	15	PR 95	RPD 0.3	None	PR 80-120 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 415.1	Total Organic Carbon	14.48	mg/L	=	0.3	0.5	15	PR 95		None	PR 80-120	DF=1
Duck Slough @ Gurr Rd	MS	2.00	05/27/08	10:40	EPA 200.8	Zinc	29.47	µg/L	=	0.2	1	30	PR 98	RPD 3.4	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Gurr Rd	MS	1.00	05/27/08	10:40	EPA 200.8	Zinc	30.49	µg/L	=	0.2	1	30	PR 104		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 350.2	Ammonia as N	5.0306	mg/L	=	0.04	0.1	5.088	PR 99		None	PR 90-110	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 350.2	Ammonia as N	5.0636	mg/L	=	0.04	0.1	5.088	PR 100	RPD 0.7	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Arsenic	20.76	µg/L	=	0.07	0.5	20.8	PR 100		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Arsenic	20.97	µg/L	=	0.07	0.5	20.8	PR 101	RPD 1	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Arsenic	20.45	µg/L	=	0.07	0.5	20.8	PR 98		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Arsenic	20.67	µg/L	=	0.07	0.5	20.8	PR 99	RPD 1.1	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Boron	27.15	µg/L	=	0.7	10	29	PR 92		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Boron	26.71	µg/L	=	0.7	10	29	PR 90	RPD 1.6	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Boron	25.15	µg/L	=	0.7	10	27	PR 90		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Boron	25.35	µg/L	=	0.7	10	27	PR 91	RPD 0.8	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Cadmium	20.41	µg/L	=	0.06	0.1	20	PR 102	RPD 2.3	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Cadmium	19.95	µg/L	=	0.06	0.1	20	PR 100		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Cadmium	19.78	µg/L	=	0.06	0.1	20	PR 99		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Cadmium	20.05	µg/L	=	0.06	0.1	20	PR 100	RPD 1.4	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Copper	23.71	µg/L	=	0.07	0.5	22.9	PR 104		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Copper	23.97	µg/L	=	0.07	0.5	22.9	PR 105	RPD 1.1	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Copper	23.44	µg/L	=	0.07	0.5	22.7	PR 104		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Copper	23.8	µg/L	=	0.07	0.5	22.7	PR 105	RPD 1.5	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 130.2	Hardness as CaCO3	134	mg/L	=	3	5	144	PR 90		None	PR 80-120	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 130.2	Hardness as CaCO3	126	mg/L	=	3	5	144	PR 82	RPD 6.2	None	PR 80-120 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Lead	21.45	µg/L	=	0.01	0.25	20.56	PR 104		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Lead	21.92	µg/L	=	0.01	0.25	20.56	PR 107	RPD 2.2	None	PR 85-115 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Lead	21.22	µg/L	=	0.01	0.25	20.53	PR 103	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Lead	21.28	µg/L	=	0.01	0.25	20.53	PR 104		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Nickel	23.75	µg/L	=	0.02	0.5	22.2	PR 108	RPD 2.4	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Nickel	23.68	µg/L	=	0.02	0.5	22.4	PR 106		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Nickel	23.89	µg/L	=	0.02	0.5	22.4	PR 107	RPD 0.9	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Nickel	23.18	µg/L	=	0.02	0.5	22.2	PR 105		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 300.0	Nitrate as N	4.991	mg/L	=	0.01	0.05	5.14	PR 97	RPD 0.5	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 300.0	Nitrate as N	4.966	mg/L	=	0.01	0.05	5.14	PR 97		None	PR 90-110	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 354.1	Nitrite as N	0.195	mg/L	=	0.004	0.03	0.209	PR 93		None	PR 80-120	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 354.1	Nitrite as N	0.194	mg/L	=	0.004	0.03	0.209	PR 93	RPD 0.5	None	PR 80-120 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	3.1853	mg/L	=	0.06	0.1	5.077	PR 62	RPD 2	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	3.2512	mg/L	=	0.06	0.1	5.077	PR 63		Matrix spike recovery not within control limits	PR 90-110	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 365.2	OrthoPhosphate as P	0.227	mg/L	=	0.01	0.01	0.23	PR 99		None	PR 90-110	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 365.2	OrthoPhosphate as P	0.227	mg/L	=	0.01	0.01	0.23	PR 99	RPD 0	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 365.2	Phosphate as P	1.019	mg/L	=	0.01	0.01	1.079	PR 94		None	PR 90-110	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 365.2	Phosphate as P	1.019	mg/L	=	0.01	0.01	1.079	PR 94	RPD 0	None	PR 90-110 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Selenium	20.09	µg/L	=	0.1	1	20.52	PR 98		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Selenium	20.02	µg/L	=	0.1	1	20.52	PR 98	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Selenium	19.39	µg/L	=	0.1	1	20	PR 97		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Selenium	19.66	µg/L	=	0.1	1	20	PR 98	RPD 1.4	None	PR 85-115 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 415.1	Total Organic Carbon	12.63	mg/L	=	0.1	0.5	12.6	PR 101		None	PR 80-120	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 415.1	Total Organic Carbon	12.57	mg/L	=	0.1	0.5	12.6	PR 100	RPD 0.5	None	PR 80-120 RPD <25	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Zinc	24.88	µg/L	=	0.2	1	24	PR 103		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	1.00	06/24/08	15:20	EPA 200.8	Zinc	25.5	µg/L	=	0.2	1	25	PR 105		None	PR 85-115	DF=1
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Zinc	25.25	µg/L	=	0.2	1	24	PR 105	RPD 1.5	None	PR 85-115 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Duck Slough @ Hwy 99	MS	2.00	06/24/08	15:20	EPA 200.8	Zinc	25.29	µg/L	=	0.2	1	25	PR 104	RPD 0.8	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 350.2	Ammonia as N	5.426	mg/L	=	0.04	0.1	5.36	PR 101		None	PR 90-110	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 350.2	Ammonia as N	5.393	mg/L	=	0.04	0.1	5.36	PR 101	RPD 0.6	None	PR 90-110 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Arsenic	36.77	µg/L	=	0.03	0.5	37	PR 97	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Arsenic	37.73	µg/L	=	0.03	0.5	37	PR 102		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Arsenic	37.14	µg/L	=	0.03	0.5	37	PR 99	RPD 1.6	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Arsenic	36.88	µg/L	=	0.03	0.5	37	PR 98		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Boron	180.5	µg/L	=	0.2	10	190	PR 77	RPD 0.2	Matrix spike recovery not within control limits	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Boron	180.2	µg/L	=	0.2	10	190	PR 76		Matrix spike recovery not within control limits	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Boron	197.8	µg/L	=	0.2	10	200	PR 89		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Boron	193.6	µg/L	=	0.2	10	200	PR 68	RPD 2.1	Matrix spike recovery not within control limits	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Cadmium	19.13	µg/L	=	0.02	0.1	20.07	PR 95		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Cadmium	18.71	µg/L	=	0.02	0.1	20.07	PR 93	RPD 1.3	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Cadmium	18.96	µg/L	=	0.02	0.1	20.07	PR 94		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Cadmium	18.64	µg/L	=	0.02	0.1	20.07	PR 93	RPD 2.6	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Copper	27.55	µg/L	=	0.1	0.5	27.8	PR 99	RPD 1.7	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Copper	28.03	µg/L	=	0.1	0.5	27.8	PR 101		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Copper	26.14	µg/L	=	0.1	0.5	27.8	PR 92	RPD 2.6	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Copper	26.82	µg/L	=	0.1	0.5	27.8	PR 95		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 130.2	Hardness as CaCO3	960	mg/L	=	15	20	990	PR 94	RPD 4.1	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=5
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	15	20	990	PR 102		Analytes analyzed at a secondary dilution.	PR 80-120	DF=5
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Lead	23.85	µg/L	=	0.01	0.25	23.9	PR 100		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Lead	23.37	µg/L	=	0.01	0.25	24	PR 97		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Lead	23.41	µg/L	=	0.01	0.25	23.9	PR 97	RPD 1.9	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Lead	23.2	µg/L	=	0.01	0.25	24	PR 96	RPD 0.7	None	PR 85-115 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Nickel	27.82	µg/L	=	0.01	0.5	27	PR 104		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Nickel	27.5	µg/L	=	0.01	0.5	27	PR 103	RPD 1.2	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Nickel	26.26	µg/L	=	0.01	0.5	26.4	PR 99		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Nickel	25.79	µg/L	=	0.01	0.5	26.4	PR 97	RPD 1.8	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 300.0	Nitrate as N	31.62	mg/L	=	0.01	0.05	25	PR 229		Matrix spike recovery not within control limits	PR 90-110	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 300.0	Nitrate as N	31.63	mg/L	=	0.01	0.05	25	PR 229	RPD 0	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 354.1	Nitrite as N	1.618	mg/L	=	0.02	0.2	1.6	PR 102		Analytes analyzed at a secondary dilution.	PR 80-120	DF=5
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 354.1	Nitrite as N	1.574	mg/L	=	0.02	0.2	1.6	PR 98	RPD 2.8	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=5
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	8.502	mg/L	=	0.06	0.1	8.6	PR 99	RPD 3.4	None	PR 90-110 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 351.3	Nitrogen, Total Kjeldahl	8.216	mg/L	=	0.06	0.1	8.6	PR 93		None	PR 90-110	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 365.2	OrthoPhosphate as P	0.643	mg/L	=	0.01	0.01	0.63	PR 108	RPD 0.9	None	PR 90-110 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 365.2	OrthoPhosphate as P	0.637	mg/L	=	0.01	0.01	0.63	PR 105		None	PR 90-110	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 365.2	Phosphate as P	1.876	mg/L	=	0.01	0.01	1.89	PR 99		None	PR 90-110	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 365.2	Phosphate as P	1.888	mg/L	=	0.01	0.01	1.89	PR 100	RPD 0.6	None	PR 90-110 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Selenium	20.68	µg/L	=	0.22	1	20.64	PR 100	RPD 0.4	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Selenium	20.76	µg/L	=	0.22	1	20.64	PR 101		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Selenium	21.36	µg/L	=	0.22	1	20.49	PR 104		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Selenium	20.91	µg/L	=	0.22	1	20.49	PR 102	RPD 2.1	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 415.1	Total Organic Carbon	23.66	mg/L	=	0.3	0.5	24	PR 100		None	PR 80-120	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 415.1	Total Organic Carbon	23.85	mg/L	=	0.3	0.5	24	PR 102	RPD 0.8	None	PR 80-120 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Zinc	46.53	µg/L	=	0.6	1	49	PR 88	RPD 1.6	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Zinc	47.28	µg/L	=	0.6	1	49	PR 91		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	04/22/08	9:30	EPA 200.8	Zinc	48.13	µg/L	=	0.6	1	50	PR 91	RPD 2.1	None	PR 85-115 RPD <25	DF=1
Hatch Drain @ Tuolumne Rd	MS	1.00	04/22/08	9:30	EPA 200.8	Zinc	49.15	µg/L	=	0.6	1	50	PR 96		None	PR 85-115	DF=1
Hatch Drain @ Tuolumne Rd	MS	2.00	06/17/08	10:10	EPA 351.3	Nitrogen, Total Kjeldahl	5.6127	mg/L	=	0.06	0.1	6.4	PR 84	RPD 1.9	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Hatch Drain @ Tuolumne Rd	MS	1.00	06/17/08	10:10	EPA 351.3	Nitrogen, Total Kjeldahl	5.7226	mg/L	=	0.06	0.1	6.4	PR 86		Matrix spike recovery not within control limits	PR 90-110	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 350.2	Ammonia as N	4.9316	mg/L	=	0.05	0.1	5	PR 99	RPD 0.8	None	PR 90-110 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 350.2	Ammonia as N	4.8937	mg/L	=	0.05	0.1	5	PR 98		None	PR 90-110	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 200.8	Arsenic	20.97	µg/L	=	0.07	0.5	20.4	PR 103	RPD 0.9	None	PR 85-115 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 200.8	Arsenic	21.15	µg/L	=	0.07	0.5	20.4	PR 104		None	PR 85-115	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 200.8	Boron	24.89	µg/L	=	0.7	10	25	PR 98		None	PR 85-115	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 200.8	Boron	25.03	µg/L	=	0.7	10	25	PR 99	RPD 0.6	None	PR 85-115 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 200.8	Cadmium	20.59	µg/L	=	0.06	0.1	20	PR 103	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 200.8	Cadmium	20.53	µg/L	=	0.06	0.1	20	PR 103		None	PR 85-115	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 200.8	Copper	22.65	µg/L	=	0.07	0.5	21.2	PR 107	RPD 1.8	None	PR 85-115 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 200.8	Copper	23.05	µg/L	=	0.07	0.5	21.2	PR 109		None	PR 85-115	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 130.2	Hardness as CaCO3	104	mg/L	=	3	5	114	PR 90	RPD 11	None	PR 80-120 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 130.2	Hardness as CaCO3	116	mg/L	=	3	5	114	PR 102		None	PR 80-120	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 200.8	Lead	22.44	µg/L	=	0.01	0.25	20.27	PR 111		None	PR 85-115	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 200.8	Lead	22.62	µg/L	=	0.01	0.25	20.27	PR 112	RPD 0.8	None	PR 85-115 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 200.8	Nickel	22.09	µg/L	=	0.02	0.5	20.8	PR 107		None	PR 85-115	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 200.8	Nickel	21.88	µg/L	=	0.02	0.5	20.8	PR 105	RPD 1	None	PR 85-115 RPD <25	DF=1

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Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 300.0	Nitrate as N	4.851	mg/L	=	0.01	0.05	5	PR 97	RPD 0.2	None	PR 90-110 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 300.0	Nitrate as N	4.841	mg/L	=	0.01	0.05	5	PR 97		None	PR 90-110	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 354.1	Nitrite as N	0.189	mg/L	=	0.002	0.03	0.2	PR 95	RPD 4.7	None	PR 80-120 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 354.1	Nitrite as N	0.198	mg/L	=	0.002	0.03	0.2	PR 99		None	PR 80-120	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 354.1	Nitrite as N	0.19	mg/L	=	0.002	0.03	0.202	PR 94	RPD 2.1	None	PR 80-120 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 354.1	Nitrite as N	0.194	mg/L	=	0.002	0.03	0.202	PR 96		None	PR 80-120	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 351.3	Nitrogen, Total Kjeldahl	5.3491	mg/L	=	0.06	0.1	5.29	PR 101	RPD 2.3	None	PR 90-110 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 351.3	Nitrogen, Total Kjeldahl	5.2283	mg/L	=	0.06	0.1	5.29	PR 99		None	PR 90-110	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 365.2	OrthoPhosphate as P	0.206	mg/L	=	0.01	0.01	0.204	PR 101	RPD 1.4	None	PR 90-110 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 365.2	OrthoPhosphate as P	0.209	mg/L	=	0.01	0.01	0.204	PR 103		None	PR 90-110	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 365.2	Phosphate as P	0.948	mg/L	=	0.01	0.01	1.021	PR 93	RPD 0	None	PR 90-110 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 365.2	Phosphate as P	0.948	mg/L	=	0.01	0.01	1.021	PR 93		None	PR 90-110	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 200.8	Selenium	20.71	µg/L	=	0.1	1	20	PR 104	RPD 1.3	None	PR 85-115 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 200.8	Selenium	20.98	µg/L	=	0.1	1	20	PR 105		None	PR 85-115	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 415.1	Total Organic Carbon	13.07	mg/L	=	0.1	0.5	11.7	PR 113	RPD 0	None	PR 80-120 RPD <25	DF=1
Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 415.1	Total Organic Carbon	13.07	mg/L	=	0.1	0.5	11.7	PR 113		None	PR 80-120	DF=1
Highline Canal @ Lombardy Rd	MS	2.00	08/19/08	14:10	EPA 200.8	Zinc	25.02	µg/L	=	0.2	1	23	PR 111	RPD 2.2	None	PR 85-115 RPD <25	DF=1

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Highline Canal @ Lombardy Rd	MS	1.00	08/19/08	14:10	EPA 200.8	Zinc	24.48	µg/L	=	0.2	1	23	PR 109		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 350.2	Ammonia as N	5.2614	mg/L	=	0.05	0.1	5	PR 105		None	PR 90-110	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 350.2	Ammonia as N	5.2614	mg/L	=	0.05	0.1	5	PR 105	RPD 0	None	PR 90-110 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Arsenic	25.07	µg/L	=	0.07	0.5	25.6	PR 97	RPD 1.6	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Arsenic	25.48	µg/L	=	0.07	0.5	25.6	PR 99		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Arsenic	26.23	µg/L	=	0.07	0.5	25.5	PR 103		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Arsenic	25.07	µg/L	=	0.07	0.5	25.5	PR 98	RPD 4.5	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Boron	163.7	µg/L	=	0.7	10	170	PR 87		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Boron	138.1	µg/L	=	0.7	10	140	PR 75	RPD 12	Matrix spike recovery not within control limits	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Boron	158.4	µg/L	=	0.7	10	170	PR 60	RPD 3.3	Matrix spike recovery not within control limits	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Boron	156.5	µg/L	=	0.7	10	140	PR 167		Matrix spike recovery not within control limits	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Cadmium	18.79	µg/L	=	0.06	0.1	20	PR 94	RPD 4.8	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Cadmium	18.58	µg/L	=	0.06	0.1	20	PR 93	RPD 2.2	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Cadmium	18.99	µg/L	=	0.06	0.1	20	PR 95		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Cadmium	19.71	µg/L	=	0.06	0.1	20	PR 99		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Copper	24.61	µg/L	=	0.07	0.5	25.7	PR 94	RPD 1.4	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Copper	24.96	µg/L	=	0.07	0.5	25.7	PR 96		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Copper	26.5	µg/L	=	0.07	0.5	26.1	PR 102		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Copper	25.6	µg/L	=	0.07	0.5	26.1	PR 98	RPD 3.5	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Lead	20.58	µg/L	=	0.01	0.25	20.12	PR 102	RPD 4.9	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Lead	20.23	µg/L	=	0.01	0.25	20.1	PR 101	RPD 1.4	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Lead	20.51	µg/L	=	0.01	0.25	20.1	PR 102		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Lead	21.62	µg/L	=	0.01	0.25	20.12	PR 108		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Nickel	23.35	µg/L	=	0.02	0.5	23.2	PR 101	RPD 3.8	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Nickel	22.38	µg/L	=	0.02	0.5	23.2	PR 96		None	PR 85-115	DF=1

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Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Nickel	22.14	µg/L	=	0.02	0.5	23.2	PR 95	RPD 1.1	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Nickel	24.26	µg/L	=	0.02	0.5	23.2	PR 105		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 300.0	Nitrate as N	39.485	mg/L	=	0.01	0.05	31	PR 278		Matrix spike recovery not within control limits	PR 90-110	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 300.0	Nitrate as N	39.469	mg/L	=	0.01	0.05	31	PR 278	RPD 0	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 354.1	Nitrite as N	0.242	mg/L	=	0.002	0.03	0.249	PR 97	RPD 0.4	None	PR 80-120 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 354.1	Nitrite as N	0.241	mg/L	=	0.002	0.03	0.249	PR 96		None	PR 80-120	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 351.3	Nitrogen, Total Kjeldahl	4.1738	mg/L	=	0.06	0.1	5.72	PR 69	RPD 22	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 351.3	Nitrogen, Total Kjeldahl	3.35	mg/L	=	0.06	0.1	5.72	PR 53		Matrix spike recovery not within control limits	PR 90-110	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 365.2	OrthoPhosphate as P	0.973	mg/L	=	0.01	0.01	0.98	PR 98		None	PR 90-110	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 365.2	OrthoPhosphate as P	0.958	mg/L	=	0.01	0.01	0.98	PR 90	RPD 1.6	None	PR 90-110 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 365.2	Phosphate as P	1.774	mg/L	=	0.01	0.01	1.81	PR 96		Sample preserved improperly	PR 90-110	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 365.2	Phosphate as P	1.78	mg/L	=	0.01	0.01	1.81	PR 97	RPD 0.3	Sample preserved improperly	PR 90-110 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Selenium	20.46	µg/L	=	0.1	1	20.8	PR 98	RPD 0.8	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Selenium	20.63	µg/L	=	0.1	1	20.8	PR 99		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Selenium	20.68	µg/L	=	0.1	1	20.31	PR 102		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Selenium	20.02	µg/L	=	0.1	1	20.31	PR 99	RPD 3.2	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 415.1	Total Organic Carbon	16.62	mg/L	=	0.1	0.5	16.8	PR 98		None	PR 80-120	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 415.1	Total Organic Carbon	16.48	mg/L	=	0.1	0.5	16.8	PR 96	RPD 0.8	None	PR 80-120 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Zinc	23.78	µg/L	=	0.2	1	26	PR 90	RPD 0.9	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Zinc	24.49	µg/L	=	0.2	1	25	PR 98		None	PR 85-115	DF=1
Hilmar Drain @ Central Ave	MS	2.00	09/23/08	12:40	EPA 200.8	Zinc	23.75	µg/L	=	0.2	1	25	PR 94	RPD 3.1	None	PR 85-115 RPD <25	DF=1
Hilmar Drain @ Central Ave	MS	1.00	09/23/08	12:40	EPA 200.8	Zinc	23.99	µg/L	=	0.2	1	26	PR 91		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 350.2	Ammonia as N	4.8219	mg/L	=	0.04	0.1	5	PR 96		None	PR 90-110	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 350.2	Ammonia as N	4.8439	mg/L	=	0.04	0.1	5	PR 97	RPD 0.5	None	PR 90-110 RPD <25	DF=1

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Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Arsenic	22.47	µg/L	=	0.07	0.5	22.9	PR 98	RPD 0.7	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Arsenic	22.63	µg/L	=	0.07	0.5	22.9	PR 99		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Arsenic	22.49	µg/L	=	0.07	0.5	22.9	PR 98		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Arsenic	22.79	µg/L	=	0.07	0.5	22.9	PR 100	RPD 1.3	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Boron	50.44	µg/L	=	0.7	10	53	PR 89	RPD 1.9	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Boron	51.4	µg/L	=	0.7	10	53	PR 94		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Boron	53.31	µg/L	=	0.7	10	53	PR 100	RPD 1.8	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Boron	52.34	µg/L	=	0.7	10	53	PR 96		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Cadmium	18.75	µg/L	=	0.06	0.1	20	PR 94	RPD 2.7	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Cadmium	19.27	µg/L	=	0.06	0.1	20	PR 96		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Cadmium	19.12	µg/L	=	0.06	0.1	20	PR 96		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Cadmium	19.12	µg/L	=	0.06	0.1	20	PR 96	RPD 0	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Copper	24.81	µg/L	=	0.07	0.5	26	PR 94	RPD 1.7	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Copper	25.23	µg/L	=	0.07	0.5	26	PR 96		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Copper	65.05	µg/L	=	0.07	0.5	65	PR 98	RPD 1.2	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Copper	64.27	µg/L	=	0.07	0.5	65	PR 94		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 130.2	Hardness as CaCO3	700	mg/L	=	20	20	650	PR 111	RPD 0	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=5

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 130.2	Hardness as CaCO3	700	mg/L	=	20	20	650	PR 111		Analytes analyzed at a secondary dilution.	PR 80-120	DF=5
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Lead	20.66	µg/L	=	0.01	0.25	20.1	PR 103	RPD 2.8	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Lead	21.25	µg/L	=	0.01	0.25	20.1	PR 106		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Lead	21.2	µg/L	=	0.01	0.25	20.14	PR 105		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Lead	21.02	µg/L	=	0.01	0.25	20.14	PR 104	RPD 0.9	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Nickel	19.72	µg/L	=	0.02	0.5	20.7	PR 95	RPD 2.3	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Nickel	20.18	µg/L	=	0.02	0.5	20.7	PR 97		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Nickel	19.91	µg/L	=	0.02	0.5	20.7	PR 96	RPD 0.4	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Nickel	19.98	µg/L	=	0.02	0.5	20.7	PR 96		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 300.0	Nitrate as N	18.87	mg/L	=	0.01	0.05	16	PR 153		Matrix spike recovery not within control limits	PR 90-110	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 300.0	Nitrate as N	19.11	mg/L	=	0.01	0.05	16	PR 158	RPD 1.3	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 354.1	Nitrite as N	0.266	mg/L	=	0.004	0.03	0.273	PR 97	RPD 0	None	PR 80-120 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 354.1	Nitrite as N	0.266	mg/L	=	0.004	0.03	0.273	PR 97		None	PR 80-120	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.459	mg/L	=	0.06	0.1	5.42	PR 101		None	PR 90-110	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.2832	mg/L	=	0.06	0.1	5.42	PR 97	RPD 3.3	None	PR 90-110 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 365.2	OrthoPhosphate as P	0.212	mg/L	=	0.01	0.01	0.21	PR 101	RPD 0.9	None	PR 90-110 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 365.2	OrthoPhosphate as P	0.21	mg/L	=	0.01	0.01	0.21	PR 100		None	PR 90-110	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 365.2	Phosphate as P	1.018	mg/L	=	0.01	0.01	1.048	PR 97	RPD 1.3	None	PR 90-110 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 365.2	Phosphate as P	1.031	mg/L	=	0.01	0.01	1.048	PR 98		None	PR 90-110	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Selenium	19.95	µg/L	=	0.1	1	20.86	PR 95	RPD 0.8	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Selenium	20.13	µg/L	=	0.1	1	20.96	PR 96		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Selenium	20.11	µg/L	=	0.1	1	20.86	PR 96		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Selenium	20.42	µg/L	=	0.1	1	20.96	PR 97	RPD 1.4	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 415.1	Total Organic Carbon	12.39	mg/L	=	0.1	0.5	12.6	PR 98		None	PR 80-120	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 415.1	Total Organic Carbon	12.46	mg/L	=	0.1	0.5	12.6	PR 99	RPD 0.6	None	PR 80-120 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Zinc	22.09	µg/L	=	0.2	1	23	PR 94	RPD 3.4	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Zinc	25.4	µg/L	=	0.2	1	24	PR 109		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	1.00	06/17/08	15:30	EPA 200.8	Zinc	22.85	µg/L	=	0.2	1	23	PR 98		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	06/17/08	15:30	EPA 200.8	Zinc	23.97	µg/L	=	0.2	1	24	PR 102	RPD 5.8	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	09/09/08	13:20	EPA 200.8	Copper	25.89	µg/L	=	0.07	0.5	25.3	PR 103		None	PR 85-115	DF=1
Livingston Drain @ Robin Ave	MS	2.00	09/09/08	13:20	EPA 200.8	Copper	25.85	µg/L	=	0.07	0.5	25.3	PR 103	RPD 0.2	None	PR 85-115 RPD <25	DF=1
Livingston Drain @ Robin Ave	MS	1.00	09/09/08	13:20	EPA 130.2	Hardness as CaCO3	188	mg/L	=	3	5	186	PR 102		None	PR 80-120	DF=1
Livingston Drain @ Robin Ave	MS	2.00	09/09/08	13:20	EPA 130.2	Hardness as CaCO3	190	mg/L	=	3	5	186	PR 104	RPD 1.1	None	PR 80-120 RPD <25	DF=1
Merced River @ Santa Fe	MS	2.00	09/23/08	12:10	EPA 130.2	Hardness as CaCO3	114	mg/L	=	3	5	114	PR 100	RPD 0	None	PR 80-120 RPD <25	DF=1
Merced River @ Santa Fe	MS	1.00	09/23/08	12:10	EPA 130.2	Hardness as CaCO3	114	mg/L	=	3	5	114	PR 100		None	PR 80-120	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	MS	1.00	05/27/08	14:20	EPA 365.2	Phosphate as P	1.213	mg/L	=	0.01	0.01	1.28	PR 94		None	PR 90-110	DF=1
Miles Creek @ Reilly Rd	MS	2.00	05/27/08	14:20	EPA 365.2	Phosphate as P	1.225	mg/L	=	0.01	0.01	1.28	PR 95	RPD 1	None	PR 90-110 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 350.2	Ammonia as N	5.0087	mg/L	=	0.05	0.1	5.099	PR 98	RPD 1.1	None	PR 90-110 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 350.2	Ammonia as N	5.0637	mg/L	=	0.05	0.1	5.099	PR 99		None	PR 90-110	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Arsenic	22.18	µg/L	=	0.07	0.5	21.5	PR 103	RPD 0.4	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Arsenic	20.54	µg/L	=	0.07	0.5	20	PR 103		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Arsenic	22.1	µg/L	=	0.07	0.5	21.5	PR 103		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Arsenic	20.51	µg/L	=	0.07	0.5	20	PR 103	RPD 0.1	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Boron	30.32	µg/L	=	0.7	10	32	PR 93	RPD 1.5	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Boron	30.79	µg/L	=	0.7	10	32	PR 95		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Boron	20.99	µg/L	=	0.7	10	20.7	PR 101		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Boron	21.05	µg/L	=	0.7	10	20.7	PR 102	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Cadmium	19.75	µg/L	=	0.06	0.1	20.07	PR 98	RPD 1.1	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Cadmium	19.97	µg/L	=	0.06	0.1	20.07	PR 100		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Cadmium	20.63	µg/L	=	0.06	0.1	20	PR 103		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Cadmium	20.76	µg/L	=	0.06	0.1	20	PR 104	RPD 0.6	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Copper	29.34	µg/L	=	0.07	0.5	27.5	PR 109	RPD 0.2	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Copper	29.28	µg/L	=	0.07	0.5	27.5	PR 109		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Copper	21.35	µg/L	=	0.07	0.5	20	PR 107		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Copper	21.24	µg/L	=	0.07	0.5	20	PR 106	RPD 0.5	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 130.2	Hardness as CaCO3	102	mg/L	=	3	5	100	PR 102		None	PR 80-120	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 130.2	Hardness as CaCO3	102	mg/L	=	3	5	100	PR 102	RPD 0	None	PR 80-120 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 130.2	Hardness as CaCO3	148	mg/L	=	3	5	144	PR 104		None	PR 80-120	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 130.2	Hardness as CaCO3	142	mg/L	=	3	5	144	PR 98	RPD 4.1	None	PR 80-120 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Lead	22.01	µg/L	=	0.01	0.25	21.7	PR 102	RPD 0.5	None	PR 85-115 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Lead	22.11	µg/L	=	0.01	0.25	21.7	PR 102		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Lead	21.36	µg/L	=	0.01	0.25	20.04	PR 107		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Lead	21.52	µg/L	=	0.01	0.25	20.04	PR 107	RPD 0.7	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Nickel	28.19	µg/L	=	0.02	0.5	25.8	PR 112	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Nickel	28.27	µg/L	=	0.02	0.5	25.8	PR 113		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Nickel	21.4	µg/L	=	0.02	0.5	20.06	PR 107		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Nickel	21.36	µg/L	=	0.02	0.5	20.06	PR 107	RPD 0.2	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 300.0	Nitrate as N	5.484	mg/L	=	0.01	0.05	5.62	PR 97		None	PR 90-110	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 300.0	Nitrate as N	5.506	mg/L	=	0.01	0.05	5.62	PR 98	RPD 0.4	None	PR 90-110 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 354.1	Nitrite as N	0.202	mg/L	=	0.002	0.03	0.221	PR 91		None	PR 80-120	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 354.1	Nitrite as N	0.202	mg/L	=	0.002	0.03	0.221	PR 91	RPD 0	None	PR 80-120 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	4.7121	mg/L	=	0.06	0.1	5	PR 94		None	PR 90-110	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 351.3	Nitrogen, Total Kjeldahl	4.7999	mg/L	=	0.06	0.1	5	PR 96	RPD 1.8	None	PR 90-110 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 365.2	OrthoPhosphate as P	0.297	mg/L	=	0.01	0.01	0.296	PR 101		None	PR 90-110	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 365.2	OrthoPhosphate as P	0.295	mg/L	=	0.01	0.01	0.296	PR 100	RPD 0.7	None	PR 90-110 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 365.2	Phosphate as P	1.211	mg/L	=	0.01	0.01	1.2	PR 101	RPD 0.6	None	PR 90-110 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 365.2	Phosphate as P	1.218	mg/L	=	0.01	0.01	1.2	PR 102		None	PR 90-110	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Selenium	21.39	µg/L	=	0.1	1	20	PR 107		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Selenium	21.26	µg/L	=	0.1	1	20.33	PR 105		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Selenium	21.01	µg/L	=	0.1	1	20.33	PR 103	RPD 1.2	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Selenium	21.28	µg/L	=	0.1	1	20	PR 106	RPD 0.5	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 415.1	Total Organic Carbon	13.35	mg/L	=	0.1	0.5	14.2	PR 92	RPD 0.5	None	PR 80-120 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 415.1	Total Organic Carbon	13.29	mg/L	=	0.1	0.5	14.2	PR 91		None	PR 80-120	DF=1
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Zinc	22.2	µg/L	=	0.2	1	20.8	PR 107		None	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Zinc	35.78	µg/L	=	0.2	1	33	PR 112	RPD 3.4	None	PR 85-115 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Miles Creek @ Reilly Rd	MS	1.00	07/29/08	15:20	EPA 200.8	Zinc	37.01	µg/L	=	0.2	1	33	PR 118		Matrix spike recovery not within control limits	PR 85-115	DF=1
Miles Creek @ Reilly Rd	MS	2.00	07/29/08	15:20	EPA 200.8	Zinc	22.26	µg/L	=	0.2	1	20.8	PR 107	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Miles Creek @ Reilly Rd	MS	1.00	08/26/08	13:00	EPA 415.1	Total Organic Carbon	12.14	mg/L	=	0.1	0.5	12.7	PR 94		None	PR 80-120	DF=1
Miles Creek @ Reilly Rd	MS	2.00	08/26/08	13:00	EPA 415.1	Total Organic Carbon	12.27	mg/L	=	0.1	0.5	12.7	PR 96	RPD 1.1	None	PR 80-120 RPD <25	DF=1
Non Project QA Sample	MS	2.00	04/21/08	0:00	EPA 130.2	Hardness as CaCO3	104	mg/L	=	3	5	100	PR 104	RPD 1.9	Batch Quality Assurance data from another project	PR 80-120 RPD <25	DF=1
Non Project QA Sample	MS	1.00	04/21/08	0:00	EPA 130.2	Hardness as CaCO3	102	mg/L	=	3	5	100	PR 102		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Project QA Sample	MS	1.00	04/22/08	0:00	EPA 300.0	Nitrate as N	4.735	mg/L	=	0.01	0.05	5	PR 95		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	04/22/08	0:00	EPA 300.0	Nitrate as N	4.722	mg/L	=	0.01	0.05	5	PR 94	RPD 0.3	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	2.00	04/22/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.447	mg/L	=	0.06	0.1	6.8	PR 93	RPD 0.7	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	04/22/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.404	mg/L	=	0.06	0.1	6.8	PR 92		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	1.00	04/22/08	0:00	EPA 415.1	Total Organic Carbon	18.6	mg/L	=	0.3	0.5	17.1	PR 115		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Project QA Sample	MS	2.00	04/22/08	0:00	EPA 415.1	Total Organic Carbon	18.35	mg/L	=	0.3	0.5	17.1	PR 113	RPD 1.4	Batch Quality Assurance data from another project	PR 80-120 RPD <25	DF=1
Non Project QA Sample	MS	1.00	04/30/08	0:00	EPA 350.2	Ammonia as N	11.74	mg/L	=	0.04	0.1	11.8	PR 99		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	04/30/08	0:00	EPA 350.2	Ammonia as N	11.92	mg/L	=	0.04	0.1	11.8	PR 102	RPD 1.5	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	2.00	04/30/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	8.491	mg/L	=	0.06	0.1	8.9	PR 93	RPD 1.2	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	04/30/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.876	mg/L	=	0.06	0.1	5.94	PR 99		Batch QA from another project, RPD out of control limit	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	04/30/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.338	mg/L	=	0.06	0.1	5.94	PR 68	RPD 30	Batch Quality Assurance data from another project, Matrix spike recovery not within control limits, RPD outside control limits.	PR 90-110 RPD <25	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Non Project QA Sample	MS	1.00	04/30/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	8.589	mg/L	=	0.06	0.1	8.9	PR 95		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	1.00	05/07/08	0:00	EPA 130.2	Hardness as CaCO3	930	mg/L	=	20	20	990	PR 88		Analytes analyzed at secondary dilution; Batch quality assurance from another project.	PR 80-120	DF=5
Non Project QA Sample	MS	2.00	05/07/08	0:00	EPA 130.2	Hardness as CaCO3	920	mg/L	=	20	20	990	PR 86	RPD 1.1	Analytes analyzed at secondary dilution; Batch quality assurance from another project.	PR 80-120 RPD <25	DF=5
Non Project QA Sample	MS	2.00	05/08/08	0:00	EPA 200.8	Copper	23.31	µg/L	=	0.07	0.5	24	PR 96	RPD 0.6	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/08/08	0:00	EPA 200.8	Copper	23.44	µg/L	=	0.07	0.5	24	PR 97		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	1.00	05/21/08	0:00	EPA 200.8	Arsenic	20.64	µg/L	=	0.07	0.5	20.7	PR 100		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	05/21/08	0:00	EPA 200.8	Arsenic	20.47	µg/L	=	0.07	0.5	20.7	PR 99	RPD 0.8	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/21/08	0:00	EPA 200.8	Boron	36.43	µg/L	=	0.7	10	39	PR 86		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	05/21/08	0:00	EPA 200.8	Boron	36.75	µg/L	=	0.7	10	39	PR 88	RPD 0.9	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/21/08	0:00	EPA 200.8	Cadmium	19.94	µg/L	=	0.06	0.1	20	PR 100		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	05/21/08	0:00	EPA 200.8	Cadmium	20.55	µg/L	=	0.06	0.1	20	PR 103	RPD 3	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/21/08	0:00	EPA 200.8	Copper	79.42	µg/L	=	0.07	0.5	79	PR 102		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	05/21/08	0:00	EPA 200.8	Copper	79.54	µg/L	=	0.07	0.5	79	PR 102	RPD 0.2	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/21/08	0:00	EPA 200.8	Lead	22.13	µg/L	=	0.01	0.25	20.67	PR 107		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	05/21/08	0:00	EPA 200.8	Lead	22.35	µg/L	=	0.01	0.25	20.67	PR 108	RPD 1	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/21/08	0:00	EPA 200.8	Nickel	21.24	µg/L	=	0.02	0.5	20.9	PR 102		Batch Quality Assurance data from another project	PR 85-115	DF=1

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Non Project QA Sample	MS	2.00	05/21/08	0:00	EPA 200.8	Nickel	21.52	µg/L	=	0.02	0.5	20.9	PR 103	RPD 1.3	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/21/08	0:00	EPA 200.8	Selenium	19.43	µg/L	=	0.1	1	20	PR 97		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	05/21/08	0:00	EPA 200.8	Selenium	19.41	µg/L	=	0.1	1	20	PR 97	RPD 0.1	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	2.00	05/21/08	0:00	EPA 200.8	Zinc	80.01	µg/L	=	0.2	1	82	PR 91	RPD 0	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/21/08	0:00	EPA 200.8	Zinc	80.02	µg/L	=	0.2	1	82	PR 91		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	05/22/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	8.2489	mg/L	=	0.06	0.1	8.5	PR 95	RPD 0.4	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/22/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	8.2159	mg/L	=	0.06	0.1	8.5	PR 94		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	1.00	05/27/08	0:00	EPA 300.0	Nitrate as N	6.581	mg/L	=	0.01	0.05	6.5	PR 101		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	05/27/08	0:00	EPA 300.0	Nitrate as N	6.557	mg/L	=	0.01	0.05	6.5	PR 100	RPD 0.4	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/28/08	0:00	EPA 200.8	Zinc	21.23	µg/L	=	0.2	1	22	PR 98		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	05/28/08	0:00	EPA 200.8	Zinc	21.52	µg/L	=	0.2	1	22	PR 100	RPD 1.4	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	05/29/08	0:00	EPA 350.2	Ammonia as N	5.2283	mg/L	=	0.04	0.1	5.24	PR 100		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	05/29/08	0:00	EPA 350.2	Ammonia as N	5.2283	mg/L	=	0.04	0.1	5.24	PR 100	RPD 0	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	2.00	06/03/08	0:00	EPA 130.2	Hardness as CaCO3	206	mg/L	=	3	5	210	PR 92	RPD 2.9	Batch Quality Assurance data from another project	PR 80-120 RPD <25	DF=1
Non Project QA Sample	MS	1.00	06/03/08	0:00	EPA 130.2	Hardness as CaCO3	212	mg/L	=	3	5	210	PR 98		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Project QA Sample	MS	1.00	06/03/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	9.0067	mg/L	=	0.06	0.1	9.2	PR 97		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	06/03/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	8.864	mg/L	=	0.06	0.1	9.2	PR 94	RPD 1.6	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1

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Non Project QA Sample	MS	2.00	06/04/08	0:00	EPA 130.2	Hardness as CaCO3	930	mg/L	=	20	20	1000	PR 86	RPD 5.2	Analytes analyzed at secondary dilution; Batch quality assurance from another project.	PR 80-120 RPD <25	DF=5
Non Project QA Sample	MS	1.00	06/04/08	0:00	EPA 130.2	Hardness as CaCO3	980	mg/L	=	20	20	1000	PR 96		Analytes analyzed at secondary dilution; Batch quality assurance from another project.	PR 80-120	DF=5
Non Project QA Sample	MS	1.00	06/10/08	0:00	EPA 200.8	Copper	22.29	µg/L	=	0.07	0.5	21.8	PR 102		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	06/10/08	0:00	EPA 200.8	Copper	22.18	µg/L	=	0.07	0.5	21.8	PR 102	RPD 0.5	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	2.00	06/10/08	0:00	EPA 130.2	Hardness as CaCO3	810	mg/L	=	20	20	890	PR 84	RPD 3.8	Analytes analyzed at secondary dilution; Batch quality assurance from another project.	PR 80-120 RPD <25	DF=5
Non Project QA Sample	MS	1.00	06/10/08	0:00	EPA 130.2	Hardness as CaCO3	780	mg/L	=	20	20	890	PR 78		Analytes analyzed at a secondary dilution; Batch Quality Assurance data from another project; Matrix spike recovery not within control limits.	PR 80-120	DF=5
Non Project QA Sample	MS	2.00	06/12/08	0:00	EPA 350.2	Ammonia as N	4.8549	mg/L	=	0.04	0.1	5	PR 97	RPD 0.5	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	06/12/08	0:00	EPA 350.2	Ammonia as N	4.8768	mg/L	=	0.04	0.1	5	PR 98		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	06/13/08	0:00	EPA 200.8	Copper	78.27	µg/L	=	0.07	0.5	74	PR 121	RPD 4.1	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	06/13/08	0:00	EPA 200.8	Copper	75.13	µg/L	=	0.07	0.5	74	PR 106		Batch Quality Assurance data from another project; Matrix spike recovery not within control limits	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	06/13/08	0:00	EPA 365.2	Phosphate as P	0.969	mg/L	=	0.01	0.01	1.016	PR 95	RPD 0	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	06/13/08	0:00	EPA 365.2	Phosphate as P	0.969	mg/L	=	0.01	0.01	1.016	PR 95		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	1.00	06/17/08	0:00	EPA 350.2	Ammonia as N	5.2173	mg/L	=	0.04	0.1	5.12	PR 102		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	06/17/08	0:00	EPA 350.2	Ammonia as N	5.2832	mg/L	=	0.04	0.1	5.12	PR 103	RPD 1.3	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1

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Non Project QA Sample	MS	1.00	06/17/08	0:00	EPA 130.2	Hardness as CaCO3	950	mg/L	=	20	20	810	PR 128		Analytes analyzed at a secondary dilution; Batch Quality Assurance data from another project; Matrix spike recovery not within control limits.	PR 80-120	DF=5
Non Project QA Sample	MS	2.00	06/17/08	0:00	EPA 130.2	Hardness as CaCO3	1020	mg/L	=	20	20	810	PR 142	RPD 7.1	Analytes analyzed at a secondary dilution; Batch Quality Assurance data from another project; Matrix spike recovery not within control limits.	PR 80-120 RPD <25	DF=5
Non Project QA Sample	MS	1.00	06/17/08	0:00	EPA 300.0	Nitrate as N	8.542	mg/L	=	0.01	0.05	8.3	PR 104		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	06/17/08	0:00	EPA 300.0	Nitrate as N	8.764	mg/L	=	0.01	0.05	8.3	PR 109	RPD 2.6	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	06/24/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	12.3019	mg/L	=	0.06	0.1	12.2	PR 102		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	06/24/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	11.9394	mg/L	=	0.06	0.1	12.2	PR 95	RPD 3	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	07/08/08	9:00	EPA 200.8	Copper	22.23	µg/L	=	0.07	0.5	21.2	PR 105		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	07/08/08	9:00	EPA 200.8	Copper	21.92	µg/L	=	0.07	0.5	21.2	PR 104	RPD 1.4	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	07/08/08	13:36	EPA 130.2	Hardness as CaCO3	730	mg/L	=	20	20	750	PR 96		Analytes analyzed at a secondary dilution.	PR 80-120	DF=5
Non Project QA Sample	MS	2.00	07/08/08	13:36	EPA 130.2	Hardness as CaCO3	740	mg/L	=	20	20	750	PR 98	RPD 1.4	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=5
Non Project QA Sample	MS	1.00	07/15/08	15:20	EPA 365.2	Phosphate as P	1.51	mg/L	=	0.01	0.01	1.52	PR 100		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	07/15/08	15:20	EPA 365.2	Phosphate as P	1.514	mg/L	=	0.01	0.01	1.52	PR 100	RPD 0.3	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	07/16/08	12:30	EPA 130.2	Hardness as CaCO3	304	mg/L	=	6	10	310	PR 99		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Non Project QA Sample	MS	2.00	07/16/08	12:30	EPA 130.2	Hardness as CaCO3	304	mg/L	=	6	10	310	PR 99	RPD 0	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=2
Non Project QA Sample	MS	2.00	07/22/08	12:00	EPA 350.2	Ammonia as N	10.0611	mg/L	=	0.05	0.1	9.9	PR 103	RPD 2.1	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	07/22/08	12:00	EPA 350.2	Ammonia as N	9.8524	mg/L	=	0.05	0.1	9.9	PR 98		Batch Quality Assurance data from another project	PR 90-110	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Non Project QA Sample	MS	2.00	07/29/08	8:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.5245	mg/L	=	0.06	0.1	5.99	PR 111	RPD 1	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	07/29/08	8:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.5904	mg/L	=	0.06	0.1	5.99	PR 112		Matrix spike recovery not within control limits	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	07/30/08	16:00	EPA 200.8	Zinc	35.21	µg/L	=	0.2	1	32	PR 115	RPD 1.3	None	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	07/30/08	16:00	EPA 200.8	Zinc	35.66	µg/L	=	0.2	1	32	PR 117		Matrix spike recovery not within control limits	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	08/01/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.8549	mg/L	=	0.06	0.1	5	PR 97	RPD 3.8	None	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/01/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0416	mg/L	=	0.06	0.1	5	PR 101		None	PR 90-110	DF=1
Non Project QA Sample	MS	1.00	08/04/08	10:25	EPA 130.2	Hardness as CaCO3	152	mg/L	=	3	5	152	PR 100		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Project QA Sample	MS	2.00	08/04/08	10:25	EPA 130.2	Hardness as CaCO3	152	mg/L	=	3	5	152	PR 100	RPD 0	Batch Quality Assurance data from another project	PR 80-120 RPD <25	DF=1
Non Project QA Sample	MS	2.00	08/06/08	0:00	EPA 200.8	Copper	20.51	µg/L	=	0.07	0.5	20.4	PR 101	RPD 0	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/06/08	0:00	EPA 200.8	Copper	20.52	µg/L	=	0.07	0.5	20.4	PR 101		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	08/12/08	10:20	EPA 365.2	Phosphate as P	1.069	mg/L	=	0.01	0.01	1.086	PR 98	RPD 0	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/12/08	10:20	EPA 365.2	Phosphate as P	1.069	mg/L	=	0.01	0.01	1.086	PR 98		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	1.00	08/15/08	12:15	EPA 130.2	Hardness as CaCO3	188	mg/L	=	3	5	186	PR 102		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Project QA Sample	MS	2.00	08/15/08	12:15	EPA 130.2	Hardness as CaCO3	192	mg/L	=	3	5	186	PR 106	RPD 2.1	Batch Quality Assurance data from another project	PR 80-120 RPD <25	DF=1
Non Project QA Sample	MS	2.00	08/18/08	10:15	EPA 200.8	Arsenic	20.28	µg/L	=	0.07	0.5	20	PR 101	RPD 1.1	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/18/08	10:15	EPA 200.8	Arsenic	20.05	µg/L	=	0.07	0.5	20	PR 100		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	08/18/08	10:15	EPA 200.8	Boron	21.62	µg/L	=	0.7	10	22	PR 99	RPD 0.1	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/18/08	10:15	EPA 200.8	Boron	21.59	µg/L	=	0.7	10	22	PR 98		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	08/18/08	10:15	EPA 200.8	Cadmium	20.19	µg/L	=	0.06	0.1	20	PR 101	RPD 0.1	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Non Project QA Sample	MS	1.00	08/18/08	10:15	EPA 200.8	Cadmium	20.17	µg/L	=	0.06	0.1	20	PR 101		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	08/18/08	10:15	EPA 200.8	Copper	21.36	µg/L	=	0.07	0.5	20.2	PR 106	RPD 0	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/18/08	10:15	EPA 200.8	Copper	21.36	µg/L	=	0.07	0.5	20.2	PR 106		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	08/18/08	10:15	EPA 200.8	Lead	21.71	µg/L	=	0.01	0.25	20.03	PR 108	RPD 0.9	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/18/08	10:15	EPA 200.8	Lead	21.9	µg/L	=	0.01	0.25	20.03	PR 109		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	1.00	08/18/08	10:15	EPA 200.8	Nickel	21.26	µg/L	=	0.02	0.5	20.2	PR 105		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	08/18/08	10:15	EPA 200.8	Nickel	21.3	µg/L	=	0.02	0.5	20.2	PR 106	RPD 0.2	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	2.00	08/18/08	10:15	EPA 200.8	Selenium	21.26	µg/L	=	0.1	1	21.3	PR 100	RPD 0.7	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/18/08	10:15	EPA 200.8	Selenium	21.11	µg/L	=	0.1	1	21.3	PR 99		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	1.00	08/18/08	11:00	EPA 415.1	Total Organic Carbon	15.55	mg/L	=	0.1	0.5	16	PR 96		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Project QA Sample	MS	2.00	08/18/08	11:00	EPA 415.1	Total Organic Carbon	15.41	mg/L	=	0.1	0.5	16	PR 94	RPD 0.9	Batch Quality Assurance data from another project	PR 80-120 RPD <25	DF=1
Non Project QA Sample	MS	2.00	08/18/08	10:15	EPA 200.8	Zinc	37.77	µg/L	=	0.2	1	38	PR 100	RPD 0.4	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/18/08	10:15	EPA 200.8	Zinc	37.94	µg/L	=	0.2	1	38	PR 101		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	1.00	08/19/08	8:49	EPA 300.0	Nitrate as N	4.697	mg/L	=	0.01	0.05	5	PR 94		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	08/19/08	8:49	EPA 300.0	Nitrate as N	4.691	mg/L	=	0.01	0.05	5	PR 94	RPD 0.1	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/19/08	6:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.3931	mg/L	=	0.06	0.1	6.1	PR 85		Batch Quality Assurance data from another project; Matrix spike recovery not within control limits	PR 90-110	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Non Project QA Sample	MS	2.00	08/19/08	6:30	EPA 351.3	Nitrogen, Total Kjeldahl	5.1954	mg/L	=	0.06	0.1	6.1	PR 82	RPD 3.7	Batch Quality Assurance data from another project; Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/20/08	11:50	EPA 350.2	Ammonia as N	5.1733	mg/L	=	0.05	0.1	5.21	PR 99		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	08/20/08	11:50	EPA 350.2	Ammonia as N	5.2172	mg/L	=	0.05	0.1	5.21	PR 100	RPD 0.8	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	2.00	08/29/08	12:35	EPA 130.2	Hardness as CaCO3	194	mg/L	=	3	5	192	PR 102	RPD 1	Batch Quality Assurance data from another project	PR 80-120 RPD <25	DF=1
Non Project QA Sample	MS	1.00	08/29/08	12:35	EPA 130.2	Hardness as CaCO3	196	mg/L	=	3	5	192	PR 104		Batch Quality Assurance data from another project	PR 80-120	DF=1
Non Project QA Sample	MS	1.00	09/18/08	11:27	EPA 130.2	Hardness as CaCO3	850	mg/L	=	20	20	840	PR 102		Analytes analyzed at secondary dilution; Batch quality assurance from another project.	PR 80-120	DF=5
Non Project QA Sample	MS	2.00	09/18/08	11:27	EPA 130.2	Hardness as CaCO3	850	mg/L	=	20	20	840	PR 102	RPD 0	Analytes analyzed at secondary dilution; Batch quality assurance from another project.	PR 80-120 RPD <25	DF=5
Non Project QA Sample	MS	1.00	09/18/08	11:27	EPA 365.2	Phosphate as P	1.156	mg/L	=	0.01	0.01	1.19	PR 97		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	09/18/08	11:27	EPA 365.2	Phosphate as P	1.149	mg/L	=	0.01	0.01	1.19	PR 96	RPD 0.6	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	09/23/08	9:00	EPA 300.0	Nitrate as N	5.231	mg/L	=	0.01	0.05	5.41	PR 96		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	09/23/08	9:00	EPA 300.0	Nitrate as N	5.226	mg/L	=	0.01	0.05	5.41	PR 96	RPD 0.1	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	2.00	09/23/08	8:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.0191	mg/L	=	0.06	0.1	5.98	PR 101	RPD 1.8	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	09/23/08	8:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.9093	mg/L	=	0.06	0.1	5.98	PR 99		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	09/29/08	10:20	EPA 350.2	Ammonia as N	6.3816	mg/L	=	0.05	0.1	6.4	PR 100	RPD 0.9	Batch Quality Assurance data from another project	PR 90-110 RPD <25	DF=1
Non Project QA Sample	MS	1.00	09/29/08	10:20	EPA 350.2	Ammonia as N	6.4365	mg/L	=	0.05	0.1	6.4	PR 101		Batch Quality Assurance data from another project	PR 90-110	DF=1
Non Project QA Sample	MS	2.00	09/29/08	8:30	EPA 200.8	Copper	20.13	µg/L	=	0.07	0.5	20.2	PR 100	RPD 2.5	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Non Project QA Sample	MS	1.00	09/29/08	8:30	EPA 200.8	Copper	20.64	µg/L	=	0.07	0.5	20.2	PR 102		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	10/02/08	8:19	EPA 200.8	Arsenic	22.51	µg/L	=	0.07	0.5	20.9	PR 108	RPD 4.1	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	10/02/08	8:19	EPA 200.8	Arsenic	21.6	µg/L	=	0.07	0.5	20.9	PR 104		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	10/02/08	8:19	EPA 200.8	Boron	448.9	µg/L	=	0.7	10	410	PR 279	RPD 5.4	Batch Quality Assurance data from another project; Matrix spike recovery not within control limits	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	10/02/08	8:19	EPA 200.8	Boron	425.4	µg/L	=	0.7	10	410	PR 162		Batch Quality Assurance data from another project; Matrix spike recovery not within control limits	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	10/02/08	8:19	EPA 200.8	Cadmium	19.94	µg/L	=	0.06	0.1	20	PR 100	RPD 4.4	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	10/02/08	8:19	EPA 200.8	Cadmium	19.09	µg/L	=	0.06	0.1	20	PR 95		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	10/02/08	8:19	EPA 200.8	Copper	26.17	µg/L	=	0.07	0.5	24.5	PR 109	RPD 4.6	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	10/02/08	8:19	EPA 200.8	Copper	25	µg/L	=	0.07	0.5	24.5	PR 103		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	10/02/08	8:19	EPA 200.8	Lead	20.79	µg/L	=	0.01	0.25	20.2	PR 103	RPD 3.3	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	10/02/08	8:19	EPA 200.8	Lead	20.11	µg/L	=	0.01	0.25	20.2	PR 100		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	10/02/08	8:19	EPA 200.8	Nickel	26.83	µg/L	=	0.02	0.5	24.6	PR 111	RPD 5.3	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	10/02/08	8:19	EPA 200.8	Nickel	25.45	µg/L	=	0.02	0.5	24.6	PR 104		Batch Quality Assurance data from another project	PR 85-115	DF=1
Non Project QA Sample	MS	2.00	10/02/08	8:19	EPA 200.8	Selenium	23.83	µg/L	=	0.1	1	20.73	PR 116	RPD 3.7	Batch Quality Assurance data from another project; Matrix spike recovery not within control limits	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	10/02/08	8:19	EPA 200.8	Selenium	22.97	µg/L	=	0.1	1	20.73	PR 111		Batch Quality Assurance data from another project	PR 85-115	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Non Project QA Sample	MS	2.00	10/02/08	8:19	EPA 200.8	Zinc	31.28	µg/L	=	0.2	1	31	PR 100	RPD 4.1	Batch Quality Assurance data from another project	PR 85-115 RPD <25	DF=1
Non Project QA Sample	MS	1.00	10/02/08	8:19	EPA 200.8	Zinc	30.02	µg/L	=	0.2	1	31	PR 94		Batch Quality Assurance data from another project	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 350.2	Ammonia as N	5.1514	mg/L	=	0.05	0.1	5.27	PR 98		None	PR 90-110	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 350.2	Ammonia as N	5.0855	mg/L	=	0.05	0.1	5.27	PR 96	RPD 1.3	None	PR 90-110 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 200.8	Arsenic	19.38	µg/L	=	0.07	0.5	21.5	PR 89	RPD 5.1	None	PR 85-115 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 200.8	Arsenic	20.4	µg/L	=	0.07	0.5	21.5	PR 95		None	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 200.8	Boron	29.49	µg/L	=	0.7	10	32	PR 89	RPD 5.4	None	PR 85-115 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 200.8	Boron	31.14	µg/L	=	0.7	10	32	PR 97		None	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 200.8	Cadmium	18.17	µg/L	=	0.06	0.1	20.08	PR 90	RPD 5.4	None	PR 85-115 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 200.8	Cadmium	19.18	µg/L	=	0.06	0.1	20.08	PR 96		None	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 200.8	Copper	32.35	µg/L	=	0.07	0.5	32	PR 101	RPD 7.6	None	PR 85-115 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 200.8	Copper	34.91	µg/L	=	0.07	0.5	32	PR 114		None	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 130.2	Hardness as CaCO3	590	mg/L	=	20	20	660	PR 86		Analytes analyzed at a secondary dilution.	PR 80-120	DF=5
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 130.2	Hardness as CaCO3	580	mg/L	=	20	20	660	PR 84	RPD 1.7	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=5
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 200.8	Lead	21.86	µg/L	=	0.01	0.25	21.7	PR 101		None	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 200.8	Lead	20.76	µg/L	=	0.01	0.25	21.7	PR 95	RPD 5.2	None	PR 85-115 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 200.8	Nickel	26.81	µg/L	=	0.02	0.5	25.6	PR 106	RPD 6	None	PR 85-115 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 200.8	Nickel	28.47	µg/L	=	0.02	0.5	25.6	PR 114		None	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 300.0	Nitrate as N	5.934	mg/L	=	0.01	0.05	5.96	PR 99		None	PR 90-110	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 300.0	Nitrate as N	5.981	mg/L	=	0.01	0.05	5.96	PR 100	RPD 0.8	None	PR 90-110 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 354.1	Nitrite as N	0.225	mg/L	=	0.002	0.03	0.232	PR 97		None	PR 80-120	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 354.1	Nitrite as N	0.224	mg/L	=	0.002	0.03	0.232	PR 96	RPD 0.4	None	PR 80-120 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	7.0406	mg/L	=	0.06	0.1	6.6	PR 108	RPD 4	None	PR 90-110 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 351.3	Nitrogen, Total Kjeldahl	6.766	mg/L	=	0.06	0.1	6.6	PR 103		None	PR 90-110	DF=1

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Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 365.2	OrthoPhosphate as P	0.474	mg/L	=	0.01	0.01	0.47	PR 103	RPD 1.3	None	PR 90-110 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 365.2	OrthoPhosphate as P	0.48	mg/L	=	0.01	0.01	0.47	PR 106		None	PR 90-110	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 365.2	Phosphate as P	1.464	mg/L	=	0.01	0.01	1.54	PR 93		None	PR 90-110	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 365.2	Phosphate as P	1.47	mg/L	=	0.01	0.01	1.54	PR 93	RPD 0.4	None	PR 90-110 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 200.8	Selenium	18.42	µg/L	=	0.1	1	20.27	PR 91		None	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 200.8	Selenium	17.55	µg/L	=	0.1	1	20.27	PR 86	RPD 4.8	None	PR 85-115 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 415.1	Total Organic Carbon	14.42	mg/L	=	0.1	0.5	14.5	PR 99		None	PR 80-120	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 415.1	Total Organic Carbon	14.58	mg/L	=	0.1	0.5	14.9	PR 97		None	PR 80-120	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 415.1	Total Organic Carbon	14.54	mg/L	=	0.1	0.5	14.9	PR 97	RPD 0.3	None	PR 80-120 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 415.1	Total Organic Carbon	14.45	mg/L	=	0.1	0.5	14.5	PR 99	RPD 0.2	None	PR 80-120 RPD <25	DF=1
Silva Drain @ Meadow Dr	MS	1.00	07/22/08	11:00	EPA 200.8	Zinc	47.72	µg/L	=	0.2	1	40	PR 139		Matrix spike recovery not within control limits	PR 85-115	DF=1
Silva Drain @ Meadow Dr	MS	2.00	07/22/08	11:00	EPA 200.8	Zinc	42.68	µg/L	=	0.2	1	40	PR 114	RPD 11	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 350.2	Ammonia as N	5.0636	mg/L	=	0.04	0.1	5.19	PR 98		None	PR 90-110	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 350.2	Ammonia as N	5.0526	mg/L	=	0.04	0.1	5.19	PR 97	RPD 0.2	None	PR 90-110 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 200.8	Arsenic	26.42	µg/L	=	0.07	0.5	26.9	PR 98	RPD 0.6	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 200.8	Arsenic	26.26	µg/L	=	0.07	0.5	26.9	PR 97		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 200.8	Boron	155.5	µg/L	=	0.7	10	150	PR 111		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 200.8	Boron	153.9	µg/L	=	0.7	10	150	PR 103	RPD 1	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 200.8	Cadmium	18.45	µg/L	=	0.06	0.1	20	PR 92		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 200.8	Cadmium	18.39	µg/L	=	0.06	0.1	20	PR 92	RPD 0.3	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 200.8	Copper	21.35	µg/L	=	0.07	0.5	22.5	PR 94	RPD 0.5	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 200.8	Copper	21.24	µg/L	=	0.07	0.5	22.5	PR 94		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 130.2	Hardness as CaCO3	870	mg/L	=	20	20	940	PR 86	RPD 3.4	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=5
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 130.2	Hardness as CaCO3	900	mg/L	=	20	20	940	PR 92		Analytes analyzed at a secondary dilution.	PR 80-120	DF=5
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 200.8	Lead	20.1	µg/L	=	0.01	0.25	20.31	PR 99		None	PR 85-115	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 200.8	Lead	20.13	µg/L	=	0.01	0.25	20.31	PR 99	RPD 0.1	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 200.8	Nickel	21.44	µg/L	=	0.02	0.5	22.3	PR 95		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 200.8	Nickel	21.46	µg/L	=	0.02	0.5	22.3	PR 96	RPD 0.1	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 300.0	Nitrate as N	34.084	mg/L	=	0.01	0.05	28	PR 212	RPD 0.5	Matrix spike recovery not within control limits	PR 90-110 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 300.0	Nitrate as N	34.241	mg/L	=	0.01	0.05	28	PR 216		Matrix spike recovery not within control limits	PR 90-110	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 354.1	Nitrite as N	0.751	mg/L	=	0.008	0.06	0.82	PR 83	RPD 3.8	Analytes analyzed at a secondary dilution.	PR 80-120 RPD <25	DF=2
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 354.1	Nitrite as N	0.78	mg/L	=	0.008	0.06	0.82	PR 90		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 351.3	Nitrogen, Total Kjeldahl	5.6018	mg/L	=	0.06	0.1	5.91	PR 94		None	PR 90-110	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 351.3	Nitrogen, Total Kjeldahl	5.767	mg/L	=	0.06	0.1	5.91	PR 97	RPD 2.9	None	PR 90-110 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 365.2	OrthoPhosphate as P	0.524	mg/L	=	0.01	0.01	0.54	PR 91	RPD 0.2	None	PR 90-110 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 365.2	OrthoPhosphate as P	0.525	mg/L	=	0.01	0.01	0.54	PR 91		None	PR 90-110	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 365.2	Phosphate as P	1.395	mg/L	=	0.01	0.01	1.47	PR 93		None	PR 90-110	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 365.2	Phosphate as P	1.402	mg/L	=	0.01	0.01	1.47	PR 94	RPD 0.5	None	PR 90-110 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 200.8	Selenium	19.93	µg/L	=	0.1	1	21.2	PR 94	RPD 1.4	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 200.8	Selenium	19.66	µg/L	=	0.1	1	21.2	PR 92		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 415.1	Total Organic Carbon	14.72	mg/L	=	0.3	0.5	15.5	PR 93		None	PR 80-120	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 415.1	Total Organic Carbon	14.94	mg/L	=	0.3	0.5	15.5	PR 95	RPD 1.5	None	PR 80-120 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	05/20/08	8:50	EPA 200.8	Zinc	22.55	µg/L	=	0.2	1	25	PR 90		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	05/20/08	8:50	EPA 200.8	Zinc	22.27	µg/L	=	0.2	1	25	PR 89	RPD 1.2	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 200.8	Arsenic	26.43	µg/L	=	0.07	0.5	26.8	PR 98	RPD 2.2	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 200.8	Arsenic	27.01	µg/L	=	0.07	0.5	26.8	PR 101		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 200.8	Boron	147.9	µg/L	=	0.7	10	150	PR 108	RPD 5.3	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 200.8	Boron	156	µg/L	=	0.7	10	150	PR 149		Matrix spike recovery not within control limits	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 200.8	Cadmium	18.82	µg/L	=	0.06	0.1	20	PR 94		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 200.8	Cadmium	18.48	µg/L	=	0.06	0.1	20	PR 92	RPD 1.8	None	PR 85-115 RPD <25	DF=1

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Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 200.8	Copper	21.23	µg/L	=	0.07	0.5	22.6	PR 93	RPD 1.9	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 200.8	Copper	21.64	µg/L	=	0.07	0.5	22.6	PR 95		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 200.8	Lead	20.55	µg/L	=	0.01	0.25	20.18	PR 102	RPD 2.3	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 200.8	Lead	21.02	µg/L	=	0.01	0.25	20.18	PR 104		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 200.8	Nickel	22.58	µg/L	=	0.02	0.5	23.9	PR 93	RPD 2.1	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 200.8	Nickel	23.06	µg/L	=	0.02	0.5	23.9	PR 96		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 200.8	Selenium	21.78	µg/L	=	0.1	1	20.13	PR 108	RPD 2	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 200.8	Selenium	22.23	µg/L	=	0.1	1	20.13	PR 111		None	PR 85-115	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 415.1	Total Organic Carbon	14.45	mg/L	=	0.1	0.5	14.9	PR 96		None	PR 80-120	DF=1
Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 415.1	Total Organic Carbon	14.64	mg/L	=	0.1	0.5	14.9	PR 97	RPD 1.3	None	PR 80-120 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	2.00	07/22/08	9:00	EPA 200.8	Zinc	21.3	µg/L	=	0.2	1	23	PR 90	RPD 8	None	PR 85-115 RPD <25	DF=1
Westport Drain @ Vivian Rd	MS	1.00	07/22/08	9:00	EPA 200.8	Zinc	23.08	µg/L	=	0.2	1	23	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LabBlank	1.00	04/23/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/23/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/23/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/23/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/23/08	0:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/23/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/23/08	0:00	EPA 180.1	Turbidity	<0.03	NTU	ND	0.03	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/23/08	0:00	EPA 180.1	Turbidity	<0.03	NTU	ND	0.03	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/25/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/25/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/28/08	0:00	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/28/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/28/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1

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Laboratory QA Samples	LabBlank	1.00	04/28/08	0:00	EPA 200.8	Lead	0.03	µg/L	DNQ	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/28/08	0:00	EPA 200.8	Nickel	0.06	µg/L	DNQ	0.01	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/29/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Arsenic	<0.03	µg/L	ND	0.03	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Arsenic	<0.03	µg/L	ND	0.03	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Boron	1	µg/L	DNQ	0.2	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Cadmium	<0.02	µg/L	ND	0.02	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Copper	<0.1	µg/L	ND	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Copper	<0.1	µg/L	ND	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Lead	0.04	µg/L	DNQ	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Nickel	0.1	µg/L	DNQ	0.01	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Selenium	<0.22	µg/L	ND	0.22	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 180.1	Turbidity	<0.03	NTU	ND	0.03	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Zinc	0.9	µg/L	DNQ	0.6	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	04/30/08	0:00	EPA 200.8	Zinc	0.8	µg/L	DNQ	0.6	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/01/08	0:00	EPA 200.8	Boron	2	µg/L	DNQ	0.2	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/01/08	0:00	EPA 200.8	Selenium	<0.22	µg/L	ND	0.22	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/05/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/05/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	05/05/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/06/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/06/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/07/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/07/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/07/08	0:00	EPA 415.1	Total Organic Carbon	0.36	mg/L	DNQ	0.3	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/08/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/08/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/08/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/08/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/08/08	0:00	EPA 200.8	Selenium	0.16	µg/L	DNQ	0.11	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/08/08	0:00	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/08/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Selenium	0.14	µg/L	DNQ	0.11	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/09/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	05/13/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/13/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/13/08	0:00	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/19/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/20/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/21/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/21/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/21/08	0:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/21/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/21/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/22/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/24/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/27/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/27/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/28/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/28/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/28/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/28/08	0:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/28/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/28/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/29/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/29/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Boron	0.8	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Lead	0.01	µg/L	DNQ	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/30/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/31/08	0:00	EPA 200.8	Boron	1	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	05/31/08	0:00	EPA 200.8	Selenium	0.35	µg/L	DNQ	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/03/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/03/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/03/08	0:00	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/03/08	0:00	EPA 415.1	Total Organic Carbon	<0.3	mg/L	ND	0.3	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 200.8	Boron	0.8	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 200.8	Lead	0.03	µg/L	DNQ	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/04/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/05/08	0:00	EPA 200.8	Arsenic	<0.00006	µg/L	ND	0.00006	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/05/08	0:00	EPA 200.8	Boron	<0.0006	µg/L	ND	0.0006	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/05/08	0:00	EPA 200.8	Cadmium	<0.00005	µg/L	ND	0.00005	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/05/08	0:00	EPA 200.8	Copper	<0.00006	µg/L	ND	0.00006	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/05/08	0:00	EPA 200.8	Lead	0.02	µg/L	DNQ	0.000008	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/05/08	0:00	EPA 200.8	Nickel	<0.00002	µg/L	ND	0.00002	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/05/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/05/08	0:00	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.0002	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/06/08	0:00	EPA 200.8	Zinc	0.6	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/07/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/09/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/09/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/09/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/09/08	0:00	EPA 200.8	Selenium	0.36	µg/L	DNQ	0.00009	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/09/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/18/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/18/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/18/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/18/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/18/08	0:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	06/18/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/18/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/19/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/20/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/24/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/24/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/24/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	EPA 354.1	Nitrite as N	<0.004	mg/L	ND	0.004	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/25/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/26/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/26/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/26/08	0:00	EPA 415.1	Total Organic Carbon	<0.1	mg/L	ND	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/27/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	06/27/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/01/08	0:00	EPA 350.2	Ammonia as N	<0.04	mg/L	ND	0.04	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/01/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/01/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Lead	0.02	µg/L	DNQ	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Lead	0.04	µg/L	DNQ	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Nickel	0.07	µg/L	DNQ	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/02/08	0:00	EPA 200.8	Zinc	0.3	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Boron	1	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Boron	1	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Selenium	0.46	µg/L	DNQ	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Selenium	0.28	µg/L	DNQ	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 415.1	Total Organic Carbon	0.13	mg/L	DNQ	0.1	0.5				None	<RL	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	07/03/08	0:00	EPA 200.8	Zinc	0.2	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/08/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/09/08	0:00	EPA 200.8	Zinc	0.3	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 200.8	Lead	0.01	µg/L	DNQ	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 200.8	Selenium	0.32	µg/L	DNQ	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/10/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/11/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/13/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/17/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/21/08	0:00	EPA 200.8	Copper	0.1	µg/L	DNQ	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/23/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/23/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/23/08	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/23/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/23/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/24/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/28/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/29/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/29/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	07/29/08	0:00	EPA 415.1	Total Organic Carbon	0.26	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/30/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/30/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/30/08	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/30/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/30/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/30/08	0:00	EPA 415.1	Total Organic Carbon	0.24	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/30/08	0:00	EPA 415.1	Total Organic Carbon	0.4	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/30/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/31/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/31/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	07/31/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/01/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/01/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/03/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/03/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/03/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/03/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/03/08	0:00	EPA 200.8	Nickel	0.04	µg/L	DNQ	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/03/08	0:00	EPA 200.8	Zinc	0.2	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/04/08	0:00	EPA 200.8	Boron	0.9	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/04/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/05/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/06/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	08/06/08	0:00	EPA 415.1	Total Organic Carbon	0.14	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/06/08	0:00	EPA 415.1	Total Organic Carbon	0.18	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 200.8	Boron	1	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/07/08	0:00	EPA 200.8	Zinc	1	µg/L	=	0.2	1				Analyte present in the instrument blank	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/09/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/09/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/09/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/09/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/09/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/09/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/12/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/12/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/13/08	0:00	EPA 200.8	Boron	0.9	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/13/08	0:00	EPA 200.8	Selenium	0.43	µg/L	DNQ	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/13/08	0:00	EPA 200.8	Zinc	0.3	µg/L	DNQ	0.2	1				None	<RL	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	08/13/08	0:00	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/15/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/15/08	0:00	EPA 200.8	Boron	0.8	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/15/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/15/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/15/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/15/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/15/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/15/08	0:00	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/20/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/20/08	0:00	EPA 200.8	Copper	0.1	µg/L	DNQ	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/20/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/20/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/20/08	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/20/08	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/20/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/20/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/21/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/21/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/25/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/26/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/26/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/27/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/27/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/27/08	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	<RL	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	08/27/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/27/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/27/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/28/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/28/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/28/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/28/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/28/08	0:00	EPA 415.1	Total Organic Carbon	0.12	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	08/28/08	0:00	EPA 415.1	Total Organic Carbon	0.15	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/02/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/02/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/02/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/04/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/04/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/04/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/04/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/04/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/04/08	0:00	EPA 200.8	Nickel	0.02	µg/L	DNQ	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/04/08	0:00	EPA 415.1	Total Organic Carbon	0.18	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/04/08	0:00	EPA 415.1	Total Organic Carbon	0.16	mg/L	DNQ	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Boron	1	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Boron	2	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/09/08	0:00	EPA 200.8	Zinc	0.6	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/10/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/11/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/12/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/12/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/12/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/12/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/12/08	0:00	EPA 200.8	Nickel	0.03	µg/L	DNQ	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/12/08	0:00	EPA 200.8	Selenium	0.23	µg/L	DNQ	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/12/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	09/13/08	0:00	EPA 200.8	Zinc	0.6	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/14/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/14/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/15/08	0:00	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/24/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/24/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/24/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/24/08	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/24/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/24/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/25/08	0:00	EPA 200.8	Copper	0.1	µg/L	DNQ	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/25/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	09/30/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 110.2	Color	<3	color units	ND	3	3				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 300.0	Nitrate as N	<0.01	mg/L	ND	0.01	0.05				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 354.1	Nitrite as N	<0.002	mg/L	ND	0.002	0.03				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 365.2	OrthoPhosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 200.8	Selenium	0.39	µg/L	DNQ	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 180.1	Turbidity	<0.02	NTU	ND	0.02	0.05				None	<RL	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	10/01/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/02/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/02/08	0:00	SM 9223 B	E. coli	<1	MPN / 100 mL	ND	1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/04/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/04/08	0:00	EPA 200.8	Boron	0.8	µg/L	DNQ	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/04/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/04/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/04/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/04/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/04/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/04/08	0:00	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/07/08	0:00	EPA 160.1	Dissolved Solids	<4	mg/L	ND	4	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/07/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	<0.06	mg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/07/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/07/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/07/08	0:00	EPA 415.1	Total Organic Carbon	<0.1	mg/L	ND	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/07/08	0:00	EPA 415.1	Total Organic Carbon	<0.1	mg/L	ND	0.1	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/08/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/08/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/08/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/09/08	0:00	EPA 365.2	Phosphate as P	<0.01	mg/L	ND	0.01	0.01				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 350.2	Ammonia as N	<0.05	mg/L	ND	0.05	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Arsenic	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Cadmium	<0.06	µg/L	ND	0.06	0.1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Copper	<0.07	µg/L	ND	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Lead	<0.01	µg/L	ND	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Lead	0.01	µg/L	DNQ	0.01	0.25				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Nickel	<0.02	µg/L	ND	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Selenium	0.31	µg/L	DNQ	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Zinc	0.5	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/10/08	0:00	EPA 200.8	Zinc	0.4	µg/L	DNQ	0.2	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/13/08	0:00	EPA 200.8	Boron	<0.7	µg/L	ND	0.7	10				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/13/08	0:00	EPA 200.8	Copper	0.09	µg/L	DNQ	0.07	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/13/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/13/08	0:00	EPA 200.8	Nickel	0.07	µg/L	DNQ	0.02	0.5				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/13/08	0:00	EPA 200.8	Selenium	<0.1	µg/L	ND	0.1	1				None	<RL	DF=1
Laboratory QA Samples	LabBlank	1.00	10/15/08	0:00	EPA 130.2	Hardness as CaCO3	<3	mg/L	ND	3	5				None	<RL	DF=1
Laboratory QA Samples	LCS	1.00	04/23/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	04/23/08	0:00	EPA 300.0	Nitrate as N	4.004	mg/L	=	0.01	0.05	4	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	04/23/08	0:00	EPA 300.0	Nitrate as N	4.176	mg/L	=	0.01	0.05	4	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	04/23/08	0:00	EPA 354.1	Nitrite as N	0.212	mg/L	=	0.004	0.03	0.2	PR 106		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	04/23/08	0:00	EPA 365.2	OrthoPhosphate as P	0.198	mg/L	=	0.01	0.01	0.2	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	04/23/08	0:00	EPA 180.1	Turbidity	4.1	NTU	=	0.03	0.05	4	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	04/23/08	0:00	EPA 180.1	Turbidity	4.1	NTU	=	0.03	0.05	4	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	04/25/08	0:00	EPA 350.2	Ammonia as N	5.053	mg/L	=	0.04	0.1	5	PR 101		None	PR 90-110	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	04/25/08	0:00	EPA 160.1	Dissolved Solids	512	mg/L	=	8	20	500	PR 102		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 200.8	Arsenic	20.07	µg/L	=	0.03	0.5	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 200.8	Boron	22.56	µg/L	=	0.2	10	20	PR 113		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 200.8	Cadmium	20.18	µg/L	=	0.02	0.1	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 200.8	Copper	20.22	µg/L	=	0.1	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 200.8	Lead	20.89	µg/L	=	0.01	0.25	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 200.8	Nickel	20.15	µg/L	=	0.01	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 200.8	Selenium	22.63	µg/L	=	0.22	1	20	PR 113		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/28/08	0:00	EPA 200.8	Zinc	21.63	µg/L	=	0.6	1	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/29/08	0:00	EPA 160.1	Dissolved Solids	492	mg/L	=	8	20	500	PR 98		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 200.8	Arsenic	20.28	µg/L	=	0.03	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 200.8	Boron	22.01	µg/L	=	0.2	10	20	PR 110		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 200.8	Cadmium	20.34	µg/L	=	0.02	0.1	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 200.8	Copper	21.09	µg/L	=	0.1	0.5	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 200.8	Lead	21.47	µg/L	=	0.01	0.25	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 200.8	Nickel	21.17	µg/L	=	0.01	0.5	20	PR 106		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 300.0	Nitrate as N	3.98	mg/L	=	0.01	0.05	4	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 354.1	Nitrite as N	0.208	mg/L	=	0.004	0.03	0.2	PR 104		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 365.2	OrthoPhosphate as P	0.196	mg/L	=	0.01	0.01	0.2	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 365.2	Phosphate as P	1.028	mg/L	=	0.01	0.01	1	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 200.8	Selenium	21.86	µg/L	=	0.22	1	20	PR 109		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 180.1	Turbidity	4.19	NTU	=	0.03	0.05	4	PR 105		None	PR 90-110	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	04/30/08	0:00	EPA 200.8	Zinc	22.15	µg/L	=	0.6	1	20	PR 111		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/05/08	0:00	EPA 350.2	Ammonia as N	4.898	mg/L	=	0.04	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/05/08	0:00	EPA 350.2	Ammonia as N	4.767	mg/L	=	0.04	0.1	5	PR 95		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/05/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.954	mg/L	=	0.06	0.1	5	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/06/08	0:00	EPA 160.1	Dissolved Solids	494	mg/L	=	8	20	500	PR 99		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	05/06/08	0:00	EPA 160.1	Dissolved Solids	488	mg/L	=	8	20	500	PR 98		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	05/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.986	mg/L	=	0.06	0.1	5	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/07/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.898	mg/L	=	0.06	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/07/08	0:00	EPA 365.2	Phosphate as P	1.033	mg/L	=	0.01	0.01	1	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/07/08	0:00	EPA 415.1	Total Organic Carbon	10.31	mg/L	=	0.3	0.5	10	PR 103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 200.8	Arsenic	18	µg/L	=	0.07	0.5	20	PR 90		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 200.8	Boron	19.82	µg/L	=	0.7	10	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 200.8	Cadmium	19.37	µg/L	=	0.06	0.1	20	PR 97		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 200.8	Copper	19.8	µg/L	=	0.07	0.5	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 200.8	Lead	21.24	µg/L	=	0.01	0.25	20	PR 106		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 200.8	Nickel	19.23	µg/L	=	0.02	0.5	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 200.8	Selenium	19.17	µg/L	=	0.11	1	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 415.1	Total Organic Carbon	9.571	mg/L	=	0.3	0.5	10	PR 96		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/08/08	0:00	EPA 200.8	Zinc	20.53	µg/L	=	0.2	1	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 200.8	Arsenic	19.42	µg/L	=	0.07	0.5	20	PR 97		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 200.8	Boron	18.28	µg/L	=	0.7	10	20	PR 91		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 200.8	Cadmium	19.45	µg/L	=	0.06	0.1	20	PR 97		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 200.8	Copper	19.59	µg/L	=	0.07	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 200.8	Lead	20.28	µg/L	=	0.01	0.25	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 200.8	Nickel	19.84	µg/L	=	0.02	0.5	20	PR 99		None	PR 85-115	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.569	mg/L	=	0.06	0.1	5	PR 91		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 200.8	Selenium	19.88	µg/L	=	0.11	1	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/09/08	0:00	EPA 200.8	Zinc	20.69	µg/L	=	0.2	1	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/13/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/13/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.887	mg/L	=	0.06	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/13/08	0:00	EPA 415.1	Total Organic Carbon	9.52	mg/L	=	0.3	0.5	10	PR 95		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/19/08	0:00	EPA 200.8	Copper	20.19	µg/L	=	0.07	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/20/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/21/08	0:00	EPA 300.0	Nitrate as N	4.152	mg/L	=	0.01	0.05	4	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/21/08	0:00	EPA 354.1	Nitrite as N	0.2	mg/L	=	0.004	0.03	0.2	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/21/08	0:00	EPA 180.1	Turbidity	4.15	NTU	=	0.02	0.05	4	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/21/08	0:00	EPA 180.1	Turbidity	4.15	NTU	=	0.02	0.05	4	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/22/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/24/08	0:00	EPA 350.2	Ammonia as N	5.0855	mg/L	=	0.04	0.1	5	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/27/08	0:00	EPA 160.1	Dissolved Solids	504	mg/L	=	8	20	500	PR 101		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	05/27/08	0:00	EPA 365.2	Phosphate as P	0.991	mg/L	=	0.01	0.01	1	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/28/08	0:00	EPA 300.0	Nitrate as N	3.973	mg/L	=	0.01	0.05	4	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/28/08	0:00	EPA 300.0	Nitrate as N	4.027	mg/L	=	0.01	0.05	4	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/28/08	0:00	EPA 354.1	Nitrite as N	0.202	mg/L	=	0.004	0.03	0.2	PR 101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/28/08	0:00	EPA 365.2	OrthoPhosphate as P	0.204	mg/L	=	0.01	0.01	0.2	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/28/08	0:00	EPA 180.1	Turbidity	4.1	NTU	=	0.02	0.05	4	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/29/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	05/29/08	0:00	EPA 365.2	Phosphate as P	1.007	mg/L	=	0.01	0.01	1	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 350.2	Ammonia as N	5.1075	mg/L	=	0.04	0.1	5	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Arsenic	19.22	µg/L	=	0.07	0.5	20	PR 96		None	PR 85-115	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Arsenic	19.48	µg/L	=	0.07	0.5	20	PR 97		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Boron	20.7	µg/L	=	0.7	10	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Boron	17.6	µg/L	=	0.7	10	20	PR 88		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Cadmium	19.75	µg/L	=	0.06	0.1	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Cadmium	20.01	µg/L	=	0.06	0.1	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Copper	19.62	µg/L	=	0.07	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Copper	20.19	µg/L	=	0.07	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Lead	21.01	µg/L	=	0.01	0.25	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Lead	20.85	µg/L	=	0.01	0.25	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Nickel	19.58	µg/L	=	0.02	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Nickel	20.14	µg/L	=	0.02	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Selenium	19.3	µg/L	=	0.1	1	20	PR 97		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Selenium	19.37	µg/L	=	0.1	1	20	PR 97		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	05/30/08	0:00	EPA 200.8	Zinc	21.29	µg/L	=	0.2	1	20	PR 106		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/03/08	0:00	EPA 160.1	Dissolved Solids	500	mg/L	=	8	20	500	PR 100		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	06/03/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/03/08	0:00	EPA 415.1	Total Organic Carbon	10.31	mg/L	=	0.3	0.5	10	PR 103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/03/08	0:00	EPA 415.1	Total Organic Carbon	10.28	mg/L	=	0.3	0.5	10	PR 103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Arsenic	19.8	µg/L	=	0.07	0.5	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Boron	21.7	µg/L	=	0.7	10	20	PR 109		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Cadmium	20.13	µg/L	=	0.06	0.1	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Copper	20.81	µg/L	=	0.07	0.5	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 130.2	Hardness as CaCO3	1020	mg/L	=	3	5	1000	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Lead	20.44	µg/L	=	0.01	0.25	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Nickel	20.59	µg/L	=	0.02	0.5	20	PR 103		None	PR 85-115	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 365.2	Phosphate as P	0.991	mg/L	=	0.01	0.01	1	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Selenium	20.6	µg/L	=	0.1	1	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Zinc	21.5	µg/L	=	0.2	1	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/04/08	0:00	EPA 200.8	Zinc	21.08	µg/L	=	0.2	1	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 200.8	Arsenic	19.21	µg/L	=	0.07	0.5	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 200.8	Boron	19.96	µg/L	=	0.7	10	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 200.8	Cadmium	19.56	µg/L	=	0.06	0.1	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 200.8	Copper	19.91	µg/L	=	0.07	0.5	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 200.8	Lead	20	µg/L	=	0.01	0.25	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 200.8	Nickel	19.92	µg/L	=	0.02	0.5	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.1514	mg/L	=	0.06	0.1	5	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 200.8	Selenium	20.27	µg/L	=	0.1	1	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/05/08	0:00	EPA 200.8	Zinc	20.41	µg/L	=	0.2	1	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.898	mg/L	=	0.06	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0855	mg/L	=	0.06	0.1	5	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/06/08	0:00	EPA 200.8	Zinc	21.54	µg/L	=	0.2	1	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/07/08	0:00	EPA 350.2	Ammonia as N	4.9976	mg/L	=	0.04	0.1	5	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/09/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/09/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/09/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.1075	mg/L	=	0.06	0.1	5	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/18/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/18/08	0:00	EPA 300.0	Nitrate as N	4.005	mg/L	=	0.01	0.05	4	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/18/08	0:00	EPA 300.0	Nitrate as N	3.814	mg/L	=	0.01	0.05	4	PR 95		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/18/08	0:00	EPA 354.1	Nitrite as N	0.208	mg/L	=	0.004	0.03	0.2	PR 104		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/18/08	0:00	EPA 365.2	OrthoPhosphate as P	0.204	mg/L	=	0.01	0.01	0.2	PR 102		None	PR 90-110	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	06/18/08	0:00	EPA 180.1	Turbidity	4.14	NTU	=	0.02	0.05	4	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/19/08	0:00	EPA 200.8	Copper	20.16	µg/L	=	0.07	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/19/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/24/08	0:00	EPA 350.2	Ammonia as N	5.0636	mg/L	=	0.04	0.1	5	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/24/08	0:00	EPA 160.1	Dissolved Solids	492	mg/L	=	8	20	500	PR 98		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	06/24/08	0:00	EPA 160.1	Dissolved Solids	492	mg/L	=	8	20	500	PR 98		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	06/25/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/25/08	0:00	EPA 200.8	Copper	20.07	µg/L	=	0.07	0.5	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	06/25/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/25/08	0:00	EPA 300.0	Nitrate as N	3.744	mg/L	=	0.01	0.05	4	PR 94		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/25/08	0:00	EPA 354.1	Nitrite as N	0.209	mg/L	=	0.004	0.03	0.2	PR 105		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/25/08	0:00	EPA 365.2	OrthoPhosphate as P	0.202	mg/L	=	0.01	0.01	0.2	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/25/08	0:00	EPA 365.2	Phosphate as P	1.039	mg/L	=	0.01	0.01	1	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/25/08	0:00	EPA 180.1	Turbidity	4.19	NTU	=	0.02	0.05	4	PR 105		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/26/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.9317	mg/L	=	0.06	0.1	5	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/26/08	0:00	EPA 365.2	Phosphate as P	0.953	mg/L	=	0.01	0.01	1	PR 95		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/26/08	0:00	EPA 415.1	Total Organic Carbon	10.09	mg/L	=	0.1	0.5	10	PR 101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	06/27/08	0:00	EPA 350.2	Ammonia as N	4.8768	mg/L	=	0.04	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	06/27/08	0:00	EPA 350.2	Ammonia as N	5.0196	mg/L	=	0.04	0.1	5	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/01/08	0:00	EPA 350.2	Ammonia as N	5.0306	mg/L	=	0.04	0.1	5	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/01/08	0:00	EPA 160.1	Dissolved Solids	504	mg/L	=	8	20	500	PR 101		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	07/01/08	0:00	EPA 365.2	Phosphate as P	0.981	mg/L	=	0.01	0.01	1	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Arsenic	19.56	µg/L	=	0.07	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Arsenic	19.46	µg/L	=	0.07	0.5	20	PR 97		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Cadmium	20.03	µg/L	=	0.06	0.1	20	PR 100		None	PR 85-115	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Cadmium	19.83	µg/L	=	0.06	0.1	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Copper	19.89	µg/L	=	0.07	0.5	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Copper	19.64	µg/L	=	0.07	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 130.2	Hardness as CaCO3	1020	mg/L	=	3	5	1000	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Lead	21.62	µg/L	=	0.01	0.25	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Lead	21.56	µg/L	=	0.01	0.25	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Nickel	20.02	µg/L	=	0.02	0.5	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Nickel	19.72	µg/L	=	0.02	0.5	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Selenium	20.29	µg/L	=	0.1	1	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Selenium	19.93	µg/L	=	0.1	1	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/02/08	0:00	EPA 200.8	Zinc	21.73	µg/L	=	0.2	1	20	PR 109		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Arsenic	19.28	µg/L	=	0.07	0.5	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Boron	20.54	µg/L	=	0.7	10	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Boron	20.05	µg/L	=	0.7	10	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Boron	17.96	µg/L	=	0.7	10	20	PR 90		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Cadmium	20.18	µg/L	=	0.06	0.1	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Copper	20.19	µg/L	=	0.07	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Lead	21.02	µg/L	=	0.01	0.25	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Nickel	20.27	µg/L	=	0.02	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Selenium	18.79	µg/L	=	0.1	1	20	PR 94		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 415.1	Total Organic Carbon	10.28	mg/L	=	0.1	0.5	10	PR 103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/03/08	0:00	EPA 200.8	Zinc	21.33	µg/L	=	0.2	1	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/08/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	07/09/08	0:00	EPA 200.8	Zinc	21.52	µg/L	=	0.2	1	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 200.8	Arsenic	20.16	µg/L	=	0.07	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 200.8	Boron	20.58	µg/L	=	0.7	10	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 200.8	Cadmium	20.72	µg/L	=	0.06	0.1	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 200.8	Copper	21.48	µg/L	=	0.07	0.5	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 200.8	Lead	20.54	µg/L	=	0.01	0.25	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 200.8	Nickel	20.71	µg/L	=	0.02	0.5	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.9098	mg/L	=	0.06	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 200.8	Selenium	20.99	µg/L	=	0.1	1	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/10/08	0:00	EPA 200.8	Zinc	22.24	µg/L	=	0.2	1	20	PR 111		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/11/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.7999	mg/L	=	0.06	0.1	5	PR 96		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/13/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.9867	mg/L	=	0.06	0.1	5	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/17/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/21/08	0:00	EPA 200.8	Copper	21.31	µg/L	=	0.07	0.5	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	07/23/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/23/08	0:00	EPA 300.0	Nitrate as N	3.852	mg/L	=	0.01	0.05	4	PR 96		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/23/08	0:00	EPA 354.1	Nitrite as N	0.208	mg/L	=	0.002	0.03	0.2	PR 104		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/23/08	0:00	EPA 365.2	OrthoPhosphate as P	0.198	mg/L	=	0.01	0.01	0.2	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/23/08	0:00	EPA 180.1	Turbidity	4.09	NTU	=	0.02	0.05	4	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/28/08	0:00	EPA 350.2	Ammonia as N	4.7229	mg/L	=	0.05	0.1	5	PR 94		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/29/08	0:00	EPA 160.1	Dissolved Solids	520	mg/L	=	8	20	500	PR 104		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	07/29/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/29/08	0:00	EPA 415.1	Total Organic Carbon	10.24	mg/L	=	0.1	0.5	10	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/30/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/30/08	0:00	EPA 300.0	Nitrate as N	4.065	mg/L	=	0.01	0.05	4	PR 102		None	PR 90-110	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	07/30/08	0:00	EPA 354.1	Nitrite as N	0.206	mg/L	=	0.002	0.03	0.2	PR 103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/30/08	0:00	EPA 365.2	OrthoPhosphate as P	0.209	mg/L	=	0.01	0.01	0.2	PR 105		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/30/08	0:00	EPA 365.2	Phosphate as P	1.029	mg/L	=	0.01	0.01	1	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/30/08	0:00	EPA 415.1	Total Organic Carbon	9.938	mg/L	=	0.1	0.5	10	PR 99		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/30/08	0:00	EPA 415.1	Total Organic Carbon	10.11	mg/L	=	0.1	0.5	10	PR 101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/30/08	0:00	EPA 180.1	Turbidity	4.2	NTU	=	0.02	0.05	4	PR 105		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	07/31/08	0:00	EPA 130.2	Hardness as CaCO3	1040	mg/L	=	3	5	1000	PR 104		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	07/31/08	0:00	EPA 365.2	Phosphate as P	0.986	mg/L	=	0.01	0.01	1	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/01/08	0:00	EPA 350.2	Ammonia as N	5.0086	mg/L	=	0.05	0.1	5	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/01/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0636	mg/L	=	0.06	0.1	5	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/03/08	0:00	EPA 200.8	Arsenic	19.21	µg/L	=	0.07	0.5	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/03/08	0:00	EPA 200.8	Cadmium	19.33	µg/L	=	0.06	0.1	20	PR 97		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/03/08	0:00	EPA 200.8	Copper	19.62	µg/L	=	0.07	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/03/08	0:00	EPA 200.8	Lead	21.56	µg/L	=	0.01	0.25	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/03/08	0:00	EPA 200.8	Nickel	19.7	µg/L	=	0.02	0.5	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/03/08	0:00	EPA 200.8	Selenium	21.06	µg/L	=	0.1	1	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/03/08	0:00	EPA 200.8	Zinc	20.58	µg/L	=	0.2	1	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/04/08	0:00	EPA 200.8	Boron	19.72	µg/L	=	0.7	10	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/04/08	0:00	EPA 160.1	Dissolved Solids	508	mg/L	=	8	20	500	PR 102		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	08/05/08	0:00	EPA 350.2	Ammonia as N	4.8769	mg/L	=	0.05	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0746	mg/L	=	0.06	0.1	5	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/06/08	0:00	EPA 415.1	Total Organic Carbon	9.486	mg/L	=	0.1	0.5	10	PR 95		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/06/08	0:00	EPA 415.1	Total Organic Carbon	9.635	mg/L	=	0.1	0.5	10	PR 96		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 200.8	Arsenic	18.65	µg/L	=	0.07	0.5	20	PR 93		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 200.8	Boron	18.82	µg/L	=	0.7	10	20	PR 94		None	PR 85-115	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 200.8	Cadmium	18.99	µg/L	=	0.06	0.1	20	PR 95		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 200.8	Copper	18.75	µg/L	=	0.07	0.5	20	PR 94		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 130.2	Hardness as CaCO3	1060	mg/L	=	3	5	1000	PR 106		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 200.8	Lead	20.2	µg/L	=	0.01	0.25	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 200.8	Nickel	18.63	µg/L	=	0.02	0.5	20	PR 93		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.8988	mg/L	=	0.06	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.8329	mg/L	=	0.06	0.1	5	PR 97		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 365.2	Phosphate as P	1.011	mg/L	=	0.01	0.01	1	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 200.8	Selenium	19.52	µg/L	=	0.1	1	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/07/08	0:00	EPA 200.8	Zinc	20.11	µg/L	=	0.2	1	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 200.8	Arsenic	20.47	µg/L	=	0.07	0.5	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 200.8	Boron	19.15	µg/L	=	0.7	10	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 200.8	Cadmium	20.17	µg/L	=	0.06	0.1	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 200.8	Copper	20.77	µg/L	=	0.07	0.5	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 130.2	Hardness as CaCO3	1020	mg/L	=	3	5	1000	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 200.8	Lead	20.46	µg/L	=	0.01	0.25	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 200.8	Nickel	20.84	µg/L	=	0.02	0.5	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 200.8	Selenium	21.13	µg/L	=	0.1	1	20	PR 106		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/09/08	0:00	EPA 200.8	Zinc	21.35	µg/L	=	0.2	1	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/12/08	0:00	EPA 130.2	Hardness as CaCO3	1060	mg/L	=	3	5	1000	PR 106		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/12/08	0:00	EPA 365.2	Phosphate as P	1.0105	mg/L	=	0.01	0.01	1	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/13/08	0:00	EPA 200.8	Zinc	22.54	µg/L	=	0.2	1	20	PR 113		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/15/08	0:00	EPA 200.8	Arsenic	20.52	µg/L	=	0.07	0.5	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/15/08	0:00	EPA 200.8	Boron	20.93	µg/L	=	0.7	10	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/15/08	0:00	EPA 200.8	Cadmium	20.38	µg/L	=	0.06	0.1	20	PR 102		None	PR 85-115	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	08/15/08	0:00	EPA 200.8	Copper	21.05	µg/L	=	0.07	0.5	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/15/08	0:00	EPA 200.8	Lead	20.89	µg/L	=	0.01	0.25	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/15/08	0:00	EPA 200.8	Nickel	21.11	µg/L	=	0.02	0.5	20	PR 106		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/15/08	0:00	EPA 200.8	Selenium	21.8	µg/L	=	0.1	1	20	PR 109		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/15/08	0:00	EPA 200.8	Zinc	22.29	µg/L	=	0.2	1	20	PR 111		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/20/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/20/08	0:00	EPA 200.8	Copper	20.78	µg/L	=	0.07	0.5	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	08/20/08	0:00	EPA 300.0	Nitrate as N	3.923	mg/L	=	0.01	0.05	4	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/20/08	0:00	EPA 300.0	Nitrate as N	3.894	mg/L	=	0.01	0.05	4	PR 97	RPD 0.7	None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/20/08	0:00	EPA 354.1	Nitrite as N	0.202	mg/L	=	0.002	0.03	0.2	PR 101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/20/08	0:00	EPA 354.1	Nitrite as N	0.202	mg/L	=	0.002	0.03	0.2	PR 101		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/20/08	0:00	EPA 365.2	OrthoPhosphate as P	0.199	mg/L	=	0.01	0.01	0.2	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/20/08	0:00	EPA 180.1	Turbidity	4.19	NTU	=	0.02	0.05	4	PR 105		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/21/08	0:00	EPA 300.0	Nitrate as N	4.025	mg/L	=	0.01	0.05	4	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/21/08	0:00	EPA 365.2	OrthoPhosphate as P	0.206	mg/L	=	0.01	0.01	0.2	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/25/08	0:00	EPA 160.1	Dissolved Solids	504	mg/L	=	8	20	500	PR 101		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	08/26/08	0:00	EPA 160.1	Dissolved Solids	488	mg/L	=	8	20	500	PR 98		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	08/26/08	0:00	EPA 130.2	Hardness as CaCO3	1080	mg/L	=	3	5	1000	PR 108		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/27/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/27/08	0:00	EPA 300.0	Nitrate as N	3.861	mg/L	=	0.01	0.05	4	PR 97		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/27/08	0:00	EPA 354.1	Nitrite as N	0.206	mg/L	=	0.002	0.03	0.2	PR 103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/27/08	0:00	EPA 365.2	OrthoPhosphate as P	0.199	mg/L	=	0.01	0.01	0.2	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/27/08	0:00	EPA 365.2	Phosphate as P	1.012	mg/L	=	0.01	0.01	1	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/27/08	0:00	EPA 180.1	Turbidity	4.22	NTU	=	0.02	0.05	4	PR 106		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/28/08	0:00	EPA 350.2	Ammonia as N	5.0085	mg/L	=	0.05	0.1	5	PR 100		None	PR 90-110	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	08/28/08	0:00	EPA 350.2	Ammonia as N	5.0525	mg/L	=	0.05	0.1	5	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/28/08	0:00	EPA 365.2	Phosphate as P	0.97	mg/L	=	0.01	0.01	1	PR 97		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	08/28/08	0:00	EPA 415.1	Total Organic Carbon	9.847	mg/L	=	0.1	0.5	10	PR 98		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	08/28/08	0:00	EPA 415.1	Total Organic Carbon	10	mg/L	=	0.1	0.5	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/02/08	0:00	EPA 160.1	Dissolved Solids	490	mg/L	=	8	20	500	PR 98		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	09/02/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0965	mg/L	=	0.06	0.1	5	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	09/02/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.1075	mg/L	=	0.06	0.1	5	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 350.2	Ammonia as N	5.0526	mg/L	=	0.05	0.1	5	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 200.8	Arsenic	19.62	µg/L	=	0.07	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 200.8	Cadmium	20.57	µg/L	=	0.06	0.1	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 200.8	Copper	21.33	µg/L	=	0.07	0.5	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 200.8	Lead	22.37	µg/L	=	0.01	0.25	20	PR 112		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 200.8	Nickel	21.4	µg/L	=	0.02	0.5	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 200.8	Selenium	19.99	µg/L	=	0.1	1	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 415.1	Total Organic Carbon	10	mg/L	=	0.1	0.5	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 415.1	Total Organic Carbon	10.23	mg/L	=	0.1	0.5	10	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/04/08	0:00	EPA 200.8	Zinc	22.35	µg/L	=	0.2	1	20	PR 112		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Arsenic	20.66	µg/L	=	0.07	0.5	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Boron	20.99	µg/L	=	0.7	10	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Boron	20.44	µg/L	=	0.7	10	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Cadmium	20.45	µg/L	=	0.06	0.1	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Copper	21.52	µg/L	=	0.07	0.5	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Lead	22.04	µg/L	=	0.01	0.25	20	PR 110		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Nickel	21.3	µg/L	=	0.02	0.5	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	4.8878	mg/L	=	0.06	0.1	5	PR 98		None	PR 90-110	DF=1

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 365.2	Phosphate as P	0.989	mg/L	=	0.01	0.01	1	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Selenium	20.51	µg/L	=	0.1	1	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/09/08	0:00	EPA 200.8	Zinc	22.67	µg/L	=	0.2	1	20	PR 113		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/12/08	0:00	EPA 200.8	Arsenic	19.91	µg/L	=	0.07	0.5	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/12/08	0:00	EPA 200.8	Cadmium	20.15	µg/L	=	0.06	0.1	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/12/08	0:00	EPA 200.8	Copper	19.7	µg/L	=	0.07	0.5	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/12/08	0:00	EPA 200.8	Lead	21.4	µg/L	=	0.01	0.25	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/12/08	0:00	EPA 200.8	Nickel	19.72	µg/L	=	0.02	0.5	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/12/08	0:00	EPA 200.8	Selenium	19.89	µg/L	=	0.1	1	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/12/08	0:00	EPA 200.8	Zinc	20.67	µg/L	=	0.2	1	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Arsenic	20.67	µg/L	=	0.07	0.5	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Boron	21.41	µg/L	=	0.7	10	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Boron	19.14	µg/L	=	0.7	10	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Cadmium	20.74	µg/L	=	0.06	0.1	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Copper	20.67	µg/L	=	0.07	0.5	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 130.2	Hardness as CaCO3	1020	mg/L	=	3	5	1000	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 130.2	Hardness as CaCO3	1020	mg/L	=	3	5	1000	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Lead	22.04	µg/L	=	0.01	0.25	20	PR 110		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Nickel	20.8	µg/L	=	0.02	0.5	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Selenium	20.79	µg/L	=	0.1	1	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/13/08	0:00	EPA 200.8	Zinc	22.07	µg/L	=	0.2	1	20	PR 110		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/14/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/14/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/24/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	09/24/08	0:00	EPA 300.0	Nitrate as N	4.009	mg/L	=	0.01	0.05	4	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	09/24/08	0:00	EPA 300.0	Nitrate as N	4.232	mg/L	=	0.01	0.05	4	PR 106		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	09/24/08	0:00	EPA 354.1	Nitrite as N	0.206	mg/L	=	0.002	0.03	0.2	PR 103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	09/24/08	0:00	EPA 365.2	OrthoPhosphate as P	0.195	mg/L	=	0.01	0.01	0.2	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	09/24/08	0:00	EPA 180.1	Turbidity	4.17	NTU	=	0.02	0.05	4	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	09/25/08	0:00	EPA 200.8	Copper	20.95	µg/L	=	0.07	0.5	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	09/30/08	0:00	EPA 160.1	Dissolved Solids	516	mg/L	=	8	20	500	PR 103		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 200.8	Arsenic	19.59	µg/L	=	0.07	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 200.8	Boron	18.25	µg/L	=	0.7	10	20	PR 91		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 200.8	Cadmium	20.09	µg/L	=	0.06	0.1	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 110.2	Color	10	color units	=	3	3	10	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 200.8	Copper	20.94	µg/L	=	0.07	0.5	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 200.8	Lead	21.85	µg/L	=	0.01	0.25	20	PR 109		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 200.8	Nickel	21.06	µg/L	=	0.02	0.5	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 300.0	Nitrate as N	3.998	mg/L	=	0.01	0.05	4	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 354.1	Nitrite as N	0.204	mg/L	=	0.002	0.03	0.2	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 365.2	OrthoPhosphate as P	0.197	mg/L	=	0.01	0.01	0.2	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 200.8	Selenium	19.6	µg/L	=	0.1	1	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 180.1	Turbidity	4.12	NTU	=	0.02	0.05	4	PR 103		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/01/08	0:00	EPA 200.8	Zinc	21.15	µg/L	=	0.2	1	20	PR 106		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/02/08	0:00	EPA 350.2	Ammonia as N	5.2065	mg/L	=	0.05	0.1	5	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 200.8	Arsenic	20.02	µg/L	=	0.07	0.5	20	PR 100		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 200.8	Boron	19.27	µg/L	=	0.7	10	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 200.8	Cadmium	20.41	µg/L	=	0.06	0.1	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 200.8	Copper	20.5	µg/L	=	0.07	0.5	20	PR 103		None	PR 85-115	DF=1

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Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 200.8	Lead	22.22	µg/L	=	0.01	0.25	20	PR 111		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 200.8	Nickel	20.27	µg/L	=	0.02	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0855	mg/L	=	0.06	0.1	5	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 200.8	Selenium	20.73	µg/L	=	0.1	1	20	PR 104		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/04/08	0:00	EPA 200.8	Zinc	21.47	µg/L	=	0.2	1	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/06/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.0415	mg/L	=	0.06	0.1	5	PR 101		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/07/08	0:00	EPA 160.1	Dissolved Solids	516	mg/L	=	8	20	500	PR 103		Analytes analyzed at a secondary dilution.	PR 80-120	DF=2
Laboratory QA Samples	LCS	1.00	10/07/08	0:00	EPA 351.3	Nitrogen, Total Kjeldahl	5.1185	mg/L	=	0.06	0.1	5	PR 102		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/07/08	0:00	EPA 365.2	Phosphate as P	0.993	mg/L	=	0.01	0.01	1	PR 99		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/07/08	0:00	EPA 415.1	Total Organic Carbon	10.19	mg/L	=	0.1	0.5	10	PR 102		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	10/07/08	0:00	EPA 415.1	Total Organic Carbon	10.27	mg/L	=	0.1	0.5	10	PR 103		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	10/08/08	0:00	EPA 350.2	Ammonia as N	4.9097	mg/L	=	0.05	0.1	5	PR 98		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/08/08	0:00	EPA 130.2	Hardness as CaCO3	1060	mg/L	=	3	5	1000	PR 106		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	10/08/08	0:00	EPA 365.2	Phosphate as P	1.035	mg/L	=	0.01	0.01	1	PR 104		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/09/08	0:00	EPA 365.2	Phosphate as P	0.964	mg/L	=	0.01	0.01	1	PR 96		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 350.2	Ammonia as N	5.0086	mg/L	=	0.05	0.1	5	PR 100		None	PR 90-110	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Arsenic	20.3	µg/L	=	0.07	0.5	20	PR 102		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Arsenic	19.58	µg/L	=	0.07	0.5	20	PR 98		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Boron	22.12	µg/L	=	0.7	10	20	PR 111		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Boron	19.11	µg/L	=	0.7	10	20	PR 96		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Cadmium	20.54	µg/L	=	0.06	0.1	20	PR 103		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Cadmium	20.94	µg/L	=	0.06	0.1	20	PR 105		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Copper	21.53	µg/L	=	0.07	0.5	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Copper	20.14	µg/L	=	0.07	0.5	20	PR 101		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Copper	19.94	µg/L	=	0.07	0.5	20	PR 100		None	PR 85-115	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Lab Replicate	Sample Date	Sample Time	Method Name	Analyte	Result	Unit	Qualifier Code	MDL	RL	Expected Value	PR	RPD	Quality Assurance	Data Acceptability Criteria	Lab Comments
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Lead	21.88	µg/L	=	0.01	0.25	20	PR 109		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Lead	21.68	µg/L	=	0.01	0.25	20	PR 108		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Nickel	21.35	µg/L	=	0.02	0.5	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Nickel	19.82	µg/L	=	0.02	0.5	20	PR 99		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Selenium	18.84	µg/L	=	0.1	1	20	PR 94		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Selenium	22.39	µg/L	=	0.1	1	20	PR 112		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Zinc	21.43	µg/L	=	0.2	1	20	PR 107		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/10/08	0:00	EPA 200.8	Zinc	22.32	µg/L	=	0.2	1	20	PR 112		None	PR 85-115	DF=1
Laboratory QA Samples	LCS	1.00	10/13/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1
Laboratory QA Samples	LCS	1.00	10/15/08	0:00	EPA 130.2	Hardness as CaCO3	1000	mg/L	=	3	5	1000	PR 100		None	PR 80-120	DF=1

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

**Table III -5. ESJWQC water toxicity testing results.**

Results are for *Ceriodaphnia dubia*, *Pimephales promelas* and *Selenastrum capricornutum* field duplicates (FD) samples collected during the 2008 irrigation season. Data are sorted by station name, species and sample date. Data acceptability criteria is RPD <25.

Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Deadman Creek @ Gurr Rd	FD	09/30/08	10:30	water	10/01/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Deadman Creek @ Gurr Rd	FD	09/30/08	10:30	water	10/01/08	<i>Pimephales promelas</i>	Survival (%)	97.5	100	103	NSG	FD RPD 2.53
Deadman Creek @ Gurr Rd	FD	09/30/08	10:30	water	10/01/08	<i>Selenastrum capricornutum</i>	Total Cell Count	423110	888790	210	NSG	FD RPD 2.97
Dry Creek @ Rd 18	FD	04/29/08	12:00	water	04/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 5.1
Dry Creek @ Rd 18	FD	08/26/08	12:30	water	08/27/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Dry Creek @ Rd 18	FD	04/29/08	12:00	water	04/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Dry Creek @ Rd 18	FD	08/26/08	12:30	water	08/27/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Dry Creek @ Rd 18	FD	04/29/08	12:00	water	04/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1139540	1901561	167	NSG	FD RPD 0.86
Dry Creek @ Rd 18	FD	08/26/08	12:30	water	08/27/08	<i>Selenastrum capricornutum</i>	Total Cell Count	576166	1533577	266	NSG	FD RPD 13.28
Duck Slough @ Gurr Rd	FD	05/27/08	10:40	water	05/28/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Duck Slough @ Gurr Rd	FD	05/27/08	10:40	water	05/28/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Duck Slough @ Gurr Rd	FD	05/27/08	10:40	water	05/28/08	<i>Selenastrum capricornutum</i>	Total Cell Count	2666839	7991216	300	NSG	FD RPD 3.16
Duck Slough @ Hwy 99	FD	06/24/08	15:20	water	06/25/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	95	95	NSG	FD RPD 5
Duck Slough @ Hwy 99	FD	06/24/08	15:20	water	06/25/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Duck Slough @ Hwy 99	FD	06/24/08	15:20	water	06/25/08	<i>Selenastrum capricornutum</i>	Total Cell Count	592448	2178364	368	NSG	FD RPD 9
Hatch Drain @ Tuolumne Rd	FD	04/22/08	9:30	water	04/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 5.1
Hatch Drain @ Tuolumne Rd	FD	04/22/08	9:30	water	04/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Hatch Drain @ Tuolumne Rd	FD	04/22/08	9:30	water	04/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1250261	686887	55	SL	FD RPD 15.3
Highline Canal @ Lombardy Rd	FD	08/19/08	14:10	water	08/20/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Highline Canal @ Lombardy Rd	FD	08/19/08	14:10	water	08/20/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0

DF = Dilution Factor DNQ = Detected but Not Quantifiable E = Environmental sample FB = Field Blank FD = Field Duplicate FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample MDL = Minimum Detection Limit NA = Not Applicable ND = Not Detectable NSG = not statistically different from control and result is greater than 80% threshold PR = Percent Recovery RL = Reporting Limit RPD = Relative Percent Difference RS = Resample SL = statistically different from control and less than 80% threshold SG = statistically different from control and greater than 80% threshold TB = Travel Blank TIE = Toxic Identification Evaluation

Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Highline Canal @ Lombardy Rd	FD	08/19/08	14:10	water	08/20/08	<i>Selenastrum capricornutum</i>	Total Cell Count	732478	1256774	172	NSG	FD RPD 20.26
Livingston Drain @ Robin Ave	FD	06/17/08	15:30	water	06/18/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 5.1
Livingston Drain @ Robin Ave	FD	06/17/08	15:30	water	06/18/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Livingston Drain @ Robin Ave	FD	06/17/08	15:30	water	06/18/08	<i>Selenastrum capricornutum</i>	Total Cell Count	654322	1198157	183	NSG	FD RPD 46
Miles Creek @ Reilly Rd	FD	07/29/08	15:20	water	07/30/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Miles Creek @ Reilly Rd	FD	07/29/08	15:20	water	07/30/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 2.53
Miles Creek @ Reilly Rd	FD	07/29/08	15:20	water	07/30/08	<i>Selenastrum capricornutum</i>	Total Cell Count	712939	1917844	269	NSG	FD RPD 8.68
Silva Drain @ Meadow Dr	FD	07/22/08	11:00	water	07/23/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	0	0	SL	FD RPD 0; Resampled on 7/29/08; toxicity was persistent.
Silva Drain @ Meadow Dr	FD	07/22/08	11:00	water	07/23/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Silva Drain @ Meadow Dr	FD	07/22/08	11:00	water	07/23/08	<i>Selenastrum capricornutum</i>	Total Cell Count	927868	1588937	171	NSG	FD RPD 1.02
Westport Drain @ Vivian Rd	FD	05/20/08	8:50	water	05/21/08	<i>Ceriodaphnia dubia</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Westport Drain @ Vivian Rd	FD	05/20/08	8:50	water	05/21/08	<i>Pimephales promelas</i>	Survival (%)	100	100	100	NSG	FD RPD 0
Westport Drain @ Vivian Rd	FD	05/20/08	8:50	water	05/21/08	<i>Selenastrum capricornutum</i>	Total Cell Count	1273057	2044847	161	NSG	FD RPD 60.7

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

**Table III -6. ESJWQC sediment toxicity testing results.**

Results are for *Hyalella azteca* field duplicates (FD) samples collected during the 2008 irrigation season. Data are sorted by station name, species and sample date. Data acceptability criteria is RPD <25.

Station Name	Sample Type Code	Sample Date	Sample Time	Matrix	Toxicity Start Date	Species	Toxicity End Point	Control Mean	Sample Mean	Percent Control	Toxicity Significance	Toxicity Test Comments
Miles Creek @ Reilly Rd	FD	08/28/08	13:00	sediment	09/09/08	<i>Hyalella azteca</i>	Survival (%)	99	90	91	SG	FD RPD 3.24; Resampled on 10/2/08 and retested on 10/15/08; toxicity was persistent.
Westport Drain @ Vivian Rd	FD	08/28/08	9:50	sediment	09/12/08	<i>Hyalella azteca</i>	Survival (%)	97	91	94	SG	FD RPD 0; Resampled on 10/2/08 and retested on 10/15/08; toxicity was not persistent.

DF = Dilution Factor    DNQ = Detected but Not Quantifiable    E = Environmental sample    FB = Field Blank    FD = Field Duplicate    FD RPD = Relative Percent Difference between the environmental sample and the field duplicate sample    MDL = Minimum Detection Limit    NA = Not Applicable    ND = Not Detectable    NSG = not statistically different from control and result is greater than 80% threshold    PR = Percent Recovery    RL = Reporting Limit    RPD = Relative Percent Difference    RS = Resample    SL = statistically different from control and less than 80% threshold    SG = statistically different from control and greater than 80% threshold    TB = Travel Blank    TIE = Toxic Identification Evaluation

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**Bear Creek @ Kibby Rd**

**Pesticide Use Reports for metal exceedances in the water column**

**Irrigation 5 (8/26/08) - copper exceedance.**

No reported use for three months prior to sampling. Last reported use was on 4/22/08.

**Pesticide Use Reports for water column toxicity**

**Irrigation 1 (4/29/08) - *Selenastrum capricornutum* toxicity.**

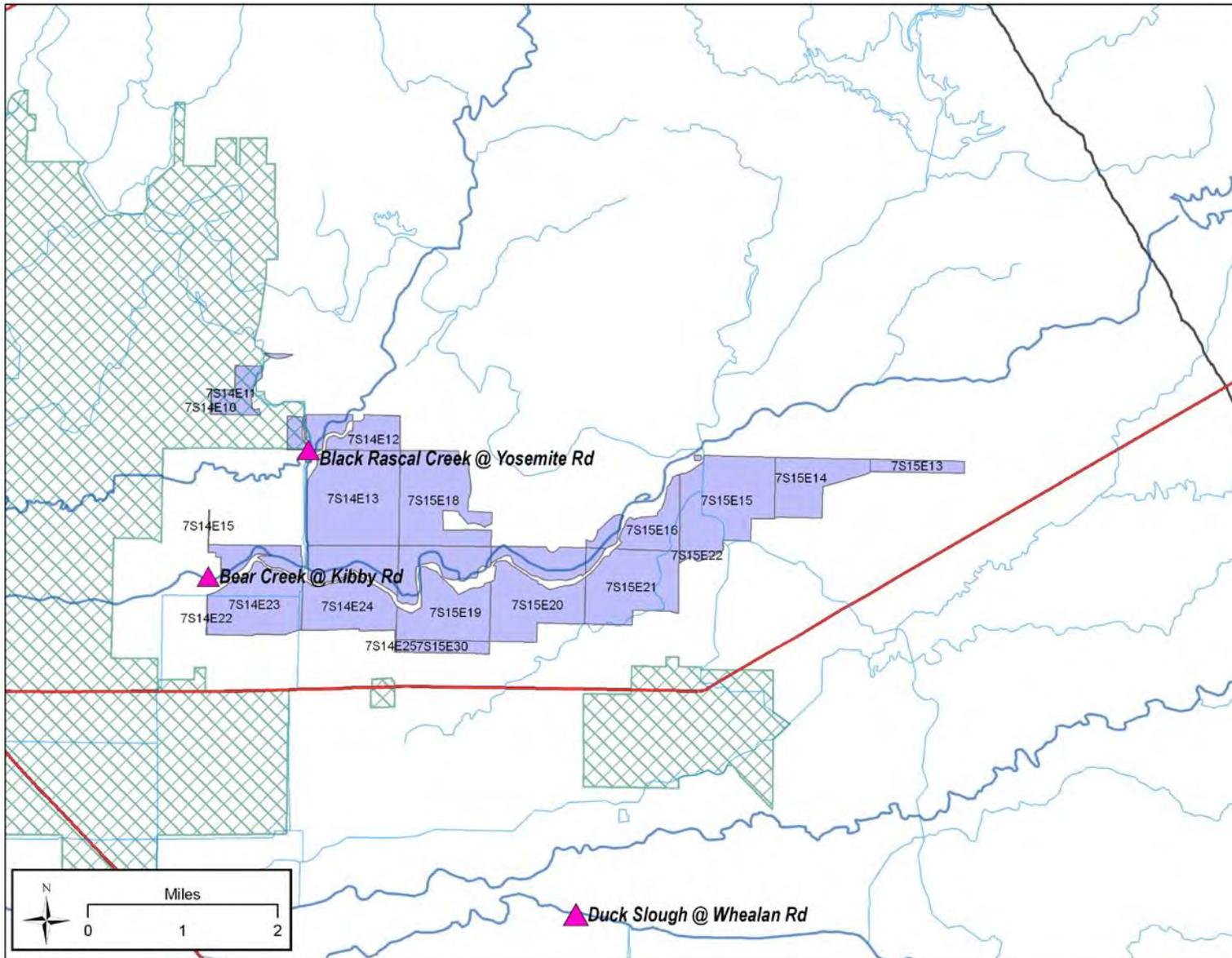
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	2/9/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	1800	LBS	90	7S14E23	HERBICIDE
PEACH	2/9/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	1800	LBS	90	7S14E23	INSECTICIDE
PEACH	2/9/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	1800	LBS	90	7S14E23	FUNGICIDE
PEACH	2/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	561	LBS	85	7S15E19	FUNGICIDE
PEACH	2/11/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	870	LBS	116.91	7S15E30	FUNGICIDE
TOMATO	3/13/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	255.36	OZ	60	7S15E16	FUNGICIDE
WALNUT	3/14/2008	NU-COP 50DF	COPPER HYDROXIDE	A	160	LBS	20	7S15E18	FUNGICIDE
WALNUT	3/18/2008	NU-COP 50DF	COPPER HYDROXIDE	G	240	LBS	30	7S14E13	FUNGICIDE
WALNUT	3/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	105	LBS	30	7S15E20	FUNGICIDE
TOMATO	3/25/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	360	OZ	90	7S15E16	FUNGICIDE
WALNUT	3/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	240	LBS	40	7S14E23	FUNGICIDE
OAT	4/1/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	96	OZ	12	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	96	OZ	12	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	160	OZ	20	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	160	OZ	20	7S14E10	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OAT	4/1/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	400	OZ	50	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	400	OZ	50	7S14E10	HERBICIDE
WALNUT	4/1/2008	NU-COP 50DF	COPPER HYDROXIDE	A	160	LBS	20	7S15E18	FUNGICIDE
ALMOND	4/1/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	45	PT	90	7S15E19	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL	OXYFLUORFEN	G	15	PT	90	7S15E19	HERBICIDE
ALMOND	4/1/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	6	PT	2	7S15E19	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL	OXYFLUORFEN	G	2	QT	2	7S15E19	HERBICIDE
TOMATO	4/1/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	0.35	GA	9	7S14E25	HERBICIDE
WALNUT	4/1/2008	NU-COP 50DF	COPPER HYDROXIDE	G	240	LBS	30	7S14E13	FUNGICIDE
WALNUT	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	60	LBS	15	7S14E24	FUNGICIDE
OAT	4/2/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	216	OZ	27	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	216	OZ	27	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	320	OZ	40	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	320	OZ	40	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	440	OZ	55	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	440	OZ	55	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	64	OZ	8	7S14E12	HERBICIDE
OAT	4/2/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	64	OZ	8	7S14E12	HERBICIDE
TOMATO	4/2/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	0.56	OZ	4.5	7S14E25	HERBICIDE
WALNUT	4/3/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	175.5	OZ	30	7S15E20	Plant Growth Regulator
ALMOND	4/4/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	11.77	GA	32.7	7S14E23	HERBICIDE
ALMOND	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	7.36	GA	32.7	7S14E23	HERBICIDE
WALNUT	4/4/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	29.25	LBS	40	7S14E23	Plant Growth Regulator
ALMOND	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	2.56	QT	16.4	7S14E25	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/4/2008	GLYSUPREME PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.13	GA	16.4	7S14E25	HERBICIDE
TOMATO	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	576	OZ	90	7S15E16	FUNGICIDE
WALNUT	4/9/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	19.875	PT	3	7S14E22	HERBICIDE
WALNUT	4/9/2008	KARMEX DF HERBICIDE	DIURON	G	7.8	LBS	3	7S14E22	HERBICIDE
WALNUT	4/9/2008	SIMAZINE 90DF	SIMAZINE	G	6	LBS	3	7S14E22	HERBICIDE
WALNUT	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	19.875	PT	3	7S14E22	HERBICIDE
TOMATO	4/9/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	4.5	GA	115	7S15E30	HERBICIDE
TOMATO	4/10/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	7.19	OZ	57.5	7S15E30	HERBICIDE
COTTON	4/12/2008	DREXEL MSMA 6 PLUS	MSMA	G	7.68	GA	48	7S14E13	HERBICIDE
COTTON	4/12/2008	DREXEL MSMA 6 PLUS	MSMA	G	6.4	GA	40	7S14E13	HERBICIDE
CORN HUMAN CONSUMP	4/16/2008	DU PONT ACCENT HERBICIDE	NICOSULFURON	G	0.21	LBS	10	7S14E13	HERBICIDE
WALNUT	4/17/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	58.5	OZ	10	7S14E22	Plant Growth Regulator
ALMOND	4/17/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	104.95	GA	116.8	7S15E21	HERBICIDE
ALMOND	4/17/2008	POAST	SETHOXYDIM	G	29.2	GA	116.8	7S15E21	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	7.3	GA	116.8	7S15E21	HERBICIDE
PEACH	4/19/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	OZ	90	7S14E23	HERBICIDE
PEACH	4/19/2008	GOAL 2XL	OXYFLUORFEN	G	4.5	GA	90	7S14E23	HERBICIDE
WALNUT	4/22/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	240	LBS	40	7S14E23	FUNGICIDE
TOMATO	4/22/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	0.35	GA	3.6	7S14E25	HERBICIDE
TOMATO	4/23/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	0.56	OZ	4.5	7S14E25	HERBICIDE
CORN HUMAN CONSUMP	4/24/2008	DU PONT ACCENT HERBICIDE	NICOSULFURON	G	19.97	OZ	39	7S14E15	HERBICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM GLYPHOSATE, POTASSIUM SALT	G	20	GA	40	7S14E13	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	7S14E13	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	19	GA	76	7S15E22	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	18.75	GA	75	7S15E22	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1.25	GA	16	7S14E25	HERBICIDE
ALMOND	4/25/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	5	GA	16	7S14E25	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	0.5	GA	16	7S14E25	HERBICIDE
ALMOND	4/25/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	24	7S14E24	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	1.87	GA	24	7S14E24	HERBICIDE
COTTON	4/26/2008	DREXEL MSMA 6 PLUS	MSMA	G	3.9	GA	24	7S14E13	HERBICIDE
COTTON	4/27/2008	DREXEL MSMA 6 PLUS	MSMA	G	3.25	GA	20	7S14E13	HERBICIDE
PISTACHIO	4/27/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7.1	GA	26	7S14E25	HERBICIDE
PISTACHIO	4/28/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7	GA	20	7S15E13	HERBICIDE

Figure 1. Location of pesticide use for Bear Creek @ Kibby Rd- Irrigation 1



**Irrigation 1 RS (5/7/08) - *Selenastrum capricornutum* toxicity.**

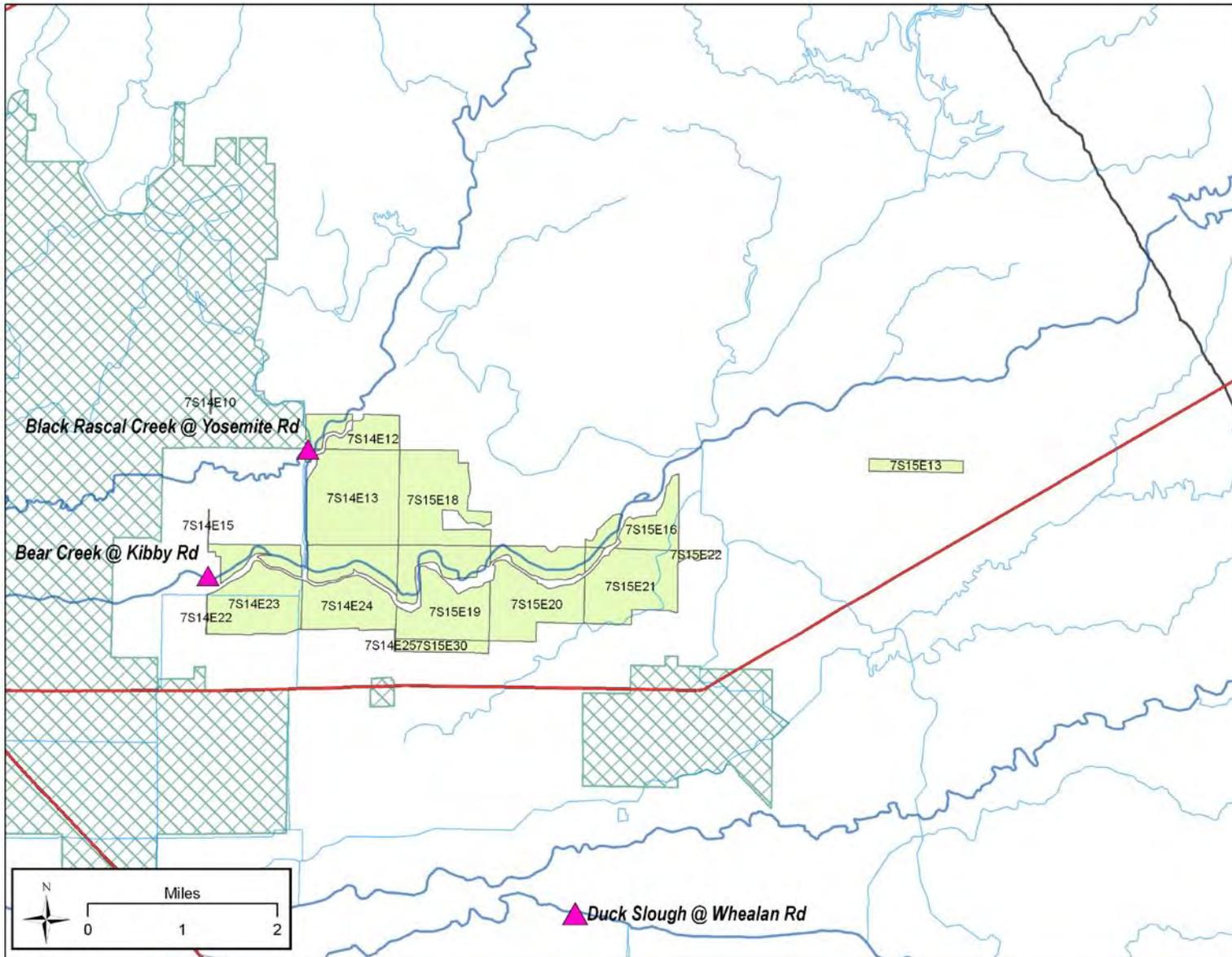
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	3/13/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	255.36	OZ	60	7S15E16	FUNGICIDE
WALNUT	3/14/2008	NU-COP 50DF	COPPER HYDROXIDE	A	160	LBS	20	7S15E18	FUNGICIDE
WALNUT	3/18/2008	NU-COP 50DF	COPPER HYDROXIDE	G	240	LBS	30	7S14E13	FUNGICIDE
WALNUT	3/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	105	LBS	30	7S15E20	FUNGICIDE
TOMATO	3/25/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	360	OZ	90	7S15E16	FUNGICIDE
WALNUT	3/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	240	LBS	40	7S14E23	FUNGICIDE
OAT	4/1/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	96	OZ	12	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	96	OZ	12	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	160	OZ	20	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	160	OZ	20	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	400	OZ	50	7S14E10	HERBICIDE
OAT	4/1/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	400	OZ	50	7S14E10	HERBICIDE
WALNUT	4/1/2008	NU-COP 50DF	COPPER HYDROXIDE	A	160	LBS	20	7S15E18	FUNGICIDE
ALMOND	4/1/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	45	PT	90	7S15E19	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL	OXYFLUORFEN	G	15	PT	90	7S15E19	HERBICIDE
ALMOND	4/1/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	6	PT	2	7S15E19	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL	OXYFLUORFEN	G	2	QT	2	7S15E19	HERBICIDE
TOMATO	4/1/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	0.35	GA	9	7S14E25	HERBICIDE
WALNUT	4/1/2008	NU-COP 50DF	COPPER HYDROXIDE	G	240	LBS	30	7S14E13	FUNGICIDE
WALNUT	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LBS	15	7S14E24	FUNGICIDE
OAT	4/2/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	216	OZ	27	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	216	OZ	27	7S14E10	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OAT	4/2/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	320	OZ	40	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	320	OZ	40	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	440	OZ	55	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	440	OZ	55	7S14E10	HERBICIDE
OAT	4/2/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	G	64	OZ	8	7S14E12	HERBICIDE
OAT	4/2/2008	NUFARM WEEDAR 64 BROADLEAF HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	64	OZ	8	7S14E12	HERBICIDE
TOMATO	4/2/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	0.56	OZ	4.5	7S14E25	HERBICIDE
WALNUT	4/3/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	175.5	OZ	30	7S15E20	Plant Growth Regulator
ALMOND	4/4/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	11.77	GA	32.7	7S14E23	HERBICIDE
ALMOND	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	7.36	GA	32.7	7S14E23	HERBICIDE
WALNUT	4/4/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	29.25	LBS	40	7S14E23	Plant Growth Regulator
ALMOND	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	2.56	QT	16.4	7S14E25	HERBICIDE
ALMOND	4/4/2008	GLYSUPREME PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.13	GA	16.4	7S14E25	HERBICIDE
TOMATO	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	576	OZ	90	7S15E16	FUNGICIDE
WALNUT	4/9/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	19.875	PT	3	7S14E22	HERBICIDE
WALNUT	4/9/2008	KARMEX DF HERBICIDE	DIURON	G	7.8	LBS	3	7S14E22	HERBICIDE
WALNUT	4/9/2008	SIMAZINE 90DF	SIMAZINE	G	6	LBS	3	7S14E22	HERBICIDE
WALNUT	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	19.875	PT	3	7S14E22	HERBICIDE
TOMATO	4/9/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	4.5	GA	115	7S15E30	HERBICIDE
TOMATO	4/10/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	7.19	OZ	57.5	7S15E30	HERBICIDE
COTTON	4/12/2008	DREXEL MSMA 6 PLUS	MSMA	G	7.68	GA	48	7S14E13	HERBICIDE
COTTON	4/12/2008	DREXEL MSMA 6 PLUS	MSMA	G	6.4	GA	40	7S14E13	HERBICIDE
CORN HUMAN CONSUMP	4/16/2008	DU PONT ACCENT HERBICIDE	NICOSULFURON	G	0.21	LBS	10	7S14E13	HERBICIDE
WALNUT	4/17/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	58.5	OZ	10	7S14E22	Plant Growth Regulator
ALMOND	4/17/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	104.95	GA	116.8	7S15E21	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/17/2008	POAST	SETHOXYDIM	G	29.2	GA	116.8	7S15E21	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	7.3	GA	116.8	7S15E21	HERBICIDE
PEACH	4/19/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	OZ	90	7S14E23	HERBICIDE
PEACH	4/19/2008	GOAL 2XL	OXYFLUORFEN	G	4.5	GA	90	7S14E23	HERBICIDE
WALNUT	4/22/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	240	LBS	40	7S14E23	FUNGICIDE
TOMATO	4/22/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	0.35	GA	3.6	7S14E25	HERBICIDE
TOMATO	4/23/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	0.56	OZ	4.5	7S14E25	HERBICIDE
CORN HUMAN CONSUMP	4/24/2008	DU PONT ACCENT HERBICIDE	NICOSULFURON	G	19.97	OZ	39	7S14E15	HERBICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM GLYPHOSATE, POTASSIUM SALT	G	20	GA	40	7S14E13	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	7S14E13	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	19	GA	76	7S15E22	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	18.75	GA	75	7S15E22	HERBICIDE
ALMOND	4/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1.25	GA	16	7S14E25	HERBICIDE
ALMOND	4/25/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	5	GA	16	7S14E25	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	0.5	GA	16	7S14E25	HERBICIDE
ALMOND	4/25/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	24	7S14E24	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	1.87	GA	24	7S14E24	HERBICIDE
COTTON	4/26/2008	DREXEL MSMA 6 PLUS	MSMA	G	3.9	GA	24	7S14E13	HERBICIDE
COTTON	4/27/2008	DREXEL MSMA 6 PLUS	MSMA	G	3.25	GA	20	7S14E13	HERBICIDE
PISTACHIO	4/27/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7.1	GA	26	7S14E25	HERBICIDE
PISTACHIO	4/28/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7	GA	20	7S15E13	HERBICIDE
PISTACHIO	5/2/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.13	GA	65	7S15E14	HERBICIDE
ALMOND	5/2/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	5430.56	OZ	85	7S14E22	HERBICIDE
PISTACHIO	5/3/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.85	GA	38	7S15E13	HERBICIDE
PISTACHIO	5/3/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.48	GA	73	7S15E13	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN HUMAN CONSUMP	5/4/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	32.34	OZ	49	7S14E11	HERBICIDE
COTTON	5/5/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	0.48	GA	16	7S14E13	HERBICIDE
COTTON	5/5/2008	DU PONT STAPLE HERBICIDE	PYRITHIOPAC-SODIUM	G	25.6	OZ	16	7S14E13	HERBICIDE
PISTACHIO	5/5/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.35	GA	18	7S15E13	HERBICIDE
COTTON	5/6/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	0.39	GA	13.3	7S14E13	HERBICIDE
COTTON	5/6/2008	DU PONT STAPLE HERBICIDE	PYRITHIOPAC-SODIUM	G	21.28	OZ	13.3	7S14E13	HERBICIDE
PISTACHIO	5/7/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.74	GA	60	7S15E15	HERBICIDE
PISTACHIO	5/7/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.58	GA	20	7S15E15	HERBICIDE
PISTACHIO	5/7/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5000	OZ	125	7S15E14	HERBICIDE

Figure 2. Location of pesticide use for Bear Creek @ Kibby Rd – Irrigation 1 RS



## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN HUMAN CONSUMP	3/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.74	GA	19.6	7S14E13	INSECTICIDE
CORN HUMAN CONSUMP	4/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.87	GA	22.4	7S14E13	INSECTICIDE
TOMATO	5/1/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2	GA	80	7S14E14	INSECTICIDE
CORN HUMAN CONSUMP	5/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.25	GA	3	7S14E13	INSECTICIDE
PISTACHIO	5/8/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	229.5	OZ	27	7S15E17	INSECTICIDE
PISTACHIO	5/8/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	25.5	OZ	3	7S15E18	INSECTICIDE
PISTACHIO	5/9/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	170	OZ	20	7S15E20	INSECTICIDE
CORN HUMAN CONSUMP	5/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.21	GA	5.5	7S14E13	INSECTICIDE
TOMATO	5/19/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3	GA	80	7S14E14	INSECTICIDE
TOMATO	5/19/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	5.94	GA	80	7S14E14	INSECTICIDE
WALNUT	5/28/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	128	LBS	10	7S14E15	INSECTICIDE
TOMATO	5/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.13	GA	80	7S14E15	INSECTICIDE
WALNUT	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE
WALNUT	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S14E13	INSECTICIDE
COTTON	6/3/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	1.03625	PT	14	7S14E25	INSECTICIDE
COTTON	6/3/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	14.21	FLOZ	12	7S14E14	INSECTICIDE
PEACH	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6.5	GA	116.91	7S15E30	INSECTICIDE
WALNUT	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	10	7S15E18	INSECTICIDE
WALNUT	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S14E13	INSECTICIDE
CORN HUMAN CONSUMP	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	A	67.84	FLOZ	22.4	7S14E13	INSECTICIDE
WALNUT	6/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE
WALNUT	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S15E18	INSECTICIDE
WALNUT	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
COTTON	6/6/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.42	GA	15	7S14E24	INSECTICIDE
ALMOND	6/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	9	GA	163.33	7S15E30	INSECTICIDE
ALMOND	6/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S14E13	INSECTICIDE
CORN HUMAN CONSUMP	6/14/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	1.58	GA	33.8	7S14E13	INSECTICIDE
PISTACHIO	6/16/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	6.75	GA	54	7S15E13	INSECTICIDE
PISTACHIO	6/17/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	9.13	GA	73	7S15E13	INSECTICIDE
PISTACHIO	6/18/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	8.13	GA	65	7S15E14	INSECTICIDE
COTTON	6/19/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	14.21	FLOZ	12	7S14E14	INSECTICIDE
COTTON	6/19/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	1.03625	PT	14	7S14E25	INSECTICIDE
COTTON	6/19/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	24	7S14E13	INSECTICIDE
COTTON	6/20/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.39	GA	20	7S14E13	INSECTICIDE
TOMATO	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	7.19	GA	115	7S15E30	INSECTICIDE
TOMATO	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.13	GA	50	7S15E30	INSECTICIDE
COTTON	6/23/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.2	GA	10	7S15E18	INSECTICIDE
COTTON	6/23/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.39	GA	20	7S14E13	INSECTICIDE
COTTON	6/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.34	GA	14.5	7S14E24	INSECTICIDE
PISTACHIO	6/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.16	GA	54	7S15E13	INSECTICIDE
TOMATO	6/29/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2.69	GA	80	7S14E15	INSECTICIDE
TOMATO	6/29/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2.69	GA	80	7S14E14	INSECTICIDE
CORN FOR/FOD	6/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.53	GA	51	7S15E22	INSECTICIDE
PEACH	7/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.37	GA	26.13	7S15E30	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.43	GA	48	7S14E13	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.19	GA	40	7S14E13	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.18	GA	40	7S14E13	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.59	GA	20	7S15E18	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	89	OZ	8.9	7S14E23	INSECTICIDE

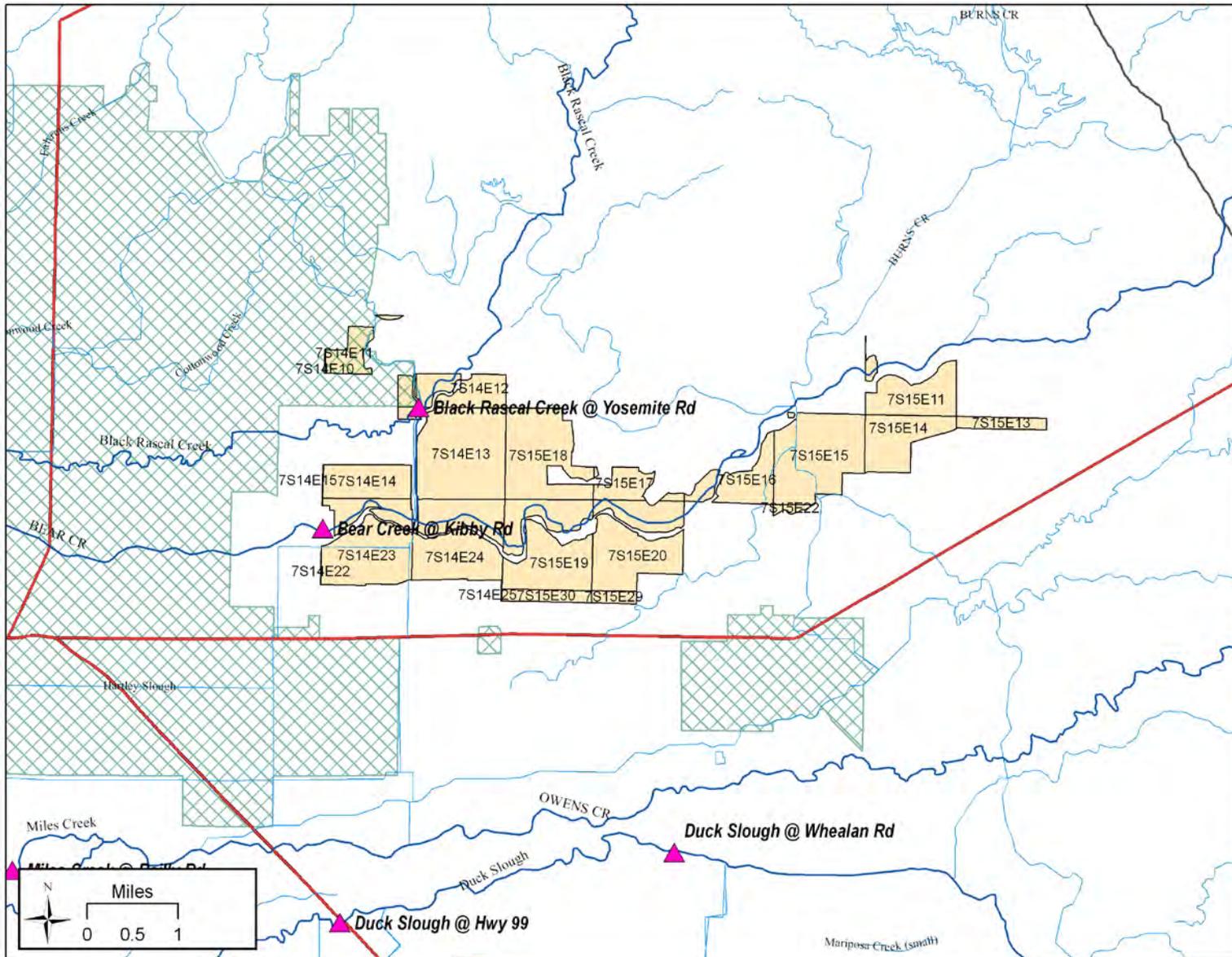
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	99	OZ	33	7S15E19	INSECTICIDE
COTTON	7/3/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	36.84	FLOZ	14	7S14E25	INSECTICIDE
TOMATO	7/3/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	187.5	OZ	75	7S15E20	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	25.5	7S14E23	INSECTICIDE
COTTON	7/3/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	31.58	FLOZ	12	7S14E14	INSECTICIDE
PISTACHIO	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.92	GA	73	7S15E13	INSECTICIDE
TOMATO	7/7/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	216.67	OZ	130	7S15E15	INSECTICIDE
TOMATO	7/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.33	GA	34	7S15E16	INSECTICIDE
TOMATO	7/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	6.33	GA	162	7S15E16	INSECTICIDE
PEACH	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.3	GA	55	7S14E23	INSECTICIDE
TOMATO	7/10/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	153.33	OZ	92	7S14E24	INSECTICIDE
CORN HUMAN CONSUMP	7/11/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.66	GA	14	7S14E13	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LBS	45	7S14E12	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	50	LBS	50	7S14E12	INSECTICIDE
CORN FOR/FOD	7/12/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	G	187.5	OZ	37.5	7S15E20	INSECTICIDE
PEACH	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5.67	GA	90.78	7S15E30	INSECTICIDE
PISTACHIO	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.3	GA	39	7S15E15	INSECTICIDE
PISTACHIO	7/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	256	OZ	65	7S14E22	INSECTICIDE
PISTACHIO	7/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	156	OZ	39	7S15E15	INSECTICIDE
TOMATO	7/15/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	15	OZ	9	7S15E19	INSECTICIDE
PEACH	7/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	81	OZ	27	7S15E19	INSECTICIDE
TOMATO	7/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E10	INSECTICIDE
TOMATO	7/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E11	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LBS	45	7S14E12	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	52	LBS	52	7S14E12	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	50	LBS	50	7S14E12	INSECTICIDE
PEACH	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	75	OZ	25	7S15E19	INSECTICIDE
ALMOND	7/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	74.4	OZ	18.6	7S14E15	INSECTICIDE
PISTACHIO	7/21/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	9.13	GA	73	7S15E13	INSECTICIDE
WALNUT	7/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	150	OZ	15	7S14E24	INSECTICIDE
TOMATO	7/24/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	125	OZ	75	7S14E10	INSECTICIDE
COTTON	7/25/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.36	GA	12	7S14E14	INSECTICIDE
COTTON	7/29/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.38	GA	14	7S14E25	INSECTICIDE
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E10	INSECTICIDE
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E11	INSECTICIDE
ALMOND	7/31/2008	OMITE-6E	PROPARGITE	G	75	GA	275	7S15E29	INSECTICIDE
TOMATO	7/31/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	52.5	OZ	75	7S14E10	INSECTICIDE
TOMATO	7/31/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	56	OZ	80	7S15E16	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1.5	GA	48	7S14E13	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	2.5	GA	80	7S14E13	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	0.63	GA	20	7S15E18	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	0.91	GA	29	7S14E24	INSECTICIDE
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	80	OZ	80	7S15E16	INSECTICIDE
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	75	OZ	75	7S14E10	INSECTICIDE
SQUASH WINTER	8/2/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	G	30	OZ	6	7S14E25	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	3.65	GA	55	7S15E11	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	4.65	GA	70	7S15E11	INSECTICIDE
CORN FOR/FOD	8/2/2008	NUFOS 4E	CHLORPYRIFOS	A	14.96	GA	70	7S15E11	INSECTICIDE
CORN FOR/FOD	8/2/2008	NUFOS 4E	CHLORPYRIFOS	A	9	GA	36	7S15E14	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	5.08	GA	130	7S15E15	INSECTICIDE
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	150	FLOZ	25	7S15E17	INSECTICIDE
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.59	GA	92	7S14E24	INSECTICIDE
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.35	GA	9	7S15E19	INSECTICIDE
ALMOND	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	28.22	GA	70	7S14E13	HERBICIDE
CORN FOR/FOD	8/5/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	6.57	GA	99	7S15E22	INSECTICIDE
ALMOND	8/6/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6.5	GA	32	7S14E25	HERBICIDE
WALNUT	8/7/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	9	PT	3	7S14E24	HERBICIDE
WALNUT	8/9/2008	ETHREL BRAND ETHEPHON PLANT REGULATOR	ETHEPHON	G	5	GA	10	7S15E18	GROWTH REGULATOR
PEACH	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.44	GA	90	7S14E23	INSECTICIDE
ALMOND	8/12/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8	GA	46	7S14E23	HERBICIDE
TOMATO	8/13/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	10.94	LBS	50	7S14E25	INSECTICIDE
CORN FOR/FOD	8/15/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	2.32	GA	35	7S15E20	INSECTICIDE
WALNUT	8/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	7S14E13	INSECTICIDE
WALNUT	8/15/2008	OMITE-30WS	PROPARGITE	G	270	LBS	30	7S14E13	INSECTICIDE
WALNUT	8/16/2008	OMITE-30WS	PROPARGITE	G	90	LBS	10	7S15E18	INSECTICIDE
WALNUT	8/16/2008	OMITE-30WS	PROPARGITE	G	270	LBS	30	7S14E13	INSECTICIDE
WALNUT	8/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S15E18	INSECTICIDE
WALNUT	8/18/2008	OMITE-30WS	PROPARGITE	G	180	LBS	20	7S15E18	INSECTICIDE
ALMOND	8/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	48	7S14E15	INSECTICIDE
WALNUT	8/19/2008	OMITE-30WS	PROPARGITE	G	180	LBS	20	7S15E18	INSECTICIDE
WALNUT	8/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	498	OZ	60	7S14E14	INSECTICIDE
WALNUT	8/20/2008	OMITE-30WS	PROPARGITE	G	270	LBS	30	7S15E18	INSECTICIDE
WALNUT	8/20/2008	OMITE-30WS	PROPARGITE	G	270	LBS	30	7S15E18	INSECTICIDE
WALNUT	8/21/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S15E18	INSECTICIDE
WALNUT	8/21/2008	OMITE-30WS	PROPARGITE	G	180	LBS	20	7S15E18	INSECTICIDE
TOMATO	8/25/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	92	LBS	92	7S14E24	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	8/25/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	9	LBS	9	7S15E19	FUNGICIDE
WALNUT	8/26/2008	ETHREL BRAND ETHEPHON PLANT REGULATOR	ETHEPHON	G	15	GA	30	7S14E13	GROWTH REGULATOR
TOMATO	8/27/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	75	LBS	75	7S14E10	FUNGICIDE
ALMOND	8/28/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.61	GA	34	7S14E15	HERBICIDE

Figure 3. Location of pesticide use for Bear Creek @ Kibby Rd – Irrigation 5 SED



**Irrigation 5 RS (10/2/08) – *Hyalella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN HUMAN CONSUMP	4/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.87	GA	22.4	7S14E13	INSECTICIDE
TOMATO	5/1/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2	GA	80	7S14E14	INSECTICIDE
CORN HUMAN CONSUMP	5/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.25	GA	3	7S14E13	INSECTICIDE
PISTACHIO	5/8/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	229.5	OZ	27	7S15E17	INSECTICIDE
PISTACHIO	5/8/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	25.5	OZ	3	7S15E18	INSECTICIDE
PISTACHIO	5/9/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	170	OZ	20	7S15E20	INSECTICIDE
CORN HUMAN CONSUMP	5/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.21	GA	5.5	7S14E13	INSECTICIDE
TOMATO	5/19/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3	GA	80	7S14E14	INSECTICIDE
TOMATO	5/19/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	5.94	GA	80	7S14E14	INSECTICIDE
WALNUT	5/28/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	128	LBS	10	7S14E15	INSECTICIDE
TOMATO	5/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.13	GA	80	7S14E15	INSECTICIDE
WALNUT	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE
WALNUT	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S14E13	INSECTICIDE
COTTON	6/3/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	1.03625	PT	14	7S14E25	INSECTICIDE
COTTON	6/3/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	14.21	FLOZ	12	7S14E14	INSECTICIDE
PEACH	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6.5	GA	116.91	7S15E30	INSECTICIDE
WALNUT	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	10	7S15E18	INSECTICIDE
WALNUT	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S14E13	INSECTICIDE
CORN HUMAN CONSUMP	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	A	67.84	FLOZ	22.4	7S14E13	INSECTICIDE
WALNUT	6/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE
WALNUT	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S15E18	INSECTICIDE
WALNUT	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE
COTTON	6/6/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.42	GA	15	7S14E24	INSECTICIDE
ALMOND	6/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	9	GA	163.33	7S15E30	INSECTICIDE
ALMOND	6/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S14E13	INSECTICIDE

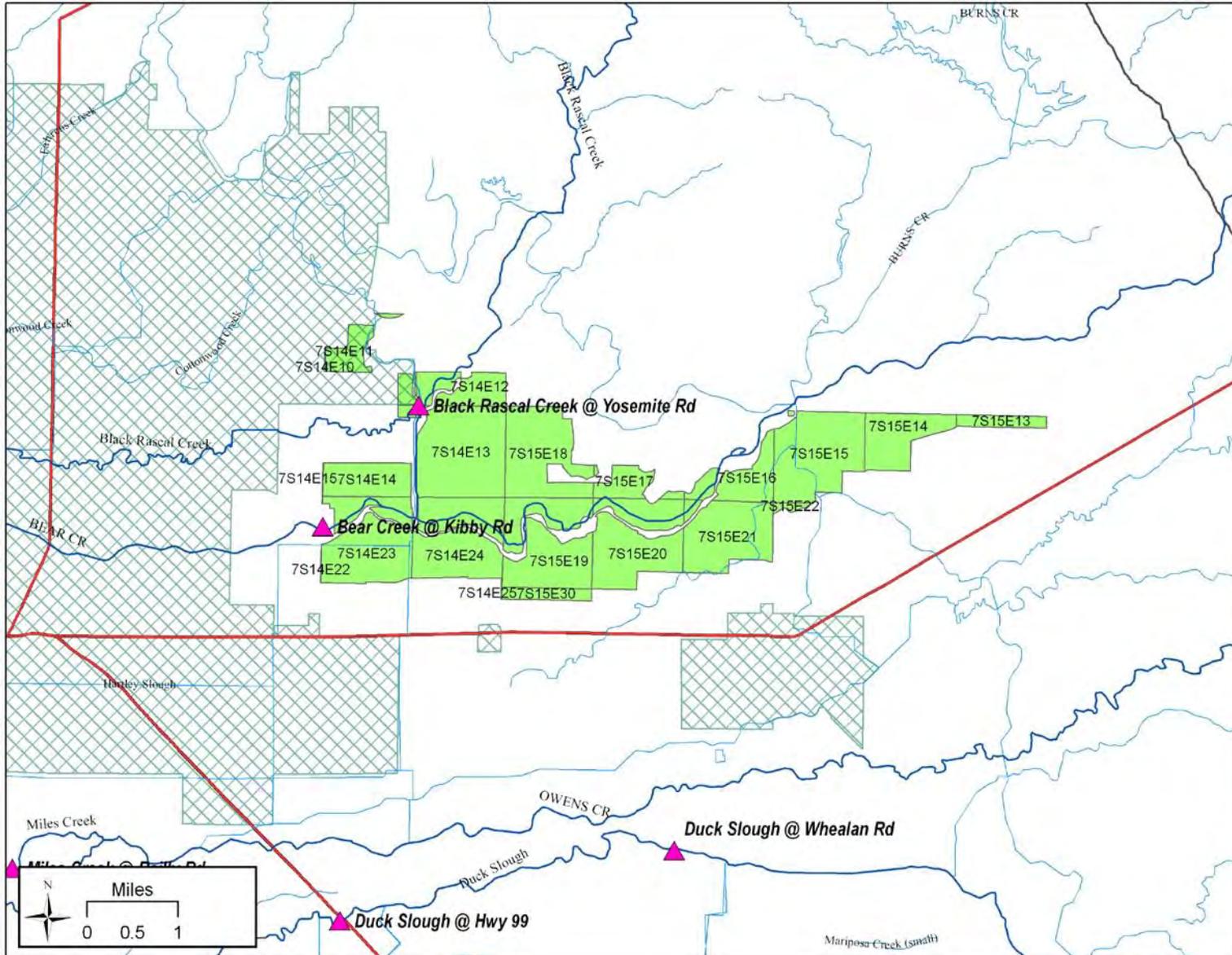
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN HUMAN CONSUMP	6/14/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	1.58	GA	33.8	7S14E13	INSECTICIDE
PISTACHIO	6/16/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	6.75	GA	54	7S15E13	INSECTICIDE
PISTACHIO	6/17/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	9.13	GA	73	7S15E13	INSECTICIDE
PISTACHIO	6/18/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	8.13	GA	65	7S15E14	INSECTICIDE
COTTON	6/19/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	14.21	FLOZ	12	7S14E14	INSECTICIDE
COTTON	6/19/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	1.03625	PT	14	7S14E25	INSECTICIDE
COTTON	6/19/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	24	7S14E13	INSECTICIDE
COTTON	6/20/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.39	GA	20	7S14E13	INSECTICIDE
TOMATO	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	7.19	GA	115	7S15E30	INSECTICIDE
TOMATO	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.13	GA	50	7S15E30	INSECTICIDE
COTTON	6/23/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.2	GA	10	7S15E18	INSECTICIDE
COTTON	6/23/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.39	GA	20	7S14E13	INSECTICIDE
COTTON	6/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.34	GA	14.5	7S14E24	INSECTICIDE
PISTACHIO	6/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.16	GA	54	7S15E13	INSECTICIDE
TOMATO	6/29/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2.69	GA	80	7S14E15	INSECTICIDE
TOMATO	6/29/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2.69	GA	80	7S14E14	INSECTICIDE
CORN FOR/FOD	6/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.53	GA	51	7S15E22	INSECTICIDE
PEACH	7/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.37	GA	26.13	7S15E30	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.43	GA	48	7S14E13	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.19	GA	40	7S14E13	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.18	GA	40	7S14E13	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.59	GA	20	7S15E18	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	89	OZ	8.9	7S14E23	INSECTICIDE
PEACH	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	99	OZ	33	7S15E19	INSECTICIDE
COTTON	7/3/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	36.84	FLOZ	14	7S14E25	INSECTICIDE
TOMATO	7/3/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	187.5	OZ	75	7S15E20	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	25.5	7S14E23	INSECTICIDE
COTTON	7/3/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	31.58	FLOZ	12	7S14E14	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PISTACHIO	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.92	GA	73	7S15E13	INSECTICIDE
TOMATO	7/7/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	216.67	OZ	130	7S15E15	INSECTICIDE
TOMATO	7/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.33	GA	34	7S15E16	INSECTICIDE
TOMATO	7/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	6.33	GA	162	7S15E16	INSECTICIDE
PEACH	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.3	GA	55	7S14E23	INSECTICIDE
TOMATO	7/10/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	153.33	OZ	92	7S14E24	INSECTICIDE
CORN HUMAN CONSUMP	7/11/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.66	GA	14	7S14E13	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LBS	45	7S14E12	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	50	LBS	50	7S14E12	INSECTICIDE
CORN FOR/FOD	7/12/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	G	187.5	OZ	37.5	7S15E20	INSECTICIDE
PEACH	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5.67	GA	90.78	7S15E30	INSECTICIDE
PISTACHIO	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.3	GA	39	7S15E15	INSECTICIDE
PISTACHIO	7/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	256	OZ	65	7S14E22	INSECTICIDE
PISTACHIO	7/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	156	OZ	39	7S15E15	INSECTICIDE
TOMATO	7/15/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	15	OZ	9	7S15E19	INSECTICIDE
PEACH	7/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	81	OZ	27	7S15E19	INSECTICIDE
TOMATO	7/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E10	INSECTICIDE
TOMATO	7/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E11	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LBS	45	7S14E12	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	52	LBS	52	7S14E12	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	50	LBS	50	7S14E12	INSECTICIDE
PEACH	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	75	OZ	25	7S15E19	INSECTICIDE
ALMOND	7/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	74.4	OZ	18.6	7S14E15	INSECTICIDE
PISTACHIO	7/21/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	9.13	GA	73	7S15E13	INSECTICIDE
WALNUT	7/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	150	OZ	15	7S14E24	INSECTICIDE
TOMATO	7/24/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	125	OZ	75	7S14E10	INSECTICIDE
COTTON	7/25/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.36	GA	12	7S14E14	INSECTICIDE
COTTON	7/29/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.38	GA	14	7S14E25	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E10	INSECTICIDE
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E11	INSECTICIDE
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	80	OZ	80	7S15E16	INSECTICIDE
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	75	OZ	75	7S14E10	INSECTICIDE
SQUASH WINTER	8/2/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	G	30	OZ	6	7S14E25	INSECTICIDE
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	5.08	GA	130	7S15E15	INSECTICIDE
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	150	FLOZ	25	7S15E17	INSECTICIDE
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.59	GA	92	7S14E24	INSECTICIDE
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.35	GA	9	7S15E19	INSECTICIDE
PEACH	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.44	GA	90	7S14E23	INSECTICIDE
WALNUT	8/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	7S14E13	INSECTICIDE
WALNUT	8/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S15E18	INSECTICIDE
ALMOND	8/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	48	7S14E15	INSECTICIDE
WALNUT	8/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	498	OZ	60	7S14E14	INSECTICIDE
WALNUT	8/21/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S15E18	INSECTICIDE
TOMATO	9/5/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.35	GA	9	7S15E19	INSECTICIDE
TOMATO	9/5/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.59	GA	92	7S14E24	INSECTICIDE
PISTACHIO	9/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	128	OZ	50	7S14E25	INSECTICIDE
TOMATO	9/6/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	319.5	OZ	75	7S14E10	INSECTICIDE
PISTACHIO	9/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1	GA	39	7S15E15	INSECTICIDE
ALMOND	9/6/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10	GA	40	7S15E18	HERBICIDE
TOMATO	9/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.5	GA	75	7S14E10	INSECTICIDE
TOMATO	9/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.46	GA	75	7S14E10	INSECTICIDE
TOMATO	9/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.98	GA	30	7S15E17	INSECTICIDE
WALNUT	9/8/2008	ETHREL BRAND ETHEPHON PLANT REGULATOR	ETHEPHON	G	10	GA	20	7S15E18	GROWTH REGULATOR
ALMOND	9/9/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	22.5	GA	80	7S14E23	HERBICIDE
PISTACHIO	9/9/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	220	PT	37	7S15E13	INSECTICIDE
PISTACHIO	9/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.95	GA	27	7S15E17	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PISTACHIO	9/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	1	GA	18	7S14E24	INSECTICIDE
WALNUT	9/10/2008	ETHREL BRAND ETHEPHON PLANT REGULATOR	ETHEPHON	G	15	GA	30	7S14E13	GROWTH REGULATOR
TOMATO	9/11/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	17.5	LBS	80	7S15E16	INSECTICIDE
TOMATO	9/11/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	80	LBS	80	7S15E16	FUNGICIDE
WALNUT	9/11/2008	ETHREL BRAND ETHEPHON PLANT REGULATOR	ETHEPHON	G	15	GA	30	7S15E18	GROWTH REGULATOR
PISTACHIO	9/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	52	LBS	66	7S14E22	INSECTICIDE
ALMOND	9/15/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.5	GA	29	7S14E24	HERBICIDE
ALMOND	9/15/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	40.875	GA	81.75	7S15E21	HERBICIDE
ALFALFA	9/16/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	2520	OZ	90	7S14E22	HERBICIDE
WALNUT	9/18/2008	ETHREL BRAND ETHEPHON PLANT REGULATOR	ETHEPHON	G	10	GA	40	7S14E23	GROWTH REGULATOR
WALNUT	9/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3.13	GA	40	7S14E23	INSECTICIDE
WALNUT	9/18/2008	ETHEPHON 2	ETHEPHON	G	10	GA	40	7S14E23	GROWTH REGULATOR
TOMATO	9/19/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	32.81	LBS	150	7S14E10	INSECTICIDE
TOMATO	9/19/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	150	LBS	150	7S14E10	FUNGICIDE
POMEGRANATE	9/22/2008	NUFARM CREDIT EXTRA	GLYPHOSATE	G	15	GA	36	7S15E18	HERBICIDE
COTTON	9/24/2008	SUPER BOLL	ETHEPHON	G	2.25	GA	12	7S14E14	GROWTH REGULATOR
COTTON	9/24/2008	SUPER BOLL	ETHEPHON	G	2.63	GA	14	7S14E25	GROWTH REGULATOR
PISTACHIO	9/25/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	27.5	GA	220	7S15E13	INSECTICIDE
COTTON	9/30/2008	MFY COTTON HARVEST AID	ETHEPHON	G	10.88	GA	29	7S14E24	GROWTH REGULATOR
COTTON	10/2/2008	FINISH BRAND 6 HARVEST AID FOR COTTON	ETHEPHON	G	3.13	GA	20	7S15E18	GROWTH REGULATOR
TOMATO	10/2/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	80	LBS	80	7S15E16	FUNGICIDE

Figure 4. Location of pesticide use for Bear Creek @ Kibby Rd – Irrigation 5 SED RS



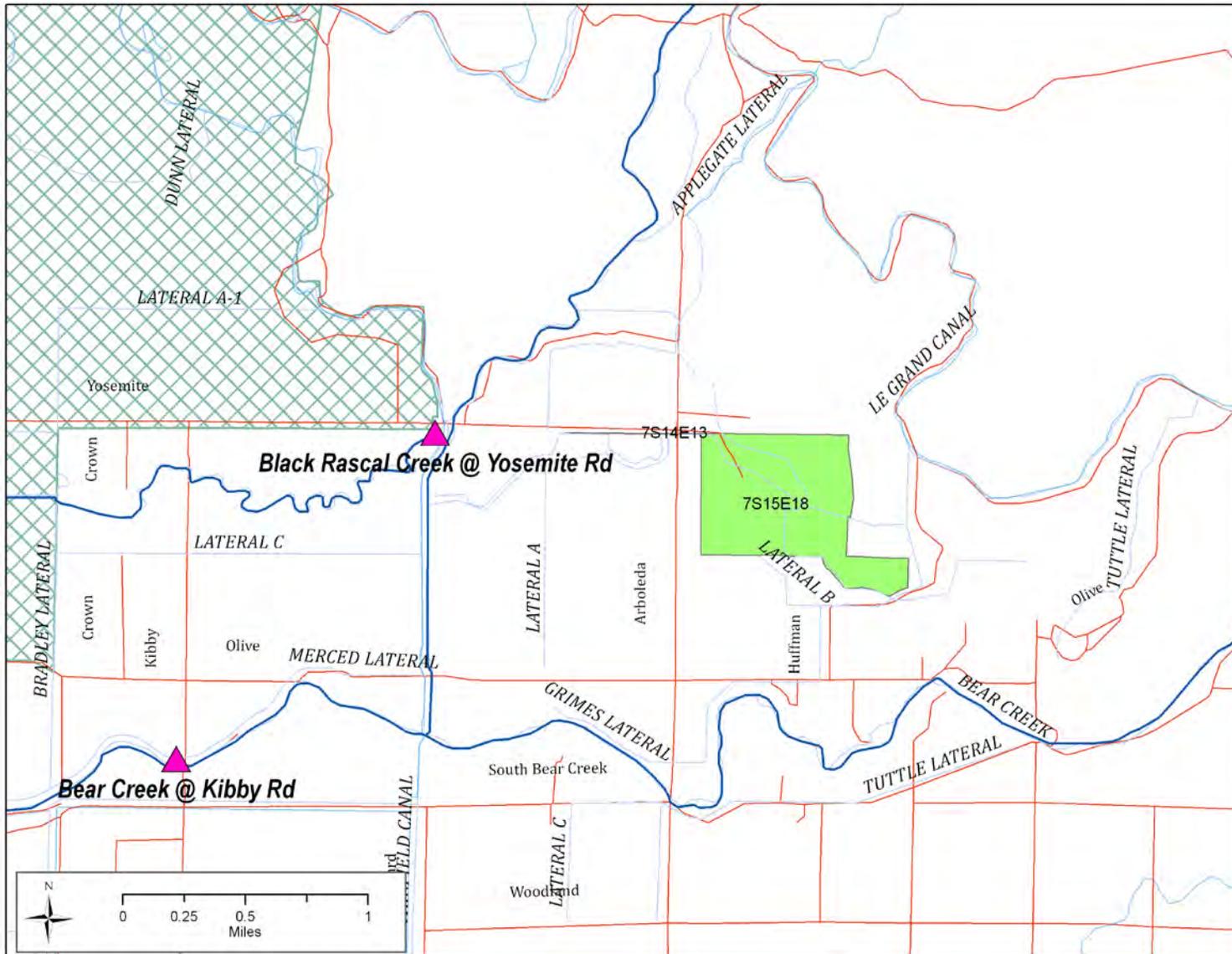
***Black Rascal Creek @ Yosemite Rd***

**Pesticide Use Reports for metal exceedances in the water column**

**Irrigation 1 (4/29/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	3/14/2008	NU-COP 50DF	COPPER HYDROXIDE	A	160	LBS	20	7S15E18	FUNGICIDE
WALNUT	3/18/2008	NU-COP 50DF	COPPER HYDROXIDE	G	240	LBS	30	7S14E13	FUNGICIDE
WALNUT	4/1/2008	NU-COP 50DF	COPPER HYDROXIDE	A	160	LBS	20	7S15E18	FUNGICIDE
WALNUT	4/1/2008	NU-COP 50DF	COPPER HYDROXIDE	G	240	LBS	30	7S14E13	FUNGICIDE

Figure 5. Location of pesticide use for Black Rascal Creek @ Yosemite Rd – Irrigation 1



## Pesticide Use Reports for sediment toxicity

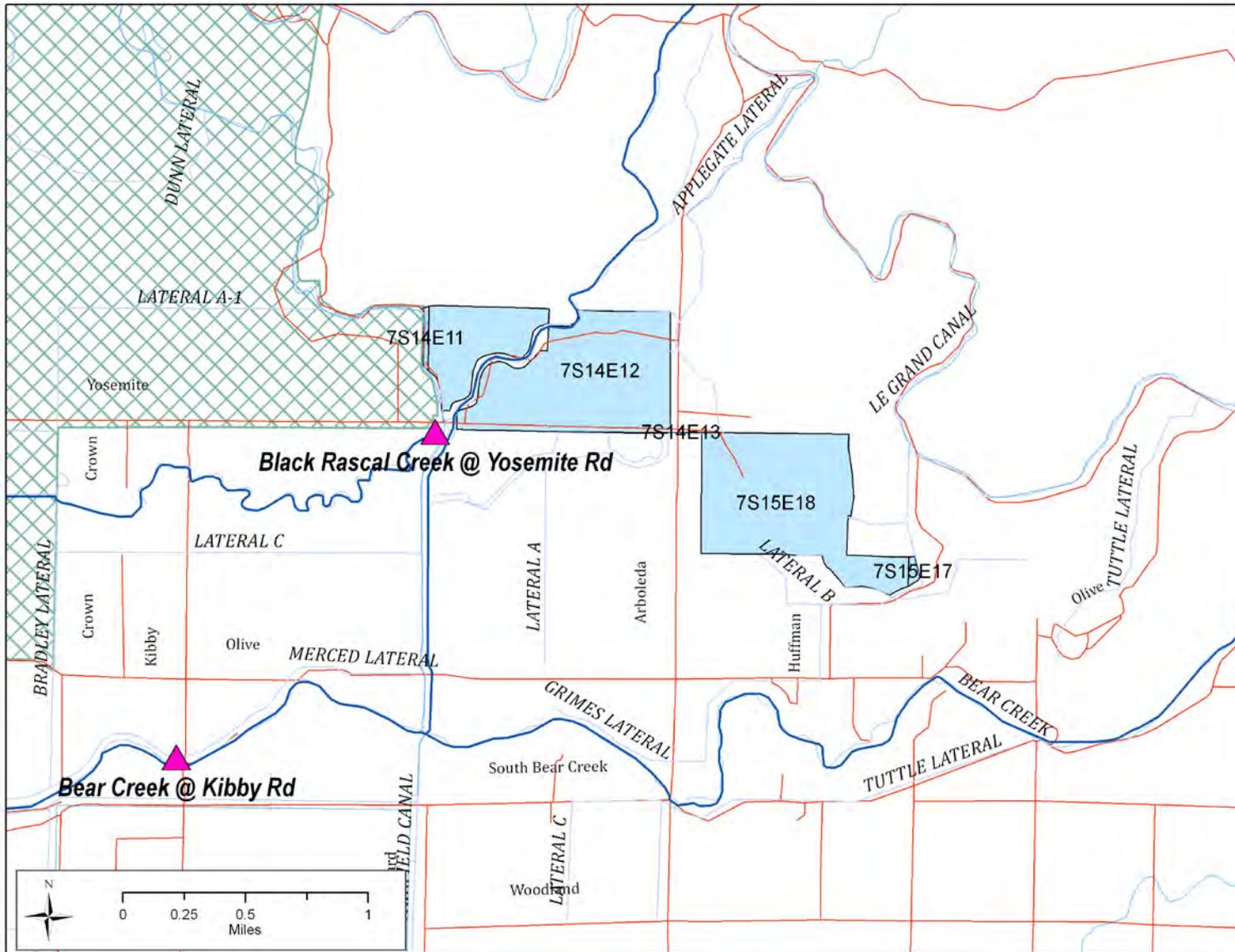
### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN HUMAN CONSUMP	3/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.74	GA	19.6	7S14E13	INSECTICIDE
CORN HUMAN CONSUMP	4/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.87	GA	22.4	7S14E13	INSECTICIDE
CORN HUMAN CONSUMP	5/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.25	GA	3	7S14E13	INSECTICIDE
PISTACHIO	5/8/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	25.5	OZ	3	7S15E18	INSECTICIDE
PISTACHIO	5/8/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	229.5	OZ	27	7S15E17	INSECTICIDE
CORN HUMAN CONSUMP	5/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.21	GA	5.5	7S14E13	INSECTICIDE
WALNUT	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE
WALNUT	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S14E13	INSECTICIDE
WALNUT	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	10	7S15E18	INSECTICIDE
WALNUT	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S14E13	INSECTICIDE
CORN HUMAN CONSUMP	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	A	67.84	FLOZ	22.4	7S14E13	INSECTICIDE
WALNUT	6/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE
WALNUT	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	7S15E18	INSECTICIDE
WALNUT	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	7S15E18	INSECTICIDE
ALMOND	6/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S14E13	INSECTICIDE
CORN HUMAN CONSUMP	6/14/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	1.58	GA	33.8	7S14E13	INSECTICIDE
COTTON	6/19/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	24	7S14E13	INSECTICIDE
COTTON	6/20/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.39	GA	20	7S14E13	INSECTICIDE
COTTON	6/23/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.39	GA	20	7S14E13	INSECTICIDE
COTTON	6/23/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.2	GA	10	7S15E18	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.19	GA	40	7S14E13	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.43	GA	48	7S14E13	INSECTICIDE
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.18	GA	40	7S14E13	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
COTTON	7/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.59	GA	20	7S15E18	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LBS	45	7S14E12	INSECTICIDE
CORN HUMAN CONSUMP	7/11/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.66	GA	14	7S14E13	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	50	LBS	50	7S14E12	INSECTICIDE
TOMATO	7/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E11	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LBS	45	7S14E12	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	50	LBS	50	7S14E12	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	52	LBS	52	7S14E12	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	0.63	GA	20	7S15E18	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1.5	GA	48	7S14E13	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	2.5	GA	80	7S14E13	INSECTICIDE
TOMATO	7/31/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.93	GA	75	7S14E11	INSECTICIDE
ALMOND	8/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7.5	GA	40	7S15E18	HERBICIDE
ALMOND	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	28.22	GA	70	7S14E13	HERBICIDE
TOMATO	8/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	150	FLOZ	25	7S15E17	INSECTICIDE
ALMOND	8/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34	GA	68	7S14E13	HERBICIDE
ALMOND	8/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34	GA	68	7S14E13	FUNGICIDE
WALNUT	8/9/2008	ETHREL BRAND ETHEPHON PLANT REGULATOR	ETHEPHON	G	5	GA	10	7S15E18	GROWTH REGULATOR
WALNUT	8/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	7S14E13	INSECTICIDE
WALNUT	8/15/2008	OMITE-30WS	PROPARGITE	G	270	LBS	30	7S14E13	INSECTICIDE
WALNUT	8/16/2008	OMITE-30WS	PROPARGITE	G	270	LBS	30	7S14E13	INSECTICIDE
WALNUT	8/16/2008	OMITE-30WS	PROPARGITE	G	90	LBS	10	7S15E18	INSECTICIDE
WALNUT	8/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S15E18	INSECTICIDE
WALNUT	8/18/2008	OMITE-30WS	PROPARGITE	G	180	LBS	20	7S15E18	INSECTICIDE
WALNUT	8/19/2008	OMITE-30WS	PROPARGITE	G	180	LBS	20	7S15E18	INSECTICIDE
WALNUT	8/20/2008	OMITE-30WS	PROPARGITE	G	270	LBS	30	7S15E18	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	8/20/2008	OMITE-30WS	PROPARGITE	G	270	LBS	30	7S15E18	INSECTICIDE
WALNUT	8/21/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	7S15E18	INSECTICIDE
WALNUT	8/21/2008	OMITE-30WS	PROPARGITE	G	180	LBS	20	7S15E18	INSECTICIDE
WALNUT	8/26/2008	ETHREL BRAND ETHEPHON PLANT REGULATOR	ETHEPHON	G	15	GA	30	7S14E13	GROWTH REGULATOR

Figure 6. Location of pesticide use for Black Rascal Creek @ Yosemite Rd – Irrigation 5 SED



## Cottonwood Creek @ Rd 20

### Pesticide Use Reports for metal exceedances in the water column

#### Irrigation 1 (4/29/08) - copper exceedance.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	3/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	22.5	LB	15	12S18E3	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	18	12S18E10	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	38.18	12S17E22	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	116	LB	116	12S17E4	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E4	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	150	LB	150	12S18E12	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S18E34	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	19	LB	19	11S17E36	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	160	LB	160	12S16E12	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	8	LB	8	12S17E18	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16	LB	15.73	12S17E18	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6	LB	7	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	48	LB	47.5	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	190	LB	195.23	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	19.58	12S17E18	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	3	LB	3	11S17E36	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33	LB	33.63	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
WINE GRAPES	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	35	LB	18	11S17E35	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	89	LB	89.43	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	68	LB	66.42	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	43	LB	43	12S17E17	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	100	LB	101.32	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	141	LB	141.05	12S17E17	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	36	LB	35.34	12S17E18	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	79.49	12S17E18	FUNGICIDE
WINE GRAPES	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	38	LB	38	12S17E18	FUNGICIDE
GRAPE	3/28/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	163	QT	163	12S18E4	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S17E10	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S17E10	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	11S17E35	FUNGICIDE
WINE GRAPES	3/29/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	12S17E7	FUNGICIDE
WINE GRAPES	3/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	34	PT	17	12S17E5	FUNGICIDE
WINE GRAPES	3/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	26	PT	13	12S17E4	FUNGICIDE
GRAPE, RAISIN	3/31/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	12S18E21	FUNGICIDE
GRAPE, RAISIN	3/31/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	18	LB	18	12S18E20	FUNGICIDE
WINE GRAPES	3/31/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E7	FUNGICIDE
WINE GRAPES	3/31/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E9	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S18E9	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	40	LB	40	12S17E16	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	12S17E1	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	50	LB	50	12S17E16	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	80	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	8	LB	8	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	32.97	LB	34.7	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6.02	LB	7	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	189.12	LB	197	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	15	11S19E31	FUNGICIDE

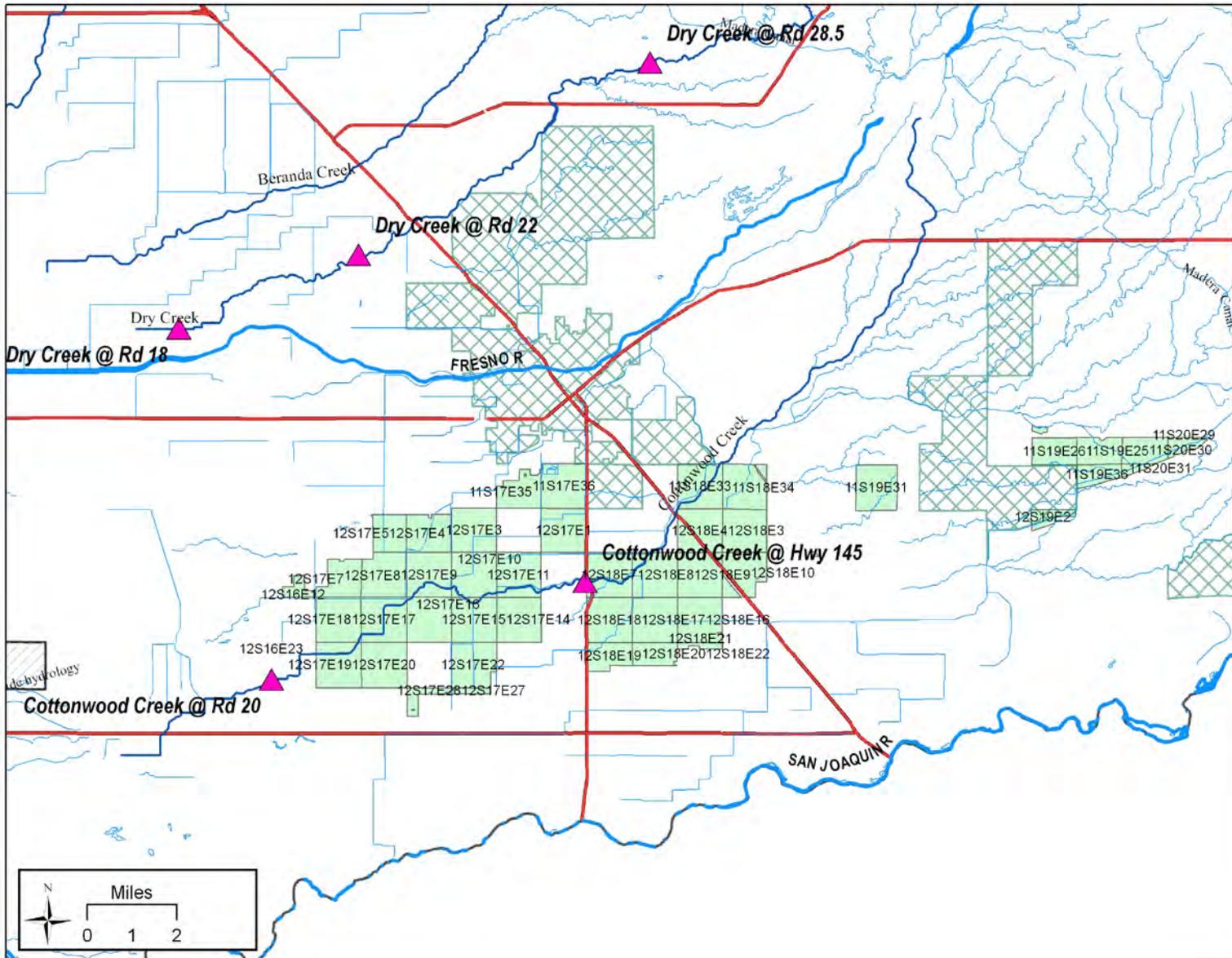
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45.12	LB	48	12S17E20	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/1/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	46.25	LB	37	12S17E28	FUNGICIDE
WINE GRAPES	4/1/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	40	PT	20	12S17E5	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE DF	COPPER HYDROXIDE	G	322	LB	161	11S20E29	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	225	LB	150	12S18E22	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	120	LB	80	12S18E22	FUNGICIDE
WINE GRAPES	4/2/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
	4/2/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	87	LB	58	12S18E20	FUNGICIDE
WINE GRAPES	4/3/2008	KOCIDE DF	COPPER HYDROXIDE	G	350	LB	175	11S20E30	FUNGICIDE
WINE GRAPES	4/3/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	116	PT	58	12S17E3	FUNGICIDE
GRAPE, RAISIN	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	60	12S17E14	FUNGICIDE
WINE GRAPES	4/4/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE
WINE GRAPES	4/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	72	LB	72	12S17E19	FUNGICIDE
WINE GRAPES	4/6/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10	LB	10	12S17E1	FUNGICIDE
GRAPE	4/6/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E1	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	74	LB	37	12S17E28	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S18E33	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	18.7	LB	17	12S17E9	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LB	120	12S18E19	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	11S17E35	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	210	LB	210	12S17E19	FUNGICIDE
WINE GRAPES	4/7/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	12S17E9	FUNGICIDE
GRAPE, RAISIN	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E15	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E15	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	38	LB	38	12S17E19	FUNGICIDE
WINE GRAPES	4/8/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	22	LB	22	12S17E11	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/8/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	20	LB	20	12S17E11	FUNGICIDE
GRAPE, RAISIN	4/8/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	100	LB	76.37	12S17E22	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	320	PT	160	12S17E3	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	56.2	GA	224.8	11S19E25	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	13.2	GA	52.7	11S19E26	FUNGICIDE
GRAPE, RAISIN	4/9/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E17	FUNGICIDE
GRAPE, RAISIN	4/9/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E21	FUNGICIDE
WINE GRAPES	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	116	LB	116	12S17E4	FUNGICIDE
WINE GRAPES	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	18.9	GA	75.8	11S19E36	FUNGICIDE
WINE GRAPES	4/10/2008	KOCIDE DF	COPPER HYDROXIDE	G	474	LB	237	11S20E30	FUNGICIDE
WINE GRAPES	4/10/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	12S17E9	FUNGICIDE
WINE GRAPES	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	94	PT	47	12S17E4	FUNGICIDE
GRAPE, RAISIN	4/11/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	49.5	LB	33	12S17E11	FUNGICIDE
WINE GRAPES	4/11/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10	LB	10	12S18E19	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	64	PT	32	12S17E5	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	180	PT	90	12S17E5	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	57.4	GA	229.7	11S19E26	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	62	PT	31	12S17E4	FUNGICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25	LB	25	12S17E9	FUNGICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	1.5	LB	1.5	12S17E9	FUNGICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	35	LB	35	12S16E23	FUNGICIDE
WINE GRAPES	4/12/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	90	PT	45	12S17E4	FUNGICIDE
WINE GRAPES	4/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LB	16	11S18E33	FUNGICIDE
GRAPE, RAISIN	4/14/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	40	LB	20	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/14/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	50	LB	25	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	20	LB	10	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	60	LB	30	12S17E28	FUNGICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	60	LB	30	12S17E27	FUNGICIDE
WINE GRAPES	4/16/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LB	36	12S18E8	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/16/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E19	FUNGICIDE
WINE GRAPES	4/16/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	40	LB	40	12S17E19	FUNGICIDE
GRAPE, RAISIN	4/16/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	80	LB	40	12S17E27	FUNGICIDE
WINE GRAPES	4/16/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	116	PT	58	12S17E3	FUNGICIDE
WINE GRAPES	4/16/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	120	PT	60	12S17E4	FUNGICIDE
GRAPE, RAISIN	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25.8	LB	17.2	11S17E35	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	19.5	LB	13	12S18E4	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25.8	LB	17.2	11S17E35	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S18E19	FUNGICIDE
WINE GRAPES	4/18/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	42	LB	28	12S17E8	FUNGICIDE
WINE GRAPES	4/18/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	83	LB	55	11S17E36	FUNGICIDE
GRAPE, RAISIN	4/18/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E15	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	242	PT	141	12S17E3	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	194	PT	97	12S17E5	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	68	PT	34	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	144	PT	72	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	36	PT	18	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	120	PT	60	12S17E4	FUNGICIDE
GRAPE, RAISIN	4/19/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S17E10	FUNGICIDE
GRAPE, RAISIN	4/19/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S17E10	FUNGICIDE
WINE GRAPES	4/19/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	64	PT	32	12S17E5	FUNGICIDE
GRAPE	4/21/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E18	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	80	12S17E18	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	189.12	LB	197	12S17E20	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6.02	LB	7	12S17E20	FUNGICIDE
GRAPE, RAISIN	4/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LB	36	11S17E35	FUNGICIDE
WINE GRAPES	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	55.5	LB	37	12S17E8	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	10	12S17E9	FUNGICIDE
WINE GRAPES	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	117	LB	78	12S17E9	FUNGICIDE

Figure 7. Location of copper use for Cottonwood Creek @ Rd 20 – Irrigation 1

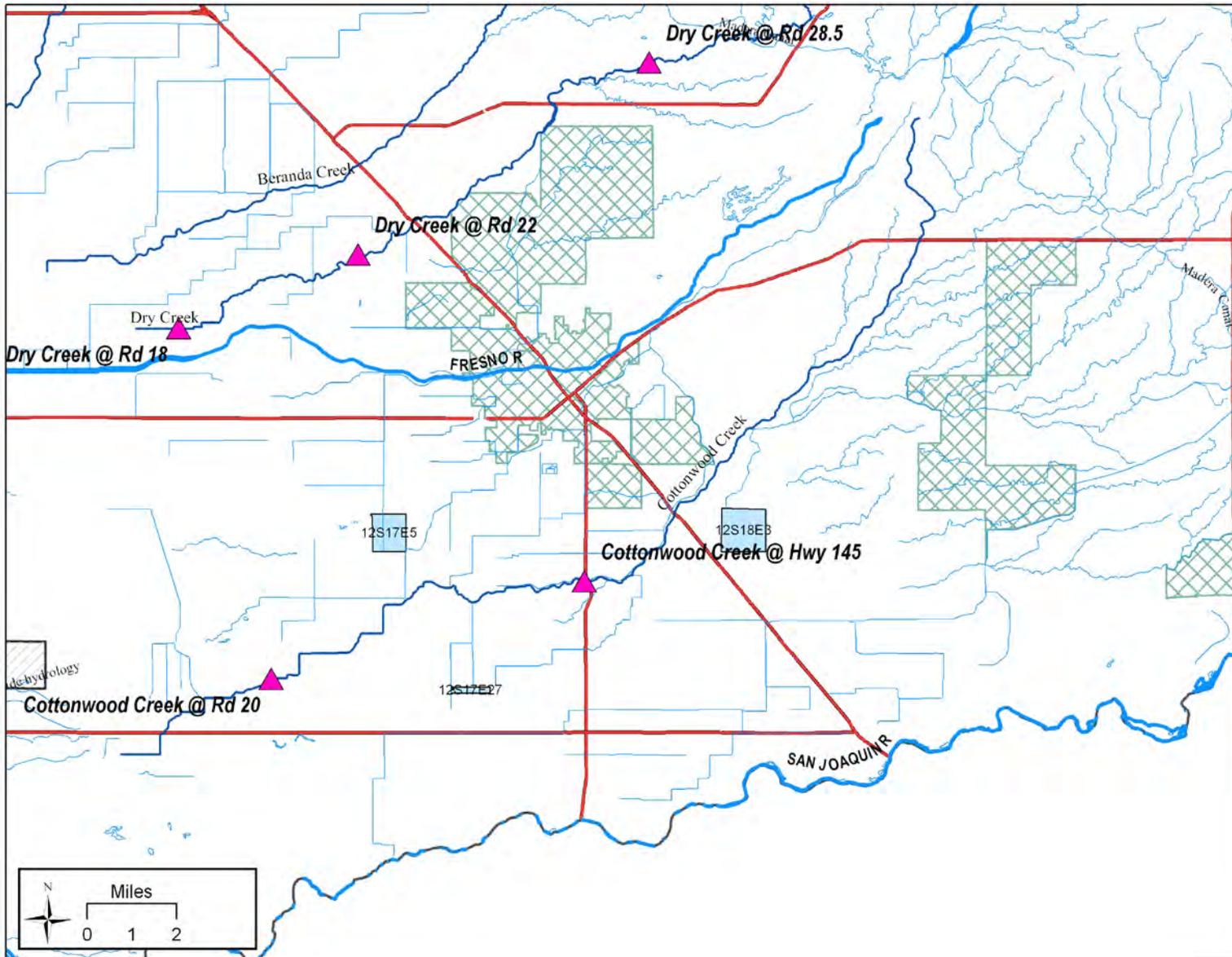


**Irrigation 5 (8/26/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE RAISIN	6/3/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	INSECTICIDE
GRAPE RAISIN	6/3/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	FUNGICIDE
GRAPE RAISIN	6/3/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	HERBICIDE
GRAPE RAISIN	6/4/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	INSECTICIDE
GRAPE RAISIN	6/4/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	HERBICIDE
GRAPE RAISIN	6/4/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	FUNGICIDE
GRAPE RAISIN	6/5/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	FUNGICIDE
GRAPE RAISIN	6/5/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	INSECTICIDE
GRAPE RAISIN	6/5/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	HERBICIDE
GRAPE RAISIN	6/6/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	FUNGICIDE
GRAPE RAISIN	6/6/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	INSECTICIDE
GRAPE RAISIN	6/6/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	HERBICIDE
GRAPE RAISIN	6/7/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	20	LBS	10	12S18E3	INSECTICIDE
GRAPE RAISIN	6/7/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	20	LBS	10	12S18E3	HERBICIDE
GRAPE RAISIN	6/7/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	20	LBS	10	12S18E3	FUNGICIDE
GRAPE RAISIN	6/8/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	HERBICIDE
GRAPE RAISIN	6/8/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	FUNGICIDE
GRAPE RAISIN	6/8/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	INSECTICIDE
GRAPE RAISIN	6/9/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	HERBICIDE
GRAPE RAISIN	6/9/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	FUNGICIDE
GRAPE RAISIN	6/9/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	INSECTICIDE
GRAPE RAISIN	8/4/2008	CSC COPPER SULFUR DUST	COPPER SULFATE (BASIC)	G	200	LBS	10	12S17E27	FUNGICIDE
GRAPE RAISIN	8/4/2008	CSC COPPER SULFUR DUST	COPPER SULFATE (BASIC)	G	200	LBS	10	12S17E27	HERBICIDE
GRAPE RAISIN	8/4/2008	CSC COPPER SULFUR DUST	COPPER SULFATE (BASIC)	G	200	LBS	10	12S17E27	INSECTICIDE
GRAPE RAISIN	8/4/2008	CSC COPPER SULFUR DUST	COPPER OXYCHLORIDE	G	200	LBS	10	12S17E27	FUNGICIDE
ALMOND	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	70.71	LBS	72	12S17E5	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	39.29	LBS	40	12S17E5	HERBICIDE
ALMOND	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	39.29	LBS	40	12S17E5	FUNGICIDE
PISTACHIO	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	40	LBS	40	12S17E5	FUNGICIDE
PISTACHIO	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	40	LBS	40	12S17E5	INSECTICIDE
ALMOND	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	70.71	LBS	72	12S17E5	HERBICIDE
ALMOND	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	70.71	LBS	72	12S17E5	FUNGICIDE
PISTACHIO	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	40	LBS	40	12S17E5	HERBICIDE
ALMOND	8/11/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	39.29	LBS	40	12S17E5	INSECTICIDE

Figure 8. Location of copper use for Cottonwood Creek @ Rd 20 – Irrigation 5



## Pesticide Use Reports for water column toxicity

### Irrigation 1 (4/29/08) - *Selenastrum capricornutum* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	2/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LB	4	12S18E9	FUNGICIDE
TANGELO	2/14/2008	NORDOX	COPPER OXIDE (OUS)	G	160	LB	40	11S20E31	FUNGICIDE
ORANGE	2/14/2008	NORDOX	COPPER OXIDE (OUS)	G	80	LB	20	11S20E31	FUNGICIDE
TANGELO	2/15/2008	NORDOX	COPPER OXIDE (OUS)	G	120	LB	30	11S20E31	FUNGICIDE
TANGELO	2/15/2008	NORDOX	COPPER OXIDE (OUS)	G	56	LB	14	11S19E36	FUNGICIDE
ORANGE	2/16/2008	COP-O-ZINC	COPPER	G	276	LB	23	12S19E2	FUNGICIDE
ALMOND	3/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	18	12S18E8	FUNGICIDE
GRAPE, RAISIN	3/15/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	40	LB	40	12S18E7	FUNGICIDE
GRAPE	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	82.86	LB	82.86	12S18E18	FUNGICIDE
GRAPE, RAISIN	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	39.2	LB	39.2	12S18E9	FUNGICIDE
GRAPE, RAISIN	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	39.2	LB	39.2	12S18E16	FUNGICIDE
GRAPE, RAISIN	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	67.82	LB	67.82	12S18E16	FUNGICIDE
GRAPE, RAISIN	3/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	35	LB	15	11S17E35	FUNGICIDE
GRAPE, RAISIN	3/25/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	115	LB	115	12S17E9	FUNGICIDE
WINE GRAPES	3/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	22.5	LB	15	12S18E3	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	18	12S18E10	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	38.18	12S17E22	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	116	LB	116	12S17E4	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E4	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	150	LB	150	12S18E12	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S18E34	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	19	LB	19	11S17E36	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	160	LB	160	12S16E12	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	8	LB	8	12S17E18	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16	LB	15.73	12S17E18	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6	LB	7	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	48	LB	47.5	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	190	LB	195.23	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	19.58	12S17E18	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	3	LB	3	11S17E36	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33	LB	33.63	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
WINE GRAPES	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	35	LB	18	11S17E35	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	89	LB	89.43	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	68	LB	66.42	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	43	LB	43	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	100	LB	101.32	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	141	LB	141.05	12S17E17	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	36	LB	35.34	12S17E18	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	79.49	12S17E18	FUNGICIDE
WINE GRAPES	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	38	LB	38	12S17E18	FUNGICIDE
GRAPE	3/28/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	163	QT	163	12S18E4	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S17E10	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S17E10	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	11S17E35	FUNGICIDE
WINE GRAPES	3/29/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	12S17E7	FUNGICIDE
WINE GRAPES	3/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	34	PT	17	12S17E5	FUNGICIDE
WINE GRAPES	3/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	26	PT	13	12S17E4	FUNGICIDE
GRAPE, RAISIN	3/31/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	12S18E21	FUNGICIDE
GRAPE, RAISIN	3/31/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	18	LB	18	12S18E20	FUNGICIDE
WINE GRAPES	3/31/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E7	FUNGICIDE
WINE GRAPES	3/31/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PISTACHIO	4/1/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	2	GA	6.4	11S19E6	HERBICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E9	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S18E9	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	40	LB	40	12S17E16	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	12S17E1	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	50	LB	50	12S17E16	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	80	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	8	LB	8	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	32.97	LB	34.7	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6.02	LB	7	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	189.12	LB	197	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	15	11S19E31	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45.12	LB	48	12S17E20	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/1/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	46.25	LB	37	12S17E28	FUNGICIDE
PEACH	4/1/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	96	OZ	4	12S18E9	HERBICIDE
PISTACHIO	4/1/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1	GA	6.4	11S19E6	HERBICIDE
ALMOND	4/1/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	20	QT	13	12S17E2	HERBICIDE
WINE GRAPES	4/1/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	40	PT	20	12S17E5	FUNGICIDE
PEACH	4/1/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	128	OZ	4	12S18E9	HERBICIDE
GRAPE, RAISIN	4/1/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	53.33	PT	40	12S17E22	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	104	OZ	13	12S17E2	HERBICIDE
GRAPE, RAISIN	4/1/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	46.2	PT	38.5	12S18E16	HERBICIDE
WINE GRAPES	4/2/2008	KOCIDE DF	COPPER HYDROXIDE	G	322	LB	161	11S20E29	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	225	LB	150	12S18E22	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	120	LB	80	12S18E22	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/2/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	10	GA	10	11S18E33	HERBICIDE
ALMOND	4/2/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	178.04	PT	97.92	12S18E18	HERBICIDE
PISTACHIO	4/2/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5	GA	8	11S18E1	HERBICIDE
ALMOND	4/2/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	118.47	PT	65.16	12S18E18	HERBICIDE
GRAPE, RAISIN	4/2/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	0.5	QT	53	12S18E21	HERBICIDE
WINE GRAPES	4/2/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
	4/2/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	87	LB	58	12S18E20	FUNGICIDE
WINE GRAPES	4/2/2008	SIM-TROL 90DF	SIMAZINE	G	30	LB	10	11S18E33	HERBICIDE
WINE GRAPES	4/2/2008	OXYSTAR 2E	OXYFLUORFEN	G	41.95	GA	153.8	12S16E25	HERBICIDE
ALMOND	4/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	71.08	PT	65.16	12S18E18	HERBICIDE
ALMOND	4/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	106.82	PT	97.92	12S18E18	HERBICIDE
ALMOND	4/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	40	QT	27.32	12S17E2	HERBICIDE
PISTACHIO	4/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2	GA	8	11S18E1	HERBICIDE
WINE GRAPES	4/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	27.96	GA	153.8	12S16E25	HERBICIDE
PEACH	4/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	936	OZ	39	12S17E12	HERBICIDE
ALMOND	4/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	20	QT	13	12S17E1	HERBICIDE
ALMOND	4/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	10	QT	6.5	12S17E1	HERBICIDE
GRAPE, RAISIN	4/2/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	8.94	LB	53	12S18E21	HERBICIDE
ALMOND	4/2/2008	GOAL 2XL	OXYFLUORFEN	G	52	OZ	6.5	12S17E1	HERBICIDE
PEACH	4/2/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	1248	OZ	39	12S17E12	HERBICIDE
WINE GRAPES	4/2/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	55.93	GA	153.8	12S16E25	HERBICIDE
ALMOND	4/2/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	219	OZ	27.32	12S17E2	HERBICIDE
GRAPE, RAISIN	4/2/2008	WISE UP PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.96	GA	53	12S18E21	HERBICIDE
WINE GRAPES	4/3/2008	KOCIDE DF	COPPER HYDROXIDE	G	350	LB	175	11S20E30	FUNGICIDE
PISTACHIO	4/3/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	2	GA	6.4	11S19E6	HERBICIDE
PISTACHIO	4/3/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	15	GA	24	11S18E12	HERBICIDE
PISTACHIO	4/3/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	2	GA	6.4	11S19E5	HERBICIDE
ORANGE	4/3/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	4.48	GA	41	11S20E31	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/3/2008	MACHO 2.0 FL	IMIDACLOPRID	G	6720	OZ	280	11S20E29	HERBICIDE
PISTACHIO	4/3/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	6	GA	24	11S18E12	HERBICIDE
PISTACHIO	4/3/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1	GA	6.4	11S19E6	HERBICIDE
ALMOND	4/3/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	20	QT	13.66	12S17E3	HERBICIDE
PISTACHIO	4/3/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1	GA	6.4	11S19E5	HERBICIDE
WINE GRAPES	4/3/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	116	PT	58	12S17E3	FUNGICIDE
ALMOND	4/3/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	110	OZ	13.66	12S17E3	HERBICIDE
ALMOND	4/3/2008	FARMSAVER.COM GLYPHOSATE 4	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1100	OZ	55	12S18E15	HERBICIDE
GRAPE, RAISIN	4/3/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	45	PT	37.5	12S18E16	HERBICIDE
GRAPE, RAISIN	4/4/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	36	QT	8	12S17E9	HERBICIDE
WINE GRAPES	4/4/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	58	GA	58	12S17E3	HERBICIDE
PISTACHIO	4/4/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5	GA	8	11S18E13	HERBICIDE
PISTACHIO	4/4/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	2.5	GA	4	11S18E13	HERBICIDE
GRAPE, RAISIN	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	60	12S17E14	FUNGICIDE
WINE GRAPES	4/4/2008	MACHO 2.0 FL	IMIDACLOPRID	G	912	OZ	38	11S20E30	HERBICIDE
ALMOND	4/4/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	10	QT	6.83	12S17E3	HERBICIDE
PISTACHIO	4/4/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1	GA	4	11S18E13	HERBICIDE
PEACH	4/4/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	696	OZ	29	12S17E12	HERBICIDE
PISTACHIO	4/4/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2	GA	8	11S18E13	HERBICIDE
WINE GRAPES	4/4/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE
PEACH	4/4/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	928	OZ	29	12S17E12	HERBICIDE
ALMOND	4/4/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	55	OZ	6.83	12S17E2	HERBICIDE
SOIL FUM/PREPLT	4/4/2008	MBC-33 SOIL FUMIGANT	METHYL BROMIDE	G	933	LB	3.1	12S18E12	HERBICIDE
WINE GRAPES	4/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	72	LB	72	12S17E19	FUNGICIDE
ALMOND	4/5/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	73.45	GA	202	11S19E19	HERBICIDE
GRAPE, RAISIN	4/5/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	5.5	GA	36	12S17E29	HERBICIDE
ORANGE	4/5/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2.5	GA	3	11S19E20	HERBICIDE
ORANGE	4/5/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	5	GA	6	11S19E29	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/5/2008	GOAL 2XL	OXYFLUORFEN	G	587.64	OZ	202	11S19E19	HERBICIDE
WINE GRAPES	4/6/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10	LB	10	12S17E1	FUNGICIDE
GRAPE	4/6/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E1	FUNGICIDE
GRAPE, RAISIN	4/6/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	5.5	GA	38	12S18E9	HERBICIDE
PISTACHIO	4/6/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	4	GA	4	11S19E20	HERBICIDE
PEACH	4/6/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	780	OZ	32.5	12S17E12	HERBICIDE
PEACH	4/6/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	1040	OZ	32.5	12S17E12	HERBICIDE
WINE GRAPES	4/7/2008	SIMAZINE 90DF	SIMAZINE	G	94.73	LB	156	12S16E23	HERBICIDE
WINE GRAPES	4/7/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	16.68	QT	16.68	12S17E1	HERBICIDE
ORANGE	4/7/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	4.38	GA	40	11S20E31	HERBICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	74	LB	37	12S17E28	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S18E33	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	18.7	LB	17	12S17E9	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LB	120	12S18E19	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	11S17E35	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	210	LB	210	12S17E19	FUNGICIDE
WINE GRAPES	4/7/2008	MACHO 2.0 FL	IMIDACLOPRID	G	5688	OZ	237	11S20E30	HERBICIDE
WINE GRAPES	4/7/2008	MACHO 2.0 FL	IMIDACLOPRID	G	3864	OZ	161	11S20E29	HERBICIDE
WINE GRAPES	4/7/2008	MACHO 2.0 FL	IMIDACLOPRID	G	4200	OZ	175	11S20E30	HERBICIDE
WINE GRAPES	4/7/2008	OXYSTAR 2E	OXYFLUORFEN	G	20.43	GA	74.9	12S16E24	HERBICIDE
WINE GRAPES	4/7/2008	OXYSTAR 2E	OXYFLUORFEN	G	42.55	GA	156	12S16E23	HERBICIDE
WINE GRAPES	4/7/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	28.36	GA	156	12S16E23	HERBICIDE
WINE GRAPES	4/7/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	13.62	GA	74.9	12S16E24	HERBICIDE
WINE GRAPES	4/7/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	16.68	QT	16.68	12S17E1	HERBICIDE
WINE GRAPES	4/7/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE
WINE GRAPES	4/7/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	56.73	GA	156	12S16E23	HERBICIDE
WINE GRAPES	4/7/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	27.24	GA	74.9	12S16E24	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	4/8/2008	TOUCHDOWN HITECH	GLYPHOSATE, POTASSIUM SALT	G	2.5	GA	6	11S18E9	HERBICIDE
WINE GRAPES	4/8/2008	SIMAZINE 90DF	SIMAZINE	G	42.31	LB	76	12S17E5	HERBICIDE
WINE GRAPES	4/8/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	15	GA	60	12S17E1	HERBICIDE
ORANGE	4/8/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	2.84	GA	26	11S20E31	HERBICIDE
TANGELO	4/8/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	1.75	GA	16	11S20E31	HERBICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	12S17E9	FUNGICIDE
GRAPE, RAISIN	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E15	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E15	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	38	LB	38	12S17E19	FUNGICIDE
GRAPE, RAISIN	4/8/2008	SIM-TROL 90DF	SIMAZINE	G	10	LB	6	11S18E9	HERBICIDE
WINE GRAPES	4/8/2008	OXYSTAR 2E	OXYFLUORFEN	G	19	GA	76	12S17E5	HERBICIDE
WINE GRAPES	4/8/2008	OXYSTAR 2E	OXYFLUORFEN	G	45.65	GA	167.4	12S16E24	HERBICIDE
WINE GRAPES	4/8/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	22	LB	22	12S17E11	FUNGICIDE
WINE GRAPES	4/8/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	20	LB	20	12S17E11	FUNGICIDE
GRAPE, RAISIN	4/8/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	100	LB	76.37	12S17E22	FUNGICIDE
WINE GRAPES	4/8/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	18.75	GA	7.5	11S18E20	HERBICIDE
ALMOND	4/8/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	864	OZ	36	12S17E4	HERBICIDE
WINE GRAPES	4/8/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	12.67	GA	76	12S17E5	HERBICIDE
WINE GRAPES	4/8/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	30.44	GA	167.4	12S16E24	HERBICIDE
CHERRY	4/8/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	240	OZ	10	12S17E11	HERBICIDE
PLUM	4/8/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	720	OZ	30	12S17E11	HERBICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	320	PT	160	12S17E3	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	56.2	GA	224.8	11S19E25	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	13.2	GA	52.7	11S19E26	FUNGICIDE
PLUM	4/8/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	960	OZ	30	12S17E11	HERBICIDE
CHERRY	4/8/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	320	OZ	10	12S17E11	HERBICIDE
WINE GRAPES	4/8/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	25.33	GA	76	12S17E5	HERBICIDE
WINE GRAPES	4/8/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	60.87	GA	167.4	12S16E24	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	4/8/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	2.5	GA	6	11S18E9	HERBICIDE
PISTACHIO	4/9/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	3.5	GA	5.6	11S18E2	HERBICIDE
ORANGE	4/9/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	2.3	GA	21	11S20E31	HERBICIDE
GRAPE, RAISIN	4/9/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E17	FUNGICIDE
GRAPE, RAISIN	4/9/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E21	FUNGICIDE
WINE GRAPES	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	116	LB	116	12S17E4	FUNGICIDE
ALMOND	4/9/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	48	PT	40	12S17E20	HERBICIDE
PISTACHIO	4/9/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1.4	GA	5.6	11S18E2	HERBICIDE
PEACH	4/9/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	252	OZ	10.5	11S18E31	HERBICIDE
WINE GRAPES	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	18.9	GA	75.8	11S19E36	FUNGICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	32	PT	40	12S17E20	HERBICIDE
PEACH	4/9/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	336	OZ	10.5	11S18E31	HERBICIDE
FIG	4/9/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	17.5	GA	70	12S19E6	HERBICIDE
WINE GRAPES	4/10/2008	KOCIDE DF	COPPER HYDROXIDE	G	474	LB	237	11S20E30	FUNGICIDE
WINE GRAPES	4/10/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	5250	OZ	150	12S18E22	HERBICIDE
WINE GRAPES	4/10/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	54	GA	54	12S17E4	HERBICIDE
WINE GRAPES	4/10/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	7.5	GA	8	12S17E21	HERBICIDE
WINE GRAPES	4/10/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	12S17E9	FUNGICIDE
GRAPE	4/10/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	960	OZ	20	12S17E27	HERBICIDE
PEACH	4/10/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	96	OZ	4	11S18E31	HERBICIDE
WINE GRAPES	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	94	PT	47	12S17E4	FUNGICIDE
PEACH	4/10/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	128	OZ	4	11S18E31	HERBICIDE
WINE GRAPES	4/11/2008	TOUCHDOWN HITECH	GLYPHOSATE, POTASSIUM SALT	G	2.5	GA	6.67	11S17E36	HERBICIDE
	4/11/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	18	QT	18	12S18E20	HERBICIDE
WINE GRAPES	4/11/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	31	GA	31	12S17E4	HERBICIDE
WINE GRAPES	4/11/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	84	GA	84	12S17E4	HERBICIDE
ALMOND	4/11/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	45.15	GA	86	12S18E19	HERBICIDE
GRAPE, RAISIN	4/11/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	49.5	LB	33	12S17E11	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/11/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10	LB	10	12S18E19	FUNGICIDE
WINE GRAPES	4/11/2008	SIM-TROL 90DF	SIMAZINE	G	10	LB	6.67	11S17E36	HERBICIDE
GRAPE, RAISIN	4/11/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3840	OZ	80	12S18E4	HERBICIDE
	4/11/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6	GA	18	12S18E20	HERBICIDE
ALMOND	4/11/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15.05	GA	86	12S18E19	HERBICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	64	PT	32	12S17E5	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	180	PT	90	12S17E5	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	57.4	GA	229.7	11S19E26	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	62	PT	31	12S17E4	FUNGICIDE
ALMOND	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	3.01	GA	86	12S18E19	HERBICIDE
WINE GRAPES	4/11/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	2.5	GA	6.67	11S17E36	HERBICIDE
GRAPE, RAISIN	4/12/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.5	GA	15	12S18E9	HERBICIDE
WINE GRAPES	4/12/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2800	OZ	80	12S18E22	HERBICIDE
WINE GRAPES	4/12/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	87	GA	87	12S17E5	HERBICIDE
WINE GRAPES	4/12/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	80	GA	80	12S17E4	HERBICIDE
POMEGRANATE	4/12/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	1.88	GA	30	12S17E19	HERBICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25	LB	25	12S17E9	FUNGICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	1.5	LB	1.5	12S17E9	FUNGICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	35	LB	35	12S16E23	FUNGICIDE
WINE GRAPES	4/12/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	90	PT	45	12S17E4	FUNGICIDE
GRAPE, RAISIN	4/13/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	480	OZ	10	11S18E33	HERBICIDE
WINE GRAPES	4/14/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	1400	OZ	40	12S18E21	HERBICIDE
WINE GRAPES	4/14/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	32	GA	32	12S17E5	HERBICIDE
WINE GRAPES	4/14/2008	COURAZE 2F	IMIDACLOPRID	G	160	PT	160	12S17E24	HERBICIDE
WINE GRAPES	4/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LB	16	11S18E33	FUNGICIDE
ORANGE	4/14/2008	KARMEX XP	DIURON	G	300	LB	100	11S20E31	HERBICIDE
GRAPE, RAISIN	4/14/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	40	LB	20	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/14/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	50	LB	25	12S17E27	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	4/14/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	GA	40	12S17E20	HERBICIDE
WINE GRAPES	4/14/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	GA	40	12S17E29	HERBICIDE
GRAPE, RAISIN	4/14/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	18	GA	20	11S18E28	HERBICIDE
GRAPE	4/15/2008	TOUCHDOWN HITECH	GLYPHOSATE, POTASSIUM SALT	G	2.5	GA	20	12S18E6	HERBICIDE
WINE GRAPES	4/15/2008	COURAZE 2F	IMIDACLOPRID	G	183	PT	183	12S17E16	HERBICIDE
GRAPE	4/15/2008	SIM-TROL 90DF	SIMAZINE	G	10	LB	20	12S18E6	HERBICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	20	LB	10	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	60	LB	30	12S17E28	FUNGICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	60	LB	30	12S17E27	FUNGICIDE
GRAPE	4/15/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	2.5	GA	20	12S18E6	HERBICIDE
PISTACHIO	4/16/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	9.25	GA	14.8	11S18E11	HERBICIDE
WINE GRAPES	4/16/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LB	36	12S18E8	FUNGICIDE
WINE GRAPES	4/16/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E19	FUNGICIDE
WINE GRAPES	4/16/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	40	LB	40	12S17E19	FUNGICIDE
GRAPE, RAISIN	4/16/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	80	LB	40	12S17E27	FUNGICIDE
WINE GRAPES	4/16/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2.5	GA	6	12S17E28	HERBICIDE
PISTACHIO	4/16/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	3.7	GA	14.8	11S18E11	HERBICIDE
WINE GRAPES	4/16/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	116	PT	58	12S17E3	FUNGICIDE
WINE GRAPES	4/16/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	120	PT	60	12S17E4	FUNGICIDE
ALMOND	4/17/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	149.71	QT	179	11S18E24	HERBICIDE
ALMOND	4/17/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	325.45	PT	179	11S18E24	HERBICIDE
PISTACHIO	4/17/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	25	GA	40	11S18E14	HERBICIDE
GRAPE, RAISIN	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25.8	LB	17.2	11S17E35	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	19.5	LB	13	12S18E4	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25.8	LB	17.2	11S17E35	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S18E19	FUNGICIDE
WINE GRAPES	4/17/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16	QT	8	11S17E35	HERBICIDE

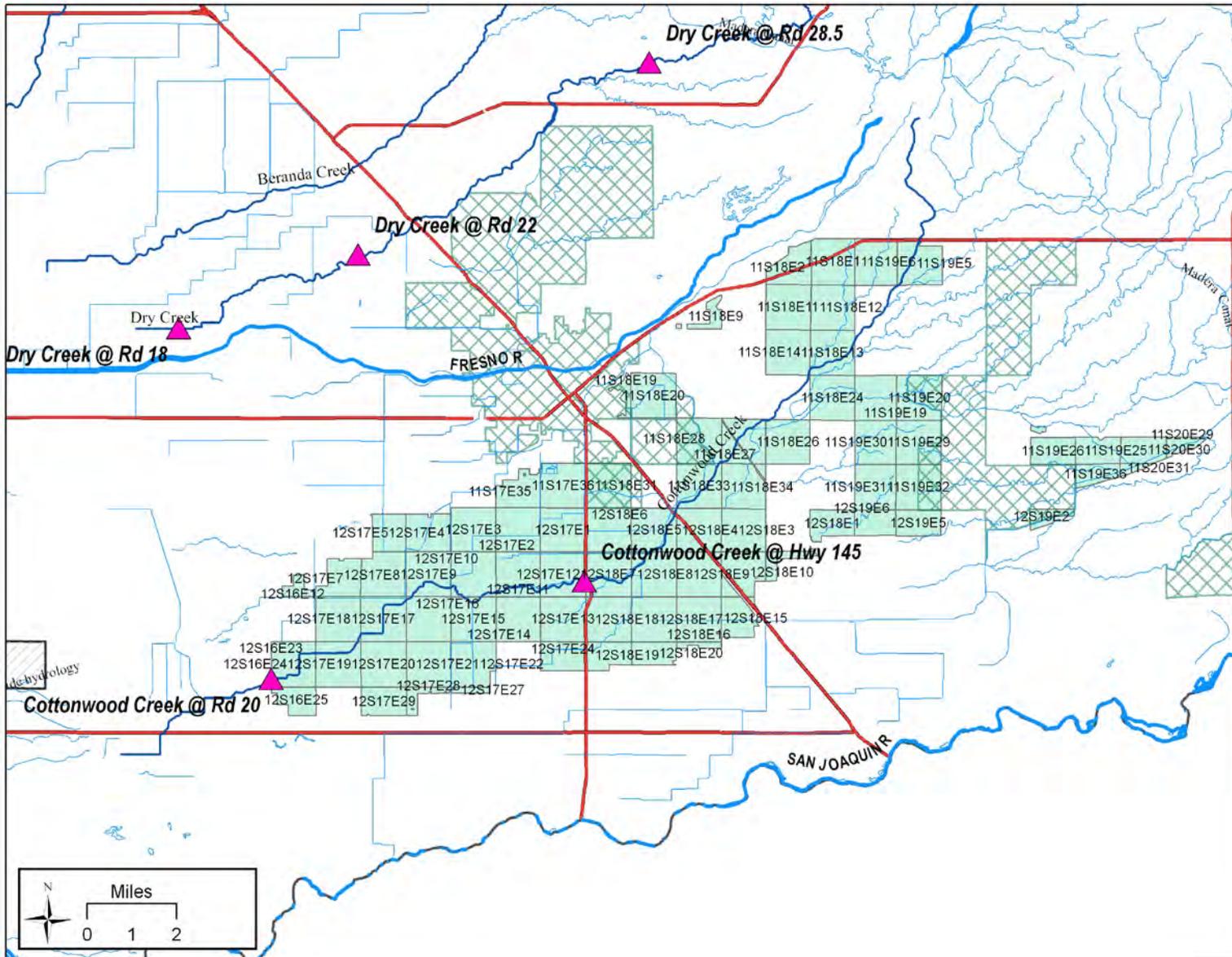
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	4/17/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16	PT	4	11S18E28	HERBICIDE
PISTACHIO	4/17/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	10	GA	40	11S18E14	HERBICIDE
ALMOND	4/17/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	3.75	GA	10	12S18E5	HERBICIDE
WINE GRAPES	4/17/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	60	LB	20	12S18E19	HERBICIDE
ALMOND	4/17/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	781.09	OZ	179	11S18E24	HERBICIDE
WINE GRAPES	4/17/2008	EDICT 2 SC IVM HERBICIDE	PYRAFLUFEN-ETHYL	G	32	OZ	8	11S17E35	HERBICIDE
WINE GRAPES	4/18/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	0.5	GA	20	11S17E35	HERBICIDE
ALMOND	4/18/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	87.62	QT	100	11S18E26	HERBICIDE
WINE GRAPES	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	0.69	GA	10	12S17E15	HERBICIDE
GRAPE, RAISIN	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	0.41	GA	6	12S17E15	HERBICIDE
GRAPE, RAISIN	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	1.3	GA	20	12S17E15	HERBICIDE
WINE GRAPES	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	160	GA	160	12S17E3	HERBICIDE
ALMOND	4/18/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	190.48	PT	100	11S18E26	HERBICIDE
WINE GRAPES	4/18/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	42	LB	28	12S17E8	FUNGICIDE
WINE GRAPES	4/18/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	83	LB	55	11S17E36	FUNGICIDE
GRAPE, RAISIN	4/18/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E15	FUNGICIDE
GRAPE, RAISIN	4/18/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1.87	GA	5	12S18E9	HERBICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	242	PT	141	12S17E3	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	194	PT	97	12S17E5	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	68	PT	34	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	144	PT	72	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	36	PT	18	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	120	PT	60	12S17E4	FUNGICIDE
ALMOND	4/18/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	457.14	OZ	100	11S18E26	HERBICIDE
POMEGRANATE	4/19/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	128	OZ	18	11S19E31	HERBICIDE
GRAPE, RAISIN	4/19/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S17E10	FUNGICIDE
GRAPE, RAISIN	4/19/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S17E10	FUNGICIDE
WINE GRAPES	4/19/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	64	PT	32	12S17E5	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	4/20/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	3.37	GA	13.5	12S18E16	HERBICIDE
GRAPE, RAISIN	4/20/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	5.06	GA	13.5	12S18E16	HERBICIDE
ALMOND	4/21/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	10.62	GA	17	12S18E5	HERBICIDE
GRAPE	4/21/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E18	FUNGICIDE
PRUNE	4/21/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	47	QT	47	12S16E12	HERBICIDE
ALMOND	4/21/2008	GOAL 2XL	OXYFLUORFEN	G	2.12	GA	17	12S18E5	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	7392	OZ	96	12S17E12	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	9471	OZ	123	12S17E13	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	8778	OZ	114	12S17E12	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	6622	OZ	86	12S17E13	HERBICIDE
GRAPE, RAISIN	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	6.3	GA	19	12S18E16	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	2541	OZ	33	12S18E18	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	7238	OZ	94	12S17E11	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5852	OZ	76	12S17E13	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5929	OZ	77	12S17E13	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	4389	OZ	57	12S18E18	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	7007	OZ	91	12S18E18	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	6160	OZ	80	12S18E18	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5390	OZ	70	12S17E14	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5929	OZ	77	12S17E14	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	8162	OZ	106	12S18E7	HERBICIDE
WINE GRAPES	4/22/2008	DU PONT KARMEX DF HERBICIDE	DIURON	G	70	LB	140	12S19E5	HERBICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	80	12S17E18	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	189.12	LB	197	12S17E20	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6.02	LB	7	12S17E20	FUNGICIDE
GRAPE, RAISIN	4/22/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	PT	2	11S18E33	HERBICIDE
GRAPE, RAISIN	4/22/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.1	GA	19	12S18E16	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/22/2008	FARMSAVER.COM GLYPHOSATE 4	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3500	OZ	140	12S19E5	HERBICIDE
ALFALFA	4/22/2008	ALECTO 41S	glyphosate	G	2.25	GA	3	11S18E27	HERBICIDE
GRAPE, RAISIN	4/23/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	6.83	GA	13	12S18E3	HERBICIDE
GRAPE, RAISIN	4/23/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	1520	OZ	19	12S18E21	HERBICIDE
GRAPE, RAISIN	4/23/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.28	GA	13	12S18E3	HERBICIDE
GRAPE, RAISIN	4/23/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	608	OZ	19	12S18E21	HERBICIDE
GRAPE, RAISIN	4/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LB	36	11S17E35	FUNGICIDE
ALMOND	4/24/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	104	PT	40	12S17E8	HERBICIDE
ALMOND	4/24/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	27	GA	108	12S18E10	HERBICIDE
ALMOND	4/24/2008	GOAL 2XL	OXYFLUORFEN	G	13.5	GA	108	12S18E10	HERBICIDE
GRAPE, RAISIN	4/25/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	60	QT	60	11S17E35	HERBICIDE
ALMOND	4/25/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	39	PT	15	12S17E8	HERBICIDE
GRAPE, RAISIN	4/25/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	QT	19	11S18E19	HERBICIDE
WINE GRAPES	4/25/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	PT	2	11S18E33	HERBICIDE
ALMOND	4/25/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	57	GA	228	12S18E15	HERBICIDE
SOIL FUM/PREPLT	4/25/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	10086.41	GA	299.3	12S16E23	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	28.5	GA	228	12S18E15	HERBICIDE
GRAPE, RAISIN	4/25/2008	ALECTO 41S	glyphosate	G	1023	OZ	46.5	12S18E10	HERBICIDE
ALMOND	4/26/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	138.18	PT	76	11S19E32	HERBICIDE
WINE GRAPES	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	55.5	LB	37	12S17E8	FUNGICIDE
GRAPE, RAISIN	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	10	12S17E9	FUNGICIDE
WINE GRAPES	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	117	LB	78	12S17E9	FUNGICIDE
ALMOND	4/26/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	48	11S18E9	HERBICIDE
GRAPE	4/26/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	QT	2	11S18E20	HERBICIDE
GRAPE, RAISIN	4/26/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	8	PT	2	11S18E33	HERBICIDE
ALMOND	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	110.55	OZ	76	11S19E32	HERBICIDE
ALMOND	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	1.25	GA	48	11S18E9	HERBICIDE
ALMOND	4/27/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	280	PT	154	11S19E30	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/27/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	960	OZ	5	12S18E1	HERBICIDE
POMEGRANATE	4/27/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2	QT	10	12S17E27	HERBICIDE
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	224	OZ	154	11S19E30	HERBICIDE
ALMOND	4/28/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	21.87	GA	36.36	12S17E22	HERBICIDE
ALMOND	4/28/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	218.18	PT	120	11S18E24	HERBICIDE
ALMOND	4/28/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	104	PT	40	12S17E5	HERBICIDE
ALMOND	4/28/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	18.18	GA	36.36	12S17E22	HERBICIDE
ALMOND	4/28/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	523.64	OZ	120	11S18E24	HERBICIDE
GRAPE, RAISIN	4/29/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	15.33	GA	39	12S17E4	HERBICIDE
TANGERINE,SEEDL	4/29/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	16.84	GA	154	12S18E11	HERBICIDE
GRAPE, RAISIN	4/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.77	GA	39	12S17E4	HERBICIDE
ALMOND	4/29/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	28.8	PT	12	12S17E12	HERBICIDE

Figure 9. Location of pesticide use for Cottonwood Creek @ Rd 20 – Irrigation 1



**Irrigation 1 RS (5/7/08) - *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TANGELO	2/14/2008	NORDOX	COPPER OXIDE (OUS)	G	160	LB	40	11S20E31	FUNGICIDE
ORANGE	2/14/2008	NORDOX	COPPER OXIDE (OUS)	G	80	LB	20	11S20E31	FUNGICIDE
TANGELO	2/15/2008	NORDOX	COPPER OXIDE (OUS)	G	120	LB	30	11S20E31	FUNGICIDE
TANGELO	2/15/2008	NORDOX	COPPER OXIDE (OUS)	G	56	LB	14	11S19E36	FUNGICIDE
ORANGE	2/16/2008	COP-O-ZINC	COPPER	G	276	LB	23	12S19E2	FUNGICIDE
ALMOND	3/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	18	12S18E8	FUNGICIDE
GRAPE, RAISIN	3/15/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	40	LB	40	12S18E7	FUNGICIDE
GRAPE	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	82.86	LB	82.86	12S18E18	FUNGICIDE
GRAPE, RAISIN	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	39.2	LB	39.2	12S18E9	FUNGICIDE
GRAPE, RAISIN	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	39.2	LB	39.2	12S18E16	FUNGICIDE
GRAPE, RAISIN	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	67.82	LB	67.82	12S18E16	FUNGICIDE
GRAPE, RAISIN	3/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	35	LB	15	11S17E35	FUNGICIDE
GRAPE, RAISIN	3/25/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	115	LB	115	12S17E9	FUNGICIDE
WINE GRAPES	3/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	22.5	LB	15	12S18E3	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	18	12S18E10	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	38.18	12S17E22	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	116	LB	116	12S17E4	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E4	FUNGICIDE
WINE GRAPES	3/27/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	150	LB	150	12S18E12	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S18E34	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	19	LB	19	11S17E36	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	160	LB	160	12S16E12	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	8	LB	8	12S17E18	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16	LB	15.73	12S17E18	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6	LB	7	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	48	LB	47.5	12S17E20	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	190	LB	195.23	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	19.58	12S17E18	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	3	LB	3	11S17E36	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33	LB	33.63	12S17E20	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
WINE GRAPES	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	35	LB	18	11S17E35	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	89	LB	89.43	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	68	LB	66.42	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	43	LB	43	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	100	LB	101.32	12S17E17	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	141	LB	141.05	12S17E17	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	36	LB	35.34	12S17E18	FUNGICIDE
GRAPE	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	79.49	12S17E18	FUNGICIDE
WINE GRAPES	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	38	LB	38	12S17E18	FUNGICIDE
GRAPE	3/28/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	163	QT	163	12S18E4	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S17E10	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S17E10	FUNGICIDE
GRAPE, RAISIN	3/29/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	11S17E35	FUNGICIDE
WINE GRAPES	3/29/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	12S17E7	FUNGICIDE
WINE GRAPES	3/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	34	PT	17	12S17E5	FUNGICIDE
WINE GRAPES	3/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	26	PT	13	12S17E4	FUNGICIDE
GRAPE, RAISIN	3/31/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	12S18E21	FUNGICIDE
GRAPE, RAISIN	3/31/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	18	LB	18	12S18E20	FUNGICIDE
WINE GRAPES	3/31/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E7	FUNGICIDE
WINE GRAPES	3/31/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E9	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S18E9	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	40	LB	40	12S17E16	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	60	12S17E1	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	50	LB	50	12S17E16	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	80	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	8	LB	8	12S17E18	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	32.97	LB	34.7	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6.02	LB	7	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	189.12	LB	197	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	15	11S19E31	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45.12	LB	48	12S17E20	FUNGICIDE
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/1/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	46.25	LB	37	12S17E28	FUNGICIDE
WINE GRAPES	4/1/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	40	PT	20	12S17E5	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE DF	COPPER HYDROXIDE	G	322	LB	161	11S20E29	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	225	LB	150	12S18E22	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	120	LB	80	12S18E22	FUNGICIDE
WINE GRAPES	4/2/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
	4/2/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	87	LB	58	12S18E20	FUNGICIDE
WINE GRAPES	4/3/2008	KOCIDE DF	COPPER HYDROXIDE	G	350	LB	175	11S20E30	FUNGICIDE
WINE GRAPES	4/3/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	116	PT	58	12S17E3	FUNGICIDE
GRAPE, RAISIN	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	60	12S17E14	FUNGICIDE
WINE GRAPES	4/4/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE
WINE GRAPES	4/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	72	LB	72	12S17E19	FUNGICIDE
WINE GRAPES	4/6/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10	LB	10	12S17E1	FUNGICIDE
GRAPE	4/6/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E1	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	74	LB	37	12S17E28	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S18E33	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	18.7	LB	17	12S17E9	FUNGICIDE
GRAPE, RAISIN	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LB	120	12S18E19	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	11S17E35	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	210	LB	210	12S17E19	FUNGICIDE
WINE GRAPES	4/7/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	40	12S17E4	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	12S17E9	FUNGICIDE
GRAPE, RAISIN	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E15	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E15	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	38	LB	38	12S17E19	FUNGICIDE
WINE GRAPES	4/8/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	22	LB	22	12S17E11	FUNGICIDE
WINE GRAPES	4/8/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	20	LB	20	12S17E11	FUNGICIDE
GRAPE, RAISIN	4/8/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	100	LB	76.37	12S17E22	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	320	PT	160	12S17E3	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	56.2	GA	224.8	11S19E25	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	13.2	GA	52.7	11S19E26	FUNGICIDE
PISTACHIO	4/9/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	3.5	GA	5.6	11S18E2	HERBICIDE
ORANGE	4/9/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	2.3	GA	21	11S20E31	HERBICIDE
GRAPE, RAISIN	4/9/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E17	FUNGICIDE
GRAPE, RAISIN	4/9/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E21	FUNGICIDE
WINE GRAPES	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	116	LB	116	12S17E4	FUNGICIDE
ALMOND	4/9/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	48	PT	40	12S17E20	HERBICIDE
PISTACHIO	4/9/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1.4	GA	5.6	11S18E2	HERBICIDE
PEACH	4/9/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	252	OZ	10.5	11S18E31	HERBICIDE
WINE GRAPES	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	18.9	GA	75.8	11S19E36	FUNGICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	32	PT	40	12S17E20	HERBICIDE
PEACH	4/9/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	336	OZ	10.5	11S18E31	HERBICIDE
FIG	4/9/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	17.5	GA	70	12S19E6	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/10/2008	KOCIDE DF	COPPER HYDROXIDE	G	474	LB	237	11S20E30	FUNGICIDE
WINE GRAPES	4/10/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	5250	OZ	150	12S18E22	HERBICIDE
WINE GRAPES	4/10/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	54	GA	54	12S17E4	HERBICIDE
WINE GRAPES	4/10/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	7.5	GA	8	12S17E21	HERBICIDE
WINE GRAPES	4/10/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	12S17E9	FUNGICIDE
GRAPE	4/10/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	960	OZ	20	12S17E27	HERBICIDE
PEACH	4/10/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	96	OZ	4	11S18E31	HERBICIDE
WINE GRAPES	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	94	PT	47	12S17E4	FUNGICIDE
PEACH	4/10/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	128	OZ	4	11S18E31	HERBICIDE
WINE GRAPES	4/11/2008	TOUCHDOWN HITECH	GLYPHOSATE, POTASSIUM SALT	G	2.5	GA	6.67	11S17E36	HERBICIDE
	4/11/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	18	QT	18	12S18E20	HERBICIDE
WINE GRAPES	4/11/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	31	GA	31	12S17E4	HERBICIDE
WINE GRAPES	4/11/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	84	GA	84	12S17E4	HERBICIDE
ALMOND	4/11/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	45.15	GA	86	12S18E19	HERBICIDE
GRAPE, RAISIN	4/11/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	49.5	LB	33	12S17E11	FUNGICIDE
WINE GRAPES	4/11/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10	LB	10	12S18E19	FUNGICIDE
WINE GRAPES	4/11/2008	SIM-TROL 90DF	SIMAZINE	G	10	LB	6.67	11S17E36	HERBICIDE
GRAPE, RAISIN	4/11/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3840	OZ	80	12S18E4	HERBICIDE
	4/11/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6	GA	18	12S18E20	HERBICIDE
ALMOND	4/11/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15.05	GA	86	12S18E19	HERBICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	64	PT	32	12S17E5	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	180	PT	90	12S17E5	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	57.4	GA	229.7	11S19E26	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	62	PT	31	12S17E4	FUNGICIDE
ALMOND	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	3.01	GA	86	12S18E19	HERBICIDE
WINE GRAPES	4/11/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	2.5	GA	6.67	11S17E36	HERBICIDE
GRAPE, RAISIN	4/12/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.5	GA	15	12S18E9	HERBICIDE
WINE GRAPES	4/12/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2800	OZ	80	12S18E22	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/12/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	87	GA	87	12S17E5	HERBICIDE
WINE GRAPES	4/12/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	80	GA	80	12S17E4	HERBICIDE
POMEGRANATE	4/12/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	1.88	GA	30	12S17E19	HERBICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25	LB	25	12S17E9	FUNGICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	1.5	LB	1.5	12S17E9	FUNGICIDE
WINE GRAPES	4/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	35	LB	35	12S16E23	FUNGICIDE
WINE GRAPES	4/12/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	90	PT	45	12S17E4	FUNGICIDE
GRAPE, RAISIN	4/13/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	480	OZ	10	11S18E33	HERBICIDE
WINE GRAPES	4/14/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	1400	OZ	40	12S18E21	HERBICIDE
WINE GRAPES	4/14/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	32	GA	32	12S17E5	HERBICIDE
WINE GRAPES	4/14/2008	COURAZE 2F	IMIDACLOPRID	G	160	PT	160	12S17E24	HERBICIDE
WINE GRAPES	4/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LB	16	11S18E33	FUNGICIDE
ORANGE	4/14/2008	KARMEX XP	DIURON	G	300	LB	100	11S20E31	HERBICIDE
GRAPE, RAISIN	4/14/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	40	LB	20	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/14/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	50	LB	25	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/14/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	GA	40	12S17E20	HERBICIDE
WINE GRAPES	4/14/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	GA	40	12S17E29	HERBICIDE
GRAPE, RAISIN	4/14/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	18	GA	20	11S18E28	HERBICIDE
GRAPE	4/15/2008	TOUCHDOWN HITECH	GLYPHOSATE, POTASSIUM SALT	G	2.5	GA	20	12S18E6	HERBICIDE
WINE GRAPES	4/15/2008	COURAZE 2F	IMIDACLOPRID	G	183	PT	183	12S17E16	HERBICIDE
GRAPE	4/15/2008	SIM-TROL 90DF	SIMAZINE	G	10	LB	20	12S18E6	HERBICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	20	LB	10	12S17E27	FUNGICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	60	LB	30	12S17E28	FUNGICIDE
GRAPE, RAISIN	4/15/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	60	LB	30	12S17E27	FUNGICIDE
GRAPE	4/15/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	2.5	GA	20	12S18E6	HERBICIDE
PISTACHIO	4/16/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	9.25	GA	14.8	11S18E11	HERBICIDE
WINE GRAPES	4/16/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LB	36	12S18E8	FUNGICIDE
WINE GRAPES	4/16/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	30	12S17E19	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/16/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	40	LB	40	12S17E19	FUNGICIDE
GRAPE, RAISIN	4/16/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	80	LB	40	12S17E27	FUNGICIDE
WINE GRAPES	4/16/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2.5	GA	6	12S17E28	HERBICIDE
PISTACHIO	4/16/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	3.7	GA	14.8	11S18E11	HERBICIDE
WINE GRAPES	4/16/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	116	PT	58	12S17E3	FUNGICIDE
WINE GRAPES	4/16/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	120	PT	60	12S17E4	FUNGICIDE
ALMOND	4/17/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	149.71	QT	179	11S18E24	HERBICIDE
ALMOND	4/17/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	325.45	PT	179	11S18E24	HERBICIDE
PISTACHIO	4/17/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	25	GA	40	11S18E14	HERBICIDE
GRAPE, RAISIN	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25.8	LB	17.2	11S17E35	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	19.5	LB	13	12S18E4	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	25.8	LB	17.2	11S17E35	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S18E19	FUNGICIDE
WINE GRAPES	4/17/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16	QT	8	11S17E35	HERBICIDE
GRAPE, RAISIN	4/17/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16	PT	4	11S18E28	HERBICIDE
PISTACHIO	4/17/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	10	GA	40	11S18E14	HERBICIDE
ALMOND	4/17/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	3.75	GA	10	12S18E5	HERBICIDE
WINE GRAPES	4/17/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	60	LB	20	12S18E19	HERBICIDE
ALMOND	4/17/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	781.09	OZ	179	11S18E24	HERBICIDE
WINE GRAPES	4/17/2008	EDICT 2 SC IVM HERBICIDE	PYRAFLUFEN-ETHYL	G	32	OZ	8	11S17E35	HERBICIDE
WINE GRAPES	4/18/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	0.5	GA	20	11S17E35	HERBICIDE
ALMOND	4/18/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	87.62	QT	100	11S18E26	HERBICIDE
WINE GRAPES	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	0.69	GA	10	12S17E15	HERBICIDE
GRAPE, RAISIN	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	0.41	GA	6	12S17E15	HERBICIDE
GRAPE, RAISIN	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	1.3	GA	20	12S17E15	HERBICIDE
WINE GRAPES	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	160	GA	160	12S17E3	HERBICIDE
ALMOND	4/18/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	190.48	PT	100	11S18E26	HERBICIDE

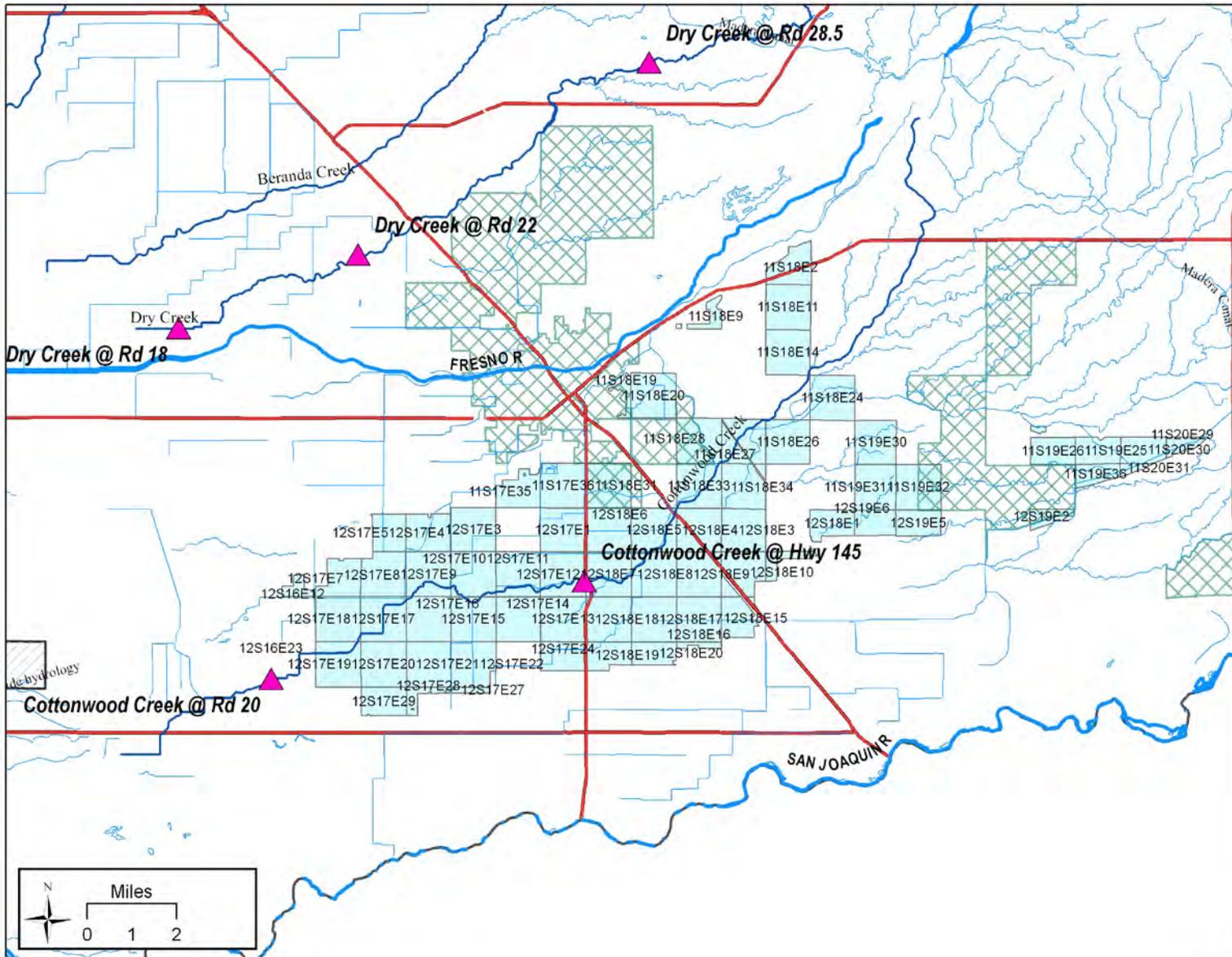
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/18/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	42	LB	28	12S17E8	FUNGICIDE
WINE GRAPES	4/18/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	83	LB	55	11S17E36	FUNGICIDE
GRAPE, RAISIN	4/18/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E15	FUNGICIDE
GRAPE, RAISIN	4/18/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1.87	GA	5	12S18E9	HERBICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	242	PT	141	12S17E3	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	194	PT	97	12S17E5	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	68	PT	34	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	144	PT	72	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	36	PT	18	12S17E4	FUNGICIDE
WINE GRAPES	4/18/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	120	PT	60	12S17E4	FUNGICIDE
ALMOND	4/18/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	457.14	OZ	100	11S18E26	HERBICIDE
POMEGRANATE	4/19/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	128	OZ	18	11S19E31	HERBICIDE
GRAPE, RAISIN	4/19/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S17E10	FUNGICIDE
GRAPE, RAISIN	4/19/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S17E10	FUNGICIDE
WINE GRAPES	4/19/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	64	PT	32	12S17E5	FUNGICIDE
GRAPE, RAISIN	4/20/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	3.37	GA	13.5	12S18E16	HERBICIDE
GRAPE, RAISIN	4/20/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	5.06	GA	13.5	12S18E16	HERBICIDE
ALMOND	4/21/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	10.62	GA	17	12S18E5	HERBICIDE
GRAPE	4/21/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LB	20	12S17E18	FUNGICIDE
PRUNE	4/21/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	47	QT	47	12S16E12	HERBICIDE
ALMOND	4/21/2008	GOAL 2XL	OXYFLUORFEN	G	2.12	GA	17	12S18E5	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	7392	OZ	96	12S17E12	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	9471	OZ	123	12S17E13	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	8778	OZ	114	12S17E12	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	6622	OZ	86	12S17E13	HERBICIDE
GRAPE, RAISIN	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	6.3	GA	19	12S18E16	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	2541	OZ	33	12S18E18	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	7238	OZ	94	12S17E11	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5852	OZ	76	12S17E13	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5929	OZ	77	12S17E13	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	4389	OZ	57	12S18E18	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	7007	OZ	91	12S18E18	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	6160	OZ	80	12S18E18	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5390	OZ	70	12S17E14	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	5929	OZ	77	12S17E14	HERBICIDE
ALMOND	4/22/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	8162	OZ	106	12S18E7	HERBICIDE
WINE GRAPES	4/22/2008	DU PONT KARMEX DF HERBICIDE	DIURON	G	70	LB	140	12S19E5	HERBICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	80	12S17E18	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	189.12	LB	197	12S17E20	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LB	9	12S17E20	FUNGICIDE
GRAPE	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	6.02	LB	7	12S17E20	FUNGICIDE
GRAPE, RAISIN	4/22/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	PT	2	11S18E33	HERBICIDE
GRAPE, RAISIN	4/22/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.1	GA	19	12S18E16	HERBICIDE
WINE GRAPES	4/22/2008	FARMSAVER.COM GLYPHOSATE 4	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3500	OZ	140	12S19E5	HERBICIDE
ALFALFA	4/22/2008	ALECTO 41S	glyphosate	G	2.25	GA	3	11S18E27	HERBICIDE
GRAPE, RAISIN	4/23/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	6.83	GA	13	12S18E3	HERBICIDE
GRAPE, RAISIN	4/23/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	1520	OZ	19	12S18E21	HERBICIDE
GRAPE, RAISIN	4/23/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.28	GA	13	12S18E3	HERBICIDE
GRAPE, RAISIN	4/23/2008	WEEDAXE HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	608	OZ	19	12S18E21	HERBICIDE
GRAPE, RAISIN	4/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LB	36	11S17E35	FUNGICIDE
ALMOND	4/24/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	104	PT	40	12S17E8	HERBICIDE
ALMOND	4/24/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	27	GA	108	12S18E10	HERBICIDE
ALMOND	4/24/2008	GOAL 2XL	OXYFLUORFEN	G	13.5	GA	108	12S18E10	HERBICIDE
GRAPE, RAISIN	4/25/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	60	QT	60	11S17E35	HERBICIDE
ALMOND	4/25/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	39	PT	15	12S17E8	HERBICIDE
GRAPE, RAISIN	4/25/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	QT	19	11S18E19	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/25/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	PT	2	11S18E33	HERBICIDE
ALMOND	4/25/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	57	GA	228	12S18E15	HERBICIDE
SOIL FUM/PREPLT	4/25/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	10086.41	GA	299.3	12S16E23	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	28.5	GA	228	12S18E15	HERBICIDE
GRAPE, RAISIN	4/25/2008	ALECTO 41S	glyphosate	G	1023	OZ	46.5	12S18E10	HERBICIDE
ALMOND	4/26/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	138.18	PT	76	11S19E32	HERBICIDE
WINE GRAPES	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	55.5	LB	37	12S17E8	FUNGICIDE
GRAPE, RAISIN	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	10	12S17E9	FUNGICIDE
WINE GRAPES	4/26/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	117	LB	78	12S17E9	FUNGICIDE
ALMOND	4/26/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	48	11S18E9	HERBICIDE
GRAPE	4/26/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	QT	2	11S18E20	HERBICIDE
GRAPE, RAISIN	4/26/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	8	PT	2	11S18E33	HERBICIDE
ALMOND	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	110.55	OZ	76	11S19E32	HERBICIDE
ALMOND	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	1.25	GA	48	11S18E9	HERBICIDE
ALMOND	4/27/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	280	PT	154	11S19E30	HERBICIDE
WINE GRAPES	4/27/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	960	OZ	5	12S18E1	HERBICIDE
POMEGRANATE	4/27/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2	QT	10	12S17E27	HERBICIDE
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	224	OZ	154	11S19E30	HERBICIDE
ALMOND	4/28/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	21.87	GA	36.36	12S17E22	HERBICIDE
ALMOND	4/28/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	218.18	PT	120	11S18E24	HERBICIDE
ALMOND	4/28/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	104	PT	40	12S17E5	HERBICIDE
ALMOND	4/28/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	18.18	GA	36.36	12S17E22	HERBICIDE
ALMOND	4/28/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	523.64	OZ	120	11S18E24	HERBICIDE
GRAPE, RAISIN	4/29/2008	RELY 200	GLUFOSINATE-AMMONIUM	G	15.33	GA	39	12S17E4	HERBICIDE
TANGERINE,SEEDL	4/29/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	16.84	GA	154	12S18E11	HERBICIDE
GRAPE, RAISIN	4/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.77	GA	39	12S17E4	HERBICIDE
ALMOND	4/29/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	28.8	PT	12	12S17E12	HERBICIDE
POMEGRANATE	4/30/2008	NUPRID 1.6F	IMIDACLOPRID	G	48	OZ	15	12S17E13	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ORANGE	4/30/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	4.38	GA	40	11S20E31	HERBICIDE
GRAPE, RAISIN	4/30/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	24	PT	6	11S18E33	HERBICIDE

Figure 10. Location of pesticide use for Cottonwood Creek @ Rd 20 – Irrigation 1 RS



## Cottonwood Creek @ Hwy 145

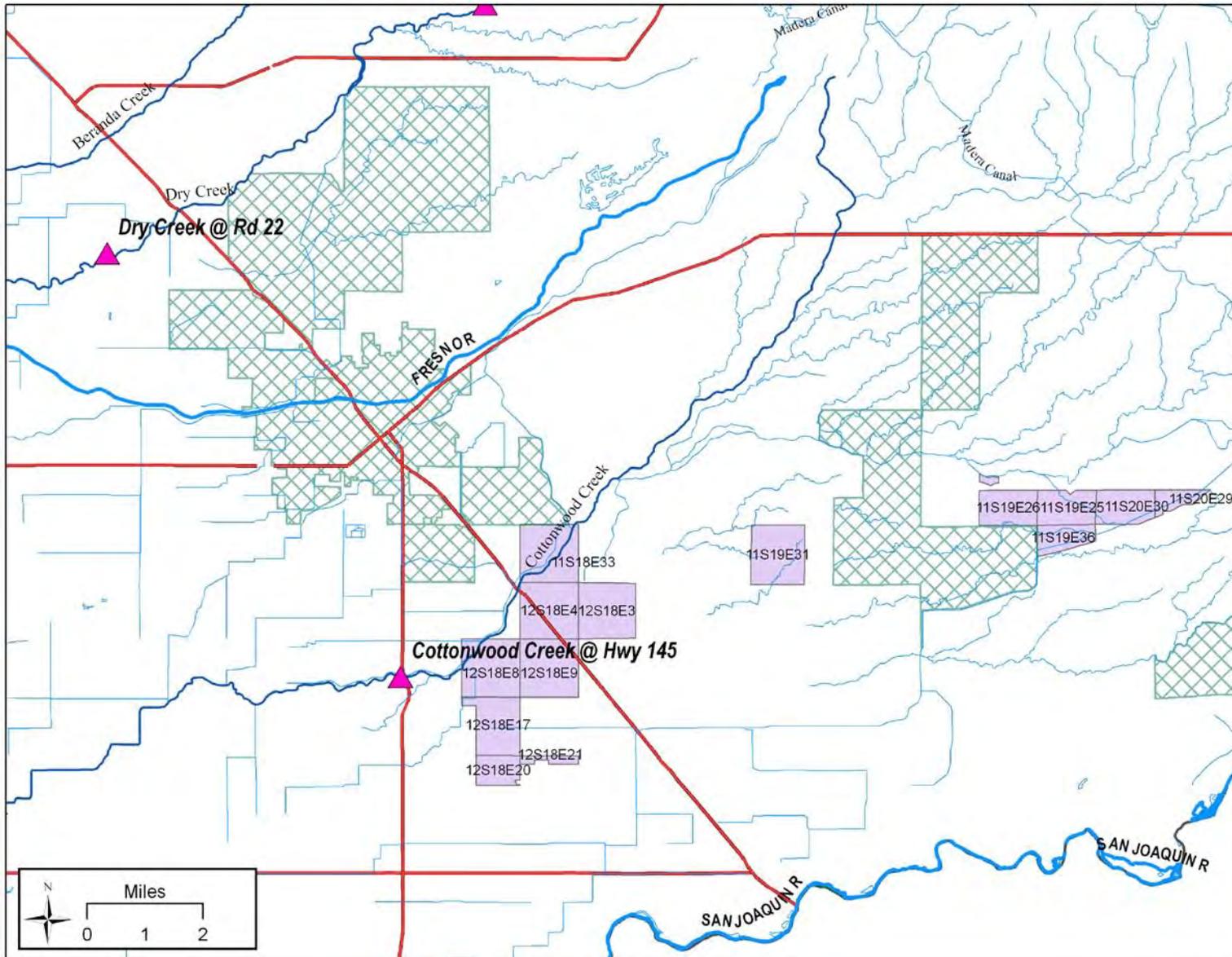
### Pesticide Use Reports for metal exceedances in the water column

#### Irrigation 3 MPM (6/24/08) - copper exceedance.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, RAISIN	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LB	5	12S18E9	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E9	FUNGICIDE
GRAPE	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	15	11S19E31	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE DF	COPPER HYDROXIDE	G	322	LB	161	11S20E29	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	225	LB	150	12S18E22	FUNGICIDE
WINE GRAPES	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	120	LB	80	12S18E22	FUNGICIDE
	4/2/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	87	LB	58	12S18E20	FUNGICIDE
WINE GRAPES	4/2/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
WINE GRAPES	4/3/2008	KOCIDE DF	COPPER HYDROXIDE	G	350	LB	175	11S20E30	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S18E33	FUNGICIDE
WINE GRAPES	4/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	13.2	GA	52.7	11S19E26	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	56.2	GA	224.8	11S19E25	FUNGICIDE
GRAPE, RAISIN	4/9/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E17	FUNGICIDE
GRAPE, RAISIN	4/9/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	12S18E21	FUNGICIDE
WINE GRAPES	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	18.9	GA	75.8	11S19E36	FUNGICIDE
WINE GRAPES	4/10/2008	KOCIDE DF	COPPER HYDROXIDE	G	474	LB	237	11S20E30	FUNGICIDE
WINE GRAPES	4/11/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	57.4	GA	229.7	11S19E26	FUNGICIDE
WINE GRAPES	4/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LB	16	11S18E33	FUNGICIDE
WINE GRAPES	4/16/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LB	36	12S18E8	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	16.5	LB	11	12S18E4	FUNGICIDE
WINE GRAPES	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	19.5	LB	13	12S18E4	FUNGICIDE
GRAPE RAISIN	6/3/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE RAISIN	6/3/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	FUNGICIDE
GRAPE RAISIN	6/3/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	HERBICIDE
GRAPE RAISIN	6/4/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	HERBICIDE
GRAPE RAISIN	6/4/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	FUNGICIDE
GRAPE RAISIN	6/4/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	INSECTICIDE
GRAPE RAISIN	6/5/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	HERBICIDE
GRAPE RAISIN	6/5/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	INSECTICIDE
GRAPE RAISIN	6/5/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	FUNGICIDE
GRAPE RAISIN	6/6/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	FUNGICIDE
GRAPE RAISIN	6/6/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	HERBICIDE
GRAPE RAISIN	6/6/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	6	LBS	3	12S18E3	INSECTICIDE
GRAPE RAISIN	6/7/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	20	LBS	10	12S18E3	FUNGICIDE
GRAPE RAISIN	6/7/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	20	LBS	10	12S18E3	INSECTICIDE
GRAPE RAISIN	6/7/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	20	LBS	10	12S18E3	HERBICIDE
GRAPE RAISIN	6/8/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	INSECTICIDE
GRAPE RAISIN	6/8/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	HERBICIDE
GRAPE RAISIN	6/8/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	28	LBS	14	12S18E3	FUNGICIDE
GRAPE RAISIN	6/9/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	INSECTICIDE
GRAPE RAISIN	6/9/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	HERBICIDE
GRAPE RAISIN	6/9/2008	COPPER SULFATE CRYSTALS	COPPER SULFATE (PENTAHYDRATE)	G	24	LBS	12	12S18E3	FUNGICIDE

Figure 11. Location of pesticide use for Cottonwood Creek @ Hwy 145 – Irrigation 3 MPM



## Deadman Creek @ Hwy 59

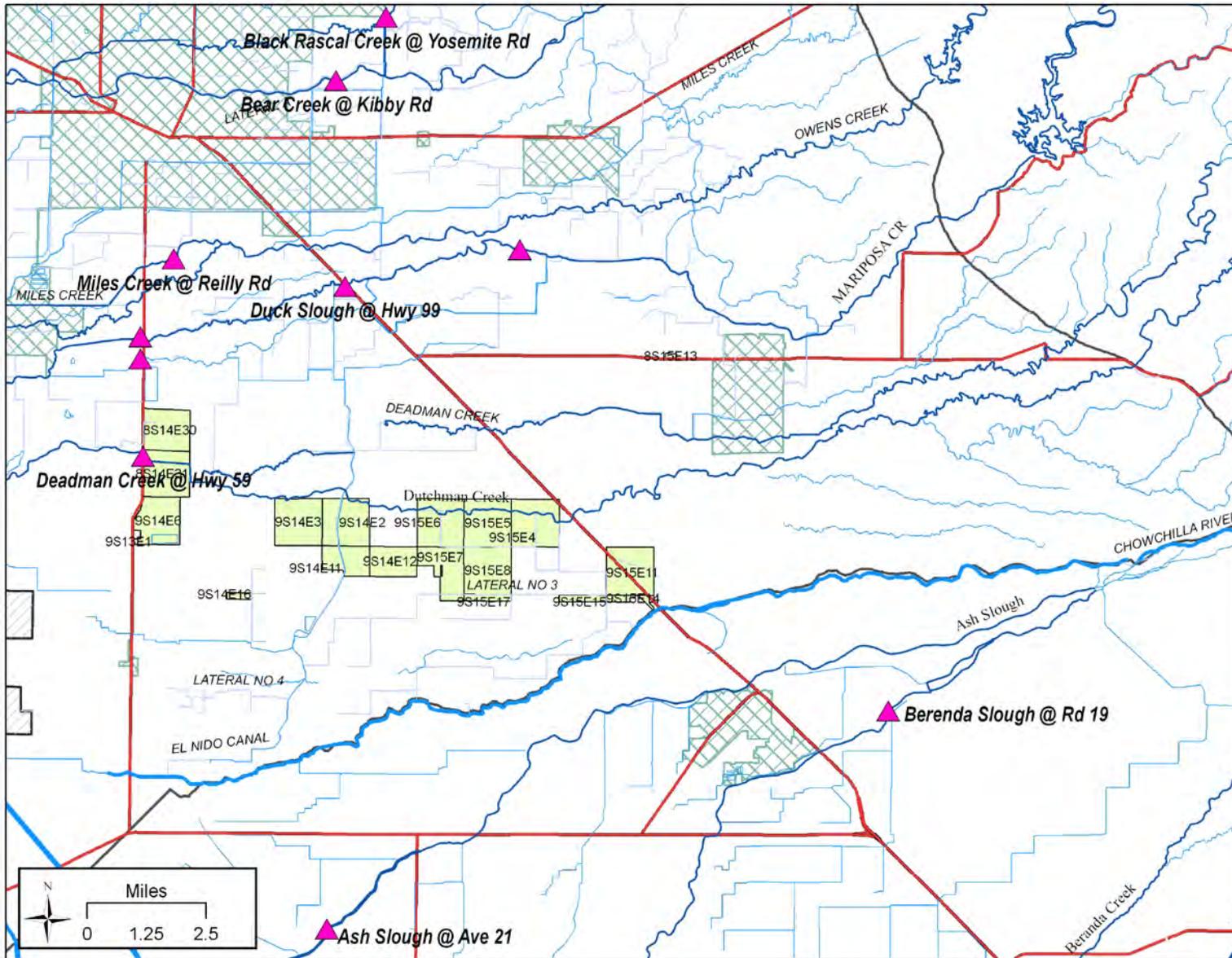
### Pesticide Use Reports for pesticide exceedances in the water column

#### Irrigation 5 MPM (8/5/08) - chlorpyrifos exceedance.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	7/9/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	14.25	GA	76	9S14E6	INSECTICIDE
ALFALFA	7/19/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	21.25	GA	85	9S13E1	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.45	GA	81	9S15E17	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.34	GA	83	8S14E30	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	5.96	GA	115	9S14E11	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	7.69	GA	147	9S14E3	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.57	GA	156	9S15E8	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.69	GA	49	9S15E7	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.19	GA	80	8S14E30	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.04	GA	78	9S14E12	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	5.77	GA	105	9S15E6	INSECTICIDE
ALFALFA	7/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	7.17	GA	137	9S14E2	INSECTICIDE
ALFALFA	7/25/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.01	GA	153	9S14E3	INSECTICIDE
ALFALFA	7/25/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.15	GA	41	9S14E3	INSECTICIDE
ALFALFA	7/25/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.51	GA	155	9S15E7	INSECTICIDE
ALFALFA	7/25/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.93	GA	75	9S14E2	INSECTICIDE
ALFALFA	7/30/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	19.3	GA	80	9S15E4	INSECTICIDE
ALFALFA	7/30/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	5.55	GA	23	9S15E5	INSECTICIDE
ALFALFA	7/30/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	2.29	GA	9.5	9S15E5	INSECTICIDE
ALFALFA	7/30/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	5.33	GA	22.1	9S15E5	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.33	GA	79	9S14E12	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.82	GA	91	8S14E30	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	5.86	GA	116	9S15E11	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	5.64	GA	103	9S14E12	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.22	GA	77	9S14E11	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.13	GA	78	8S14E31	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.85	GA	96	9S15E14	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.55	GA	67	8S14E31	INSECTICIDE
ALFALFA	7/31/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	59.6	PT	39.73	9S14E17	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.48	GA	49	9S14E16	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.43	GA	48	9S15E15	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.37	GA	153	9S15E17	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.18	GA	157	9S15E18	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.64	GA	158	9S15E18	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	1.72	GA	33	9S15E7	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	7.61	GA	146	9S15E6	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	39.3	GA	158	9S15E4	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	9.2	GA	37	9S15E5	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	9.45	GA	38	9S15E5	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	9.7	GA	39	9S15E5	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	37.59	GA	155	9S15E18	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	24.88	GA	100	9S15E4	INSECTICIDE
ALFALFA	8/3/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	18.25	GA	73	8S15E13	INSECTICIDE

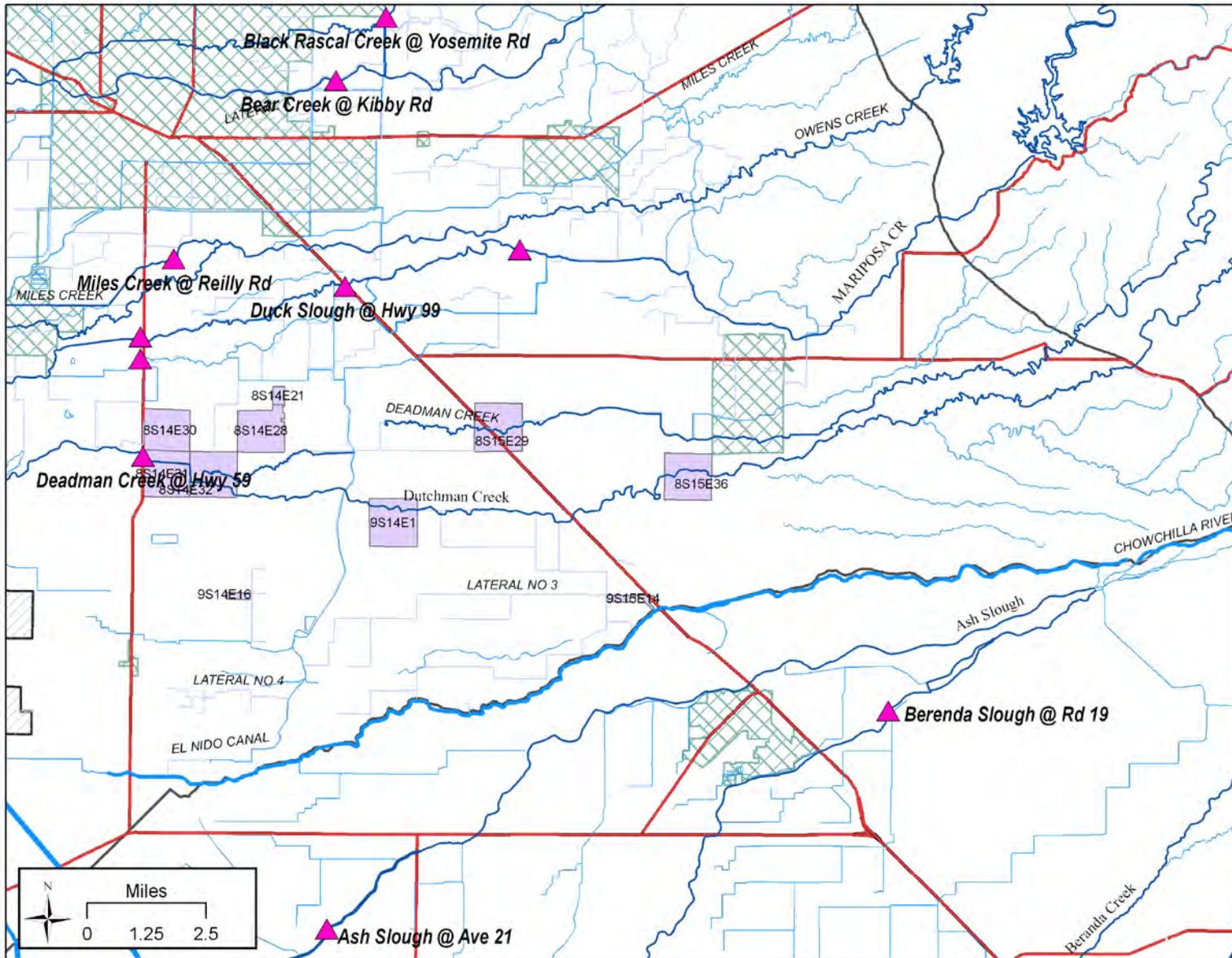
Figure 12. Location of chlorpyrifos use for Deadman Creek @ Hwy 59 – Irrigation 5 MPM



**Irrigation 6 MPM (9/9/08) - chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	7.51	GA	158	8S14E30	INSECTICIDE
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2	GA	32	9S14E1	INSECTICIDE
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.8	GA	51	9S15E14	INSECTICIDE
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.78	GA	69	9S15E14	INSECTICIDE
ALFALFA	8/18/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	12.44	GA	66.32	9S14E16	INSECTICIDE
ALFALFA	8/18/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	7.04	GA	37.53	9S14E16	INSECTICIDE
ALFALFA	8/20/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	4.69	GA	75	8S15E36	INSECTICIDE
ALFALFA	8/22/2008	CHLORPYRIFOS 4E AG	CHLORPYRIFOS	G	2.5	GA	20	8S15E29	INSECTICIDE
ALFALFA	8/23/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	7.45	GA	39.73	9S14E17	INSECTICIDE
CORN FOR/FOD	8/23/2008	WHIRLWIND	CHLORPYRIFOS	A	19.98	GA	108	8S14E32	INSECTICIDE
ALFALFA	8/24/2008	NUFOS 4E	CHLORPYRIFOS	A	7.5	GA	40	8S15E29	INSECTICIDE
ALFALFA	8/29/2008	NUFOS 4E	CHLORPYRIFOS	A	8.1	GA	64.8	8S14E28	INSECTICIDE
ALFALFA	8/29/2008	NUFOS 4E	CHLORPYRIFOS	A	5.04	GA	40.3	8S14E28	INSECTICIDE
ALFALFA	8/29/2008	NUFOS 4E	CHLORPYRIFOS	A	9.6	GA	76.8	8S14E21	INSECTICIDE
ALFALFA	8/29/2008	NUFOS 4E	CHLORPYRIFOS	A	4.6	GA	36.8	8S14E28	INSECTICIDE
ALFALFA	8/29/2008	NUFOS 4E	CHLORPYRIFOS	A	7.11	GA	56.9	8S14E28	INSECTICIDE
ALFALFA	9/4/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.87	GA	78	8S14E31	INSECTICIDE
ALFALFA	9/4/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.12	GA	83	8S14E30	INSECTICIDE
ALFALFA	9/4/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.51	GA	91	8S14E30	INSECTICIDE
ALFALFA	9/8/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	6.62	GA	35.32	9S14E17	INSECTICIDE

Figure 13. Location of chlorpyrifos use for Deadman Creek @ Hwy 59 – Irrigation 6 MPM



## Pesticide Use Reports for water column toxicity

### Irrigation 1 (4/29/08) - *Selenastrum capricornutum* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	3/14/2008	KOCIDE DF	COPPER HYDROXIDE	G	16	LBS	8	8S15E21	FUNGICIDE
ALMOND	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	17.5	LBS	5	8S15E17	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	106.25	LBS	85	9S16E11	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	105	LBS	84	9S16E11	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	110	LBS	88	9S16E11	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	105	LBS	84	9S16E11	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	101.25	LBS	81	9S16E11	FUNGICIDE
GRAPE RAISIN	3/31/2008	KOCIDE 2000	COPPER HYDROXIDE	G	297	LBS	198	9S15E3	FUNGICIDE
TOMATO PROCESSING	3/31/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	4.64	GA	24.75	8S15E14	HERBICIDE
ALMOND	3/31/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	4.5	GA	18	8S15E24	HERBICIDE
ALMOND	4/1/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	1	QT	1	8S15E14	HERBICIDE
GRAPE WINE	4/1/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	190.24	GA	627.8	9S15E12	HERBICIDE
TOMATO PROCESSING	4/1/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	6.19	GA	33	8S15E23	HERBICIDE
ALMOND	4/1/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	12	GA	47	8S15E23	HERBICIDE
ALMOND	4/1/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.4	GA	17	8S15E13	HERBICIDE
ALMOND	4/1/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	12.75	GA	17	8S15E13	HERBICIDE
ALMOND	4/1/2008	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	G	4.95	GA	13.2	8S16E21	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL	OXYFLUORFEN	G	0.83	GA	13.2	8S16E21	HERBICIDE
ALMOND	4/1/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.13	GA	13.2	8S16E21	HERBICIDE
ALMOND	4/2/2008	GOAL 2XL	OXYFLUORFEN	G	288	OZ	36	8S15E16	HERBICIDE
ALMOND	4/2/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	1	QT	1	8S15E14	HERBICIDE
WALNUT	4/2/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	12.8	OZ	20	8S15E17	HERBICIDE
ALMOND	4/2/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	50.75	GA	29	8S16E30	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/2/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	11.33	GA	29	8S16E30	HERBICIDE
ALMOND	4/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1152	OZ	36	8S15E16	HERBICIDE
WALNUT	4/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	273.07	OZ	20	8S15E17	HERBICIDE
ALMOND	4/2/2008	GOAL 2XL	OXYFLUORFEN	G	51	OZ	17	8S15E13	HERBICIDE
ALMOND	4/2/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.19	GA	17	8S15E13	HERBICIDE
ALMOND	4/3/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	29.25	OZ	5	8S15E17	Plant Growth Regulator
PISTACHIO	4/3/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	24	GA	32	8S17E30	HERBICIDE
PEPPER FRUITING	4/3/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	6.75	8S15E16	HERBICIDE
ALMOND	4/3/2008	GOAL 2XL	OXYFLUORFEN	G	36	OZ	12	8S16E21	HERBICIDE
ALMOND	4/3/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.25	GA	12	8S16E21	HERBICIDE
ALMOND	4/4/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	84	GA	48	8S16E30	HERBICIDE
ALMOND	4/4/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	18.75	GA	48	8S16E30	HERBICIDE
PISTACHIO	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	1	GA	16	9S15E15	HERBICIDE
PISTACHIO	4/4/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	16	9S15E15	HERBICIDE
PISTACHIO	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	1.81	GA	29	9S15E16	HERBICIDE
PISTACHIO	4/4/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.25	GA	29	9S15E16	HERBICIDE
ALMOND	4/4/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1	GA	3	8S15E13	HERBICIDE
ALMOND	4/4/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	6	OZ	3	8S15E13	HERBICIDE
PISTACHIO	4/4/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	22.5	GA	30	8S17E30	HERBICIDE
ALMOND	4/4/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.8	GA	4	8S15E13	HERBICIDE
PISTACHIO	4/5/2008	GOAL 2XL	OXYFLUORFEN	G	1.04	GA	16.67	9S15E16	HERBICIDE
PISTACHIO	4/5/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.17	GA	16.67	9S15E16	HERBICIDE
PISTACHIO	4/5/2008	GOAL 2XL	OXYFLUORFEN	G	1.67	GA	26.67	9S15E16	HERBICIDE
PISTACHIO	4/5/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.67	GA	26.67	9S15E16	HERBICIDE
WALNUT	4/7/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	292.5	OZ	50	8S15E17	Plant Growth Regulator
ALMOND	4/7/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE,	G	72	PT	36	8S15E16	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
			ISOPROPYLAMINE SALT						
ALMOND	4/7/2008	POAST	SETHOXYDIM	G	7.5	GA	24	8S15E13	HERBICIDE
WALNUT	4/8/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	29.25	OZ	5	8S15E16	Plant Growth Regulator
ALMOND	4/8/2008	GOAL 2XL	OXYFLUORFEN	G	0.79	GA	19	8S15E24	HERBICIDE
ALMOND	4/8/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	5.7	GA	19	8S15E24	HERBICIDE
ALMOND	4/8/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12	PT	6	8S15E15	HERBICIDE
ALMOND	4/9/2008	POAST	SETHOXYDIM	G	2.4	GA	19	8S15E14	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	72	OZ	19	8S15E14	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	0.79	GA	19	8S15E24	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	15	OZ	5	8S16E20	HERBICIDE
ALMOND	4/9/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	PT	5	8S16E20	HERBICIDE
WALNUT	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	175	LBS	50	8S15E17	FUNGICIDE
PEPPER FRUITING	4/9/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	2.2	GA	38	8S16E21	HERBICIDE
ALMOND	4/9/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.6	GA	19	8S15E14	HERBICIDE
ALMOND	4/9/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	5.7	GA	19	8S15E24	HERBICIDE
PISTACHIO	4/9/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	15	GA	20	8S17E31	HERBICIDE
ALMOND	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	75	PT	75	8S16E25	HERBICIDE
GRAPE WINE	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	232	OZ	58	9S15E10	HERBICIDE
ALMOND	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	0.84	GA	20	8S16E30	HERBICIDE
ALMOND	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	288	OZ	36	8S15E16	HERBICIDE
FIG	4/10/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	22	GA	60	8S16E24	HERBICIDE
GRAPE WINE	4/10/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1856	OZ	58	9S15E10	HERBICIDE
ALMOND	4/10/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	112.5	QT	75	8S16E25	HERBICIDE
ALMOND	4/10/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6	GA	20	8S16E30	HERBICIDE
ALMOND	4/10/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1152	OZ	36	8S15E16	HERBICIDE
ALMOND	4/10/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	23.73	GA	40.5	8S16E29	HERBICIDE

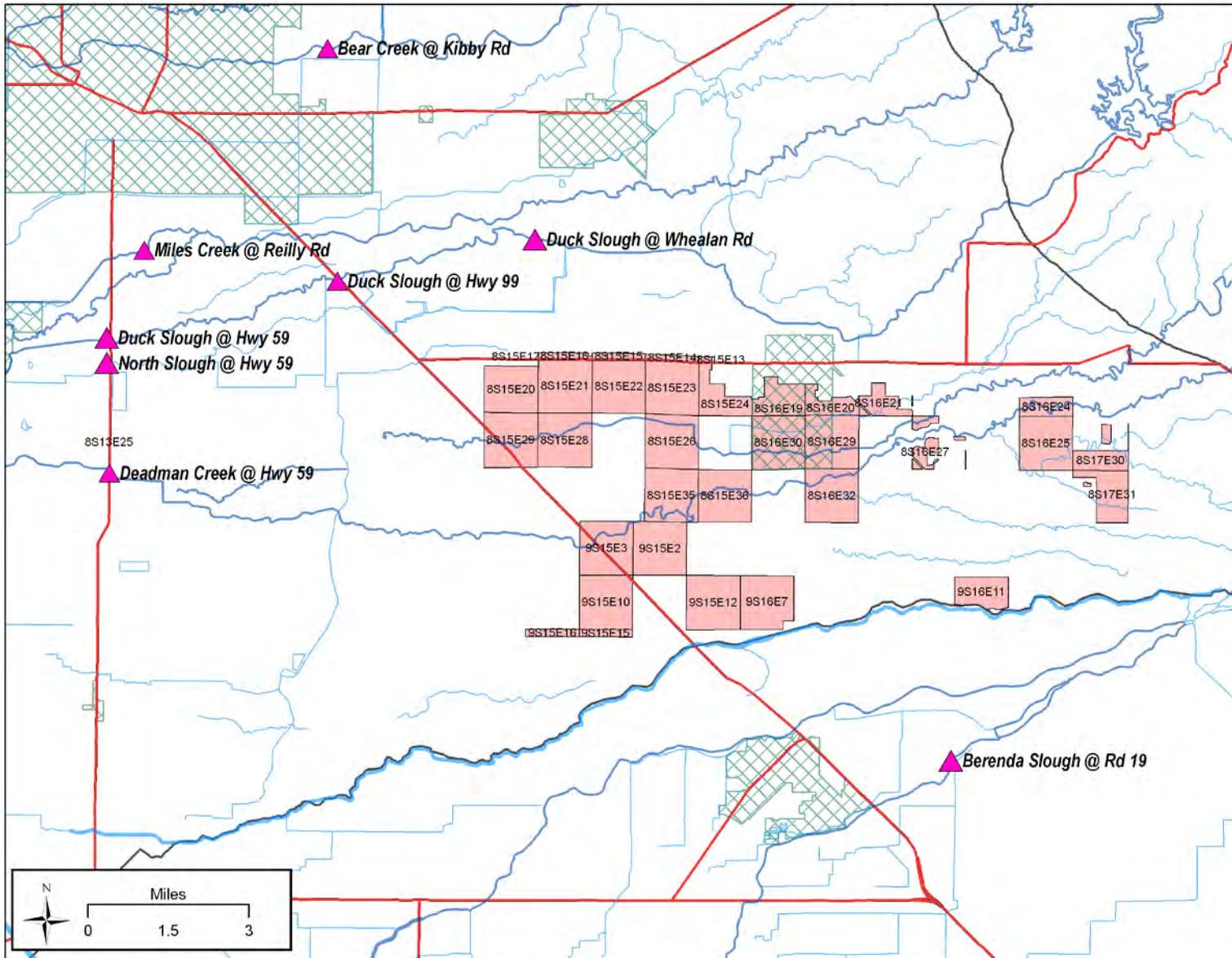
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/10/2008	BAYER CROPS SCIENCE LP	GLUFOSINATE-AMMONIUM	G	23.73	GA	40.5	8S16E29	HERBICIDE
GRAPE WINE	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	36	OZ	9	9S15E3	HERBICIDE
ALMOND	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	0.84	GA	20	8S16E30	HERBICIDE
GRAPE WINE	4/11/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	288	OZ	9	9S15E3	HERBICIDE
TOMATO	4/11/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	0.97	GA	25	8S15E26	HERBICIDE
ALMOND	4/11/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	28	LBS	16	8S15E13	HERBICIDE
ALMOND	4/11/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6.25	GA	16	8S15E13	HERBICIDE
ALMOND	4/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	9.5	GA	29	8S15E36	HERBICIDE
ALMOND	4/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6	GA	20	8S16E30	HERBICIDE
PISTACHIO	4/11/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	46.5	GA	62	8S17E31	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	1.03	GA	22	8S16E29	HERBICIDE
ALMOND	4/12/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.5	GA	22	8S16E29	HERBICIDE
ALMOND	4/13/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	4.5	GA	9	8S15E13	HERBICIDE
ALMOND	4/13/2008	SHARK EW	CARFENTRAZONE-ETHYL GLYPHOSATE, POTASSIUM SALT	G	24	OZ	9	8S15E13	HERBICIDE
APRICOT	4/14/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	192	OZ	6	8S15E15	HERBICIDE
ALMOND	4/14/2008	GOAL 2XL	OXYFLUORFEN	G	0.89	GA	19	8S16E29	HERBICIDE
ALMOND	4/14/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.75	GA	19	8S16E29	HERBICIDE
TOMATO	4/15/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	1.56	OZ	12.5	8S15E26	HERBICIDE
TOMATO	4/15/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	3.25	GA	77	8S15E35	HERBICIDE
N-OUTDOOR PLANT	4/15/2008	GOAL 2XL	OXYFLUORFEN	G	30	OZ	10	8S16E27	HERBICIDE
N-OUTDOOR PLANT	4/15/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	10	8S16E27	HERBICIDE
ALMOND	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	2	GA	65	8S16E30	HERBICIDE
ALMOND	4/16/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	16.25	GA	65	8S16E30	HERBICIDE
ALMOND	4/16/2008	POAST	SETHOXYDIM	G	7.5	GA	24	8S15E13	HERBICIDE
PEACH	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	60	OZ	20	8S16E27	HERBICIDE
ALMOND	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	3	QT	24	8S15E13	HERBICIDE
ALMOND	4/16/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	GA	24	8S15E13	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	4/16/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	40	PT	20	8S16E27	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	80	OZ	20	8S16E21	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	1.22	GA	23.5	8S15E36	HERBICIDE
ALMOND	4/17/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	20	8S16E21	HERBICIDE
ALMOND	4/17/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	9.75	GA	23.5	8S15E36	HERBICIDE
GRAPE WINE	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	144	LBS	96	9S15E16	FUNGICIDE
GRAPE WINE	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	912	LBS	608	9S15E16	FUNGICIDE
ALMOND	4/18/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	16	8S15E14	HERBICIDE
ALMOND	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	80	PT	15	8S15E20	HERBICIDE
GRAPE WINE	4/19/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	156.95	GA	627.8	9S15E12	FUNGICIDE
ALMOND	4/19/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	17	8S15E14	HERBICIDE
ALMOND	4/19/2008	GOAL 2XL	OXYFLUORFEN	G	0.6	GA	20	8S15E13	HERBICIDE
ALMOND	4/19/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	8S15E13	HERBICIDE
TOMATO	4/19/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	2.9	GA	74	8S15E26	HERBICIDE
TOMATO	4/19/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	4.62	OZ	37	8S15E26	HERBICIDE
FIG	4/20/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	22	GA	60	8S16E25	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	GOAL 2XL	OXYFLUORFEN	G	24	OZ	8	8S15E22	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16	PT	8	8S15E22	HERBICIDE
ALMOND	4/22/2008	GOAL 2XL	OXYFLUORFEN	G	224	OZ	56	9S15E10	HERBICIDE
ALMOND	4/22/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1792	OZ	56	9S15E10	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10.88	GA	29	8S15E15	HERBICIDE
CORN FOR/FOD	4/22/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	603.04	OZ	37.69	8S13E25	HERBICIDE
CORN FOR/FOD	4/22/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	554.88	OZ	34.68	8S13E25	HERBICIDE
CORN FOR/FOD	4/22/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	829.28	OZ	51.83	8S13E25	HERBICIDE
ALMOND	4/24/2008	GOAL 2XL	OXYFLUORFEN	G	192	OZ	48	9S15E3	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/24/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1536	OZ	48	9S15E3	HERBICIDE
GRAPE WINE	4/24/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1280	OZ	40	9S15E15	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	32.8	OZ	8.2	8S16E21	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	500	OZ	125	8S15E17	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	164	OZ	41	9S15E3	HERBICIDE
ALMOND	4/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.25	GA	19.33	8S16E20	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2500	OZ	125	8S15E17	HERBICIDE
POMEGRANATE	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	22	GA	60	8S16E25	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1312	OZ	41	9S15E3	HERBICIDE
ALMOND	4/25/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.6	GA	8.2	8S16E21	HERBICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	312.5	PT	125	8S15E17	HERBICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	7.25	GA	19.33	8S16E20	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	1200	OZ	200	8S16E29	HERBICIDE
ALMOND	4/25/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	300	PT	200	8S16E29	HERBICIDE
TOMATO	4/25/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	275	OZ	55	8S16E19	HERBICIDE
PEPPER FRUITING	4/25/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	38	OZ	9.5	8S15E16	HERBICIDE
ALMOND	4/26/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	25.5	GA	34	8S15E29	HERBICIDE
ALMOND	4/26/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	4.7	GA	8	8S15E13	HERBICIDE
TOMATO	4/26/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	2.9	GA	57	8S15E36	HERBICIDE
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	300	OZ	75	8S15E35	HERBICIDE
ALMOND	4/27/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2400	OZ	75	8S15E35	HERBICIDE
ALMOND	4/27/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	68.25	LBS	39	9S16E7	HERBICIDE
ALMOND	4/27/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	14.65	GA	39	9S16E7	HERBICIDE
PEACH	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	3	OZ	1	8S15E28	HERBICIDE
PEACH	4/27/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	PT	1	8S15E28	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/28/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2.6	GA	4	8S15E13	HERBICIDE
TOMATO	4/28/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	1.25	GA	33	8S15E21	HERBICIDE
ALMOND	4/29/2008	GOAL 2XL	OXYFLUORFEN	G	472	OZ	118	9S15E2	HERBICIDE
ALMOND	4/29/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	3776	OZ	118	9S15E2	HERBICIDE
PISTACHIO	4/29/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	330	LBS	66	8S16E32	FUNGICIDE
TOMATO	4/29/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	1.56	GA	20	8S16E20	HERBICIDE
ALMOND	4/29/2008	BAYER CROPS SCIENCE LP	GLUFOSINATE-AMMONIUM	G	1	GA	11.5	8S15E14	HERBICIDE

Figure 14. Location of pesticide use for Deadman Creek @ Hwy 59 – Irrigation 1



**Irrigation 1 RS (5/7/08) - *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	3/14/2008	KOCIDE DF	COPPER HYDROXIDE	G	16	LBS	8	8S15E21	FUNGICIDE
ALMOND	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	17.5	LBS	5	8S15E17	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	106.25	LBS	85	9S16E11	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	105	LBS	84	9S16E11	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	110	LBS	88	9S16E11	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	105	LBS	84	9S16E11	FUNGICIDE
GRAPE WINE	3/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	101.25	LBS	81	9S16E11	FUNGICIDE
GRAPE RAISIN	3/31/2008	KOCIDE 2000	COPPER HYDROXIDE	G	297	LBS	198	9S15E3	FUNGICIDE
TOMATO PROCESSING	3/31/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	4.64	GA	24.75	8S15E14	HERBICIDE
ALMOND	3/31/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	4.5	GA	18	8S15E24	HERBICIDE
ALMOND	4/9/2008	POAST	SETHOXYDIM	G	2.4	GA	19	8S15E14	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	72	OZ	19	8S15E14	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	0.79	GA	19	8S15E24	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	15	OZ	5	8S16E20	HERBICIDE
ALMOND	4/9/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	PT	5	8S16E20	HERBICIDE
WALNUT	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	175	LBS	50	8S15E17	FUNGICIDE
PEPPER FRUITING	4/9/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	2.2	GA	38	8S16E21	HERBICIDE
ALMOND	4/9/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.6	GA	19	8S15E14	HERBICIDE
ALMOND	4/9/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	5.7	GA	19	8S15E24	HERBICIDE
PISTACHIO	4/9/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	15	GA	20	8S17E31	HERBICIDE
ALMOND	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	75	PT	75	8S16E25	HERBICIDE
GRAPE WINE	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	232	OZ	58	9S15E10	HERBICIDE
ALMOND	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	0.84	GA	20	8S16E30	HERBICIDE
ALMOND	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	288	OZ	36	8S15E16	HERBICIDE
FIG	4/10/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	22	GA	60	8S16E24	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE WINE	4/10/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1856	OZ	58	9S15E10	HERBICIDE
ALMOND	4/10/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	112.5	QT	75	8S16E25	HERBICIDE
ALMOND	4/10/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6	GA	20	8S16E30	HERBICIDE
ALMOND	4/10/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1152	OZ	36	8S15E16	HERBICIDE
ALMOND	4/10/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	23.73	GA	40.5	8S16E29	HERBICIDE
ALMOND	4/10/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	23.73	GA	40.5	8S16E29	HERBICIDE
GRAPE WINE	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	36	OZ	9	9S15E3	HERBICIDE
ALMOND	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	0.84	GA	20	8S16E30	HERBICIDE
GRAPE WINE	4/11/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	288	OZ	9	9S15E3	HERBICIDE
TOMATO	4/11/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	0.97	GA	25	8S15E26	HERBICIDE
ALMOND	4/11/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	28	LBS	16	8S15E13	HERBICIDE
ALMOND	4/11/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6.25	GA	16	8S15E13	HERBICIDE
ALMOND	4/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	9.5	GA	29	8S15E36	HERBICIDE
ALMOND	4/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6	GA	20	8S16E30	HERBICIDE
PISTACHIO	4/11/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	46.5	GA	62	8S17E31	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	1.03	GA	22	8S16E29	HERBICIDE
ALMOND	4/12/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.5	GA	22	8S16E29	HERBICIDE
ALMOND	4/13/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	4.5	GA	9	8S15E13	HERBICIDE
ALMOND	4/13/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	24	OZ	9	8S15E13	HERBICIDE
APRICOT	4/14/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	192	OZ	6	8S15E15	HERBICIDE
ALMOND	4/14/2008	GOAL 2XL	OXYFLUORFEN	G	0.89	GA	19	8S16E29	HERBICIDE
ALMOND	4/14/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.75	GA	19	8S16E29	HERBICIDE
TOMATO	4/15/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	1.56	OZ	12.5	8S15E26	HERBICIDE
TOMATO	4/15/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	3.25	GA	77	8S15E35	HERBICIDE
N-OUTDOOR PLANT	4/15/2008	GOAL 2XL	OXYFLUORFEN	G	30	OZ	10	8S16E27	HERBICIDE
N-OUTDOOR PLANT	4/15/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	10	8S16E27	HERBICIDE

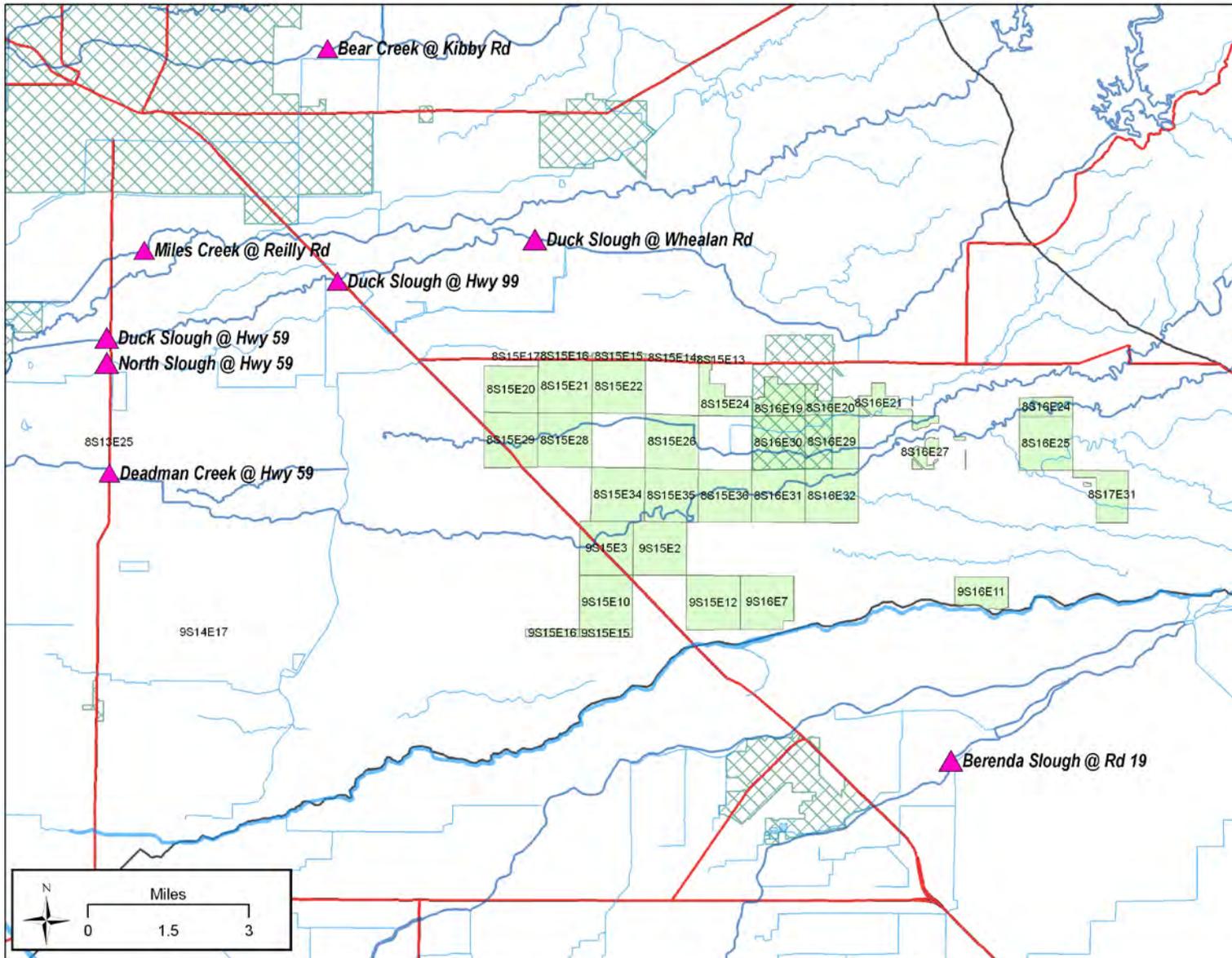
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	2	GA	65	8S16E30	HERBICIDE
ALMOND	4/16/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	16.25	GA	65	8S16E30	HERBICIDE
ALMOND	4/16/2008	POAST	SETHOXYDIM	G	7.5	GA	24	8S15E13	HERBICIDE
PEACH	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	60	OZ	20	8S16E27	HERBICIDE
ALMOND	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	3	QT	24	8S15E13	HERBICIDE
ALMOND	4/16/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	GA	24	8S15E13	HERBICIDE
PEACH	4/16/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	40	PT	20	8S16E27	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	80	OZ	20	8S16E21	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	1.22	GA	23.5	8S15E36	HERBICIDE
ALMOND	4/17/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	20	8S16E21	HERBICIDE
ALMOND	4/17/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	9.75	GA	23.5	8S15E36	HERBICIDE
GRAPE WINE	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	144	LBS	96	9S15E16	FUNGICIDE
GRAPE WINE	4/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	912	LBS	608	9S15E16	FUNGICIDE
ALMOND	4/18/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	16	8S15E14	HERBICIDE
ALMOND	4/18/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	80	PT	15	8S15E20	HERBICIDE
GRAPE WINE	4/19/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	156.95	GA	627.8	9S15E12	FUNGICIDE
ALMOND	4/19/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	17	8S15E14	HERBICIDE
ALMOND	4/19/2008	GOAL 2XL	OXYFLUORFEN	G	0.6	GA	20	8S15E13	HERBICIDE
ALMOND	4/19/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	8S15E13	HERBICIDE
TOMATO	4/19/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	2.9	GA	74	8S15E26	HERBICIDE
TOMATO	4/19/2008	DU PONT MATRIX HERBICIDE	RIMSULFURON	G	4.62	OZ	37	8S15E26	HERBICIDE
FIG	4/20/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	22	GA	60	8S16E25	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	GOAL 2XL	OXYFLUORFEN	G	24	OZ	8	8S15E22	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16	PT	8	8S15E22	HERBICIDE
ALMOND	4/22/2008	GOAL 2XL	OXYFLUORFEN	G	224	OZ	56	9S15E10	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/22/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1792	OZ	56	9S15E10	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10.88	GA	29	8S15E15	HERBICIDE
CORN FOR/FOD	4/22/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	603.04	OZ	37.69	8S13E25	HERBICIDE
CORN FOR/FOD	4/22/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	554.88	OZ	34.68	8S13E25	HERBICIDE
CORN FOR/FOD	4/22/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	829.28	OZ	51.83	8S13E25	HERBICIDE
ALMOND	4/24/2008	GOAL 2XL	OXYFLUORFEN	G	192	OZ	48	9S15E3	HERBICIDE
ALMOND	4/24/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1536	OZ	48	9S15E3	HERBICIDE
GRAPE WINE	4/24/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1280	OZ	40	9S15E15	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	32.8	OZ	8.2	8S16E21	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	500	OZ	125	8S15E17	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	164	OZ	41	9S15E3	HERBICIDE
ALMOND	4/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.25	GA	19.33	8S16E20	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2500	OZ	125	8S15E17	HERBICIDE
POMEGRANATE	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	22	GA	60	8S16E25	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1312	OZ	41	9S15E3	HERBICIDE
ALMOND	4/25/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.6	GA	8.2	8S16E21	HERBICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	312.5	PT	125	8S15E17	HERBICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	7.25	GA	19.33	8S16E20	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	1200	OZ	200	8S16E29	HERBICIDE
ALMOND	4/25/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	300	PT	200	8S16E29	HERBICIDE
TOMATO	4/25/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	275	OZ	55	8S16E19	HERBICIDE
PEPPER FRUITING	4/25/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	38	OZ	9.5	8S15E16	HERBICIDE
ALMOND	4/26/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	25.5	GA	34	8S15E29	HERBICIDE
ALMOND	4/26/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	4.7	GA	8	8S15E13	HERBICIDE
TOMATO	4/26/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	2.9	GA	57	8S15E36	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	300	OZ	75	8S15E35	HERBICIDE
ALMOND	4/27/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2400	OZ	75	8S15E35	HERBICIDE
ALMOND	4/27/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	68.25	LBS	39	9S16E7	HERBICIDE
ALMOND	4/27/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	14.65	GA	39	9S16E7	HERBICIDE
PEACH	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	3	OZ	1	8S15E28	HERBICIDE
PEACH	4/27/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	PT	1	8S15E28	HERBICIDE
ALMOND	4/28/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2.6	GA	4	8S15E13	HERBICIDE
TOMATO	4/28/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	1.25	GA	33	8S15E21	HERBICIDE
ALMOND	4/29/2008	GOAL 2XL	OXYFLUORFEN	G	472	OZ	118	9S15E2	HERBICIDE
ALMOND	4/29/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	3776	OZ	118	9S15E2	HERBICIDE
PISTACHIO	4/29/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	330	LBS	66	8S16E32	FUNGICIDE
TOMATO	4/29/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	1.56	GA	20	8S16E20	HERBICIDE
ALMOND	4/29/2008	BAYER CROPS SCIENCE LP	GLUFOSINATE-AMMONIUM	G	1	GA	11.5	8S15E14	HERBICIDE
PISTACHIO	4/30/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	295	LBS	59	8S16E32	FUNGICIDE
ALMOND	4/30/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.98	GA	23	8S16E30	HERBICIDE
GRAPE WINE	5/1/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1280	OZ	40	9S15E15	HERBICIDE
PISTACHIO	5/1/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	195	LBS	39	8S16E32	FUNGICIDE
PISTACHIO	5/1/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	215	LBS	43	8S16E32	FUNGICIDE
ALMOND	5/1/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	11	GA	22	8S15E36	HERBICIDE
PISTACHIO	5/2/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	330	LBS	66	8S16E32	FUNGICIDE
PISTACHIO	5/2/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	215	LBS	43	8S16E32	FUNGICIDE
PEPPER FRUITING	5/2/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	2.1	GA	23	8S15E24	HERBICIDE
ALMOND	5/2/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6	GA	12	8S15E13	HERBICIDE
CORN FOR/FOD	5/2/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	557.6	OZ	34.85	8S13E25	HERBICIDE
COTTON	5/3/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8.3	GA	33.17	9S14E17	HERBICIDE
ALMOND	5/3/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	0.5	GA	108	8S16E30	HERBICIDE
PEPPER FRUITING	5/3/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	2.5	GA	30	8S15E35	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/3/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	33	GA	108	8S16E30	HERBICIDE
ALMOND	5/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	10	GA	108	8S16E30	HERBICIDE
PISTACHIO	5/5/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	425	LBS	85	8S16E31	FUNGICIDE
ALMOND	5/5/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	2	QT	2	8S15E14	HERBICIDE
PISTACHIO	5/6/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	330	LBS	66	8S16E31	FUNGICIDE
TOMATO	5/6/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	1.5	GA	39	8S15E34	HERBICIDE
ALMOND	5/6/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	2	QT	2	8S15E14	HERBICIDE
ALMOND	5/7/2008	GOAL 2XL	OXYFLUORFEN	G	72	OZ	24	8S15E13	HERBICIDE
PEACH	5/7/2008	GOAL 2XL	OXYFLUORFEN	G	36	OZ	12	8S15E28	HERBICIDE
ALMOND	5/7/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	GA	24	8S15E13	HERBICIDE
PEACH	5/7/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	18	PT	12	8S15E28	HERBICIDE
PISTACHIO	5/7/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	470	LBS	94	8S16E31	FUNGICIDE

Figure 15. Location of pesticide use for Deadman Creek @ Hwy 59 – Irrigation 1 RS



## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.03	GA	74	8S15E14	INSECTICIDE
ALFALFA	3/17/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	128	OZ	51	8S15E34	INSECTICIDE
ALFALFA	3/21/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2	GA	77	9S14E9	INSECTICIDE
ALFALFA	3/28/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.39	GA	67	8S14E31	INSECTICIDE
ALFALFA	3/28/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.61	GA	78	8S14E31	INSECTICIDE
ALFALFA	3/28/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.88	GA	91	8S14E30	INSECTICIDE
ALFALFA	3/28/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	3.11	GA	150	9S14E3	INSECTICIDE
TOMATO	3/31/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	1.2	GA	55	8S16E19	INSECTICIDE
TOMATO	4/5/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	44	OZ	15.75	8S15E21	INSECTICIDE
RADICCHIO	4/6/2008	PYGANIC CROP PROTECTION EC 1.4 II	PYRETHRINS	A	8.25	GA	44	8S15E32	INSECTICIDE
RADICCHIO	4/27/2008	PYGANIC CROP PROTECTION EC 1.4 II	PYRETHRINS	A	8.25	GA	44	8S15E32	INSECTICIDE
CORN FOR/FOD	5/8/2008	KERNEL GUARD SUPREME	PERMETHRIN	G	22.5	OZ	15	9S14E12	INSECTICIDE
CORN FOR/FOD	5/9/2008	KERNEL GUARD SUPREME	PERMETHRIN	G	92.51	OZ	61.67	9S14E11	INSECTICIDE
ALMOND	5/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.31	GA	37	8S15E24	INSECTICIDE
TOMATO	5/10/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	65	OZ	13	8S15E35	INSECTICIDE
ALMOND	5/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.25	GA	36	8S15E24	INSECTICIDE
TOMATO	5/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	4.46	GA	115	8S14E26	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.75	GA	28	8S16E20	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	20	8S16E21	INSECTICIDE
RICE	5/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	44.8	OZ	14	9S13E1	INSECTICIDE
PEPPER FRUITING	5/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.1	GA	19	8S15E24	INSECTICIDE
ALMOND	5/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5.12	GA	82	8S16E30	INSECTICIDE
TOMATO	5/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.9	GA	16	8S15E21	INSECTICIDE
PEPPER FRUITING	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	36	8S15E16	INSECTICIDE
TOMATO	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.7	GA	31	8S15E21	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	5/17/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	1.9	GA	48	8S15E36	INSECTICIDE
TOMATO	5/19/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.13	GA	30	8S14E34	INSECTICIDE
TOMATO	5/19/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.88	GA	50	8S14E35	INSECTICIDE
TOMATO	5/19/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.05	GA	28	8S14E35	INSECTICIDE
ALMOND	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5.25	GA	84	8S16E29	INSECTICIDE
PISTACHIO	5/19/2008	PYGANIC CROP PROTECTION EC 1.4 II	PYRETHRINS	G	16	GA	43	8S16E32	INSECTICIDE
CORN FOR/FOD	5/23/2008	KERNEL GUARD SUPREME	PERMETHRIN	G	90	OZ	60	9S15E17	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	1.09	GA	20	8S16E20	INSECTICIDE
TOMATO	5/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	2.19	GA	40	8S15E29	INSECTICIDE
TOMATO	5/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.4	GA	62	8S15E21	INSECTICIDE
TOMATO	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.1	GA	57	8S15E36	INSECTICIDE
CORN FOR/FOD	6/4/2008	KERNEL GUARD SUPREME	PERMETHRIN	G	92.51	OZ	61.67	9S14E11	INSECTICIDE
COTTON	6/6/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	18	OZ	18	8S15E19	INSECTICIDE
PEPPER FRUITING	6/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	106	OZ	38	8S15E24	INSECTICIDE
CORN FOR/FOD	6/9/2008	KERNEL GUARD SUPREME	PERMETHRIN	G	67.5	OZ	45	9S15E2	INSECTICIDE
PISTACHIO	6/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4	GA	40	9S15E15	INSECTICIDE
TOMATO	6/12/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.51	GA	88	8S14E34	INSECTICIDE
COTTON	6/12/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	112	OZ	28	8S14E24	INSECTICIDE
N-OUTDOOR PLANT	6/13/2008	POUNCE 3.2 EC	PERMETHRIN	G	110	OZ	11	8S15E21	INSECTICIDE
CORN FOR/FOD	6/13/2008	KERNEL GUARD SUPREME	PERMETHRIN	G	48	OZ	32	9S15E14	INSECTICIDE
TOMATO	6/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.25	GA	77	8S15E35	INSECTICIDE
N-OUTDOOR PLANT	6/14/2008	POUNCE 3.2 EC	PERMETHRIN	G	15	OZ	15	8S15E15	INSECTICIDE
PEPPER FRUITING	6/17/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	100	OZ	20	8S15E35	INSECTICIDE
TOMATO	6/17/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	1.6	GA	40	9S15E2	INSECTICIDE
N-OUTDOOR PLANT	6/17/2008	POUNCE 3.2 EC	PERMETHRIN	G	110	OZ	11	8S15E21	INSECTICIDE
N-OUTDOOR PLANT	6/18/2008	POUNCE 3.2 EC	PERMETHRIN	G	150	OZ	15	8S15E15	INSECTICIDE
PEPPER FRUITING	6/20/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	0.9	GA	23	8S15E24	INSECTICIDE
N-OUTDOOR PLANT	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	50	8S15E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-OUTDOOR PLANT	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	1.97	GA	24.3	8S15E21	INSECTICIDE
PEPPER FRUITING	6/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.7	GA	36	8S15E16	INSECTICIDE
PEPPER FRUITING	6/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	38	8S15E34	INSECTICIDE
COTTON	6/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	27	OZ	18	8S15E19	INSECTICIDE
TOMATO	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	39	8S15E34	INSECTICIDE
TOMATO	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.6	GA	55	8S16E19	INSECTICIDE
N-OUTDOOR PLANT	6/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	1.97	GA	24.3	8S15E21	INSECTICIDE
PEPPER FRUITING	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.9	GA	40	8S15E35	INSECTICIDE
N-OUTDOOR PLANT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	75	8S15E15	INSECTICIDE
PEPPER FRUITING	6/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	32.6	8S16E21	INSECTICIDE
TOMATO	6/29/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	8.98	GA	115	8S14E26	INSECTICIDE
TOMATO	6/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.2	GA	35	8S15E36	INSECTICIDE
TOMATO	6/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	16	8S15E21	INSECTICIDE
TOMATO	6/30/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	7.01	GA	88	8S14E34	INSECTICIDE
ALFALFA	7/1/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	3.76	GA	120.3	8S15E21	INSECTICIDE
TOMATO	7/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.8	GA	103	9S15E2	INSECTICIDE
N-OUTDOOR PLANT	7/1/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	110	OZ	11	8S15E21	INSECTICIDE
TOMATO	7/1/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	2.33	GA	28	8S14E35	INSECTICIDE
TOMATO	7/1/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	2.5	GA	30	8S14E34	INSECTICIDE
TOMATO	7/1/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	4.16	GA	50	8S14E35	INSECTICIDE
N-OUTDOOR PLANT	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	948	OZ	237	8S15E17	INSECTICIDE
TOMATO	7/4/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	5.41	GA	65	8S14E34	INSECTICIDE
ALFALFA	7/5/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.99	GA	31.8	8S15E21	INSECTICIDE
ALFALFA	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.74	GA	27	8S15E21	INSECTICIDE
ALFALFA	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.03	GA	37.5	8S15E22	INSECTICIDE
ALFALFA	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.09	GA	40	8S15E22	INSECTICIDE
ALFALFA	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.09	GA	40	8S15E22	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.74	GA	27	8S15E22	INSECTICIDE
N-OUTDOOR PLANT	7/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	1.77	GA	24.3	8S15E21	INSECTICIDE
N-OUTDOOR PLANT	7/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
PISTACHIO	7/6/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	20	GA	160	8S17E30	INSECTICIDE
PISTACHIO	7/6/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	20	GA	310	8S17E31	INSECTICIDE
TOMATO	7/9/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	1.5	GA	39	8S15E34	INSECTICIDE
PEPPER FRUITING	7/9/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	1.5	GA	38	8S15E34	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.5	GA	35	8S15E15	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6	GA	60	8S15E15	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	88	OZ	55	9S16E8	INSECTICIDE
TOMATO	7/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.2	GA	55	8S16E19	INSECTICIDE
N-OUTDOOR PLANT	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	2.02	GA	24.3	8S15E21	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	14	8S16E30	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	8S16E30	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	8S16E30	INSECTICIDE
PEPPER FRUITING	7/11/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.9	GA	40	8S15E35	INSECTICIDE
TOMATO	7/12/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.2	GA	80.4	8S14E36	INSECTICIDE
TOMATO	7/12/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.63	GA	15.7	8S14E36	INSECTICIDE
ALMOND	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	8S16E21	INSECTICIDE
ALMOND	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8.5	GA	85	8S16E30	INSECTICIDE
ALMOND	7/12/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	867	OZ	289	9S15E2	INSECTICIDE
ALMOND	7/12/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	345	OZ	115	8S15E35	INSECTICIDE
ALMOND	7/13/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	450	OZ	150	9S15E3	INSECTICIDE
TOMATO	7/13/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	7.81	GA	100	8S14E26	INSECTICIDE
PISTACHIO	7/13/2008	RENOUCE 20 WP INSECTICIDE	CYFLUTHRIN	G	7.5	LBS	40	9S15E15	INSECTICIDE
ALMOND	7/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	390	OZ	130	9S15E3	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	1.59	GA	58	8S16E20	INSECTICIDE
PISTACHIO	7/14/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	30.94	LBS	165	9S15E16	INSECTICIDE
PISTACHIO	7/14/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	16.31	LBS	87	9S15E16	INSECTICIDE
PISTACHIO	7/14/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	10.5	LBS	56	9S15E15	INSECTICIDE
PISTACHIO	7/14/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	27.94	LBS	149	9S15E16	INSECTICIDE
N-OUTDOOR PLANT	7/15/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	1.9	GA	24.3	8S15E21	INSECTICIDE
ALMOND	7/15/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	450	OZ	150	9S15E10	INSECTICIDE
PISTACHIO	7/15/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	15	LBS	80	9S15E15	INSECTICIDE
PISTACHIO	7/15/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	9.37	LBS	50	9S15E16	INSECTICIDE
PISTACHIO	7/15/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	7.5	LBS	40	9S15E15	INSECTICIDE
PISTACHIO	7/15/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	15	LBS	80	9S15E16	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7	GA	80	9S16E7	INSECTICIDE
ALMOND	7/16/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	640	OZ	80	8S16E32	INSECTICIDE
PISTACHIO	7/16/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	7.5	LBS	40	9S15E16	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.7	GA	37	8S15E24	INSECTICIDE
TOMATO	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	39	8S15E34	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.8	GA	28	8S16E20	INSECTICIDE
PEPPER FRUITING	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	38	8S15E34	INSECTICIDE
N-OUTDOOR PLANT	7/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
ALFALFA	7/18/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.21	GA	38.8	8S15E21	INSECTICIDE
TOMATO	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.2	GA	70	8S15E36	INSECTICIDE
TOMATO	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	64	8S15E36	INSECTICIDE
ALMOND	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8.4	GA	84	8S16E29	INSECTICIDE
PEPPER FRUITING	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	O	1.8	GA	38	8S15E34	INSECTICIDE
TOMATO	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	31	8S15E21	INSECTICIDE
N-OUTDOOR PLANT	7/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHHRIN	A	0.97	GA	24.3	8S15E21	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.4	GA	8	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1	GA	20	8S14E27	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.85	GA	37	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	2	GA	40	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.75	GA	15	8S14E27	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.5	GA	10	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.25	GA	25	8S14E22	INSECTICIDE
N-OUTDOOR PLANT	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
ALMOND	7/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8.2	GA	82	8S16E30	INSECTICIDE
TOMATO	7/21/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	3.75	QT	40	8S14E36	INSECTICIDE
TOMATO	7/21/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	23.4	OZ	7.8	8S14E36	INSECTICIDE
TOMATO	7/23/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	5.98	GA	88	8S14E34	INSECTICIDE
TOMATO	7/24/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	3.25	GA	40	9S14E6	INSECTICIDE
TOMATO	7/24/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	3.25	GA	40	9S14E6	INSECTICIDE
N-OUTDOOR PLANT	7/25/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	2.03	GA	24.3	8S15E21	INSECTICIDE
PISTACHIO	7/26/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	16	GA	150	8S17E30	INSECTICIDE
N-OUTDOOR PLANT	7/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.96	GA	55	8S15E15	INSECTICIDE
PEPPER FRUITING	7/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.8	GA	17	8S15E33	INSECTICIDE
ALMOND	7/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3472	OZ	217	9S16E3	INSECTICIDE
ALMOND	7/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3392	OZ	212	9S16E3	INSECTICIDE
ALMOND	7/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3632	OZ	227	9S16E9	INSECTICIDE
ALMOND	7/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3664	OZ	229	9S16E10	INSECTICIDE
ALMOND	7/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1280	OZ	80	9S16E3	INSECTICIDE
ALMOND	7/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3936	OZ	246	9S16E9	INSECTICIDE
ALMOND	7/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3904	OZ	244	9S16E10	INSECTICIDE
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	4.33	GA	79	9S14E12	INSECTICIDE
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	4.82	GA	91	8S14E30	INSECTICIDE
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	3.55	GA	67	8S14E31	INSECTICIDE
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	5.86	GA	116	9S15E11	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	4.22	GA	77	9S14E11	INSECTICIDE
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	4.85	GA	96	9S15E14	INSECTICIDE
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	5.64	GA	103	9S14E12	INSECTICIDE
ALFALFA	7/31/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	1.64	GA	34.9	9S14E7	INSECTICIDE
ALFALFA	7/31/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	3.74	GA	79.72	9S14E7	INSECTICIDE
ALFALFA	7/31/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	2.49	GA	53.18	9S14E7	INSECTICIDE
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	4.13	GA	78	8S14E31	INSECTICIDE
ALMOND	7/31/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	11.85	GA	47.4	9S15E10	HERBICIDE
ALMOND	7/31/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.8	GA	2	8S15E13	HERBICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.33	GA	79	9S14E12	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.82	GA	91	8S14E30	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	5.86	GA	116	9S15E11	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	5.64	GA	103	9S14E12	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.22	GA	77	9S14E11	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.13	GA	78	8S14E31	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.85	GA	96	9S15E14	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.55	GA	67	8S14E31	INSECTICIDE
ALFALFA	7/31/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	59.6	PT	39.73	9S14E17	INSECTICIDE
PEPPER FRUITING	8/1/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	1.8	GA	76	8S15E34	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	8.64	GA	158	9S15E18	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	8.37	GA	153	9S15E17	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	8.18	GA	157	9S15E18	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	1.73	GA	36.8	8S14E28	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	3.04	GA	64.8	8S14E28	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	2.67	GA	56.9	8S14E21	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	1.89	GA	40.3	8S14E28	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	2.43	GA	48	9S15E15	INSECTICIDE
PEPPER FRUITING	8/1/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	14.25	LBS	76	8S15E34	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	2.48	GA	49	9S14E16	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	7.61	GA	146	9S15E6	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	1.72	GA	33	9S15E7	INSECTICIDE
CORN FOR/FOD	8/1/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1160	OZ	145	9S14E17	INSECTICIDE
CORN FOR/FOD	8/1/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	168	OZ	21	9S14E17	INSECTICIDE
ALMOND	8/1/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	18	GA	76	9S15E9	HERBICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.48	GA	49	9S14E16	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.43	GA	48	9S15E15	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.37	GA	153	9S15E17	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.18	GA	157	9S15E18	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.64	GA	158	9S15E18	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	1.72	GA	33	9S15E7	INSECTICIDE
ALFALFA	8/1/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	7.61	GA	146	9S15E6	INSECTICIDE
FIG	8/1/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	10	GA	40	8S17E32	HERBICIDE
TOMATO	8/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.59	GA	40	9S14E6	INSECTICIDE
TOMATO	8/2/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.59	GA	40	9S14E6	INSECTICIDE
ALMOND	8/2/2008	OMITE-6E	PROPARGITE	G	78	QT	39	9S15E10	INSECTICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.85	GA	20	8S15E15	HERBICIDE
TOMATO	8/2/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	A	3.13	GA	50	8S14E26	INSECTICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.24	GA	46	8S15E15	HERBICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	39.3	GA	158	9S15E4	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	9.2	GA	37	9S15E5	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	9.45	GA	38	9S15E5	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	9.7	GA	39	9S15E5	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	37.59	GA	155	9S15E18	INSECTICIDE
ALFALFA	8/2/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	24.88	GA	100	9S15E4	INSECTICIDE
TOMATO	8/2/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	3.91	GA	50	8S14E26	INSECTICIDE
TOMATO	8/2/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	3.33	GA	40	9S14E6	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	8/2/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	3.33	GA	40	9S14E6	INSECTICIDE
TOMATO	8/2/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	6.66	GA	80	8S14E34	INSECTICIDE
TOMATO	8/2/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	3.91	GA	50	8S14E26	INSECTICIDE
TOMATO	8/2/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	5.41	GA	65	8S14E35	INSECTICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S13E25	INSECTICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S13E25	INSECTICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.38	GA	8	8S13E25	INSECTICIDE
N-OUTDOOR PLANT	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.91	GA	24.3	8S15E21	INSECTICIDE
ALMOND	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	40	OZ	10	8S15E24	INSECTICIDE
N-OUTDOOR PLANT	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.06	GA	55	8S15E15	INSECTICIDE
ALFALFA	8/3/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	18.25	GA	73	8S15E13	INSECTICIDE
CORN FOR/FOD	8/3/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	340	OZ	40	9S14E2	INSECTICIDE
ALMOND	8/4/2008	OMITE-6E	PROPARGITE	G	90	QT	45	8S15E35	INSECTICIDE
ALMOND	8/4/2008	OMITE-6E	PROPARGITE	G	36	PT	18	8S15E24	INSECTICIDE
ALMOND	8/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	18	8S15E24	INSECTICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	108	OZ	27	8S15E24	INSECTICIDE
ALMOND	8/4/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	17	GA	68	9S15E10	HERBICIDE
TOMATO	8/4/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	51.8	LBS	83	9S15E2	FUNGICIDE
ALMOND	8/4/2008	ZEAL MITICIDE	ETOXAZOLE	G	54	OZ	18	8S15E24	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	68.16	LBS	48	9S16E8	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	89.46	LBS	63	9S16E8	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	164.45	LBS	115	9S16E6	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	72.42	LBS	51	9S16E8	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	208.74	LBS	147	9S16E7	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	214.42	LBS	151	9S16E7	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	65.32	LBS	46	9S16E8	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	121.55	LBS	85	9S16E8	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	217.26	LBS	153	9S16E6	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	61.06	LBS	43	9S16E5	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	80.94	LBS	57	9S16E5	INSECTICIDE
ALMOND	8/4/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	71	LBS	50	9S16E5	INSECTICIDE
ALMOND	8/5/2008	OMITE-6E	PROPARGITE	G	36	PT	18	8S15E24	INSECTICIDE
ALFALFA	8/5/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	1.73	GA	36.99	9S14E8	INSECTICIDE
ALFALFA	8/5/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	3.09	GA	65.84	9S14E8	INSECTICIDE
ALFALFA	8/5/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	3.49	GA	74.53	9S13E12	INSECTICIDE
ALFALFA	8/5/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	1.73	GA	36.99	9S14E8	INSECTICIDE
ALMOND	8/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	18	8S15E24	INSECTICIDE
ALMOND	8/5/2008	CLINCH ANT BAIT	ABAMECTIN	G	80	LBS	223	9S16E3	INSECTICIDE
ALMOND	8/5/2008	CLINCH ANT BAIT	ABAMECTIN	G	227	LBS	227	9S16E9	INSECTICIDE
ALMOND	8/5/2008	CLINCH ANT BAIT	ABAMECTIN	G	212	LBS	212	9S16E3	INSECTICIDE
ALMOND	8/5/2008	CLINCH ANT BAIT	ABAMECTIN	G	244	LBS	244	9S16E10	INSECTICIDE
ALMOND	8/5/2008	CLINCH ANT BAIT	ABAMECTIN	G	217	LBS	217	9S16E3	INSECTICIDE
ALMOND	8/5/2008	CLINCH ANT BAIT	ABAMECTIN	G	229	LBS	229	9S16E10	INSECTICIDE
ALMOND	8/5/2008	CLINCH ANT BAIT	ABAMECTIN	G	246	LBS	246	9S16E9	INSECTICIDE
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.33	GA	45	8S16E30	HERBICIDE
ALMOND	8/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	108	OZ	27	8S16E30	INSECTICIDE
ALMOND	8/5/2008	ZEAL MITICIDE	ETOXAZOLE	G	54	OZ	18	8S15E24	INSECTICIDE
CORN FOR/FOD	8/5/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	680	OZ	80	9S14E2	INSECTICIDE
ALFALFA	8/6/2008	STEWARD EC	INDOXACARB	A	8.34	GA	153	9S15E8	INSECTICIDE
ALFALFA	8/6/2008	STEWARD EC	INDOXACARB	A	2.89	GA	53	9S15E6	INSECTICIDE
ALFALFA	8/6/2008	STEWARD EC	INDOXACARB	A	3.76	GA	69	9S15E6	INSECTICIDE
ALMOND	8/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	216	OZ	54	8S16E30	INSECTICIDE
ALFALFA	8/6/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.89	GA	53	9S15E6	INSECTICIDE
ALFALFA	8/6/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.34	GA	153	9S15E8	INSECTICIDE
ALFALFA	8/6/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.76	GA	69	9S15E6	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	8.34	GA	153	9S15E8	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	5.98	GA	110	9S14E11	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	4.19	GA	77	9S14E11	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	2.18	GA	35	9S14E3	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	5.53	GA	89	9S14E2	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	3.76	GA	69	9S15E6	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	4.79	GA	77	8S14E32	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	2.89	GA	53	9S15E6	INSECTICIDE
ALMOND	8/7/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	15	GA	40	9S16E7	HERBICIDE
ALMOND	8/7/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	19.5	GA	78	8S15E26	HERBICIDE
ALFALFA	8/7/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	5.98	GA	110	9S14E11	INSECTICIDE
ALFALFA	8/7/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.34	GA	153	9S15E8	INSECTICIDE
ALFALFA	8/7/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.79	GA	77	8S14E32	INSECTICIDE
ALFALFA	8/7/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	5.53	GA	89	9S14E2	INSECTICIDE
ALFALFA	8/7/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.18	GA	35	9S14E3	INSECTICIDE
ALFALFA	8/7/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.19	GA	77	9S14E11	INSECTICIDE
ALFALFA	8/7/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.89	GA	53	9S15E6	INSECTICIDE
ALFALFA	8/7/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.76	GA	69	9S15E6	INSECTICIDE
ALFALFA	8/8/2008	STEWARD EC	INDOXACARB	A	3.44	GA	73.4	8S14E21	INSECTICIDE
ALFALFA	8/8/2008	STEWARD EC	INDOXACARB	A	2.47	GA	52.7	8S14E28	INSECTICIDE
ALMOND	8/8/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.6	GA	40	9S16E7	HERBICIDE
ALMOND	8/8/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	22.5	GA	90	8S15E26	HERBICIDE
ALFALFA	8/8/2008	FYFANON 8 LB. EMULSION	MALATHION	A	6.59	GA	52.7	8S14E28	INSECTICIDE
ALFALFA	8/8/2008	FYFANON 8 LB. EMULSION	MALATHION	A	9.18	GA	73.4	8S14E21	INSECTICIDE
CORN FOR/FOD	8/9/2008	STRATEGO FUNGICIDE	TRIFLOXYSTROBIN	A	2.5	GA	32	9S15E14	FUNGICIDE
ALFALFA	8/9/2008	STEWARD EC	INDOXACARB	A	3.98	GA	85	9S13E12	INSECTICIDE
TOMATO	8/9/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	16.83	LBS	80.4	8S14E36	INSECTICIDE
ALFALFA	8/9/2008	STEWARD EC	INDOXACARB	A	2.5	GA	45	9S15E5	INSECTICIDE
N-OUTDOOR PLANT	8/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.81	GA	75	8S15E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	8/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2	GA	80.4	8S14E36	INSECTICIDE
N-OUTDOOR PLANT	8/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.91	GA	24.3	8S15E21	INSECTICIDE
ALFALFA	8/9/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	6.63	GA	35.32	9S14E17	INSECTICIDE
ALMOND	8/9/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	23	GA	92	8S15E26	HERBICIDE
TOMATO	8/9/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	45.02	LBS	80.4	8S14E36	FUNGICIDE
ALFALFA	8/9/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.5	GA	45	9S15E5	INSECTICIDE
ALFALFA	8/10/2008	STEWARD EC	INDOXACARB	A	2	GA	37.5	8S15E28	INSECTICIDE
ALFALFA	8/10/2008	STEWARD EC	INDOXACARB	A	3	GA	51	8S15E34	INSECTICIDE
ALFALFA	8/10/2008	STEWARD EC	INDOXACARB	A	2.01	GA	37.7	8S15E29	INSECTICIDE
ALMOND	8/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.33	GA	85	8S16E30	INSECTICIDE
ALMOND	8/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.85	GA	30	8S16E30	INSECTICIDE
ALMOND	8/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.85	GA	30	8S16E30	INSECTICIDE
ALMOND	8/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.11	GA	75	8S15E13	INSECTICIDE
ALMOND	8/10/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10	GA	30	8S16E30	HERBICIDE
ALMOND	8/10/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	5.6	GA	19	8S15E13	HERBICIDE
ALFALFA	8/10/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.35	GA	37.7	8S15E29	INSECTICIDE
ALFALFA	8/10/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.5	GA	51	8S15E34	INSECTICIDE
ALFALFA	8/10/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.34	GA	37.5	8S15E28	INSECTICIDE
ALMOND	8/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	12	GA	36	8S15E15	HERBICIDE
ALMOND	8/11/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	112	OZ	28	8S16E29	INSECTICIDE
ALMOND	8/11/2008	ZEAL MITICIDE(1)	ETOXAZOLE	G	0.75	LBS	4	8S16E29	INSECTICIDE
ALMOND	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.5	GA	45	8S16E30	INSECTICIDE
ALMOND	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.5	GA	45	8S16E30	INSECTICIDE
ALMOND	8/12/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	1.25	GA	45	8S16E30	INSECTICIDE
ALMOND	8/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	224	OZ	56	8S16E29	INSECTICIDE
ALMOND	8/12/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	1.25	GA	45	8S16E30	INSECTICIDE
ALMOND	8/12/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	36.26	GA	145	9S15E1	HERBICIDE
TOMATO	8/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	2.5	GA	65	8S15E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
ALFALFA	8/13/2008	STEWARD EC	INDOXACARB	A	5.16	GA	98.5	8S15E36	INSECTICIDE
TOMATO	8/13/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	3.33	LBS	15.7	8S14E36	INSECTICIDE
TOMATO	8/13/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	6.2	LBS	33	8S15E21	INSECTICIDE
TOMATO	8/13/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	12.2	LBS	65	8S15E36	INSECTICIDE
TOMATO	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.37	GA	15.7	8S14E36	INSECTICIDE
ALMOND	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.06	GA	36	8S15E15	INSECTICIDE
TOMATO	8/13/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	9.24	LBS	15.7	8S14E36	FUNGICIDE
ALMOND	8/13/2008	GLYPHOS HERBICIDE	GLYPHOSATE	G	2.5	GA	6	8S15E13	HERBICIDE
ALMOND	8/14/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	3.12	GA	25	8S16E30	INSECTICIDE
ALMOND	8/14/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	7.5	GA	60	9S16E7	INSECTICIDE
ALFALFA	8/14/2008	STEWARD EC	INDOXACARB	G	770.5	OZ	115	8S14E23	INSECTICIDE
ALMOND	8/14/2008	OMITE-6E	PROPARGITE	G	864	OZ	18	8S15E29	INSECTICIDE
ALMOND	8/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	40	OZ	10	8S16E20	INSECTICIDE
ALMOND	8/14/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	73.14	PT	36	8S15E16	HERBICIDE
TOMATO	8/15/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	5.5	GA	140	8S15E36	INSECTICIDE
PEPPER FRUITING	8/15/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	8	PT	38	8S15E34	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	1.82	GA	38.8	8S14E28	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	3.98	GA	85	9S13E1	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	G	3.98	GA	85	9S13E12	INSECTICIDE
TOMATO	8/15/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	26.25	LBS	140	8S15E36	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E20	INSECTICIDE
WALNUT	8/15/2008	CLINCH ANT BAIT	ABAMECTIN	G	25	LBS	25	8S15E15	INSECTICIDE
CORN FOR/FOD	8/15/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	7.36	GA	117	9S15E7	INSECTICIDE
CORN FOR/FOD	8/15/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	2.64	GA	42	9S15E6	INSECTICIDE
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	1.03	GA	21.93	8S13E25	INSECTICIDE
ALFALFA	8/16/2008	STEWARD EC	INDOXACARB	A	10	GA	158	8S14E30	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/16/2008	STEWARD EC	INDOXACARB	A	2	GA	32	9S14E1	INSECTICIDE
ALFALFA	8/16/2008	STEWARD EC	INDOXACARB	A	3.78	GA	69	9S15E14	INSECTICIDE
ALFALFA	8/16/2008	STEWARD EC	INDOXACARB	A	2.8	GA	51	9S15E14	INSECTICIDE
ALFALFA	8/16/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	1.88	GA	40	9S14E8	INSECTICIDE
ALFALFA	8/16/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	1.87	GA	39.91	9S13E12	INSECTICIDE
ALFALFA	8/16/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	3.19	GA	68	9S14E8	INSECTICIDE
TOMATO	8/16/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	112	OZ	32	8S15E15	INSECTICIDE
ALFALFA	8/16/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	1.88	GA	40	9S14E8	INSECTICIDE
TOMATO	8/16/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	40	LBS	80	8S14E34	FUNGICIDE
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	7.51	GA	158	8S14E30	INSECTICIDE
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2	GA	32	9S14E1	INSECTICIDE
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.8	GA	51	9S15E14	INSECTICIDE
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.78	GA	69	9S15E14	INSECTICIDE
TOMATO	8/16/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	32.5	LBS	65	8S14E35	FUNGICIDE
N-OUTDOOR PLANT	8/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	1.84	GA	24.3	8S15E21	INSECTICIDE
N-OUTDOOR PLANT	8/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	5.68	GA	75	8S15E15	INSECTICIDE
ALFALFA	8/18/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	12.44	GA	66.32	9S14E16	INSECTICIDE
ALFALFA	8/18/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	7.04	GA	37.53	9S14E16	INSECTICIDE
CORN FOR/FOD	8/19/2008	COMITE	PROPARGITE	A	29.12	OZ	28	8S14E21	INSECTICIDE
CORN FOR/FOD	8/19/2008	COMITE	PROPARGITE	A	18.72	OZ	18	8S14E21	INSECTICIDE
ALFALFA	8/20/2008	STEWARD EC	INDOXACARB	A	4.1	GA	75	8S15E36	INSECTICIDE
ALFALFA	8/20/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	1.84	GA	39.17	9S14E7	INSECTICIDE
ALFALFA	8/20/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	4.69	GA	75	8S15E36	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	7.92	GA	156	9S15E8	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	6.36	GA	115	9S14E11	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	3.96	GA	78	9S15E17	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	2.29	GA	45	9S15E6	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	2.34	GA	46	9S15E6	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	3	GA	59	9S15E11	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	2.8	GA	55	9S15E11	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	3.87	GA	76	9S15E11	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	3.51	GA	69	9S15E11	INSECTICIDE
ALFALFA	8/21/2008	STEWARD EC	INDOXACARB	A	4.06	GA	80	9S15E6	INSECTICIDE
N-OUTDOOR PLANT	8/21/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	1.9	GA	24.3	8S15E21	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	A	5.44	GA	107	9S14E16	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	A	3.72	GA	76	9S15E17	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	A	3.77	GA	77	9S15E17	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	A	3.86	GA	77	9S14E9	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	A	4.31	GA	78	9S14E12	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	G	4.81	GA	96	8S14E29	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	A	5.8	GA	114	9S14E16	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	A	5.49	GA	108	9S14E16	INSECTICIDE
ALMOND	8/22/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	11.25	GA	30	8S16E30	HERBICIDE
ALMOND	8/22/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	9.4	GA	25	8S16E30	HERBICIDE
ALMOND	8/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	18.75	GA	45	8S16E30	HERBICIDE
ALMOND	8/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10	GA	30	8S16E30	HERBICIDE
ALFALFA	8/22/2008	CHLORPYRIFOS 4E AG	CHLORPYRIFOS	G	2.5	GA	20	8S15E29	INSECTICIDE
N-OUTDOOR PLANT	8/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.3	GA	55	8S15E15	INSECTICIDE
ALFALFA	8/23/2008	STEWARD EC	INDOXACARB	A	4.11	GA	81	9S15E17	INSECTICIDE
ALFALFA	8/23/2008	STEWARD EC	INDOXACARB	A	2.49	GA	49	9S15E7	INSECTICIDE
ALFALFA	8/23/2008	STEWARD EC	INDOXACARB	A	3.96	GA	79	9S14E2	INSECTICIDE
ALFALFA	8/23/2008	STEWARD EC	INDOXACARB	A	7.37	GA	147	9S14E3	INSECTICIDE
ALFALFA	8/23/2008	STEWARD EC	INDOXACARB	A	7.27	GA	148	9S15E13	INSECTICIDE
ALFALFA	8/23/2008	STEWARD EC	INDOXACARB	A	5.33	GA	105	9S15E6	INSECTICIDE
PEPPER FRUITING	8/23/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	3.7	LBS	17	8S15E33	INSECTICIDE
TOMATO	8/23/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	3.33	LBS	15.7	8S14E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/23/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	7.45	GA	39.73	9S14E17	INSECTICIDE
TOMATO	8/23/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	12.02	LBS	15.7	8S14E36	FUNGICIDE
CORN FOR/FOD	8/23/2008	WHIRLWIND	CHLORPYRIFOS	A	19.98	GA	108	8S14E32	INSECTICIDE
ALFALFA	8/24/2008	STEWARD EC	INDOXACARB	A	3.83	GA	73.2	8S14E21	INSECTICIDE
ALFALFA	8/24/2008	STEWARD EC	INDOXACARB	A	2.56	GA	49	9S13E1	INSECTICIDE
ALFALFA	8/24/2008	STEWARD EC	INDOXACARB	A	6	GA	96	8S15E32	INSECTICIDE
CORN FOR/FOD	8/24/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	4.46	GA	67.2	8S14E28	INSECTICIDE
ALFALFA	8/24/2008	NUFOS 4E	CHLORPYRIFOS	A	7.5	GA	40	8S15E29	INSECTICIDE
ALFALFA	8/24/2008	MALATHION 8EC	MALATHION	A	9.19	GA	49	9S13E1	INSECTICIDE
ALFALFA	8/24/2008	MALATHION 8EC	MALATHION	A	13.73	GA	73.2	8S14E21	INSECTICIDE
PISTACHIO	8/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.09	GA	40	9S15E15	INSECTICIDE
PISTACHIO	8/24/2008	PERMETHRIN 3.2 AG	PERMETHRIN	G	8	GA	80	9S15E15	INSECTICIDE
TOMATO	8/25/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	8.8	LBS	47	8S15E21	INSECTICIDE
ALMOND	8/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	4.6	GA	12.2	8S15E15	HERBICIDE
ALMOND	8/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	13.75	GA	76	8S15E13	HERBICIDE
WALNUT	8/26/2008	CLINCH ANT BAIT	ABAMECTIN	G	20	LBS	20	8S15E15	INSECTICIDE
ALMOND	8/26/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.25	GA	22	8S15E15	HERBICIDE
CORN FOR/FOD	8/26/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	5.98	GA	90	9S14E11	INSECTICIDE
PISTACHIO	8/26/2008	PERMETHRIN 3.2 AG	PERMETHRIN	G	14.9	GA	149	9S15E16	INSECTICIDE
PISTACHIO	8/26/2008	PERMETHRIN 3.2 AG	PERMETHRIN	G	16.5	GA	165	9S15E16	INSECTICIDE
PISTACHIO	8/26/2008	PERMETHRIN 3.2 AG	PERMETHRIN	G	4	GA	40	9S15E16	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	3.84	GA	79	9S14E12	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	4.33	GA	80	8S14E30	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	7.53	GA	155	9S15E18	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	8.27	GA	153	9S14E3	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	3.62	GA	67	8S14E31	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	5.12	GA	100	9S15E4	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	4.05	GA	75	9S14E2	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	2.22	GA	41	9S14E3	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	3.74	GA	77	9S14E11	INSECTICIDE
TOMATO	8/27/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	26.25	LBS	140	8S15E36	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	0.49	GA	9.5	9S15E5	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	1.13	GA	22.1	9S15E5	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	4.09	GA	80	9S15E4	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	1.18	GA	23	9S15E5	INSECTICIDE
ALMOND	8/27/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	13.88	GA	37	8S15E15	HERBICIDE
CORN FOR/FOD	8/27/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	6.77	GA	102	9S14E12	INSECTICIDE
PISTACHIO	8/27/2008	PERMETHRIN 3.2 AG	PERMETHRIN	G	4	GA	40	9S15E15	INSECTICIDE
PISTACHIO	8/27/2008	PERMETHRIN 3.2 AG	PERMETHRIN	G	5.6	GA	56	9S15E15	INSECTICIDE
ALFALFA	8/28/2008	STEWARD EC	INDOXACARB	A	7.5	GA	155	9S15E7	INSECTICIDE
TOMATO	8/28/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	14.25	LBS	65	8S15E36	INSECTICIDE



## Dry Creek @ Rd 18

### Pesticide Use Reports for metal exceedances in the water column

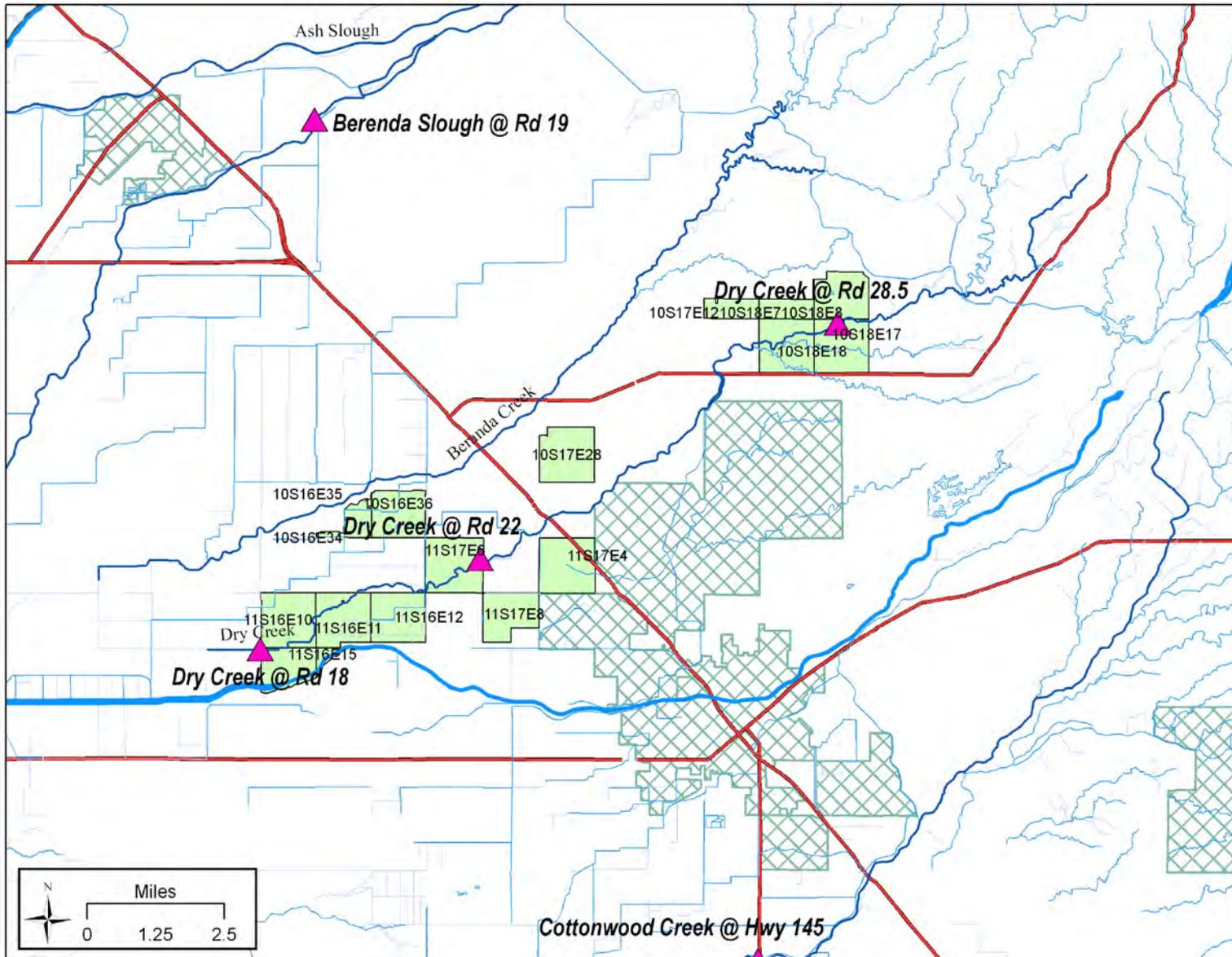
#### Irrigation 1 (4/29/08) - copper exceedance.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/11/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	287.5	LB	115	11S16E10	FUNGICIDE
ALMOND	2/12/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	287.5	LB	115	11S16E16	FUNGICIDE
ALMOND	2/13/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	387.5	LB	155	11S16E16	FUNGICIDE
ALMOND	2/14/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	400	LB	160	11S16E15	FUNGICIDE
N-GRNHS FLOWER	2/14/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	120	OZ	1.5	10S16E36	FUNGICIDE
N-GRNHS FLOWER	2/14/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	120	OZ	1.5	10S16E36	INSECTICIDE
N-GRNHS FLOWER	2/14/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	120	OZ	1.5	10S16E36	HERBICIDE
ALMOND	2/15/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	87.5	LB	35	11S16E15	FUNGICIDE
ALMOND	2/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	19.5	10S16E35	FUNGICIDE
N-GRNHS FLOWER	2/20/2008	PRESCRIPTION TREATMENT BRAND CAMELOT FUN	COPPER SALTS OF FATTY AND ROSIN ACIDS	G	16	OZ	1	10S16E36	FUNGICIDE
N-GRNHS FLOWER	2/21/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	22.5	OZ	0.7	10S16E36	FUNGICIDE
N-GRNHS FLOWER	2/21/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	22.5	OZ	0.7	10S16E36	INSECTICIDE
N-GRNHS FLOWER	2/21/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	22.5	OZ	0.7	10S16E36	HERBICIDE
N-GRNHS FLOWER	2/29/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	0.08	10S16E36	HERBICIDE
N-GRNHS FLOWER	2/29/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	0.08	10S16E36	INSECTICIDE
N-GRNHS FLOWER	2/29/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	0.08	10S16E36	FUNGICIDE
ALMOND	3/6/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	10	QT	10	10S17E28	FUNGICIDE
N-GRNHS FLOWER	3/12/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	67.5	OZ	2.1	10S16E36	FUNGICIDE
N-GRNHS FLOWER	3/12/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	67.5	OZ	2.1	10S16E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-GRNHS FLOWER	3/12/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	67.5	OZ	2.1	10S16E36	HERBICIDE
N-GRNHS FLOWER	3/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	FUNGICIDE
N-GRNHS FLOWER	3/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	INSECTICIDE
N-GRNHS FLOWER	3/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	HERBICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	58.5	LB	39	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	52.5	LB	35	10S17E28	FUNGICIDE
GRAPE	3/27/2008	KOCIDE 2000	COPPER HYDROXIDE	G	30	LB	16	10S16E34	FUNGICIDE
WINE GRAPES	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	29	LB	29	11S16E11	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	39.5	LB	39.5	11S16E10	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	77	LB	77	11S16E15	FUNGICIDE
WINE GRAPES	4/2/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	45	11S16E15	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	94	LB	94	11S17E4	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	11S16E14	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S17E8	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	135	LB	90	11S17E8	FUNGICIDE
WINE GRAPES	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	11.1	LB	15	11S17E6	FUNGICIDE
GRAPE, RAISIN	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	28.86	LB	39	11S17E6	FUNGICIDE
WINE GRAPES	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	11S17E8	FUNGICIDE
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	FUNGICIDE
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	INSECTICIDE
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	HERBICIDE
WINE GRAPES	4/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	49.5	LB	33	11S17E8	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	28.58	GA	114.3	10S17E12	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	50	11S17E8	FUNGICIDE
WINE GRAPES	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LB	80	11S17E8	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/10/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	135	LB	90	11S17E8	FUNGICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	FUNGICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	INSECTICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	HERBICIDE
GRAPE	4/13/2008	KOCIDE 2000	COPPER HYDROXIDE	G	15	LB	16	10S16E34	FUNGICIDE
WINE GRAPES	4/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	27	LB	18	11S16E12	FUNGICIDE
GRAPE, RAISIN	4/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S16E12	FUNGICIDE
GRAPE, RAISIN	4/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	52.5	LB	35	11S16E12	FUNGICIDE
WINE GRAPES	4/15/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	32	LB	32	10S16E36	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75.93	GA	303.7	10S18E8	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	52.53	GA	209.4	10S18E18	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	78.16	GA	312.64	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	77.58	GA	310.3	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	11.75	GA	47	10S18E17	FUNGICIDE
WINE GRAPES	4/23/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	3.75	GA	15	10S16E35	FUNGICIDE

Figure 17. Location of copper use for Dry Creek @ Rd 18 – Irrigation 1

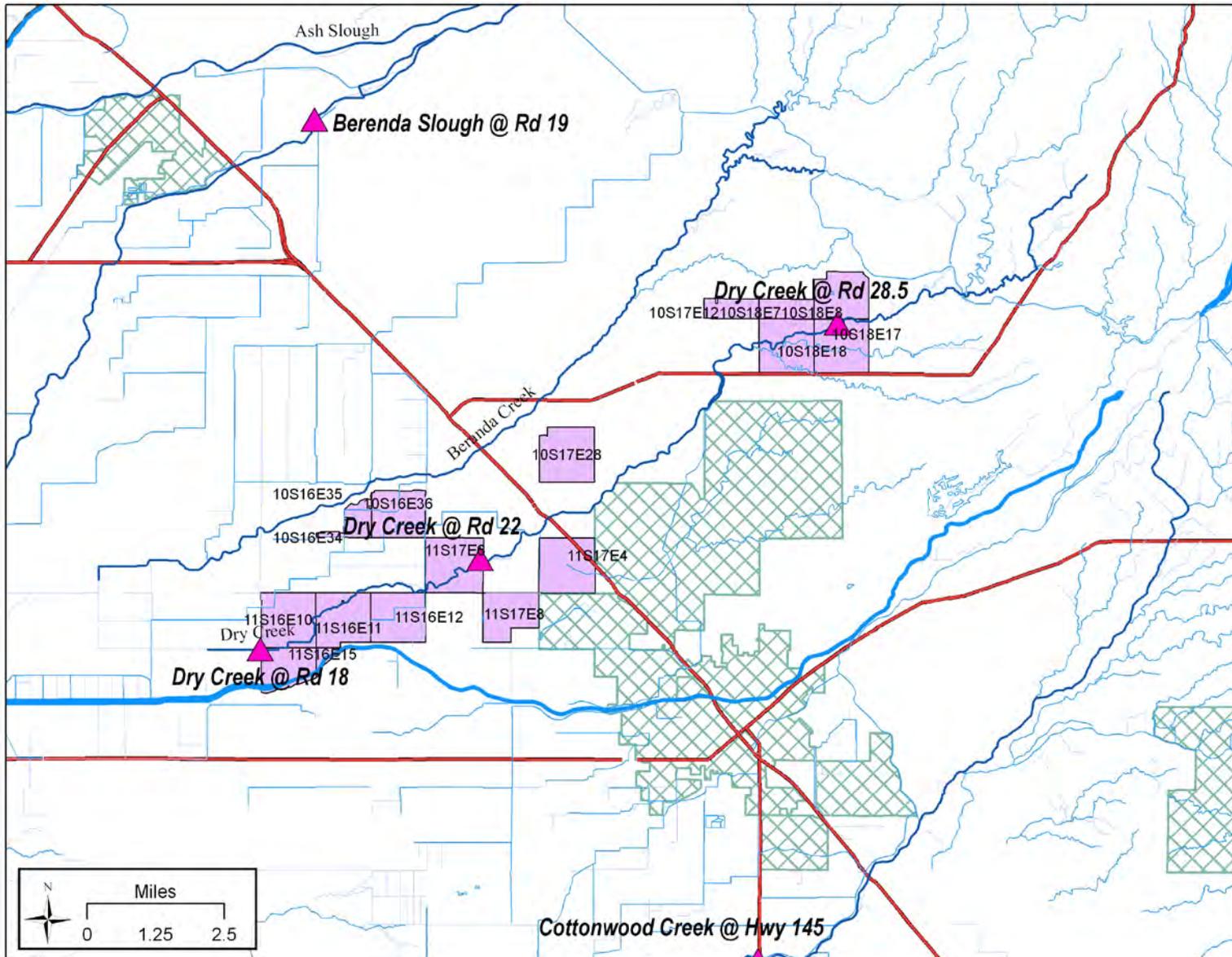


**Irrigation 2 (5/27/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/6/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	10	QT	10	10S17E28	FUNGICIDE
N-GRNHS FLOWER	3/12/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	67.5	OZ	2.1	10S16E36	FUNGICIDE
N-GRNHS FLOWER	3/12/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	67.5	OZ	2.1	10S16E36	INSECTICIDE
N-GRNHS FLOWER	3/12/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	67.5	OZ	2.1	10S16E36	HERBICIDE
N-GRNHS FLOWER	3/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	FUNGICIDE
N-GRNHS FLOWER	3/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	INSECTICIDE
N-GRNHS FLOWER	3/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	HERBICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	58.5	LB	39	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	52.5	LB	35	10S17E28	FUNGICIDE
GRAPE	3/27/2008	KOCIDE 2000	COPPER HYDROXIDE	G	30	LB	16	10S16E34	FUNGICIDE
WINE GRAPES	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	29	LB	29	11S16E11	FUNGICIDE
GRAPE, RAISIN	3/28/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	39.5	LB	39.5	11S16E10	FUNGICIDE
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	77	LB	77	11S16E15	FUNGICIDE
WINE GRAPES	4/2/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	45	11S16E15	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	94	LB	94	11S17E4	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	11S16E14	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S17E8	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	135	LB	90	11S17E8	FUNGICIDE
WINE GRAPES	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	11.1	LB	15	11S17E6	FUNGICIDE
GRAPE, RAISIN	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	28.86	LB	39	11S17E6	FUNGICIDE
WINE GRAPES	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	11S17E8	FUNGICIDE
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	FUNGICIDE
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	HERBICIDE
WINE GRAPES	4/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	49.5	LB	33	11S17E8	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	28.58	GA	114.3	10S17E12	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	50	11S17E8	FUNGICIDE
WINE GRAPES	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LB	80	11S17E8	FUNGICIDE
WINE GRAPES	4/10/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	135	LB	90	11S17E8	FUNGICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	FUNGICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	INSECTICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	HERBICIDE
GRAPE	4/13/2008	KOCIDE 2000	COPPER HYDROXIDE	G	15	LB	16	10S16E34	FUNGICIDE
WINE GRAPES	4/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	27	LB	18	11S16E12	FUNGICIDE
GRAPE, RAISIN	4/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S16E12	FUNGICIDE
GRAPE, RAISIN	4/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	52.5	LB	35	11S16E12	FUNGICIDE
WINE GRAPES	4/15/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	32	LB	32	10S16E36	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75.93	GA	303.7	10S18E8	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	52.53	GA	209.4	10S18E18	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	78.16	GA	312.64	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	77.58	GA	310.3	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	11.75	GA	47	10S18E17	FUNGICIDE
WINE GRAPES	4/23/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	3.75	GA	15	10S16E35	FUNGICIDE

Figure 18. Location of copper use for Dry Creek @ Rd 18 – Irrigation 2

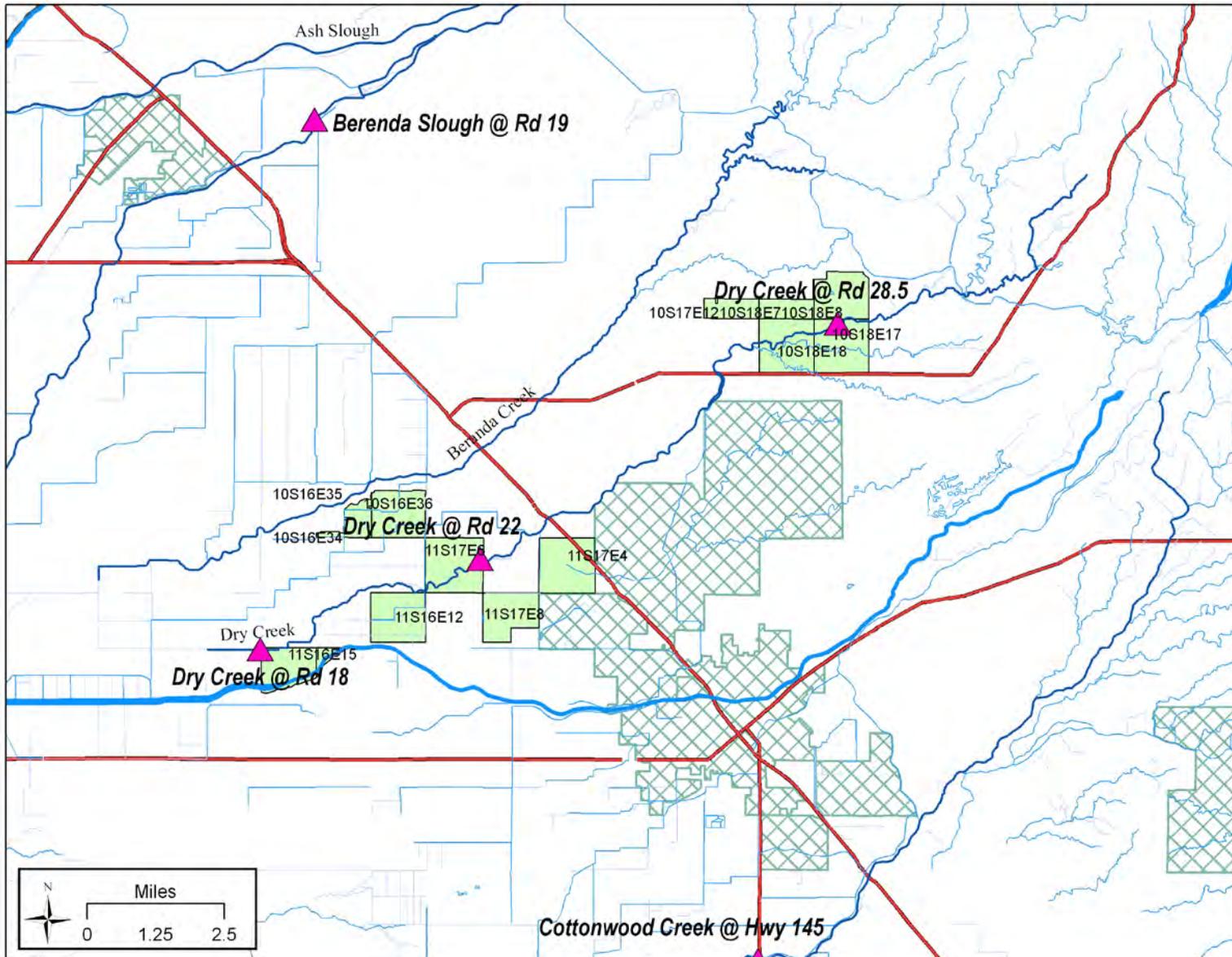


**Irrigation 3 (6/24/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	77	LB	77	11S16E15	FUNGICIDE
WINE GRAPES	4/2/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	45	11S16E15	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	94	LB	94	11S17E4	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	75	11S16E14	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S17E8	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	135	LB	90	11S17E8	FUNGICIDE
WINE GRAPES	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	11.1	LB	15	11S17E6	FUNGICIDE
GRAPE, RAISIN	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	28.86	LB	39	11S17E6	FUNGICIDE
WINE GRAPES	4/4/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	11S17E8	FUNGICIDE
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	FUNGICIDE
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	INSECTICIDE
N-GRNHS FLOWER	4/4/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	192	OZ	0.24	10S16E36	HERBICIDE
WINE GRAPES	4/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	49.5	LB	33	11S17E8	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	28.58	GA	114.3	10S17E12	FUNGICIDE
WINE GRAPES	4/8/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LB	50	11S17E8	FUNGICIDE
WINE GRAPES	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LB	80	11S17E8	FUNGICIDE
WINE GRAPES	4/10/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	135	LB	90	11S17E8	FUNGICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	FUNGICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	INSECTICIDE
N-GRNHS FLOWER	4/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	60	OZ	1.8	10S16E36	HERBICIDE
GRAPE	4/13/2008	KOCIDE 2000	COPPER HYDROXIDE	G	15	LB	16	10S16E34	FUNGICIDE
WINE GRAPES	4/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	27	LB	18	11S16E12	FUNGICIDE
GRAPE, RAISIN	4/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	45	LB	30	11S16E12	FUNGICIDE
GRAPE, RAISIN	4/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	52.5	LB	35	11S16E12	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/15/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	32	LB	32	10S16E36	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75.93	GA	303.7	10S18E8	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	52.53	GA	209.4	10S18E18	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	78.16	GA	312.64	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	77.58	GA	310.3	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	11.75	GA	47	10S18E17	FUNGICIDE
WINE GRAPES	4/23/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	3.75	GA	15	10S16E35	FUNGICIDE
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	FUNGICIDE
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	INSECTICIDE
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	HERBICIDE

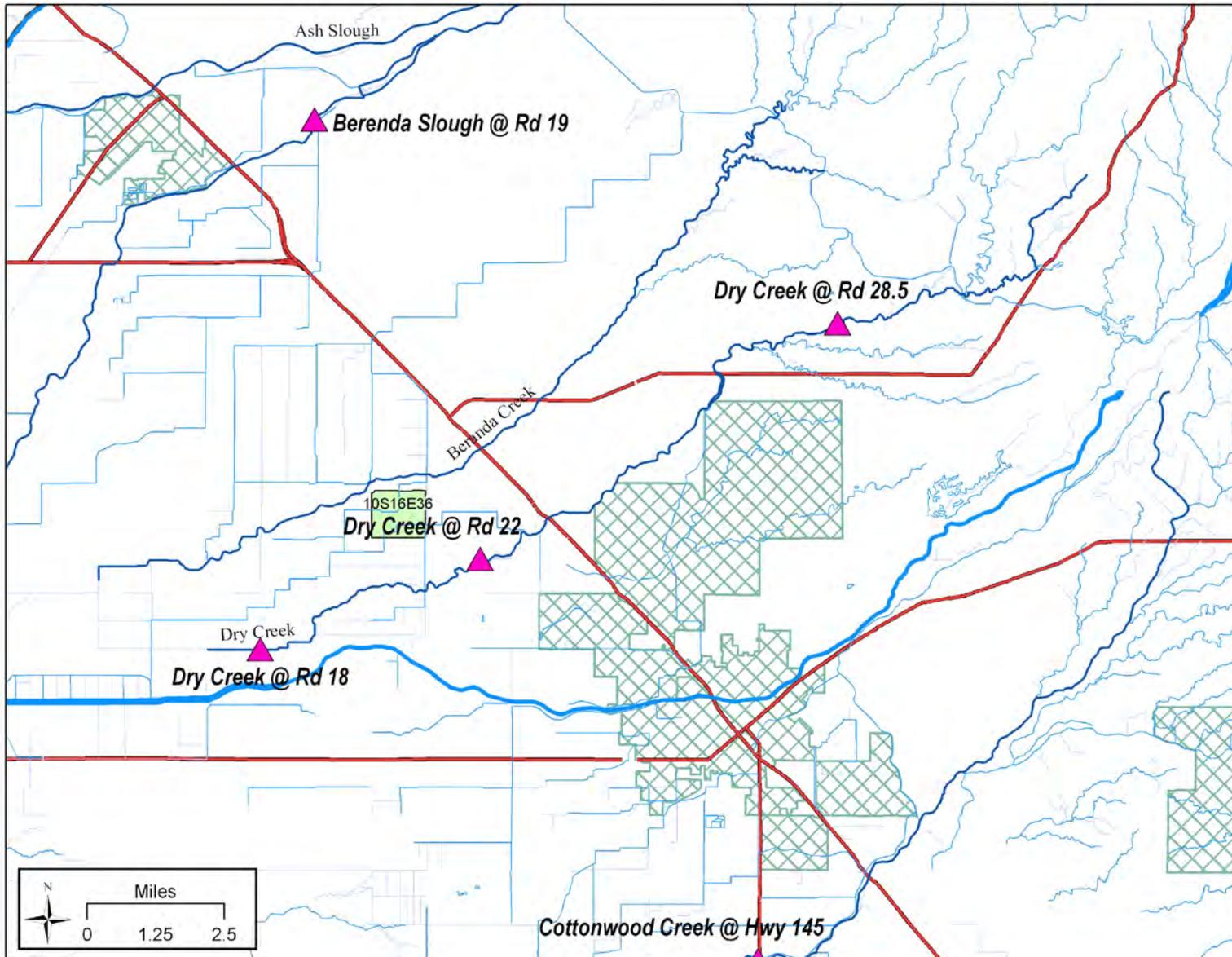
Figure 19. Location of copper use for Dry Creek @ Rd 18 – Irrigation 3



**Irrigation 4 (7/29/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	FUNGICIDE
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	INSECTICIDE
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	HERBICIDE
N-GRNHS FLOWER	6/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	FUNGICIDE
N-GRNHS FLOWER	6/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	INSECTICIDE
N-GRNHS FLOWER	6/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	HERBICIDE

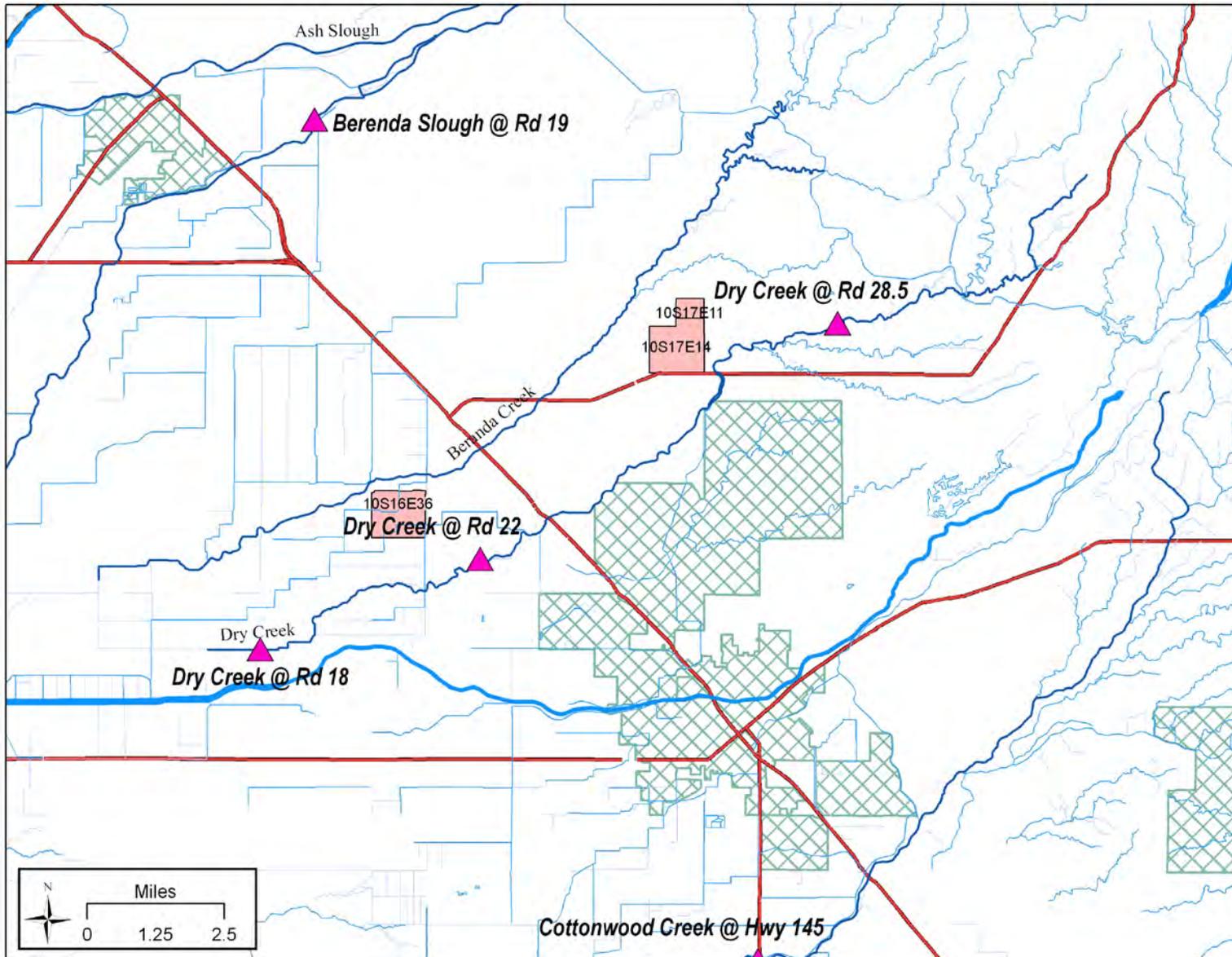
Figure 20. Location of copper use for Dry Creek @ Rd 18 – Irrigation 4



**Irrigation 5 (8/26/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	FUNGICIDE
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	INSECTICIDE
N-GRNHS FLOWER	6/11/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	HERBICIDE
N-GRNHS FLOWER	6/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	FUNGICIDE
N-GRNHS FLOWER	6/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	INSECTICIDE
N-GRNHS FLOWER	6/26/2008	PHYTON-27 BACTERICIDE & FUNGICIDE	COPPER SULFATE (PENTAHYDRATE)	G	18.75	OZ	0.6	10S16E36	HERBICIDE
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	FUNGICIDE
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	INSECTICIDE
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	HERBICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	FUNGICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	INSECTICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	HERBICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	FUNGICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	INSECTICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	HERBICIDE

Figure 21. Location of copper use for Dry Creek @ Rd 18 – Irrigation 5



## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-GRNHS FLOWER	3/13/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	3.1	OZ	1.6	10S16E36	INSECTICIDE
N-GRNHS FLOWER	3/20/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	3.1	OZ	1.6	10S16E36	INSECTICIDE
N-GRNHS FLOWER	3/20/2008	DISCUS	CYFLUTHRIN	G	40	OZ	0.73	10S16E36	INSECTICIDE
N-GRNHS FLOWER	3/27/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	3	OZ	1.5	10S16E36	INSECTICIDE
N-GRNHS FLOWER	4/2/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	4.5	OZ	2.25	10S16E36	INSECTICIDE
N-GRNHS FLOWER	4/2/2008	DISCUS	CYFLUTHRIN	G	12.5	OZ	2.25	10S16E36	INSECTICIDE
PISTACHIO	4/8/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	0.36	GA	228	10S18E20	INSECTICIDE
PISTACHIO	4/9/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	0.59	GA	40	10S18E20	INSECTICIDE
PISTACHIO	4/10/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	59	GA	40	10S18E21	INSECTICIDE
N-GRNHS FLOWER	4/12/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	7.1	OZ	3.6	10S16E36	INSECTICIDE
PISTACHIO	4/13/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	200	OZ	20	10S18E21	INSECTICIDE
PISTACHIO	4/13/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	400	OZ	40	10S17E24	INSECTICIDE
PISTACHIO	4/14/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	450	OZ	45	10S17E27	INSECTICIDE
N-GRNHS FLOWER	4/17/2008	DISCUS	CYFLUTHRIN	G	200	OZ	2	10S16E36	INSECTICIDE
PISTACHIO	4/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	625.01	OZ	122.55	11S17E5	INSECTICIDE
ALMOND	4/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	625.01	OZ	122.55	11S17E5	INSECTICIDE
PISTACHIO	4/23/2008	PERMETHRIN 3.2EC TENKOZ	PERMETHRIN	G	3.28	GA	35	10S17E24	INSECTICIDE
N-GRNHS FLOWER	4/23/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	3	OZ	1.5	10S16E36	INSECTICIDE
PISTACHIO	4/24/2008	PERMETHRIN 3.2EC TENKOZ	PERMETHRIN	G	3.75	GA	40	10S17E24	INSECTICIDE
PISTACHIO	4/24/2008	PERMETHRIN 3.2EC TENKOZ	PERMETHRIN	G	2.16	GA	23	10S17E24	INSECTICIDE
PISTACHIO	4/24/2008	PERMETHRIN 3.2EC TENKOZ	PERMETHRIN	G	1.88	GA	20	10S18E18	INSECTICIDE
PISTACHIO	4/25/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3	GA	40	10S18E21	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PISTACHIO	4/25/2008	PERMETHRIN 3.2EC TENKOZ	PERMETHRIN	G	1.88	GA	20	10S18E19	INSECTICIDE
PISTACHIO	4/25/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3	GA	40	10S18E19	INSECTICIDE
PISTACHIO	4/25/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3	GA	40	10S17E24	INSECTICIDE
PISTACHIO	4/25/2008	PERMETHRIN 3.2EC TENKOZ	PERMETHRIN	G	1.88	GA	20	10S18E18	INSECTICIDE
PISTACHIO	4/26/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	6	GA	80	10S17E11	INSECTICIDE
PISTACHIO	4/26/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3	GA	40	10S17E11	INSECTICIDE
PISTACHIO	4/30/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	800	OZ	100	10S17E26	INSECTICIDE
N-GRNHS FLOWER	6/5/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	4	OZ	2	10S16E36	INSECTICIDE
PISTACHIO	6/14/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3.25	GA	40	10S17E11	INSECTICIDE
N-GRNHS FLOWER	6/14/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	10	OZ	5	10S16E36	INSECTICIDE
PISTACHIO	6/14/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3.25	GA	40	10S17E11	INSECTICIDE
PISTACHIO	6/14/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3.25	GA	40	10S17E11	INSECTICIDE
PISTACHIO	6/14/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3.25	GA	40	10S17E11	INSECTICIDE
PISTACHIO	6/14/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1.25	GA	13	10S17E11	INSECTICIDE
PISTACHIO	6/14/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	12.5	GA	160	10S17E11	INSECTICIDE
PISTACHIO	6/16/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	10	PT	10	10S18E28	INSECTICIDE
PISTACHIO	6/16/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	5	GA	40	10S18E19	INSECTICIDE
PISTACHIO	6/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	6	GA	40	10S18E19	INSECTICIDE
PISTACHIO	6/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	6	GA	40	10S17E11	INSECTICIDE
PISTACHIO	6/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	12	GA	80	10S17E11	INSECTICIDE
PISTACHIO	6/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	12	GA	80	10S17E11	INSECTICIDE
PISTACHIO	6/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	5.25	GA	35	10S17E24	INSECTICIDE
PISTACHIO	6/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	6	GA	40	10S17E24	INSECTICIDE
N-GRNHS FLOWER	6/18/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	5	OZ	2.5	10S16E36	INSECTICIDE
N-GRNHS FLOWER	6/25/2008	DISCUS	CYFLUTHRIN	G	25	OZ	0.5	10S16E36	INSECTICIDE
N-GRNHS FLOWER	6/26/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	7	OZ	3.5	10S16E36	INSECTICIDE
ALMOND	7/2/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	12	LBS	12	11S16E4	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	928	OZ	72.5	11S17E5	INSECTICIDE
ALMOND	7/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1152	OZ	90	11S17E5	INSECTICIDE
ALMOND	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	977.3	OZ	72.5	11S17E5	INSECTICIDE
ALMOND	7/7/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	181	LBS	200	10S18E23	INSECTICIDE
ALMOND	7/7/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	36.5	LBS	40	11S16E9	INSECTICIDE
ALMOND	7/7/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	18.5	LBS	20	11S16E9	INSECTICIDE
ALMOND	7/9/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	12	LBS	12	11S16E4	INSECTICIDE
PISTACHIO	7/12/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	26	10S17E11	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	18	LBS	18	11S16E4	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	9	LBS	18	11S16E4	INSECTICIDE
ALMOND	7/19/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	37	LBS	37	11S16E4	INSECTICIDE
PISTACHIO	7/19/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	5	GA	60	10S17E21	INSECTICIDE
ALMOND	7/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	320	OZ	80	10S17E22	INSECTICIDE
ALMOND	7/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	10S17E22	INSECTICIDE
ALMOND	7/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	148	OZ	37	10S16E36	INSECTICIDE
ALMOND	7/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	200	OZ	50	10S17E22	INSECTICIDE
ALMOND	7/25/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	55	LBS	55	10S17E35	INSECTICIDE
ALMOND	7/30/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	22.4	LBS	22.4	10S17E34	INSECTICIDE
ALMOND	7/31/2008	ONAGER MITICIDE	HEXYTHIAZOX	G	1286.4	OZ	67	10S17E32	MITICIDE
ALMOND	7/31/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	3	GA	15	10S17E31	HERBICIDE
PISTACHIO	7/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	80	10S17E29	FUNGICIDE
PISTACHIO	7/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	80	10S17E29	HERBICIDE
PISTACHIO	7/31/2008	GOAL 2XL	OXYFLUORFEN	G	2.5	GA	80	10S17E29	HERBICIDE
OT-VINE	8/1/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	480	OZ	10	11S16E3	FUNGICIDE
OT-VINE	8/1/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	480	OZ	10	11S16E3	HERBICIDE
ALMOND	8/1/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	20	PT	5	11S16E4	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
FIG	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E23	FUNGICIDE
FIG	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E23	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	26	GA	58	11S16E2	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	26	GA	58	11S16E2	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S18E21	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S18E21	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S18E19	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S18E19	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E19	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E19	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.5	GA	40	10S18E19	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.5	GA	40	10S18E19	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E30	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E30	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E30	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E30	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E30	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E30	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E24	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E24	HERBICIDE
ALMOND	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E23	FUNGICIDE
ALMOND	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E23	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	140	10S17E15	FUNGICIDE
ALMOND	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	140	10S17E15	HERBICIDE
ALMOND	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32.5	GA	157	10S17E15	FUNGICIDE
ALMOND	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32.5	GA	157	10S17E15	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S17E24	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S17E24	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S17E24	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S17E24	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S17E24	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S17E24	FUNGICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E13	HERBICIDE
PISTACHIO	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E13	FUNGICIDE
FIG	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E25	HERBICIDE
FIG	8/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E25	FUNGICIDE
GRAPE WINE N-OUTDOOR PLANT	8/2/2008	ACTARA	THIAMETHOXAM	G	64.5	OZ	43	11S16E9	INSECTICIDE
	8/2/2008	GOWAN MALATHION 8	MALATHION	G	4	OZ	0.5	10S17E35	INSECTICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E21	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E21	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E21	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E21	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E21	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E21	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E21	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E21	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.5	GA	36	10S18E19	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.5	GA	36	10S18E19	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E19	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E19	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E30	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E30	HERBICIDE
ALMOND	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	140	10S17E15	FUNGICIDE
ALMOND	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	140	10S17E15	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E28	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E28	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E28	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	10S18E28	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	10S18E28	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E28	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E28	FUNGICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E28	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E28	HERBICIDE
PISTACHIO	8/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E28	FUNGICIDE
ALMOND	8/2/2008	AGRI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	3	GA	90	10S17E15	INSECTICIDE
ALFALFA	8/3/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	23.75	GA	95	11S16E10	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E24	FUNGICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E24	HERBICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E24	FUNGICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E24	HERBICIDE
ALMOND	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	37.5	GA	200	10S18E23	HERBICIDE
ALMOND	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E23	FUNGICIDE
ALMOND	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E23	HERBICIDE
ALMOND	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	37.5	GA	200	10S18E23	FUNGICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	20	10S18E14	FUNGICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	20	10S18E14	HERBICIDE
ALMOND	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	GA	20	11S16E9	FUNGICIDE
ALMOND	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	GA	20	11S16E9	HERBICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	20	10S18E26	HERBICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	20	10S18E26	FUNGICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	20	10S18E26	HERBICIDE
PISTACHIO	8/3/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	20	10S18E26	FUNGICIDE
PISTACHIO	8/4/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S18E25	FUNGICIDE
PISTACHIO	8/4/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S18E25	HERBICIDE
ALMOND	8/4/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	5	GA	60	11S18E4	HERBICIDE
ALMOND	8/4/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	60	11S18E4	FUNGICIDE
ALMOND	8/4/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	60	11S18E4	HERBICIDE
ALMOND	8/4/2008	GOAL 2XL	OXYFLUORFEN	G	0.625	GA	60	11S18E4	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	280	OZ	20	10S17E26	INSECTICIDE
OT-VINE	8/5/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	10	11S16E3	HERBICIDE
OT-VINE	8/5/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	10	11S16E3	FUNGICIDE
PISTACHIO	8/5/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E23	FUNGICIDE
PISTACHIO	8/5/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E23	HERBICIDE
PISTACHIO	8/5/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E23	HERBICIDE
PISTACHIO	8/5/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E23	FUNGICIDE
ALMOND	8/5/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	140	10S17E15	FUNGICIDE
ALMOND	8/5/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	140	10S17E15	HERBICIDE
ALMOND	8/5/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	82.11	PT	51.32	11S16E11	FUNGICIDE
ALMOND	8/5/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	82.11	PT	51.32	11S16E11	HERBICIDE
N-OUTDOOR PLANT	8/6/2008	GOWAN MALATHION 8	MALATHION	G	8	OZ	1	10S17E12	INSECTICIDE
N-OUTDOOR PLANT	8/6/2008	GOWAN MALATHION 8	MALATHION	G	0.4	OZ	0.5	10S17E35	INSECTICIDE
PISTACHIO	8/6/2008	ABOUND FLOWABLE FUNGICIDE	AZOXYSTROBIN	G	2	GA	20	10S18E28	FUNGICIDE
PISTACHIO	8/6/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	2	GA	20	10S18E28	INSECTICIDE
ALMOND	8/6/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	62	11S17E6	FUNGICIDE
ALMOND	8/6/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	62	11S17E6	HERBICIDE
SOIL FUMI/PREPLANT	8/6/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34	PT	17	10S16E35	HERBICIDE
SOIL FUMI/PREPLANT	8/6/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34	PT	17	10S16E35	FUNGICIDE
SOIL FUMI/PREPLANT	8/6/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	PT	15	10S16E35	FUNGICIDE
SOIL FUMI/PREPLANT	8/6/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	PT	15	10S16E35	HERBICIDE
ALMOND	8/6/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E24	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/6/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E24	HERBICIDE
PISTACHIO	8/6/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E24	FUNGICIDE
PISTACHIO	8/6/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	40	10S18E24	HERBICIDE
POMEGRANATE	8/6/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	77	10S17E14	FUNGICIDE
POMEGRANATE	8/6/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	77	10S17E14	HERBICIDE
ALMOND	8/6/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	69.39	PT	43.37	11S16E12	FUNGICIDE
ALMOND	8/6/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	69.39	PT	43.37	11S16E12	HERBICIDE
N-GRNHS FLOWER	8/7/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	6	OZ	3	10S16E36	INSECTICIDE
N-GRNHS FLOWER	8/7/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PIPERONYL BUTOXIDE	G	6	OZ	3	10S16E36	INSECTICIDE
ALMOND	8/7/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	64	PT	32	10S16E35	FUNGICIDE
ALMOND	8/7/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	64	PT	32	10S16E35	HERBICIDE
PISTACHIO	8/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E24	FUNGICIDE
PISTACHIO	8/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E24	HERBICIDE
ALMOND	8/8/2008	CLINCH ANT BAIT	ABAMECTIN	G	62	LBS	62	11S17E6	INSECTICIDE
ALFALFA	8/8/2008	LORSBAN-4E	CHLORPYRIFOS	G	3.13	GA	25	11S16E12	INSECTICIDE
ALFALFA	8/8/2008	LORSBAN-4E	CHLORPYRIFOS	G	9.38	GA	75	11S16E12	INSECTICIDE
ALFALFA	8/8/2008	LORSBAN-4E	CHLORPYRIFOS	G	3.25	GA	26	11S16E12	INSECTICIDE
ALMOND	8/8/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	54	PT	27	10S16E35	FUNGICIDE
ALMOND	8/8/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	54	PT	27	10S16E35	HERBICIDE
ALMOND	8/8/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	PT	15	10S16E35	FUNGICIDE
ALMOND	8/8/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	PT	15	10S16E35	HERBICIDE
ALMOND	8/8/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E24	HERBICIDE
ALMOND	8/8/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E24	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/9/2008	OMITE-6E	PROPARGITE	G	14.6	PT	3.65	11S16E1	INSECTICIDE
ALMOND	8/9/2008	OMITE-30W	PROPARGITE	G	148	LBS	37	10S17E31	INSECTICIDE
ALMOND	8/9/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	15	GA	40	11S18E4	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E20	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S18E19	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S18E19	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E19	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E19	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E19	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	36	10S18E19	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E19	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E19	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E19	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E19	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E20	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E19	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	36	10S18E19	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E20	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E20	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E20	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	10S18E20	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	20	10S18E30	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	20	10S18E30	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	20	10S18E30	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	20	10S18E30	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E29	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E29	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E29	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	40	10S18E29	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	40	10S18E30	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	40	10S18E30	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	4	10S17E28	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	4	10S17E28	HERBICIDE
ALMOND	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	90	10S17E15	FUNGICIDE
ALMOND	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	90	10S17E15	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E28	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	10S18E28	HERBICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E28	FUNGICIDE
PISTACHIO	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E28	HERBICIDE
ALMOND	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	GA	53	10S16E34	FUNGICIDE
ALMOND	8/9/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	GA	53	10S16E34	HERBICIDE
ALMOND	8/9/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	124.8	PT	78	11S16E16	HERBICIDE
ALMOND	8/9/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	124.8	PT	78	11S16E16	FUNGICIDE
ALMOND	8/10/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	4.83	GA	20	11S18E6	HERBICIDE

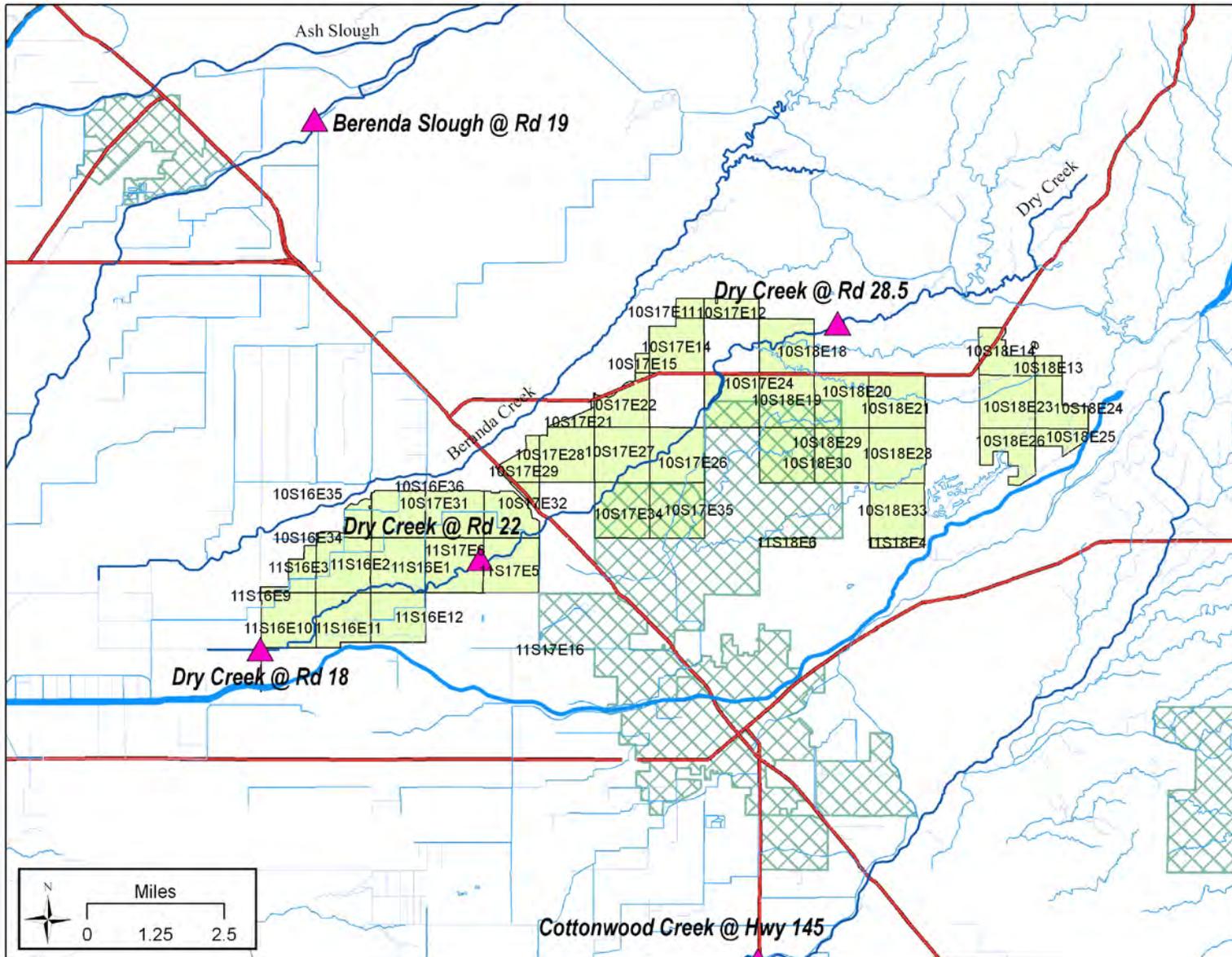
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-GRNHS FLOWER	8/11/2008	MAVRIK AQUAFLOW INSECTICIDE/MITICIDE	TAU-FLUVALINATE	G	4.8	OZ	0.3	10S16E36	INSECTICIDE
N-GRNHS FLOWER	8/11/2008	TALUS INSECT GROWTH REGULATOR	BUPROFEZIN	G	6	OZ	0.23	10S16E36	INSECT GROWTH REGULATOR
PISTACHIO	8/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	40	10S18E30	FUNGICIDE
PISTACHIO	8/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	40	10S18E30	HERBICIDE
ALMOND	8/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32.5	GA	157	10S17E15	FUNGICIDE
ALMOND	8/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32.5	GA	157	10S17E15	HERBICIDE
ALMOND	8/12/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	24.17	GA	100	11S18E6	HERBICIDE
CORN FOR/FOD	8/12/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	4.51	GA	72.1	11S17E16	INSECTICIDE
ALMOND	8/12/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	201	PT	67	10S17E32	HERBICIDE
PISTACHIO	8/12/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	35	GA	35	11S17E6	FUNGICIDE
PISTACHIO	8/12/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	35	GA	35	11S17E6	HERBICIDE
PISTACHIO	8/12/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E28	FUNGICIDE
PISTACHIO	8/12/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E28	HERBICIDE
PISTACHIO	8/12/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E28	FUNGICIDE
PISTACHIO	8/12/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	10S18E28	HERBICIDE
N-GRNHS FLOWER	8/13/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PIPERONYL BUTOXIDE	G	2	OZ	1	10S16E36	INSECTICIDE
N-GRNHS FLOWER	8/13/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	2	OZ	1	10S16E36	INSECTICIDE
N-OUTDOOR PLANT	8/13/2008	VANGARD WG	CYPRODINIL	G	5	OZ	0.5	10S17E35	FUNGICIDE
N-OUTDOOR PLANT	8/13/2008	VANGARD WG	CYPRODINIL	G	5	OZ	1	10S17E12	FUNGICIDE
ALFALFA	8/13/2008	LORSBAN-4E	CHLORPYRIFOS	G	4.5	GA	36	11S16E12	INSECTICIDE
ALMOND	8/13/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	10	11S16E4	FUNGICIDE
ALMOND	8/13/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	10	11S16E4	HERBICIDE
N-GRNHS FLOWER	8/13/2008	ROUNDUP PRO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	51.2	OZ	0.8	10S16E36	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-GRNHS FLOWER	8/13/2008	ROUNDUP PRO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	51.2	OZ	0.8	10S16E36	HERBICIDE
PISTACHIO	8/13/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	55	GA	160	10S17E11	FUNGICIDE
PISTACHIO	8/13/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	55	GA	160	10S17E11	HERBICIDE
WALNUT	8/14/2008	LORSBAN-4E	CHLORPYRIFOS	G	5	GA	33	11S17E6	INSECTICIDE
PISTACHIO	8/14/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	13	10S17E11	FUNGICIDE
PISTACHIO	8/14/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	13	10S17E11	HERBICIDE
PISTACHIO	8/14/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	26	10S17E11	FUNGICIDE
PISTACHIO	8/14/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	26	10S17E11	HERBICIDE
WALNUT	8/15/2008	LORSBAN-4E	CHLORPYRIFOS	G	7.5	GA	39	10S16E36	INSECTICIDE
PISTACHIO	8/15/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	8.57	GA	30	10S17E11	HERBICIDE
PISTACHIO	8/15/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	8.57	GA	30	10S17E11	HERBICIDE
PISTACHIO	8/15/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2.86	GA	10	10S17E11	HERBICIDE
ALMOND	8/15/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	20	11S16E9	HERBICIDE
ALMOND	8/15/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	20	11S16E9	FUNGICIDE
PISTACHIO	8/16/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1152	OZ	39	10S16E34	HERBICIDE
PISTACHIO	8/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4.27	GA	57	10S17E21	INSECTICIDE
PISTACHIO	8/18/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	57	LBS	57	10S17E21	FUNGICIDE
PISTACHIO	8/18/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1.5	GA	40	10S18E28	INSECTICIDE
PISTACHIO	8/18/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	20	LBS	40	10S18E28	FUNGICIDE
PISTACHIO	8/19/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3	GA	40	10S18E19	INSECTICIDE
PISTACHIO	8/19/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	40	LBS	40	10S18E19	FUNGICIDE
PISTACHIO	8/19/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4.16	GA	55	10S17E27	INSECTICIDE
PISTACHIO	8/19/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	55.55	LBS	55	10S17E27	FUNGICIDE
PISTACHIO	8/19/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	2.06	GA	27.5	10S17E27	INSECTICIDE
PISTACHIO	8/19/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	27.5	LBS	27.5	10S17E27	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-OUTDOOR PLANT	8/19/2008	VANGARD WG	CYPRODINIL	G	8	OZ	1	10S17E12	FUNGICIDE
N-OUTDOOR PLANT	8/19/2008	VANGARD WG	CYPRODINIL	G	5	OZ	0.5	10S17E35	FUNGICIDE
ALMOND	8/19/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	13.88	GA	37	11S16E12	HERBICIDE
PISTACHIO	8/20/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	37.5	LBS	35	10S16E36	FUNGICIDE
PISTACHIO	8/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	2.81	GA	35	10S16E36	INSECTICIDE
PISTACHIO	8/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	2.75	GA	35	10S16E36	INSECTICIDE
PISTACHIO	8/20/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	36.75	LBS	35	10S16E36	FUNGICIDE
N-OUTDOOR PLANT	8/20/2008	GOWAN MALATHION 8	MALATHION	G	8	OZ	1	10S17E12	INSECTICIDE
FIG	8/20/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	27	GA	80	10S18E28	HERBICIDE
FIG	8/20/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	27	GA	80	10S18E33	HERBICIDE
ALMOND	8/20/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	31	GA	157	10S17E15	HERBICIDE
ALMOND	8/20/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	31	GA	157	10S17E15	FUNGICIDE
ALMOND	8/20/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S17E21	FUNGICIDE
ALMOND	8/20/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	10S17E21	HERBICIDE
PISTACHIO	8/21/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	240	OZ	20	10S18E21	FUNGICIDE
PISTACHIO	8/21/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	200	OZ	20	10S18E21	INSECTICIDE
PISTACHIO	8/21/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	480	OZ	40	10S17E24	FUNGICIDE
PISTACHIO	8/21/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	400	OZ	40	10S17E24	INSECTICIDE
PISTACHIO	8/21/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	42	LBS	45	10S17E31	FUNGICIDE
PISTACHIO	8/21/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3.15	GA	45	10S17E31	INSECTICIDE
ALMOND	8/21/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	400	OZ	20	10S17E22	INSECTICIDE
N-GRNHS FLOWER	8/21/2008	MEDALLION FUNGICIDE	FLUDIOXONIL	G	8	OZ	0.08	10S16E36	FUNGICIDE
PISTACHIO	8/21/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	13	10S17E11	FUNGICIDE
PISTACHIO	8/21/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	13	10S17E11	HERBICIDE
ALMOND	8/22/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	250	OZ	12.5	10S17E22	INSECTICIDE
ALMOND	8/22/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	200	OZ	10	10S17E22	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PISTACHIO	8/22/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.25	GA	39	10S17E11	HERBICIDE
PISTACHIO	8/22/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	13	10S17E11	FUNGICIDE
PISTACHIO	8/22/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.25	GA	13	10S17E11	HERBICIDE
PISTACHIO	8/22/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.25	GA	39	10S17E11	FUNGICIDE
PISTACHIO	8/22/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.25	GA	39	10S17E11	FUNGICIDE
PISTACHIO	8/22/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.25	GA	39	10S17E11	HERBICIDE
ALMOND	8/23/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	3.01	GA	15	10S17E31	HERBICIDE
ALMOND	8/23/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	2.61	GA	13	10S16E36	HERBICIDE
GRAPE RAISIN	8/24/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	GA	76	11S16E2	FUNGICIDE
GRAPE RAISIN	8/24/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	GA	76	11S16E2	HERBICIDE
PISTACHIO	8/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	228	PT	114	11S17E5	HERBICIDE
PISTACHIO	8/25/2008	GOAL 2XL	OXYFLUORFEN	G	75.24	OZ	114	11S17E5	HERBICIDE
N-OUTDOOR PLANT	8/27/2008	GOWAN MALATHION 8	MALATHION	G	4	OZ	0.5	10S17E35	INSECTICIDE
N-OUTDOOR PLANT	8/27/2008	GOWAN MALATHION 8	MALATHION	G	8	OZ	1	10S17E12	INSECTICIDE
N-GRNHS FLOWER	8/27/2008	AVID 0.15EC MITICIDE/INSECTICIDE	ABAMECTIN	G	24	OZ	3	10S16E36	INSECTICIDE
N-GRNHS FLOWER	8/27/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PIPERONYL BUTOXIDE	G	6	OZ	3	10S16E36	INSECTICIDE
N-GRNHS FLOWER	8/27/2008	PRESCRIPTION TREATMENT BRAND PYRETH-IT P	PYRETHRINS	G	6	OZ	3	10S16E36	INSECTICIDE
N-GRNHS FLOWER	8/27/2008	MAVRIK AQUAFLOW INSECTICIDE/MITICIDE	TAU-FLUVALINATE	G	24	OZ	3	10S16E36	INSECTICIDE
N-GRNHS FLOWER	8/27/2008	ROUNDUP PRO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	64	OZ	1	10S16E36	FUNGICIDE
N-GRNHS FLOWER	8/27/2008	ROUNDUP PRO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	64	OZ	1	10S16E36	HERBICIDE

Figure 22. Location of pesticide use for Dry Creek @ Rd 18 – Irrigation 5 SED



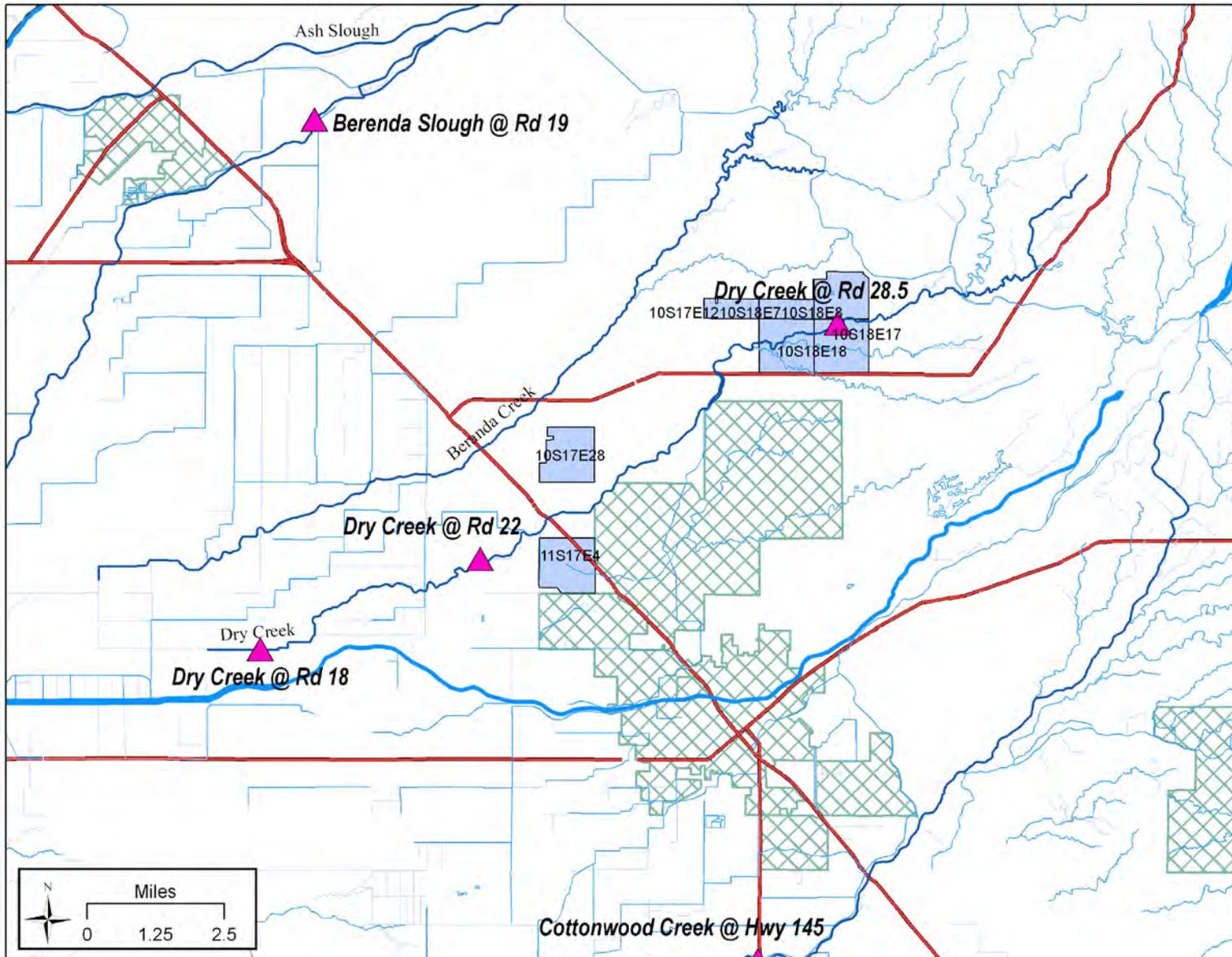
**Dry Creek @ Rd 22**

**Pesticide Use Reports for metal exceedances in the water column**

**Irrigation 1 MPM (4/29/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/6/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	10	QT	10	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	58.5	LB	39	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	52.5	LB	35	10S17E28	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	94	LB	94	11S17E4	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	28.58	GA	114.3	10S17E12	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	52.53	GA	209.4	10S18E18	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	78.16	GA	312.64	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75.93	GA	303.7	10S18E8	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	77.58	GA	310.3	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	11.75	GA	47	10S18E17	FUNGICIDE

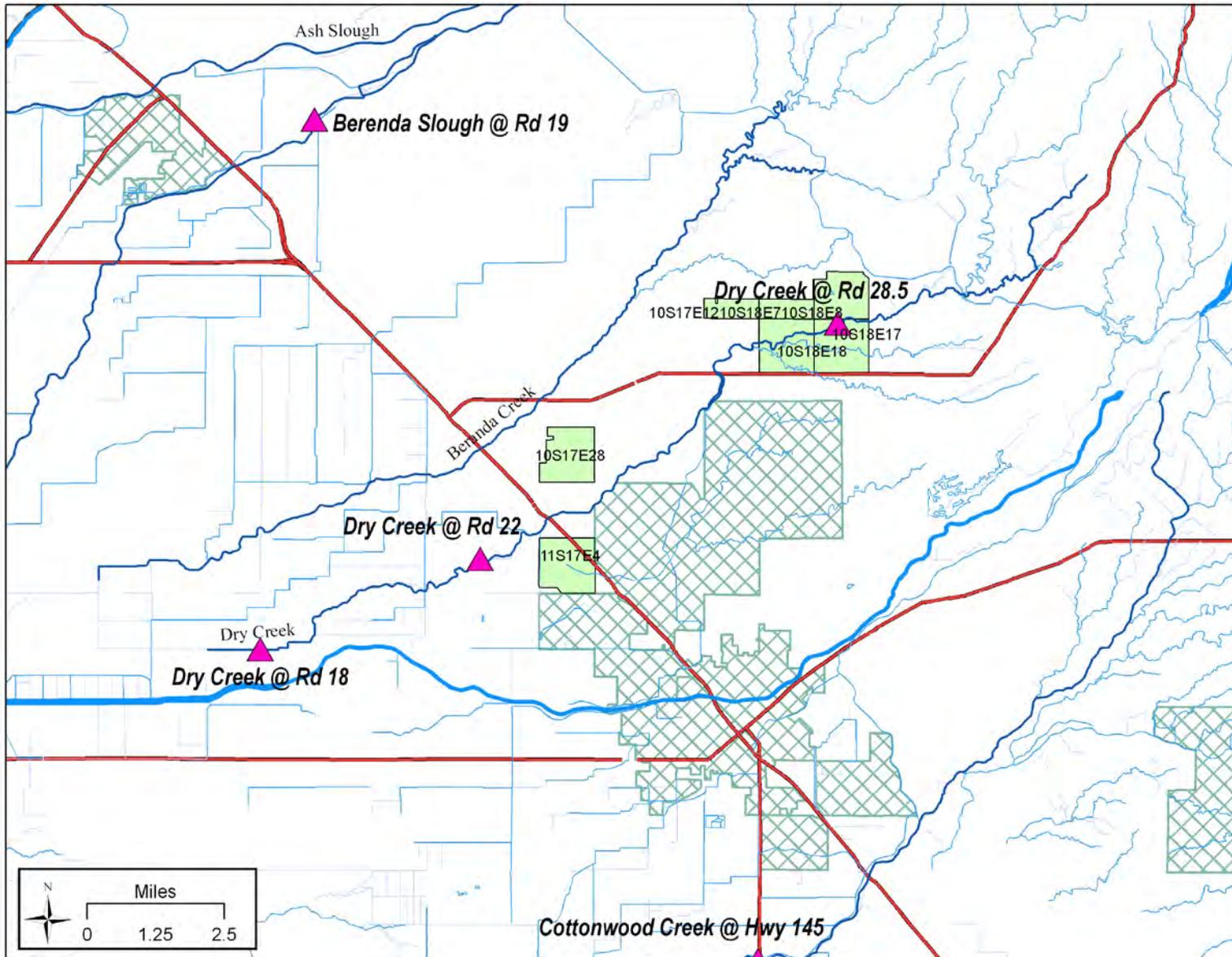
Figure 23. Location of copper use for Dry Creek @ Rd 22– Irrigation 1 MPM



**Irrigation 2 MPM (5/27/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/6/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	10	QT	10	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LB	20	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	58.5	LB	39	10S17E28	FUNGICIDE
GRAPE, RAISIN	3/27/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	52.5	LB	35	10S17E28	FUNGICIDE
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	94	LB	94	11S17E4	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	28.58	GA	114.3	10S17E12	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	52.53	GA	209.4	10S18E18	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	78.16	GA	312.64	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75.93	GA	303.7	10S18E8	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	77.58	GA	310.3	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	11.75	GA	47	10S18E17	FUNGICIDE

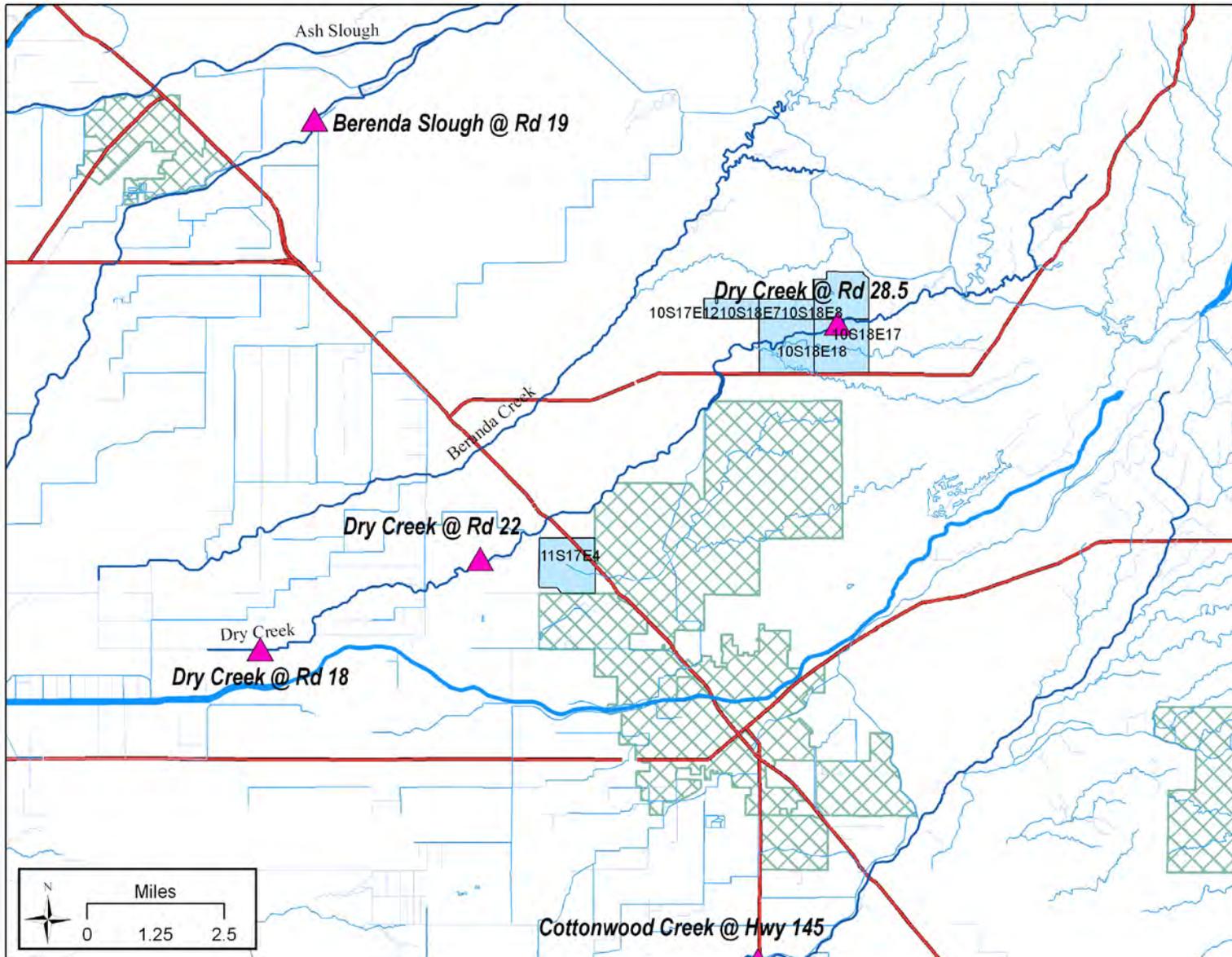
Figure 24. Location of copper use for Dry Creek @ Rd 22 – Irrigation 2 MPM



**Irrigation 3 MPM (6/24/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	94	LB	94	11S17E4	FUNGICIDE
WINE GRAPES	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	28.58	GA	114.3	10S17E12	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	52.53	GA	209.4	10S18E18	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	78.16	GA	312.64	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75.93	GA	303.7	10S18E8	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	77.58	GA	310.3	10S18E7	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	11.75	GA	47	10S18E17	FUNGICIDE

Figure 25. Location of copper use for Dry Creek @ Rd 22 – Irrigation 3 MPM



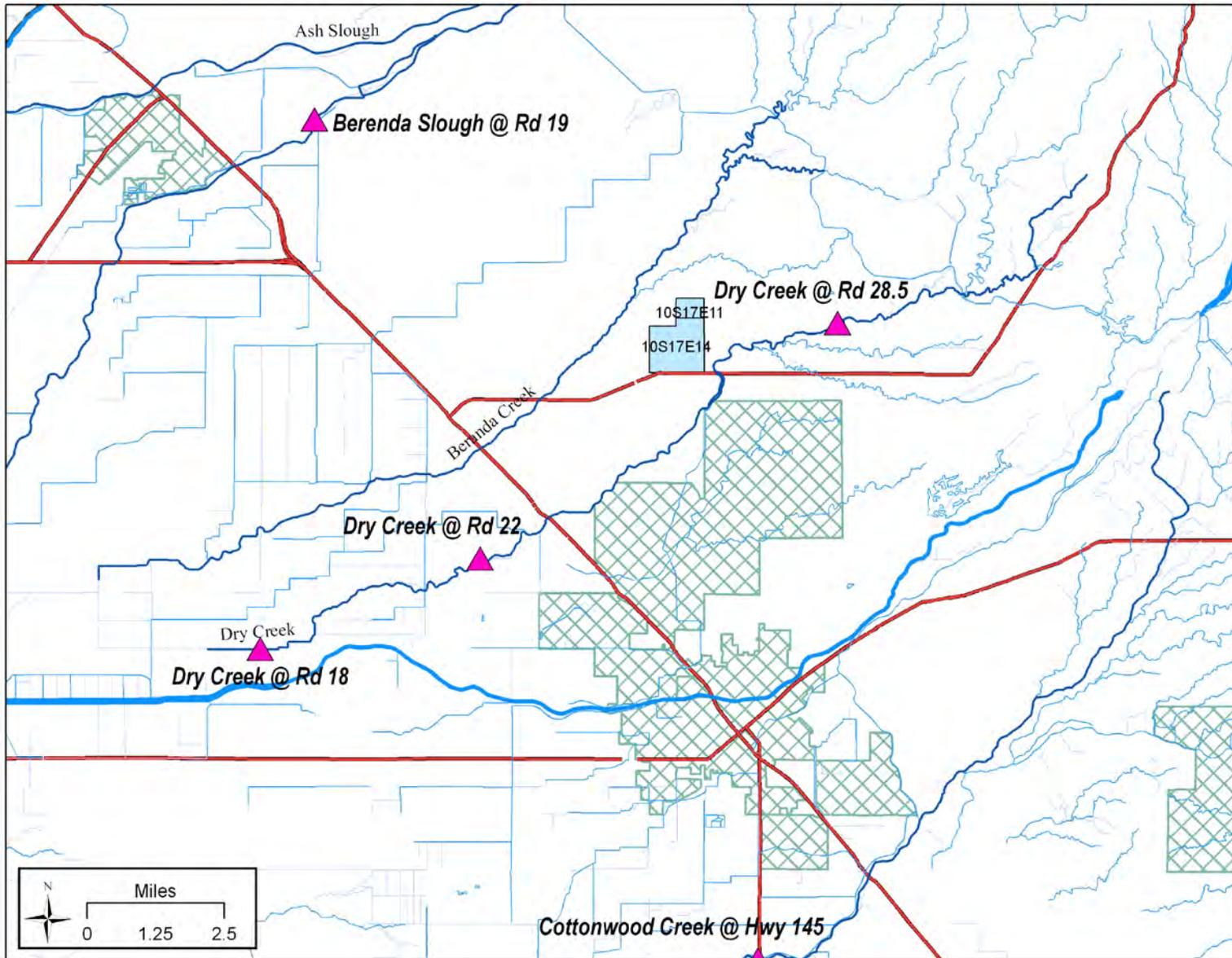
**Irrigation 4 MPM (7/29/08) - copper exceedance.**

No reported use after 4/17/08.

**Irrigation 5 MPM (8/26/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	INSECTICIDE
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	HERBICIDE
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	FUNGICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	FUNGICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	FUNGICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	HERBICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	INSECTICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	HERBICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	INSECTICIDE

Figure 26. Location of copper use for Dry Creek @ Rd 22 – Irrigation 5 MPM

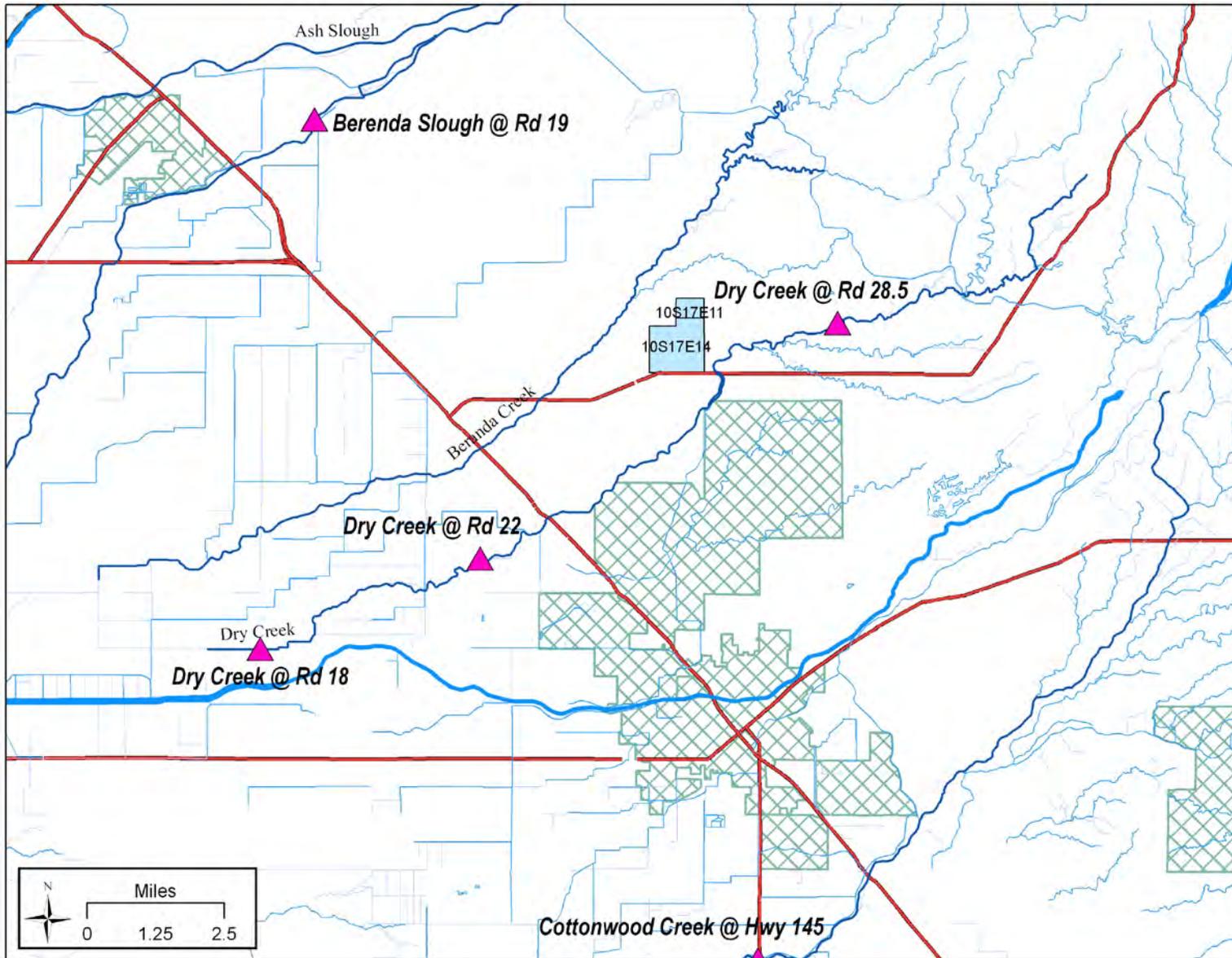


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**Irrigation 6 MPM (9/30/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	INSECTICIDE
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	HERBICIDE
POMEGRANATE	8/3/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	200	LBS	77	10S17E14	FUNGICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	FUNGICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	FUNGICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	HERBICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	INSECTICIDE
PISTACHIO	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	10.83	LBS	13	10S17E11	HERBICIDE
POMEGRANATE	8/15/2008	TRIANGLE BRAND COPPER SULFATE CRYSTAL	COPPER SULFATE (PENTAHYDRATE)	G	100	LBS	77	10S17E14	INSECTICIDE

Figure 27. Location of copper use for Dry Creek @ Rd 22 – Irrigation 6 MPM



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**Dry Creek @ Rd 28 ½**

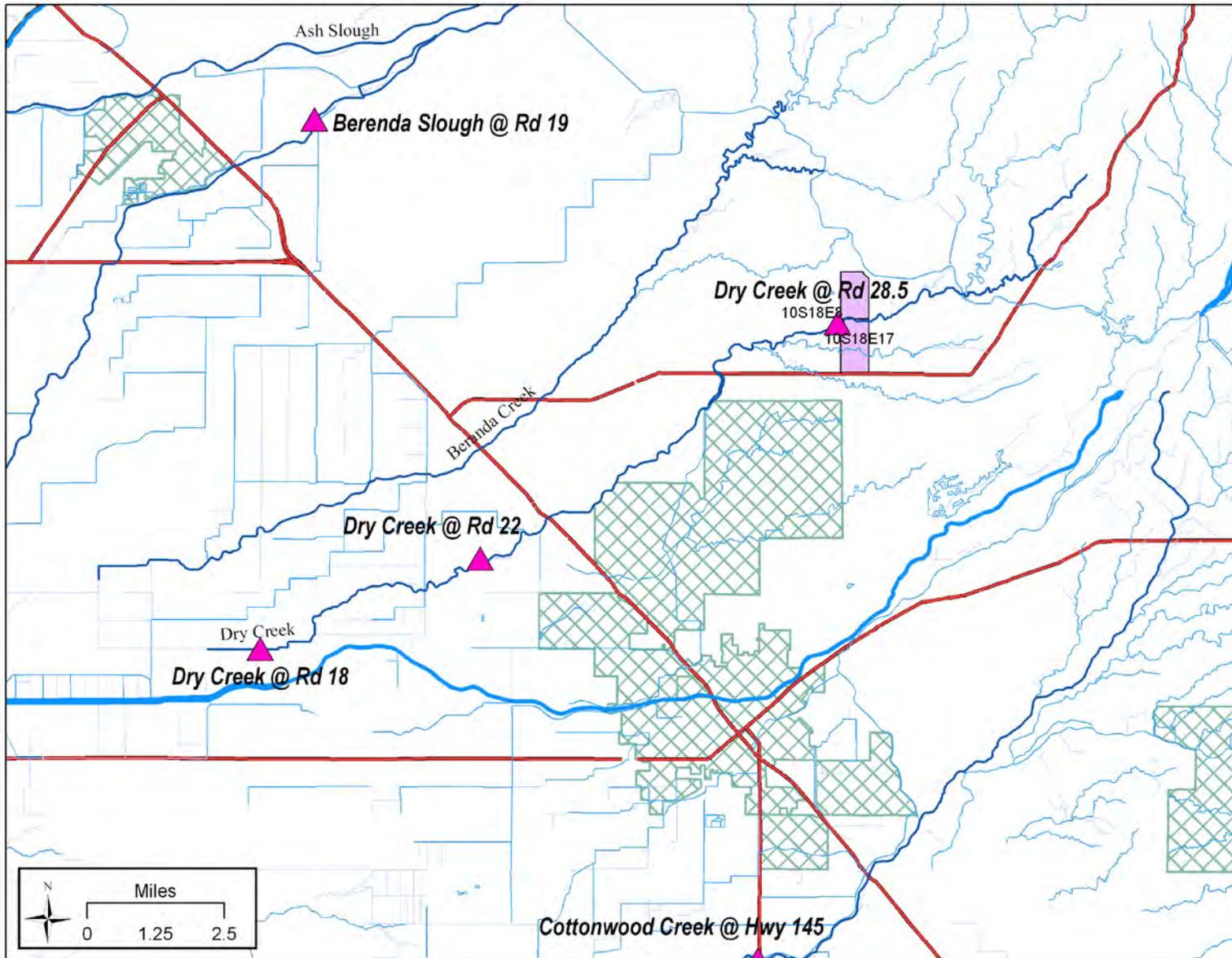
**Pesticide Use Reports for metal exceedances in the water column**

**Irrigation 4 MPM (7/29/08) - copper exceedance.**

No reported use of copper within 12 weeks prior to the exceedance. Applications that occurred within 16 weeks prior to the exceedance are shown below.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75.93	GA	303.7	10S18E8	FUNGICIDE
WINE GRAPES	4/17/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	11.75	GA	47	10S18E17	FUNGICIDE

Figure 28. Location of copper use for Dry Creek @ Rd 28 ½ – Irrigation 4 MPM



## Dry Creek @ Wellsford Rd

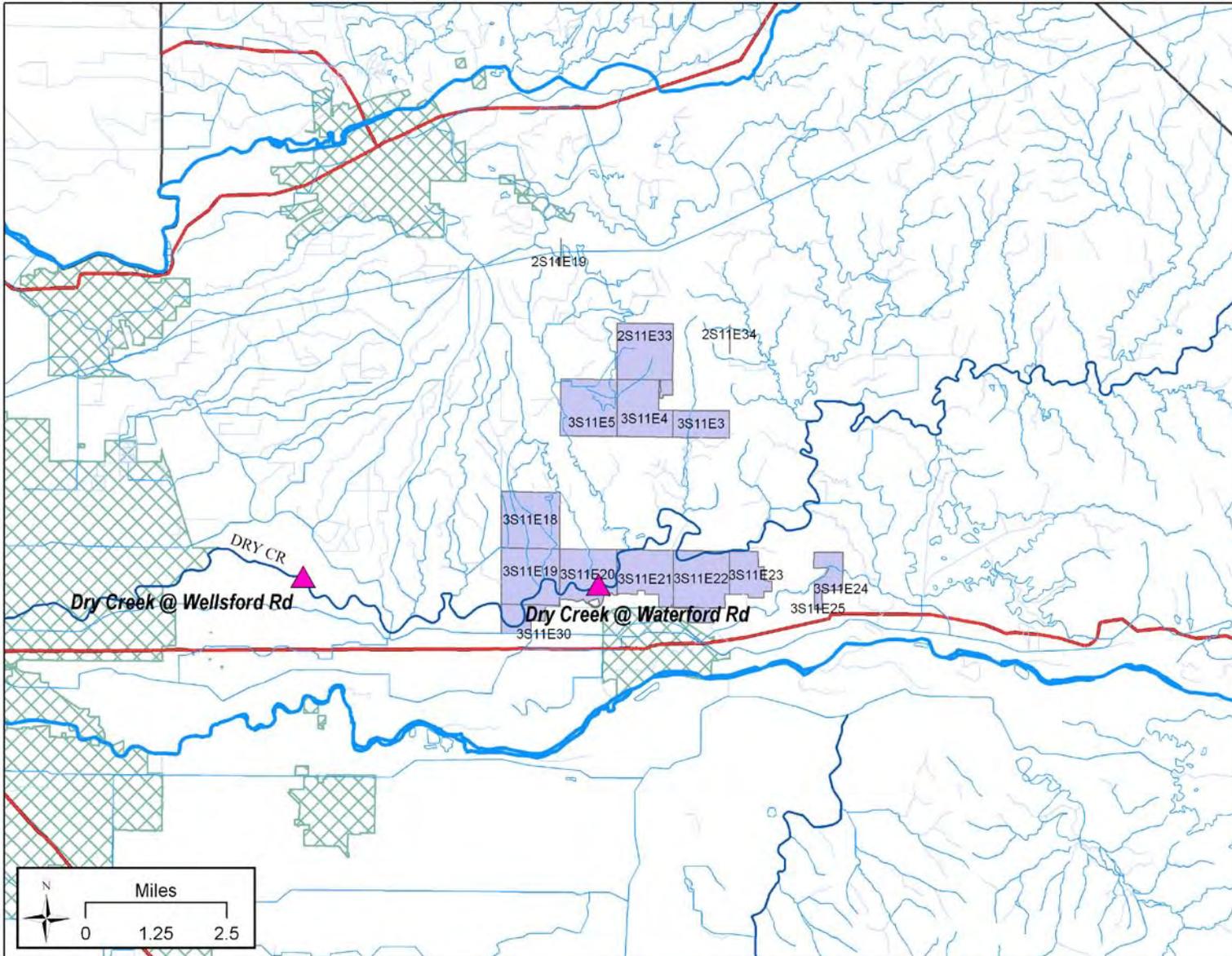
### Pesticide Use Reports for pesticide exceedances in the water column

#### Irrigation 4 (7/22/08) - chlorpyrifos exceedance.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	6/24/2008	LORSBAN-4E	CHLORPYRIFOS	G	4.5	GA	18	3S11E29	INSECTICIDE
WALNUT	6/25/2008	LORSBAN-4E	CHLORPYRIFOS	G	80	PT	20	3S11E23	INSECTICIDE
WALNUT	6/25/2008	NUFOS 4E	CHLORPYRIFOS	G	20	GA	80	3S11E22	INSECTICIDE
WALNUT	6/26/2008	LORSBAN-4E	CHLORPYRIFOS	G	5.5	GA	22	3S11E29	INSECTICIDE
WALNUT	6/27/2008	LORSBAN-4E	CHLORPYRIFOS	G	3.25	GA	13	3S11E29	INSECTICIDE
WALNUT	6/27/2008	LORSBAN-4E	CHLORPYRIFOS	G	3.75	GA	15	3S11E5	INSECTICIDE
WALNUT	6/27/2008	LORSBAN-4E	CHLORPYRIFOS	G	30	QT	13	3S11E29	INSECTICIDE
WALNUT	6/27/2008	LORSBAN-4E	CHLORPYRIFOS	G	60	QT	30	3S11E25	INSECTICIDE
WALNUT	6/29/2008	NUFOS 4E	CHLORPYRIFOS	G	232	PT	58	2S11E33	INSECTICIDE
WALNUT	6/30/2008	LORSBAN-4E	CHLORPYRIFOS	G	20	QT	10	3S11E30	INSECTICIDE
ALMOND	6/30/2008	LORSBAN-4E	CHLORPYRIFOS	G	30	QT	15	3S11E29	INSECTICIDE
WALNUT	7/1/2008	LORSBAN-4E	CHLORPYRIFOS	G	30	QT	15	3S11E29	INSECTICIDE
WALNUT	7/3/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	74	PT	37	3S11E22	INSECTICIDE
WALNUT	7/5/2008	LORSBAN-4E	CHLORPYRIFOS	G	32	PT	8	3S11E22	INSECTICIDE
WALNUT	7/5/2008	LORSBAN-4E	CHLORPYRIFOS	G	60	QT	30	3S11E21	INSECTICIDE
WALNUT	7/8/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	5.72	GA	11	3S11E30	INSECTICIDE
ALMOND	7/8/2008	LORSBAN-4E	CHLORPYRIFOS	G	160	PT	40	3S11E23	INSECTICIDE
ALMOND	7/8/2008	LORSBAN-4E	CHLORPYRIFOS	G	48	PT	12	3S11E22	INSECTICIDE
ALMOND	7/9/2008	LORSBAN-4E	CHLORPYRIFOS	G	480	PT	120	2S11E33	INSECTICIDE
ALMOND	7/9/2008	LORSBAN-4E	CHLORPYRIFOS	G	300	PT	75	3S11E4	INSECTICIDE
WALNUT	7/11/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	80	PT	20	3S11E20	INSECTICIDE
ALMOND	7/11/2008	LORSBAN-4E	CHLORPYRIFOS	G	480	PT	120	2S11E33	INSECTICIDE
ALMOND	7/11/2008	LORSBAN-4E	CHLORPYRIFOS	G	300	PT	75	3S11E4	INSECTICIDE
ALMOND	7/11/2008	NUFOS 4E	CHLORPYRIFOS	G	40	QT	40	2S11E34	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/11/2008	NUFOS 4E	CHLORPYRIFOS	G	60	QT	60	3S11E3	INSECTICIDE
CORN FOR/FOD	7/12/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	2.24	GA	10.66	3S11E18	INSECTICIDE
CORN FOR/FOD	7/12/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	4.51	GA	41	3S11E18	INSECTICIDE
CORN FOR/FOD	7/12/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	2.67	GA	29.66	3S11E18	INSECTICIDE
WALNUT	7/13/2008	LORSBAN-4E	CHLORPYRIFOS	G	96	PT	24	3S11E19	INSECTICIDE
ALMOND	7/14/2008	LORSBAN-4E	CHLORPYRIFOS	G	80	PT	20	3S11E30	INSECTICIDE
CORN FOR/FOD	7/16/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	2.69	GA	44.87	3S11E18	INSECTICIDE
ALMOND	7/17/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	7	GA	14	2S11E19	INSECTICIDE
CORN FOR/FOD	7/17/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	2.55	GA	25.49	3S11E18	INSECTICIDE
ALMOND	7/17/2008	NUFOS 4E	CHLORPYRIFOS	G	10	GA	40	2S11E34	INSECTICIDE
ALMOND	7/17/2008	NUFOS 4E	CHLORPYRIFOS	G	15	GA	60	3S11E3	INSECTICIDE
ALMOND	7/18/2008	LORSBAN-4E	CHLORPYRIFOS	G	56	PT	14	3S11E21	INSECTICIDE
ALMOND	7/18/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	PT	10	3S11E21	INSECTICIDE
ALMOND	7/18/2008	LORSBAN-4E	CHLORPYRIFOS	G	64	PT	16	3S11E30	INSECTICIDE
CORN FOR/FOD	7/18/2008	NUFOS 4E	CHLORPYRIFOS	G	5.34	GA	31.43	3S11E18	INSECTICIDE
ALMOND	7/19/2008	NUFOS 4E	CHLORPYRIFOS	G	4.29	GA	8	3S11E30	INSECTICIDE
ALMOND	7/19/2008	NUFOS 4E	CHLORPYRIFOS	G	8.58	GA	20.5	3S11E30	INSECTICIDE
ALMOND	7/19/2008	NUFOS 4E	CHLORPYRIFOS	A	340	PT	84	3S11E24	INSECTICIDE
ALMOND	7/21/2008	LORSBAN-4E	CHLORPYRIFOS	G	32	PT	8	3S11E21	INSECTICIDE
ALMOND	7/21/2008	LORSBAN-4E	CHLORPYRIFOS	G	82	PT	82	3S11E27	INSECTICIDE
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	100	PT	25	3S11E20	INSECTICIDE
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	PT	10	3S11E20	INSECTICIDE
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	48	PT	12	3S11E20	INSECTICIDE

Figure 29. Location of chlorpyrifos use for Dry Creek @ Wellsford Rd – Irrigation 4 MPM



## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/25/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	3.15	GA	120	3S11E3	INSECTICIDE
WALNUT	4/25/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1920	OZ	240	2S11E35	INSECTICIDE
ALMOND	5/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	80	OZ	10	3S11E22	INSECTICIDE
ALMOND	5/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	120	OZ	12	3S11E22	INSECTICIDE
ALMOND	5/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	120	OZ	40	3S11E22	INSECTICIDE
OP-DEC. TREE	5/13/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	40	OZ	5	3S11E4	INSECTICIDE
OP-DEC. TREE	5/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	40	OZ	5	3S11E4	INSECTICIDE
ALMOND	5/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	7	GA	175	2S12E32	INSECTICIDE
ALMOND	5/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.41	GA	15	3S11E20	INSECTICIDE
CORN FOR/FOD	5/15/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	77.6	LB	8	2S11E31	INSECTICIDE
CORN FOR/FOD	5/15/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	500	LB	50	2S11E30	INSECTICIDE
ALMOND	5/15/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	512	OZ	200	3S11E25	INSECTICIDE
ALMOND	5/15/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	8.6	GA	215	3S11E15	INSECTICIDE
ALMOND	5/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.42	GA	20.5	3S11E30	INSECTICIDE
ALMOND	5/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.21	GA	8	3S11E30	INSECTICIDE
OP-DEC. TREE	5/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	24	OZ	3	3S11E4	INSECTICIDE
WALNUT	5/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	76.8	OZ	24	3S11E22	INSECTICIDE
ALMOND	5/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	51.2	OZ	16	3S11E30	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	124.8	OZ	13	3S11E29	INSECTICIDE
ALMOND	5/20/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.48	GA	19	3S11E20	INSECTICIDE
ALMOND	5/20/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.45	GA	18	3S11E30	INSECTICIDE
ALMOND	5/20/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1	GA	40	3S11E30	INSECTICIDE
ALMOND	5/20/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	32	OZ	10	3S11E21	INSECTICIDE
ALMOND	5/20/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	44.8	OZ	14	3S11E21	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/20/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	9.68	GA	242	3S11E16	INSECTICIDE
ALMOND	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.35	GA	14	3S11E2	INSECTICIDE
ALMOND	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2	GA	84	3S11E24	INSECTICIDE
ALMOND	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3	GA	140	3S11E12	INSECTICIDE
ALMOND	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.28	GA	9	3S11E21	INSECTICIDE
ALMOND	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.75	GA	30	3S11E21	INSECTICIDE
ALMOND	5/21/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	637.5	OZ	75	3S11E7	INSECTICIDE
ALMOND	5/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.5	GA	20	3S11E28	INSECTICIDE
WALNUT	5/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.87	GA	75	3S11E23	INSECTICIDE
ALMOND	5/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.55	GA	22	3S11E28	INSECTICIDE
ALMOND	5/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.4	GA	16	3S11E27	INSECTICIDE
ALMOND	5/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1024	OZ	80	3S11E4	INSECTICIDE
ALMOND	5/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1472	OZ	115	2S11E33	INSECTICIDE
PEACH PROCESSNG	5/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.28	GA	11	3S11E28	INSECTICIDE
ALMOND	5/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	64	OZ	20	3S11E2	INSECTICIDE
ALMOND	5/23/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1.32	GA	33	3S11E15	INSECTICIDE
ALMOND	5/23/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	765	OZ	85	3S11E23	INSECTICIDE
ALMOND	5/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.8	GA	111	3S11E27	INSECTICIDE
ALMOND	5/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	3S12E19	INSECTICIDE
ALMOND	5/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1860	OZ	310	3S11E2	INSECTICIDE
ALMOND	5/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	750	OZ	125	3S11E12	INSECTICIDE
ALMOND	5/26/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	17.2	GA	430	3S11E15	INSECTICIDE
WALNUT	5/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	4.62	QT	37	3S11E22	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.54	GA	50	3S11E22	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.36	GA	7	3S11E21	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2250	OZ	375	3S11E21	INSECTICIDE
ALMOND	5/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	224	OZ	70	3S11E24	INSECTICIDE
RICE	5/28/2008	FURY 1.5 EW INSECTICIDE	CYPERMETHRIN	A	144	OZ	40	2S11E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	3S11E29	INSECTICIDE
ALMOND	5/28/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	7.81	GA	200	2S11E34	INSECTICIDE
CORN FOR/FOD	5/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	50	LB	5	3S11E19	INSECTICIDE
CORN FOR/FOD	5/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	170	LB	17	3S11E19	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	336	OZ	35	3S11E29	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	115.2	OZ	18	3S11E28	INSECTICIDE
ALMOND	5/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	6.25	GA	100	3S11E6	INSECTICIDE
ALMOND	5/29/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3.1	GA	55	3S11E6	INSECTICIDE
CORN FOR/FOD	5/30/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	620	LB	62	3S11E19	INSECTICIDE
ALMOND	5/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	144	OZ	15	3S11E30	INSECTICIDE
ALMOND	5/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	18	3S11E30	INSECTICIDE
ALMOND	5/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	3S11E30	INSECTICIDE
ALMOND	5/30/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	3.1	GA	56	3S11E6	INSECTICIDE
ALMOND	5/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.75	GA	48	3S11E25	INSECTICIDE
ALMOND	5/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	11.5	GA	115	2S11E33	INSECTICIDE
ALMOND	5/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8	GA	80	3S11E4	INSECTICIDE
ALMOND	5/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	249.6	OZ	26	3S11E30	INSECTICIDE
WALNUT	5/31/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	36	OZ	12	3S11E15	INSECTICIDE
OP-DEC. TREE	6/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	24	OZ	4	3S11E4	INSECTICIDE
WALNUT	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	120	OZ	40	3S12E6	INSECTICIDE
WALNUT	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1024	OZ	320	2S11E35	INSECTICIDE
OP-DEC. TREE	6/2/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2	LB	4	3S11E4	INSECTICIDE
ALMOND	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	3S11E30	INSECTICIDE
ALMOND	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	196	OZ	18	3S11E30	INSECTICIDE
ALMOND	6/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	48	OZ	15	3S11E30	INSECTICIDE
ALMOND	6/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	336	OZ	35	3S11E30	INSECTICIDE
ALMOND	6/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3	GA	144	3S11E12	INSECTICIDE
ALMOND	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	144	OZ	15	3S11E29	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	3S11E29	INSECTICIDE
ALMOND	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	365	OZ	38	3S11E29	INSECTICIDE
ALMOND	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	345	OZ	36	3S11E29	INSECTICIDE
ALMOND	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	76.8	OZ	8	3S11E28	INSECTICIDE
ALMOND	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	30	3S11E28	INSECTICIDE
ALMOND	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	182.4	OZ	19	3S11E29	INSECTICIDE
ALMOND	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	3S11E30	INSECTICIDE
ALMOND	6/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	30	3S11E22	INSECTICIDE
OP-DEC. TREE	6/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	24	OZ	4	3S11E4	INSECTICIDE
OP-DEC. TREE	6/12/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	3	LB	6	3S11E4	INSECTICIDE
OP-DEC. TREE	6/13/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2	LB	4	3S11E4	INSECTICIDE
GRAPE, WINE	6/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	925	OZ	185	3S11E16	INSECTICIDE
GRAPE, WINE	6/17/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	325	OZ	65	3S11E16	INSECTICIDE
ALMOND	6/23/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	2500	OZ	250	3S11E25	INSECTICIDE
OP-DEC. TREE	6/23/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	1	LB	2	3S11E4	INSECTICIDE
OP-DEC. TREE	6/25/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	20	OZ	4	3S11E4	INSECTICIDE
ALMOND	6/25/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	820	OZ	82	3S11E27	INSECTICIDE
ALMOND	6/26/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	4.88	GA	125	2S11E34	INSECTICIDE
WALNUT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	30	3S11E25	INSECTICIDE
WALNUT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	13	3S11E29	INSECTICIDE
PEACH PROCESSNG	6/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.31	GA	11	3S11E28	INSECTICIDE
ALMOND	6/30/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	350	OZ	65	3S11E12	INSECTICIDE
ALMOND	6/30/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	1870	OZ	187	3S11E21	INSECTICIDE
ALMOND	6/30/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	1150	OZ	115	3S11E2	INSECTICIDE
ALMOND	6/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	15	3S11E29	INSECTICIDE
WALNUT	6/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	10	3S11E30	INSECTICIDE
WALNUT	6/30/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	147	OZ	42	3S12E8	INSECTICIDE
WALNUT	6/30/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	350	OZ	100	3S12E8	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	7/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	15	3S11E29	INSECTICIDE
OP-DEC. TREE	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	15	OZ	3	3S11E4	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	9.2	QT	84	3S11E22	INSECTICIDE
OP-DEC. TREE	7/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	10	OZ	2	3S11E4	INSECTICIDE
WALNUT	7/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	90	LB	90	3S11E15	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	30	3S11E21	INSECTICIDE
ALMOND	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13.5	GA	137	2S11E33	INSECTICIDE
OP-DEC. TREE	7/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	15	OZ	3	3S11E4	INSECTICIDE
ALMOND	7/7/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	1870	OZ	187	3S11E21	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.06	GA	22	3S11E20	INSECTICIDE
ALMOND	7/8/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	300	OZ	100	2S11E28	INSECTICIDE
WALNUT	7/8/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	36	OZ	12	3S11E15	INSECTICIDE
ALMOND	7/8/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	128	OZ	40	3S11E23	INSECTICIDE
OP-DEC. TREE	7/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	10	OZ	2	3S11E4	INSECTICIDE
ALMOND	7/9/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	245	LB	245	3S11E16	INSECTICIDE
ALMOND	7/10/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	33	LB	33	3S11E15	INSECTICIDE
ALMOND	7/10/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	650	OZ	65	3S11E2	INSECTICIDE
ALMOND	7/10/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	650	OZ	65	3S11E12	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.5	GA	160	3S11E3	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	576	OZ	90	2S11E31	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	7	3S11E21	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	320	OZ	50	3S11E22	INSECTICIDE
OP-DEC. TREE	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	30	OZ	6	3S11E4	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	8	OZ	1	3S11E4	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.4	GA	24	3S11E8	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	28	3S11E30	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	20	3S11E30	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	240	OZ	25	3S11E29	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/14/2008	BIFENTURE	BIFENTHRIN	A	638	OZ	110	3S11E18	INSECTICIDE
ALMOND	7/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	215	LB	215	3S11E15	INSECTICIDE
RICE	7/15/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	700	OZ	175	3S12E5	INSECTICIDE
OP-DEC. TREE	7/15/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	24	OZ	3	3S11E4	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	35	3S11E29	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	30	3S11E22	INSECTICIDE
ALMOND	7/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.4	GA	111	3S11E27	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	430	LB	430	3S11E15	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	3S11E30	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	336	OZ	35	3S11E30	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	312	OZ	32.5	3S11E29	INSECTICIDE
ALMOND	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.28	GA	9	3S11E21	INSECTICIDE
ALMOND	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.75	GA	30	3S11E21	INSECTICIDE
WALNUT	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	15	LB	15	3S11E5	INSECTICIDE
ALMOND	7/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.45	GA	18	3S11E30	INSECTICIDE
ALMOND	7/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1	GA	40	3S11E30	INSECTICIDE
ALMOND	7/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.35	GA	14	3S11E30	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	360	OZ	37.5	3S11E30	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	16	3S11E30	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	144	OZ	15	3S11E30	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	13	3S11E29	INSECTICIDE
ALMOND	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	960	OZ	100	3S11E25	INSECTICIDE
ALMOND	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	268.8	OZ	28	3S11E25	INSECTICIDE
ALMOND	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	249.6	OZ	26	3S11E30	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	2272	OZ	355	2S11E32	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	288	OZ	45	2S11E32	INSECTICIDE
ALMOND	7/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	9.6	OZ	1	3S11E22	INSECTICIDE
ALMOND	7/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	3S11E22	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	7/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	640	OZ	100	3S12E8	INSECTICIDE
WALNUT	7/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	268.8	OZ	42	3S12E8	INSECTICIDE
ALMOND	7/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	144	OZ	15	3S11E21	INSECTICIDE
ALMOND	7/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	80	OZ	25	3S11E20	INSECTICIDE
ALMOND	7/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	32	OZ	10	3S11E20	INSECTICIDE
ALMOND	7/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	38.4	OZ	12	3S11E20	INSECTICIDE
OP-DEC. TREE	7/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	15	OZ	3	3S11E4	INSECTICIDE
ALMOND	7/23/2008	RENOUNCE 20 WP INSECTICIDE	CYFLUTHRIN	G	875	OZ	250	3S11E25	INSECTICIDE
WALNUT	7/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	15	3S11E29	INSECTICIDE
ALMOND	7/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	120	OZ	10	3S11E21	INSECTICIDE
ALMOND	7/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	3S11E24	INSECTICIDE
OP-DEC. TREE	7/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	20	OZ	4	3S11E4	INSECTICIDE
ALMOND	7/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.41	GA	111	3S11E27	INSECTICIDE
ALMOND	7/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.2	GA	28	3S11E25	INSECTICIDE
WALNUT	7/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	10	3S11E30	INSECTICIDE
WALNUT	7/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	15	3S11E30	INSECTICIDE
WALNUT	7/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	15	3S11E30	INSECTICIDE
ALMOND	7/25/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	4	QT	42	3S11E22	INSECTICIDE
OP-DEC. TREE	7/25/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	24	OZ	3	3S11E4	INSECTICIDE
OP-DEC. TREE	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	24	OZ	4	3S11E4	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	393.6	OZ	41	3S11E27	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	806.4	OZ	84	3S11E24	INSECTICIDE
ALMOND	7/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	60	OZ	6	3S11E29	INSECTICIDE
OP-DEC. TREE	7/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	48	OZ	8	3S11E4	INSECTICIDE
CORN FOR/FOD	7/28/2008	BIFENTURE	BIFENTHRIN	A	96	OZ	15	3S12E18	INSECTICIDE
CORN FOR/FOD	7/28/2008	BIFENTURE	BIFENTHRIN	A	224	OZ	35	2S11E31	INSECTICIDE
ALMOND	7/29/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LB	10	3S11E29	INSECTICIDE
CORN FOR/FOD	7/29/2008	BIFENTURE	BIFENTHRIN	A	416	OZ	65	3S12E18	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	345.6	OZ	36	3S11E29	INSECTICIDE
WALNUT	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	3S11E29	INSECTICIDE
OP-DEC. TREE	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	5	3S11E4	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	3S11E29	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	182.4	OZ	19	3S11E29	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	172.8	OZ	18	3S11E28	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	388	OZ	30	3S11E28	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	76.8	OZ	8	3S11E28	INSECTICIDE
ALMOND	7/31/2008	CLINCH ANT BAIT	ABAMECTIN	G	100	LB	100	2S12E32	INSECTICIDE
ALMOND	7/31/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	112	LB	160	3S11E4	INSECTICIDE
ALMOND	7/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	38.4	OZ	4	3S11E25	INSECTICIDE
ALMOND	7/31/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.67	GA	14	3S11E2	FUNGICIDE
ALMOND	7/31/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.67	GA	14	3S11E2	HERBICIDE
ALMOND	7/31/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.1	GA	9	3S11E21	FUNGICIDE
ALMOND	7/31/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.1	GA	9	3S11E21	HERBICIDE
ALMOND	7/31/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	60	GA	215	3S11E15	FUNGICIDE
ALMOND	7/31/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	60	GA	215	3S11E15	HERBICIDE
ALMOND	7/31/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	GA	465	3S11E15	FUNGICIDE
ALMOND	7/31/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	GA	465	3S11E15	HERBICIDE
WALNUT	7/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	28.12	GA	75	3S11E23	FUNGICIDE
WALNUT	7/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	28.12	GA	75	3S11E23	HERBICIDE
ALMOND	7/31/2008	GOAL 2XL	OXYFLUORFEN	G	168	OZ	28	3S11E25	HERBICIDE
WALNUT	7/31/2008	GOAL 2XL	OXYFLUORFEN	G	180	OZ	30	3S11E25	HERBICIDE
ALMOND	7/31/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	20	GA	465	3S11E15	HERBICIDE
ALMOND	7/31/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	10	GA	215	3S11E15	HERBICIDE
WALNUT	7/31/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	4.68	GA	75	3S11E23	HERBICIDE
ALMOND	7/31/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	10	GA	245	3S11E16	HERBICIDE
ALMOND	7/31/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	480	OZ	100	3S11E25	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/31/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	0.76	GA	14	3S11E2	HERBICIDE
ALMOND	7/31/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	0.6	GA	9	3S11E21	HERBICIDE
ALMOND	7/31/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	28	QT	28	3S11E25	HERBICIDE
WALNUT	7/31/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	30	QT	30	3S11E25	HERBICIDE
ALMOND	7/31/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	29.7	PT	11	3S11E23	HERBICIDE
ALMOND	7/31/2008	ALECTO 41S	glyphosate	G	300	PT	100	3S11E25	HERBICIDE
ALMOND	7/31/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	GA	465	3S11E15	FUNGICIDE
ALMOND	7/31/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	GA	465	3S11E15	HERBICIDE
WALNUT	7/31/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	GA	90	3S11E15	FUNGICIDE
WALNUT	7/31/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	GA	90	3S11E15	HERBICIDE
WALNUT	8/1/2008	OMITE 30WS	PROPARGITE	G	80	LB	10	2S11E28	INSECTICIDE
WALNUT	8/1/2008	OMITE 30WS	PROPARGITE	G	80	LB	10	2S11E28	INSECTICIDE
WALNUT	8/1/2008	GOAL 2XL	OXYFLUORFEN	G	213.33	OZ	40	2S11E35	HERBICIDE
WALNUT	8/1/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	2.12	GA	17	3S11E21	HERBICIDE
WALNUT	8/1/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	1.37	GA	9	3S11E21	HERBICIDE
WALNUT	8/2/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4266.67	OZ	200	2S11E35	FUNGICIDE
WALNUT	8/2/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4266.67	OZ	200	2S11E35	HERBICIDE
WALNUT	8/2/2008	GOAL 2XL	OXYFLUORFEN	G	800	OZ	200	2S11E35	HERBICIDE
ALMOND	8/4/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.35	GA	18	3S11E30	FUNGICIDE
ALMOND	8/4/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.35	GA	18	3S11E30	HERBICIDE
ALMOND	8/4/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	1.53	GA	18	3S11E30	HERBICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	30	2S12E32	FUNGICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	30	2S12E32	HERBICIDE
ALMOND	8/5/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.64	GA	40	3S11E30	FUNGICIDE
ALMOND	8/5/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.64	GA	40	3S11E30	HERBICIDE
ALMOND	8/5/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.35	GA	28	3S11E30	FUNGICIDE
ALMOND	8/5/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.35	GA	28	3S11E30	HERBICIDE
ALMOND	8/5/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.63	GA	19	3S11E20	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/5/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.63	GA	19	3S11E20	HERBICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	480	OZ	75	3S11E13	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	307.2	OZ	48	3S11E13	INSECTICIDE
ALMOND	8/5/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	1.53	GA	28	3S11E30	HERBICIDE
ALMOND	8/5/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	2.18	GA	40	3S11E30	HERBICIDE
ALMOND	8/5/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	1.04	GA	19	3S11E20	HERBICIDE
ALMOND	8/5/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34.09	GA	68.18	2S12E32	FUNGICIDE
ALMOND	8/5/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34.09	GA	68.18	2S12E32	HERBICIDE
ALMOND	8/5/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	42.375	GA	113	2S11E34	FUNGICIDE
ALMOND	8/5/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	42.375	GA	113	2S11E34	HERBICIDE
WALNUT	8/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	208	OZ	65	2S11E35	INSECTICIDE
WALNUT	8/6/2008	OMITE-30W	PROPARGITE	G	325	LB	65	2S11E35	INSECTICIDE
ALMOND	8/7/2008	CLINCH ANT BAIT	ABAMECTIN	G	20	LB	20	3S11E20	INSECTICIDE
ALMOND	8/7/2008	CLINCH ANT BAIT	ABAMECTIN	G	80	LB	80	3S11E20	INSECTICIDE
WALNUT	8/7/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	90	LB	90	3S11E15	INSECTICIDE
ALMOND	8/7/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	244	PT	244	3S11E21	FUNGICIDE
ALMOND	8/7/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	244	PT	244	3S11E21	HERBICIDE
ALMOND	8/7/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	244	OZ	244	3S11E21	HERBICIDE
ALMOND	8/8/2008	CLINCH ANT BAIT	ABAMECTIN	G	57	LB	57	3S12E18	INSECTICIDE
ALMOND	8/8/2008	CLINCH ANT BAIT	ABAMECTIN	G	28	LB	28	3S12E19	INSECTICIDE
WALNUT	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	15	LB	15	3S11E5	INSECTICIDE
ALMOND	8/8/2008	GOAL 2XL	OXYFLUORFEN	G	408	OZ	85	3S11E22	HERBICIDE
ALMOND	8/8/2008	NUFOS 4E	CHLORPYRIFOS	G	288	PT	144	3S11E21	INSECTICIDE
ALMOND	8/8/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12	GA	24	3S11E8	FUNGICIDE
ALMOND	8/8/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12	GA	24	3S11E8	HERBICIDE
WALNUT	8/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	403.2	OZ	42	3S12E8	INSECTICIDE
WALNUT	8/9/2008	OMITE-6E	PROPARGITE	G	126	PT	42	3S12E8	INSECTICIDE
CHESTNUT	8/10/2008	GRAMOXONE MAX	PARAQUAT DICHLORIDE	G	52	OZ	4	3S11E21	HERBICIDE

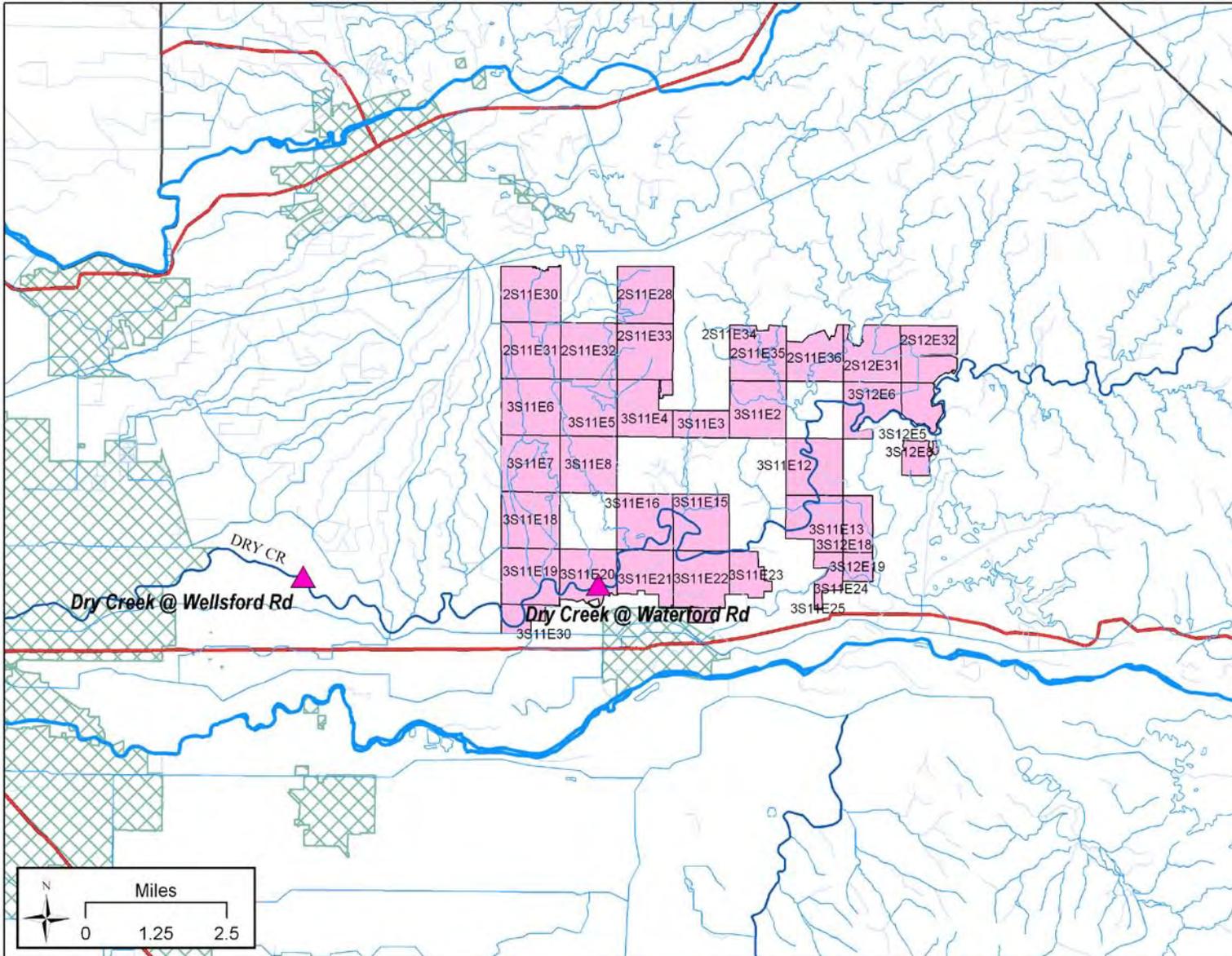
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	8/10/2008	AGRI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	30	OZ	3	3S11E4	INSECTICIDE
ALMOND	8/10/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	66	PT	66	3S11E2	FUNGICIDE
ALMOND	8/10/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	66	PT	66	3S11E2	HERBICIDE
CHESTNUT	8/10/2008	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	90	OZ	4	3S11E21	FUNGICIDE
CHESTNUT	8/10/2008	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	90	OZ	4	3S11E21	HERBICIDE
ALMOND	8/10/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	66	OZ	66	3S11E2	HERBICIDE
ALMOND	8/11/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	16	OZ	40	3S11E21	INSECTICIDE
WALNUT	8/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	14.8	QT	37	3S11E22	INSECTICIDE
ALMOND	8/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	11	GA	22	3S11E20	FUNGICIDE
ALMOND	8/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	11	GA	22	3S11E20	HERBICIDE
WALNUT	8/11/2008	ZEAL MITICIDE(1)	ETOXAZOLE	G	88	OZ	37	3S11E22	INSECTICIDE
WALNUT	8/12/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	GA	18	3S12E6	FUNGICIDE
WALNUT	8/12/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	GA	18	3S12E6	HERBICIDE
WALNUT	8/12/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2	GA	20	2S12E31	HERBICIDE
ALMOND	8/12/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	126.9	PT	47	3S11E23	HERBICIDE
ALMOND	8/12/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	20	GA	80	2S11E33	HERBICIDE
OT-VINE	8/13/2008	GEM 500 SC FUNGICIDE	TRIFLOXYSTROBIN	G	24	OZ	12	3S11E2	FUNGICIDE
OT-VINE	8/13/2008	OMITE 30WS	PROPARGITE	G	90	LB	12	3S11E2	INSECTICIDE
ALMOND	8/13/2008	OMITE-6E	PROPARGITE	G	20	PT	5	3S11E23	INSECTICIDE
ALMOND	8/13/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	21.38	GA	111	3S11E27	FUNGICIDE
ALMOND	8/13/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	21.38	GA	111	3S11E27	HERBICIDE
WALNUT	8/13/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	13	QT	13	3S11E22	FUNGICIDE
WALNUT	8/13/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	13	QT	13	3S11E22	HERBICIDE
WALNUT	8/13/2008	GOAL 2XL	OXYFLUORFEN	G	2.44	QT	13	3S11E22	HERBICIDE
ALMOND	8/13/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	6.11	GA	111	3S11E27	HERBICIDE
WALNUT	8/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	816	OZ	255	2S11E35	INSECTICIDE
WALNUT	8/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	705	OZ	230	3S11E13	INSECTICIDE
OP-DEC. TREE	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	24	OZ	3	3S11E4	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	8/14/2008	OMITE-6E	PROPARGITE	A	940	PT	230	3S11E13	INSECTICIDE
ALMOND	8/14/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	802.62	OZ	85	3S11E22	HERBICIDE
ALMOND	8/15/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32	PT	10	3S11E29	FUNGICIDE
ALMOND	8/15/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32	PT	10	3S11E29	HERBICIDE
ALMOND	8/15/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	57.6	PT	18	3S11E29	FUNGICIDE
ALMOND	8/15/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	57.6	PT	18	3S11E29	HERBICIDE
ALMOND	8/15/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	480	OZ	100	3S11E25	HERBICIDE
CORN FOR/FOD	8/15/2008	BIFENTURE	BIFENTHRIN	G	510	OZ	85	3S11E19	INSECTICIDE
WALNUT	8/15/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	80	OZ	7	3S11E15	HERBICIDE
ALMOND	8/15/2008	ALECTO 41S	glyphosate	G	300	PT	100	3S11E25	HERBICIDE
OP-DEC. TREE	8/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	24	OZ	3	3S11E4	INSECTICIDE
ALMOND	8/16/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	6	PT	20	3S11E22	HERBICIDE
OP-DEC. TREE	8/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	24	OZ	3	3S11E4	INSECTICIDE
WALNUT	8/17/2008	OMITE-6E	PROPARGITE	G	10	QT	5	3S11E21	INSECTICIDE
WALNUT	8/18/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	300	OZ	12	3S11E15	FUNGICIDE
WALNUT	8/18/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	300	OZ	12	3S11E15	HERBICIDE
ALMOND	8/18/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	32	OZ	10	3S11E29	HERBICIDE
ALMOND	8/18/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	16	OZ	5	3S11E29	HERBICIDE
ALMOND	8/18/2008	ALECTO 41S	glyphosate	G	4	GA	10	3S11E29	HERBICIDE
ALMOND	8/18/2008	ALECTO 41S	glyphosate	G	2	GA	5	3S11E29	HERBICIDE
WALNUT	8/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.43	GA	17	3S11E21	INSECTICIDE
WALNUT	8/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.23	GA	9	3S11E21	INSECTICIDE
WALNUT	8/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.33	GA	13	3S11E20	INSECTICIDE
WALNUT	8/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.28	GA	11	3S11E21	INSECTICIDE
WALNUT	8/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.18	GA	7	3S11E20	INSECTICIDE
ALMOND	8/19/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	160	PT	80	3S11E20	HERBICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	24	OZ	3	3S11E4	INSECTICIDE
WALNUT	8/19/2008	OMITE-6E	PROPARGITE	G	4.55	GA	13	3S11E20	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	8/19/2008	OMITE-6E	PROPARGITE	G	2.45	GA	7	3S11E20	INSECTICIDE
WALNUT	8/19/2008	OMITE-6E	PROPARGITE	G	3.85	GA	11	3S11E21	INSECTICIDE
WALNUT	8/19/2008	OMITE-6E	PROPARGITE	G	3.15	GA	9	3S11E21	INSECTICIDE
ALMOND	8/19/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	90	LB	60	3S12E6	INSECTICIDE
ALMOND	8/19/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	256	OZ	80	3S11E20	HERBICIDE
OP-DEC. TREE	8/20/2008	AGRI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	20	OZ	2	3S11E4	INSECTICIDE
WALNUT	8/20/2008	OMITE-6E	PROPARGITE	G	7	GA	20	3S11E29	INSECTICIDE
WALNUT	8/20/2008	OMITE-6E	PROPARGITE	G	7	GA	20	3S11E30	INSECTICIDE
WALNUT	8/20/2008	NUFOS 4E	CHLORPYRIFOS	G	10	GA	20	3S11E29	INSECTICIDE
WALNUT	8/20/2008	NUFOS 4E	CHLORPYRIFOS	G	10	GA	20	3S11E30	INSECTICIDE
ALMOND	8/20/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	6	PT	20	3S11E22	HERBICIDE
ALMOND	8/21/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	44	PT	22	3S11E20	HERBICIDE
WALNUT	8/21/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	7.5	3S11E5	FUNGICIDE
WALNUT	8/21/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	7.5	3S11E5	HERBICIDE
ALMOND	8/21/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	80	GA	160	3S11E4	FUNGICIDE
ALMOND	8/21/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	80	GA	160	3S11E4	HERBICIDE
ALMOND	8/21/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	70.4	OZ	22	3S11E20	HERBICIDE
OP-DEC. TREE	8/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	16	OZ	2	3S11E4	INSECTICIDE
WALNUT	8/22/2008	OMITE-6E	PROPARGITE	G	6.3	GA	18	3S11E29	INSECTICIDE
OP-DEC. TREE	8/22/2008	LORSBAN-75WG	CHLORPYRIFOS	G	5	LB	2	3S11E4	INSECTICIDE
WALNUT	8/22/2008	NUFOS 4E	CHLORPYRIFOS	G	9	GA	18	3S11E29	INSECTICIDE
WALNUT	8/23/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	2.5	GA	37	3S11E22	INSECTICIDE
WALNUT	8/24/2008	OMITE-6E	PROPARGITE	G	145	PT	58	2S11E33	INSECTICIDE
WALNUT	8/24/2008	NUFOS 4E	CHLORPYRIFOS	G	232	PT	58	2S11E33	INSECTICIDE
ALMOND	8/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	114	PT	57	3S12E18	HERBICIDE
ALMOND	8/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	56	PT	28	3S12E19	HERBICIDE
WALNUT	8/25/2008	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6	QT	5	3S11E21	FUNGICIDE
WALNUT	8/25/2008	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6	QT	5	3S11E21	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	8/25/2008	LORSBAN-4E	CHLORPYRIFOS	G	5	GA	10	3S11E23	INSECTICIDE
ALMOND	8/25/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	182.4	OZ	57	3S12E18	HERBICIDE
ALMOND	8/25/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	89.6	OZ	28	3S12E19	HERBICIDE
ALMOND	8/25/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	0.94	GA	3.75	3S11E8	HERBICIDE
ALMOND	8/25/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	1.27	GA	3.75	3S11E8	HERBICIDE
PLUM	8/26/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	7	LB	3.5	3S11E3	INSECTICIDE
OP-DEC. TREE	8/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	16	OZ	2	3S11E4	INSECTICIDE
WALNUT	8/28/2008	OMITE-6E	PROPARGITE	G	78.4	PT	28	3S11E29	INSECTICIDE
WALNUT	8/28/2008	NUFOS 4E	CHLORPYRIFOS	G	112	PT	28	3S11E29	INSECTICIDE

Figure 30. Location of pesticide use for Dry Creek @ Wellsford Rd – Irrigation 5 SED



**Dry Creek @ Waterford Rd**

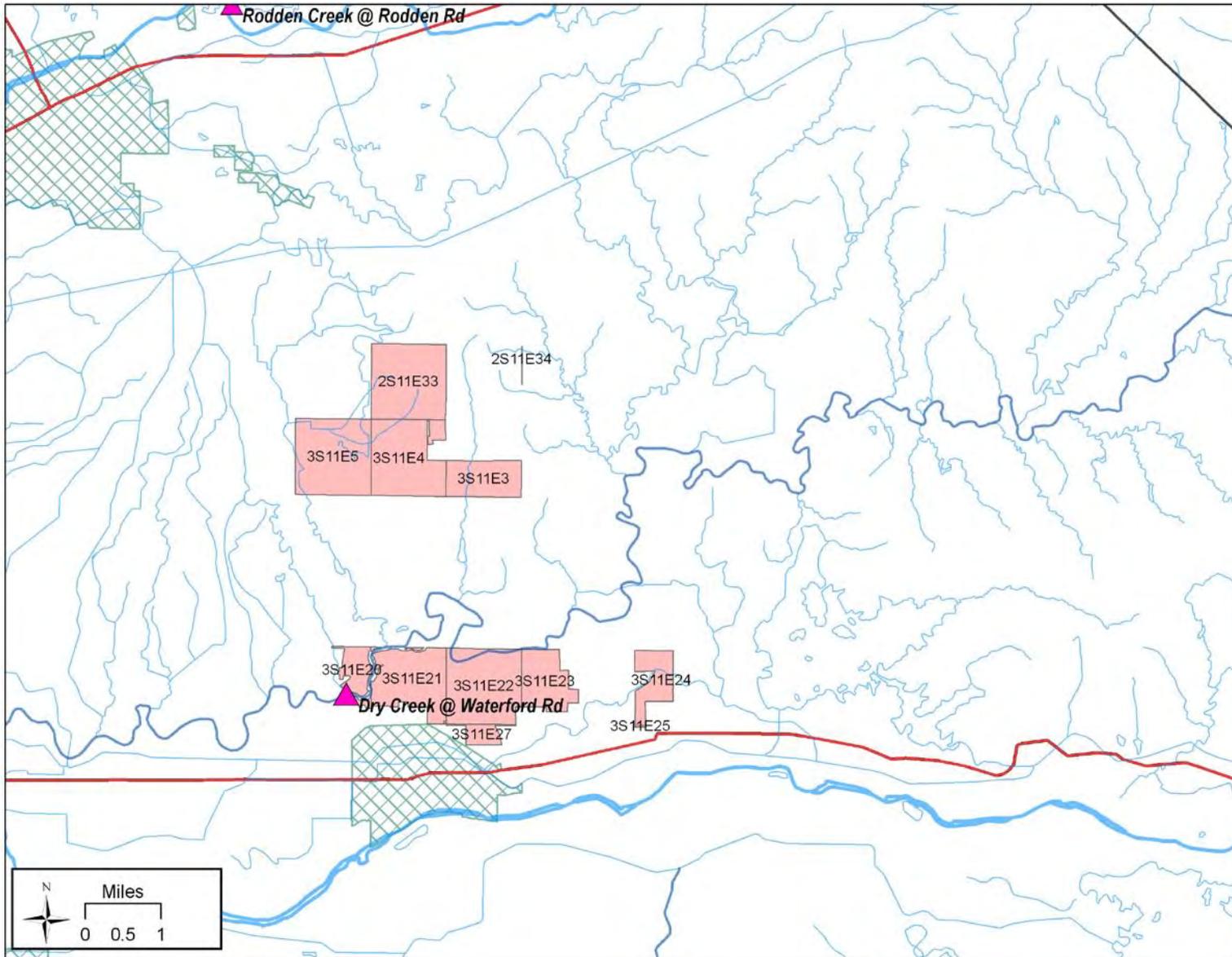
**Pesticide Use Reports for pesticide exceedances in the water column**

**Irrigation 4 MPM (7/22/08) - chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	6/25/2008	LORSBAN-4E	CHLORPYRIFOS	G	80	PT	20	3S11E23	INSECTICIDE
WALNUT	6/25/2008	NUFOS 4E	CHLORPYRIFOS	G	20	GA	80	3S11E22	INSECTICIDE
WALNUT	6/27/2008	LORSBAN-4E	CHLORPYRIFOS	G	3.75	GA	15	3S11E5	INSECTICIDE
WALNUT	6/27/2008	LORSBAN-4E	CHLORPYRIFOS	G	60	QT	30	3S11E25	INSECTICIDE
WALNUT	6/29/2008	NUFOS 4E	CHLORPYRIFOS	G	232	PT	58	2S11E33	INSECTICIDE
WALNUT	7/3/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	74	PT	37	3S11E22	INSECTICIDE
WALNUT	7/5/2008	LORSBAN-4E	CHLORPYRIFOS	G	60	QT	30	3S11E21	INSECTICIDE
WALNUT	7/5/2008	LORSBAN-4E	CHLORPYRIFOS	G	32	PT	8	3S11E22	INSECTICIDE
ALMOND	7/8/2008	LORSBAN-4E	CHLORPYRIFOS	G	48	PT	12	3S11E22	INSECTICIDE
ALMOND	7/8/2008	LORSBAN-4E	CHLORPYRIFOS	G	160	PT	40	3S11E23	INSECTICIDE
ALMOND	7/9/2008	LORSBAN-4E	CHLORPYRIFOS	G	300	PT	75	3S11E4	INSECTICIDE
ALMOND	7/9/2008	LORSBAN-4E	CHLORPYRIFOS	G	480	PT	120	2S11E33	INSECTICIDE
WALNUT	7/11/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	80	PT	20	3S11E20	INSECTICIDE
ALMOND	7/11/2008	LORSBAN-4E	CHLORPYRIFOS	G	300	PT	75	3S11E4	INSECTICIDE
ALMOND	7/11/2008	LORSBAN-4E	CHLORPYRIFOS	G	480	PT	120	2S11E33	INSECTICIDE
ALMOND	7/11/2008	NUFOS 4E	CHLORPYRIFOS	G	40	QT	40	2S11E34	INSECTICIDE
ALMOND	7/11/2008	NUFOS 4E	CHLORPYRIFOS	G	60	QT	60	3S11E3	INSECTICIDE
ALMOND	7/17/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	7	GA	14	2S11E19	INSECTICIDE
ALMOND	7/17/2008	NUFOS 4E	CHLORPYRIFOS	G	10	GA	40	2S11E34	INSECTICIDE
ALMOND	7/17/2008	NUFOS 4E	CHLORPYRIFOS	G	15	GA	60	3S11E3	INSECTICIDE
ALMOND	7/18/2008	LORSBAN-4E	CHLORPYRIFOS	G	56	PT	14	3S11E21	INSECTICIDE
ALMOND	7/18/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	PT	10	3S11E21	INSECTICIDE
ALMOND	7/19/2008	NUFOS 4E	CHLORPYRIFOS	A	340	PT	84	3S11E24	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/21/2008	LORSBAN-4E	CHLORPYRIFOS	G	32	PT	8	3S11E21	INSECTICIDE
ALMOND	7/21/2008	LORSBAN-4E	CHLORPYRIFOS	G	82	PT	82	3S11E27	INSECTICIDE
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	48	PT	12	3S11E20	INSECTICIDE
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	PT	10	3S11E20	INSECTICIDE
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	100	PT	25	3S11E20	INSECTICIDE

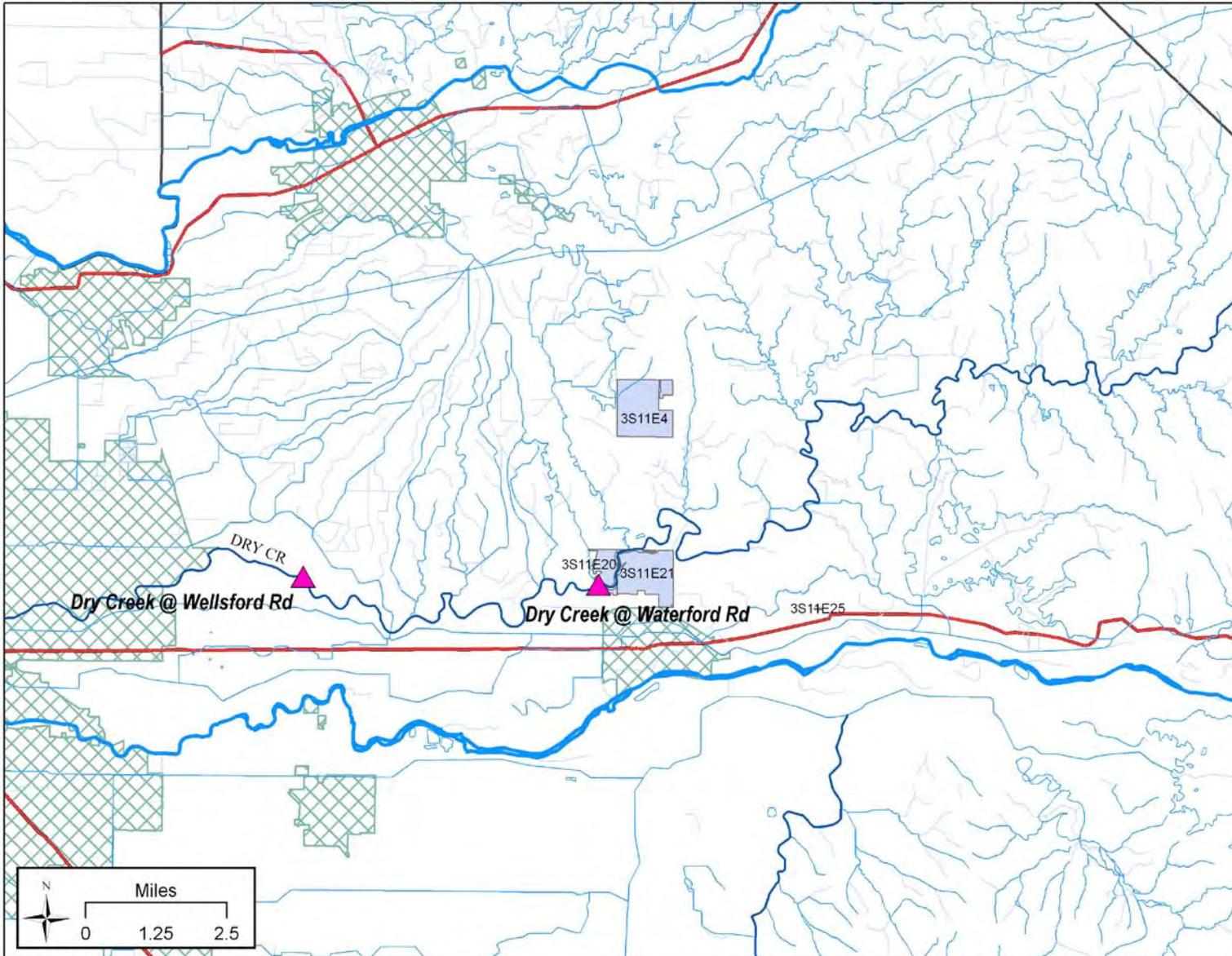
Figure 31. Location of chlorpyrifos use for Dry Creek @ Waterford Rd – Irrigation 4



**Irrigation 5 MPM (8/19/08) - chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	48	PT	12	3S11E20	INSECTICIDE
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	PT	10	3S11E20	INSECTICIDE
ALMOND	7/22/2008	LORSBAN-4E	CHLORPYRIFOS	G	100	PT	25	3S11E20	INSECTICIDE
ALMOND	7/25/2008	LORSBAN-4E	CHLORPYRIFOS	G	250	PT	250	3S11E25	INSECTICIDE
OP-DEC. TREE	7/25/2008	LORSBAN-75WG	CHLORPYRIFOS	G	8	LB	4	3S11E4	INSECTICIDE
WALNUT	7/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	1.25	GA	5	3S11E21	INSECTICIDE
OP-DEC. TREE	7/27/2008	LORSBAN-75WG	CHLORPYRIFOS	G	20	LB	8	3S11E4	INSECTICIDE
OP-DEC. TREE	7/30/2008	LORSBAN-75WG	CHLORPYRIFOS	G	12.5	LB	5	3S11E4	INSECTICIDE
ALMOND	8/8/2008	NUFOS 4E	CHLORPYRIFOS	G	288	PT	144	3S11E21	INSECTICIDE

Figure 32. Location of copper use for Dry Creek @ Waterford Rd – Irrigation 5 MPM



## Duck Slough @ Gurr Rd

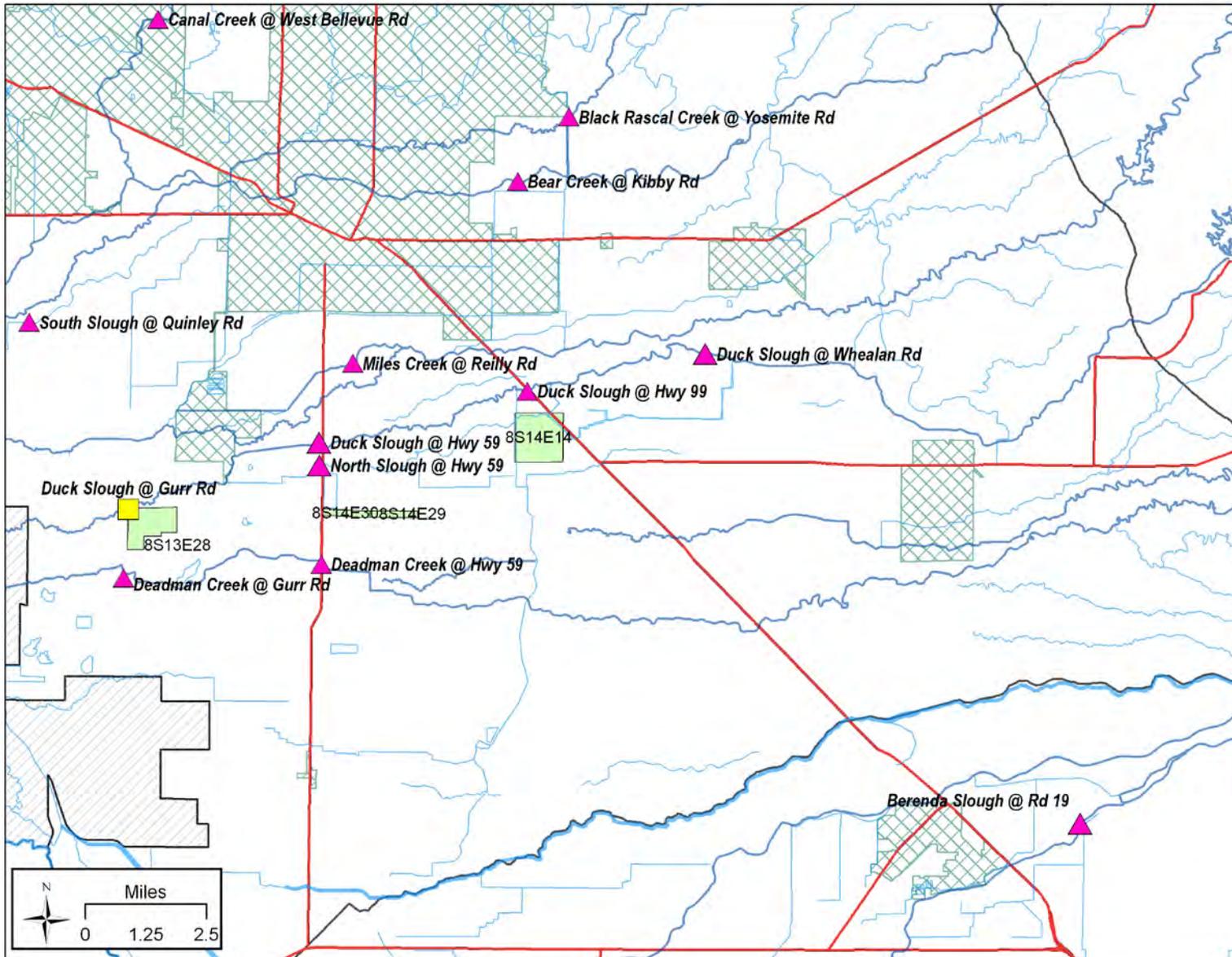
### Pesticide Use Reports for pesticide exceedances in the water column

#### Irrigation 1 (4/29/08) - carbofuran exceedance.

There was no reported use of carbofuran within four weeks prior to the exceedance. Applications that occurred within eight weeks prior to the exceedance are shown below.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/8/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	G	6.25	GA	25	8S14E14	INSECTICIDE
ALFALFA	3/8/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	G	9.5	GA	38	8S14E14	INSECTICIDE
ALFALFA	3/8/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	G	10	GA	40	8S14E14	INSECTICIDE
ALFALFA	3/15/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	A	3.01	GA	77	8S13E28	INSECTICIDE
ALFALFA	3/15/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	A	3.07	GA	78.7	8S13E28	INSECTICIDE
ALFALFA	3/15/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	A	2.28	GA	58.4	8S13E28	INSECTICIDE
ALFALFA	3/15/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	A	2.27	GA	58	8S13E28	INSECTICIDE
ALFALFA	3/15/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	A	6.59	GA	158	8S14E30	INSECTICIDE
ALFALFA	3/15/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	G	4	GA	96	8S14E29	INSECTICIDE
ALFALFA	3/24/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	G	3.34	GA	80	8S14E30	INSECTICIDE
ALFALFA	3/24/2008	FURADAN 4F INSECTICIDE-NEMATICIDE	CARBOFURAN	A	3.46	GA	83	8S14E30	INSECTICIDE

Figure 33. Location of carbofuran use for Duck Slough @ Gurr – Irrigation 1



## Pesticide Use Reports for sediment toxicity

### Irrigation 5 SED (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.45	GA	56	8S14E13	INSECTICIDE
ALFALFA	3/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.03	GA	74	8S15E14	INSECTICIDE
ALFALFA	3/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.45	GA	56	8S14E13	INSECTICIDE
ALFALFA	3/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.85	GA	74	8S13E20	INSECTICIDE
ALFALFA	3/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.11	GA	84.42	8S13E20	INSECTICIDE
ALFALFA	3/19/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	A	1.44	GA	66	8S14E16	INSECTICIDE
ALFALFA	3/19/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	A	1.05	GA	48	8S14E9	INSECTICIDE
ALFALFA	3/19/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	A	2.12	GA	90	8S13E22	INSECTICIDE
ALFALFA	3/19/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	A	1.88	GA	80	8S13E22	INSECTICIDE
ALFALFA	3/19/2008	SILENCER	LAMBDA-CYHALOTHRIN	A	125.44	FLOZ	45	8S14E9	INSECTICIDE
ALFALFA	3/21/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	A	0.89	GA	32.2	8S13E23	INSECTICIDE
ALFALFA	3/21/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	A	1.11	GA	40	8S13E23	INSECTICIDE
ALFALFA	3/28/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.88	GA	91	8S14E30	INSECTICIDE
TOMATO	3/31/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	1.2	GA	55	8S16E19	INSECTICIDE
N-OUTDOOR PLANT	4/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	2	8S16E18	INSECTICIDE
N-OUTDOOR PLANT	4/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	2	8S15E11	INSECTICIDE
N-OUTDOOR PLANT	4/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.3	GA	8	8S16E18	INSECTICIDE
N-OUTDOOR PLANT	4/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	4	8S15E11	INSECTICIDE
CORN HUMAN CONSUMP	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	1250	LBS	125	8S15E5	INSECTICIDE
TOMATO	4/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	17.5	OZ	7	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	14.8	OZ	4	8S16E18	INSECTICIDE
PLUM	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.9	GA	32	8S15E11	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PLUM	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	3	8S15E11	INSECTICIDE
PISTACHIO	5/2/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	126	OZ	45	8S14E2	INSECTICIDE
ALMOND	5/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.33	GA	37.3	8S16E18	INSECTICIDE
ALMOND	5/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.31	GA	37	8S15E24	INSECTICIDE
ALMOND	5/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.25	GA	36	8S15E24	INSECTICIDE
PLUM	5/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S15E11	INSECTICIDE
NECTARINE	5/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	8S15E11	INSECTICIDE
TOMATO	5/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.44	GA	62.9	8S13E17	INSECTICIDE
TOMATO	5/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.5	GA	13	8S14E14	INSECTICIDE
TOMATO	5/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.1	GA	80	8S14E14	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.75	GA	28	8S16E20	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	120	OZ	15	8S16E18	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	260	OZ	32.5	8S16E18	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	20	8S16E21	INSECTICIDE
PEPPER FRUITING	5/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.1	GA	19	8S15E24	INSECTICIDE
CORN FOR/FOD	5/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	98.8	OZ	49.4	8S13E21	INSECTICIDE
PEPPER FRUITING	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	36	8S15E16	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	32	8S14E13	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	1.09	GA	20	8S16E20	INSECTICIDE
PEACH	5/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	80	OZ	10	8S14E11	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	98	PT	49	8S14E16	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	116	PT	58	8S14E16	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	24	PT	12	8S14E16	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	44	PT	22	8S14E16	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	96	PT	48	8S14E16	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.37	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	18.5	8S15E6	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.69	GA	29	8S15E6	INSECTICIDE
COTTON	6/6/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	18	OZ	18	8S15E19	INSECTICIDE
COTTON	6/6/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	1.9	GA	75	8S15E5	INSECTICIDE
PEPPER FRUITING	6/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	106	OZ	38	8S15E24	INSECTICIDE
COTTON	6/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.87	GA	48.8	8S13E24	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.38	GA	16	8S14E2	INSECTICIDE
COTTON	6/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.6	GA	90	8S13E26	INSECTICIDE
COTTON	6/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.53	GA	30	8S13E27	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.6	GA	25	8S14E1	INSECTICIDE
COTTON	6/12/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	112	OZ	28	8S14E24	INSECTICIDE
CORN FOR/FOD	6/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1	GA	38	8S14E5	INSECTICIDE
COTTON	6/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	280	OZ	70	8S14E13	INSECTICIDE
COTTON	6/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	80	OZ	20	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	6/14/2008	POUNCE 3.2 EC	PERMETHRIN	G	15	OZ	15	8S15E15	INSECTICIDE
COTTON	6/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	432	OZ	108	8S14E12	INSECTICIDE
OAT FOR/FOD	6/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	2050.92	LBS	243	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	6/18/2008	POUNCE 3.2 EC	PERMETHRIN	G	150	OZ	15	8S15E15	INSECTICIDE
PEPPER FRUITING	6/20/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	0.9	GA	23	8S15E24	INSECTICIDE
N-OUTDOOR PLANT	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	50	8S15E15	INSECTICIDE
PEPPER FRUITING	6/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.7	GA	36	8S15E16	INSECTICIDE
COTTON	6/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	212.4	OZ	106.2	8S13E28	INSECTICIDE
COTTON	6/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	174.6	OZ	87.3	8S13E28	INSECTICIDE
COTTON	6/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	27	OZ	18	8S15E19	INSECTICIDE
TOMATO	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.6	GA	55	8S16E19	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.43	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.68	GA	29	8S15E6	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.36	GA	15.5	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	75	8S15E15	INSECTICIDE
PLUM	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S15E11	INSECTICIDE
NECTARINE	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	8S15E11	INSECTICIDE
PEPPER FRUITING	6/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	32.6	8S16E21	INSECTICIDE
COTTON	6/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.76	GA	75	8S15E5	INSECTICIDE
TOMATO	6/29/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2.5	GA	80	8S14E14	INSECTICIDE
COTTON	7/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.35	GA	16	8S14E2	INSECTICIDE
N-OUTDOOR PLANT	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
COTTON	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.17	GA	50	8S14E1	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	128	OZ	32	8S14E5	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	76	OZ	19	8S15E8	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	948	OZ	237	8S15E17	INSECTICIDE
COTTON	7/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	312.4	FLOZ	78.1	8S13E29	INSECTICIDE
PEACH	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	32	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	7/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
COTTON	7/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	300.4	OZ	75.1	8S13E29	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.5	GA	35	8S15E15	INSECTICIDE
COTTON	7/10/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	304.4	OZ	76.1	8S13E29	INSECTICIDE
COTTON	7/10/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	339.2	FLOZ	84.8	8S13E29	INSECTICIDE
TOMATO	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	18	8S16E17	INSECTICIDE
TOMATO	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	15	8S14E13	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6	GA	60	8S15E15	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
SUDANGRASS	7/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	220.2	OZ	73.4	8S13E20	INSECTICIDE
TOMATO	7/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.2	GA	55	8S16E19	INSECTICIDE
COTTON	7/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.07	GA	90	8S13E26	INSECTICIDE
COTTON	7/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.58	GA	48.8	8S13E24	INSECTICIDE
COTTON	7/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.36	GA	30	8S13E27	INSECTICIDE
ALMOND	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	8S16E21	INSECTICIDE
CORN FOR/FOD	7/13/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	450	OZ	90	8S14E20	INSECTICIDE
CORN FOR/FOD	7/13/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	375	OZ	75	8S14E16	INSECTICIDE
PISTACHIO	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	8S15E5	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	850	OZ	85	8S16E18	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S16E18	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	210	OZ	21	8S15E10	INSECTICIDE
ALMOND	7/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	1.59	GA	58	8S16E20	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	60	OZ	6	8S16E17	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13.5	GA	135	8S15E2	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.6	GA	36	8S16E18	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.8	GA	28	8S16E20	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.7	GA	37	8S15E24	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	30	8S16E16	INSECTICIDE
SUDANGRASS	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.6	GA	20	8S14E3	INSECTICIDE
N-OUTDOOR PLANT	7/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
COTTON	7/18/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	192.4	OZ	60	8S13E20	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7.1	GA	71	8S16E18	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.85	GA	37	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.4	GA	8	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.25	GA	25	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1	GA	20	8S14E27	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.5	GA	10	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.75	GA	15	8S14E27	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	2	GA	40	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	8S14E22	INSECTICIDE
N-OUTDOOR PLANT	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
COTTON	7/24/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	390.5	OZ	78.1	8S13E29	INSECTICIDE
COTTON	7/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	128	OZ	30	8S13E27	INSECTICIDE
CORN FOR/FOD	7/25/2008	BIFENTURE	BIFENTHRIN	A	1.75	GA	35	8S13E20	INSECTICIDE
N-OUTDOOR PLANT	7/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.96	GA	55	8S15E15	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	15	8S16E18	INSECTICIDE
TOMATO	7/30/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	3.18	QT	34	8S15E6	INSECTICIDE
ALFALFA	7/31/2008	STEWARD EC	INDOXACARB	A	4.82	GA	91	8S14E30	INSECTICIDE
TOMATO	7/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.12	GA	18	8S16E17	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1	GA	32	8S14E2	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1.81	GA	58	8S15E6	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	0.97	GA	31	8S15E6	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1.56	GA	50	8S14E1	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	4.69	GA	150	8S15E5	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1.16	GA	37	8S15E6	INSECTICIDE
ALMOND	7/31/2008	APOLLO SC OVICIDE/MITICIDE	CLOFENTEZINE	G	40	OZ	10	8S14E12	INSECTICIDE
ALMOND	7/31/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	3.4	GA	8	8S15E11	HERBICIDE
ALMOND	7/31/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	2.5	GA	6	8S15E12	HERBICIDE
ALMOND	7/31/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.8	GA	2	8S15E13	HERBICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	348	OZ	58	8S13E28	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	350.4	OZ	58.4	8S13E28	INSECTICIDE
ALFALFA	7/31/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.82	GA	91	8S14E30	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	3.04	GA	64.8	8S14E28	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	2.67	GA	56.9	8S14E21	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	1.73	GA	36.8	8S14E28	INSECTICIDE
ALFALFA	8/1/2008	STEWARD EC	INDOXACARB	A	1.89	GA	40.3	8S14E28	INSECTICIDE
ALMOND	8/1/2008	APOLLO SC OVICIDE/MITICIDE	CLOFENTEZINE	G	84	OZ	21	8S15E12	INSECTICIDE
ALMOND	8/1/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.3	GA	3	8S15E12	HERBICIDE
COTTON	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	84.8	PT	84.8	8S13E29	INSECTICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.85	GA	20	8S15E15	HERBICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.24	GA	46	8S15E15	HERBICIDE
COTTON	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	76.1	PT	76.1	8S13E29	INSECTICIDE
ALMOND	8/2/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	15.63	GA	50	8S15E9	HERBICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S13E25	INSECTICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.38	GA	8	8S13E25	INSECTICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S13E25	INSECTICIDE
ALFALFA	8/3/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	3.98	GA	76	8S14E19	INSECTICIDE
N-OUTDOOR PLANT	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.06	GA	55	8S15E15	INSECTICIDE
ALMOND	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	40	OZ	10	8S15E24	INSECTICIDE
ALMOND	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	48	OZ	9	8S16E18	INSECTICIDE
ALMOND	8/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	78	8S15E8	HERBICIDE
ALMOND	8/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	16.4	GA	43	8S15E9	HERBICIDE
ALFALFA	8/3/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	18.25	GA	73	8S15E13	INSECTICIDE
ALMOND	8/3/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	16.25	GA	52	8S15E9	HERBICIDE
ALMOND	8/4/2008	OMITE-6E	PROPARGITE	G	36	PT	18	8S15E24	INSECTICIDE
ALMOND	8/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	18	8S15E24	INSECTICIDE
WALNUT	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	69.93	PT	78	8S14E11	HERBICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	108	OZ	27	8S15E24	INSECTICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	96	OZ	24	8S16E18	INSECTICIDE
ALMOND	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	11.25	GA	30	8S16E16	HERBICIDE
ALMOND	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.2	GA	46	8S15E9	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-OUTDOOR PLANT	8/4/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.8	GA	2	8S15E11	HERBICIDE
ALMOND	8/4/2008	ZEAL MITICIDE	ETOXAZOLE	G	54	OZ	18	8S15E24	INSECTICIDE
ALMOND	8/4/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	16.67	GA	53.33	8S15E9	HERBICIDE
ALMOND	8/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	8S16E17	INSECTICIDE
ALMOND	8/5/2008	OMITE-6E	PROPARGITE	G	36	PT	18	8S15E24	INSECTICIDE
PLUM	8/5/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.3	GA	3	8S15E11	HERBICIDE
ALMOND	8/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	18	8S15E24	INSECTICIDE
ALMOND	8/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54	OZ	13.5	8S16E18	INSECTICIDE
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6.4	GA	17	8S15E9	HERBICIDE
N-OUTDOOR PLANT	8/5/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	2	GA	4	8S15E11	HERBICIDE
ALMOND	8/5/2008	ZEAL MITICIDE	ETOXAZOLE	G	54	OZ	18	8S15E24	INSECTICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	150	LBS	150	8S15E9	INSECTICIDE
N-OUTDOOR PLANT	8/6/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1	GA	2	8S16E18	HERBICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.63	GA	43	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.86	GA	46	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.81	GA	17	8S15E9	INSECTICIDE
ALMOND	8/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E18	INSECTICIDE
ALMOND	8/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	160	LBS	160	8S15E9	INSECTICIDE
ALMOND	8/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	156	LBS	156	8S15E9	INSECTICIDE
CORN FOR/FOD	8/7/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	0.33	GA	5	8S13E27	INSECTICIDE
CORN FOR/FOD	8/7/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1.33	GA	20	8S13E27	INSECTICIDE
CORN FOR/FOD	8/7/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	0.33	GA	5	8S13E27	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	5	GA	64	8S14E8	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	5.16	GA	66	8S14E16	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	3.83	GA	79	8S14E11	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	6.15	GA	127	8S14E1	INSECTICIDE
ALMOND	8/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8	GA	76	8S15E8	INSECTICIDE
ALMOND	8/7/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	2.5	GA	76	8S15E8	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.57	GA	18	8S15E10	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
CORN FOR/FOD	8/7/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	0.93	GA	14	8S13E24	INSECTICIDE
CORN FOR/FOD	8/7/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	0.93	GA	14	8S13E24	INSECTICIDE
CORN FOR/FOD	8/7/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1.13	GA	17	8S13E23	INSECTICIDE
WALNUT	8/7/2008	ABBA 0.15 EC	Abamectin	G	390	OZ	78	8S14E11	INSECTICIDE
ALFALFA	8/7/2008	FYFANON 8 LB. EMULSION	MALATHION	A	20.03	GA	127	8S14E1	INSECTICIDE
ALFALFA	8/7/2008	FYFANON 8 LB. EMULSION	MALATHION	A	12.46	GA	79	8S14E11	INSECTICIDE
ALMOND	8/7/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	11.8	GA	40	8S15E10	HERBICIDE
ALMOND	8/7/2008	ZEAL MITICIDE(1)	ETOXAZOLE	G	225	OZ	75	8S15E11	INSECTICIDE
WALNUT	8/7/2008	LORSBAN-4E	CHLORPYRIFOS	G	78	QT	78	8S14E11	INSECTICIDE
ALFALFA	8/8/2008	STEWARD EC	INDOXACARB	A	2.47	GA	52.7	8S14E28	INSECTICIDE
ALFALFA	8/8/2008	STEWARD EC	INDOXACARB	A	3.44	GA	73.4	8S14E21	INSECTICIDE
ALFALFA	8/8/2008	STEWARD EC	INDOXACARB	G	128	OZ	20	7S15E33	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	37.2	PT	33	7S15E34	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.7	GA	130	8S15E2	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	7.92	PT	7	7S15E34	INSECTICIDE
ALFALFA	8/8/2008	FYFANON 8 LB. EMULSION	MALATHION	A	6.59	GA	52.7	8S14E28	INSECTICIDE
ALFALFA	8/8/2008	FYFANON 8 LB. EMULSION	MALATHION	A	9.18	GA	73.4	8S14E21	INSECTICIDE
ALMOND	8/8/2008	ZEAL MITICIDE(1)	ETOXAZOLE	G	225	OZ	75	8S15E11	INSECTICIDE
CORN FOR/FOD	8/8/2008	COMITE	PROPARGITE	A	45	QT	45	8S14E15	INSECTICIDE
CORN FOR/FOD	8/8/2008	COMITE	PROPARGITE	A	95	QT	95	8S14E15	INSECTICIDE
ALMOND	8/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	55	OZ	5.5	8S16E17	INSECTICIDE
ALFALFA	8/9/2008	STEWARD EC	INDOXACARB	A	4.92	GA	105	8S14E1	INSECTICIDE
ALFALFA	8/9/2008	STEWARD EC	INDOXACARB	A	354	OZ	59	8S13E17	INSECTICIDE
ALFALFA	8/9/2008	STEWARD EC	INDOXACARB	A	354	OZ	59	8S13E17	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/9/2008	STEWARD EC	INDOXACARB	A	456	OZ	76	8S13E17	INSECTICIDE
ALFALFA	8/9/2008	STEWARD EC	INDOXACARB	A	360	OZ	60	8S13E17	INSECTICIDE
N-OUTDOOR PLANT	8/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.81	GA	75	8S15E15	INSECTICIDE
CORN FOR/FOD	8/9/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	4.05	GA	74	8S14E3	INSECTICIDE
CORN FOR/FOD	8/9/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1.93	GA	29	8S14E3	INSECTICIDE
ALFALFA	8/9/2008	FYFANON 8 LB. EMULSION	MALATHION	A	17.47	GA	105	8S14E1	INSECTICIDE
ALFALFA	8/9/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	472	OZ	59	8S13E17	INSECTICIDE
ALFALFA	8/9/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	472	OZ	59	8S13E17	INSECTICIDE
ALFALFA	8/9/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	480	OZ	60	8S13E17	INSECTICIDE
ALFALFA	8/9/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	608	OZ	76	8S13E17	INSECTICIDE
ALMOND	8/10/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	5.6	GA	19	8S15E13	HERBICIDE
ALMOND	8/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.11	GA	75	8S15E13	INSECTICIDE
ALMOND	8/11/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	3.8	GA	14	8S15E11	HERBICIDE
ALMOND	8/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	12	GA	36	8S15E15	HERBICIDE
PEACH	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.94	GA	12	8S14E13	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
ALFALFA	8/13/2008	STEWARD EC	INDOXACARB	A	4.84	GA	90	8S13E22	INSECTICIDE
ALFALFA	8/13/2008	STEWARD EC	INDOXACARB	A	2.58	GA	48	8S13E23	INSECTICIDE
ALFALFA	8/13/2008	STEWARD EC	INDOXACARB	A	2.58	GA	48	8S13E23	INSECTICIDE
ALMOND	8/13/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	2.5	GA	6	8S15E13	HERBICIDE
ALFALFA	8/13/2008	STEWARD EC	INDOXACARB	A	4	GA	72	8S13E12	INSECTICIDE
TOMATO	8/13/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	14.66	LBS	69.2	8S15E6	INSECTICIDE
TOMATO	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.63	GA	69.2	8S15E6	INSECTICIDE
ALMOND	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.06	GA	36	8S15E15	INSECTICIDE
TOMATO	8/13/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	40.74	LBS	69.2	8S15E6	FUNGICIDE
ALFALFA	8/13/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	6	GA	48	8S14E9	INSECTICIDE

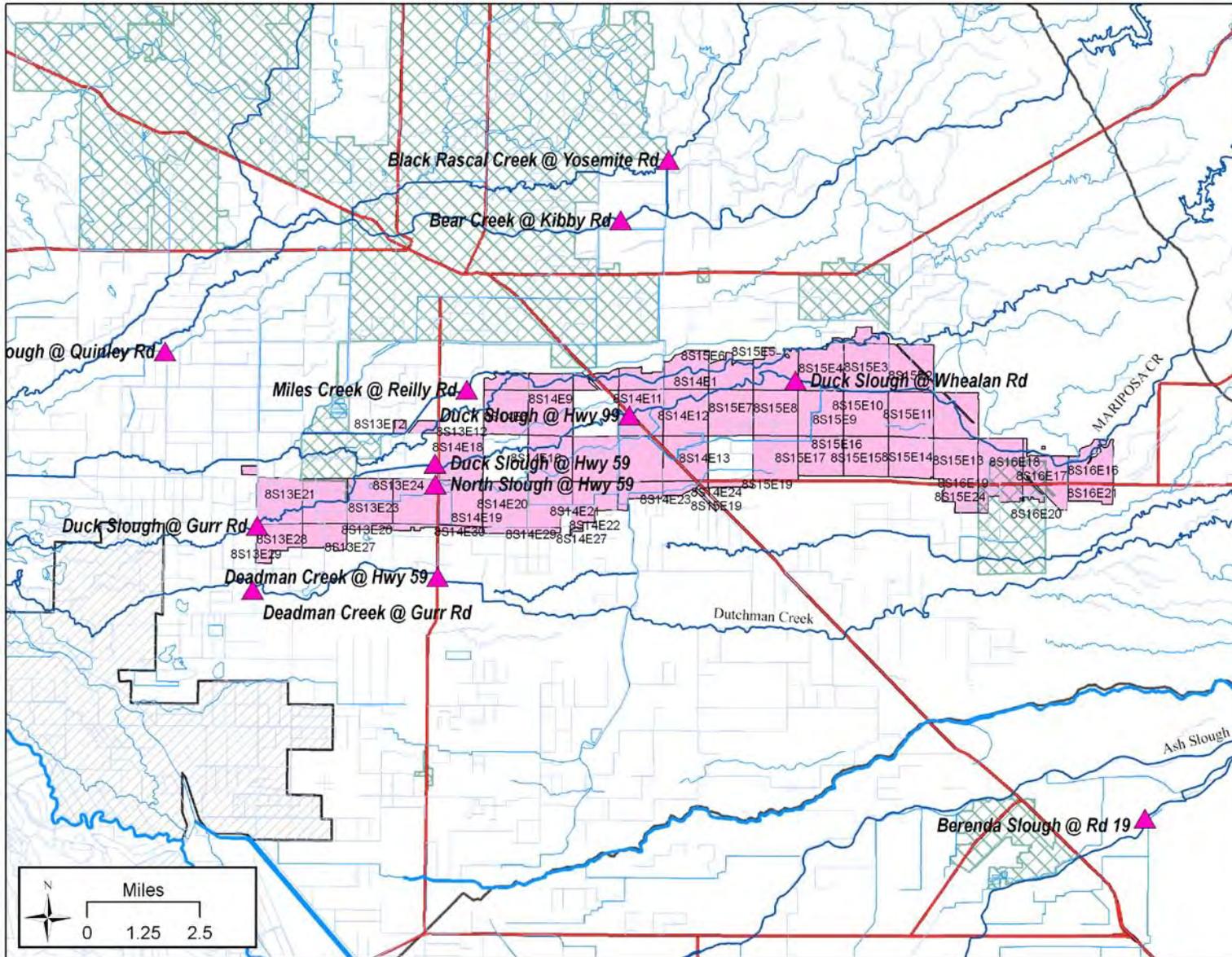
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/14/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	3.12	GA	25	8S16E16	INSECTICIDE
ALMOND	8/14/2008	OMITE-6E	PROPARGITE	G	2880	OZ	60	8S15E9	INSECTICIDE
ALFALFA	8/14/2008	STEWARD EC	INDOXACARB	G	100.5	OZ	15	8S14E14	INSECTICIDE
ALFALFA	8/14/2008	STEWARD EC	INDOXACARB	G	321.6	OZ	48	8S14E15	INSECTICIDE
ALFALFA	8/14/2008	STEWARD EC	INDOXACARB	G	770.5	OZ	115	8S14E23	INSECTICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	7.8	GA	78	8S15E8	INSECTICIDE
ALMOND	8/14/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	A	2.44	GA	78	8S15E8	INSECTICIDE
ALMOND	8/14/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	43.5	8S15E4	HERBICIDE
ALMOND	8/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	40	OZ	10	8S16E20	INSECTICIDE
ALMOND	8/14/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	73.14	PT	36	8S15E16	HERBICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	0.75	GA	12	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	1.19	GA	19	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	1.82	GA	38.8	8S14E28	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	1.13	GA	18	8S14E5	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	1.56	GA	25	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	2.38	GA	38	8S14E9	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	4.25	GA	68	8S14E2	INSECTICIDE
ALFALFA	8/15/2008	GOWAN MALATHION 8 FLOWABLE	MALATHION	A	8.5	GA	68	8S14E2	INSECTICIDE
WALNUT	8/15/2008	CLINCH ANT BAIT	ABAMECTIN	G	25	LBS	25	8S15E15	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E20	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.7	OZ	60	8S15E11	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	0.75	GA	12	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.19	GA	19	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.56	GA	25	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	2.38	GA	38	8S14E9	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.13	GA	18	8S14E5	INSECTICIDE
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S14E19	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.09	GA	2	8S14E19	INSECTICIDE
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	1.03	GA	21.93	8S13E25	INSECTICIDE
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S14E19	INSECTICIDE
ALFALFA	8/16/2008	STEWARD EC	INDOXACARB	A	10	GA	158	8S14E30	INSECTICIDE
ALFALFA	8/16/2008	STEWARD EC	INDOXACARB	A	3.01	GA	55	8S15E10	INSECTICIDE
TOMATO	8/16/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	112	OZ	32	8S15E15	INSECTICIDE
ALMOND	8/16/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	43.2	GA	63	8S15E8	HERBICIDE
COTTON	8/16/2008	CENTRIC 40WG	THIAMETHOXAM	A	190.25	OZ	76.1	8S13E29	INSECTICIDE
ALMOND	8/16/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	290	OZ	20	8S14E12	INSECTICIDE
ALFALFA	8/16/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	7.51	GA	158	8S14E30	INSECTICIDE
ALMOND	8/17/2008	GRAMOXONE MAX	PARAQUAT DICHLORIDE	G	4.5	GA	32	8S16E18	HERBICIDE
ALMOND	8/17/2008	NUFOS 4E	CHLORPYRIFOS	G	2.5	GA	32	8S16E18	INSECTICIDE
N-OUTDOOR PLANT	8/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	5.68	GA	75	8S15E15	INSECTICIDE
ALMOND	8/17/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	2.5	GA	32	8S16E18	INSECTICIDE
ALMOND	8/18/2008	OMITE-6E	PROPARGITE	G	1.66	GA	8	8S16E18	INSECTICIDE
CORN FOR/FOD	8/19/2008	COMITE	PROPARGITE	A	29.12	OZ	28	8S14E21	INSECTICIDE
CORN FOR/FOD	8/19/2008	COMITE	PROPARGITE	A	18.72	OZ	18	8S14E21	INSECTICIDE
TOMATO	8/19/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	3.94	LBS	18	8S16E17	INSECTICIDE
ALFALFA	8/19/2008	STEWARD EC	INDOXACARB	G	854	OZ	122	8S15E7	INSECTICIDE
ALMOND	8/19/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	43.5	8S15E2	HERBICIDE
CORN FOR/FOD	8/19/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1.48	GA	25	8S14E5	INSECTICIDE
CORN FOR/FOD	8/19/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	2.97	GA	50	8S14E5	INSECTICIDE
ALFALFA	8/19/2008	FYFANON 8 LB. EMULSION	MALATHION	G	2879.2	OZ	122	8S15E7	INSECTICIDE
CORN FOR/FOD	8/20/2008	BIFENTURE	BIFENTHRIN	A	10.19	GA	243	8S15E6	INSECTICIDE
CORN FOR/FOD	8/21/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	2	GA	40	8S15E8	INSECTICIDE
CORN FOR/FOD	8/21/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1	GA	20	8S15E7	INSECTICIDE
ALFALFA	8/21/2008	DU PONT STEWARD INSECTICIDE	INDOXACARB	A	3.98	GA	76	8S14E19	INSECTICIDE
ALMOND	8/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.65	GA	17	8S15E9	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	20.7	GA	46	8S15E9	HERBICIDE
ALMOND	8/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	19.35	GA	43	8S15E9	HERBICIDE
ALMOND	8/21/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	3.8	GA	15	8S15E12	HERBICIDE
ALFALFA	8/21/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	3.98	GA	76	8S14E19	INSECTICIDE
ALFALFA	8/22/2008	STEWARD EC	INDOXACARB	G	4.81	GA	96	8S14E29	INSECTICIDE
ALMOND	8/22/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	7.5	GA	24	8S15E11	HERBICIDE
N-OUTDOOR PLANT	8/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.3	GA	55	8S15E15	INSECTICIDE
ALMOND	8/22/2008	ZEAL MITICIDE	ETOXAZOLE	G	1.88	LBS	10	8S16E18	INSECTICIDE
TOMATO	8/23/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	14.66	LBS	69.2	8S15E6	INSECTICIDE
WALNUT	8/23/2008	CLINCH ANT BAIT	ABAMECTIN	G	36	LBS	36	8S15E12	INSECTICIDE
TOMATO	8/23/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	52.98	LBS	69.2	8S15E6	FUNGICIDE
ALFALFA	8/24/2008	STEWARD EC	INDOXACARB	A	2.77	GA	40	8S13E23	INSECTICIDE
ALFALFA	8/24/2008	STEWARD EC	INDOXACARB	A	2.23	GA	32.2	8S13E23	INSECTICIDE
ALFALFA	8/24/2008	STEWARD EC	INDOXACARB	A	3.83	GA	73.2	8S14E21	INSECTICIDE
ALFALFA	8/24/2008	STEWARD EC	INDOXACARB	A	2.5	GA	40	8S14E2	INSECTICIDE
CORN FOR/FOD	8/24/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	4.46	GA	67.2	8S14E28	INSECTICIDE
ALFALFA	8/24/2008	MALATHION 8EC	MALATHION	A	13.73	GA	73.2	8S14E21	INSECTICIDE
ALFALFA	8/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.77	GA	40	8S13E23	INSECTICIDE
ALFALFA	8/24/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	2.23	GA	32.2	8S13E23	INSECTICIDE
ALFALFA	8/24/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	17	GA	136	8S14E2	INSECTICIDE
WALNUT	8/25/2008	CLINCH ANT BAIT	ABAMECTIN	G	58	LBS	58	8S15E12	INSECTICIDE
ALMOND	8/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	4.6	GA	12.2	8S15E15	HERBICIDE
ALMOND	8/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	13.75	GA	76	8S15E13	HERBICIDE
ALMOND	8/26/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.9	GA	7	8S15E2	HERBICIDE
ALMOND	8/26/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	8.7	GA	32	8S15E11	HERBICIDE
WALNUT	8/26/2008	CLINCH ANT BAIT	ABAMECTIN	G	20	LBS	20	8S15E15	INSECTICIDE
ALMOND	8/26/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.25	GA	22	8S15E15	HERBICIDE
WALNUT	8/26/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	15	QT	7.5	8S15E11	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	A	4.33	GA	80	8S14E30	INSECTICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	G	767.6	OZ	95	7S15E33	INSECTICIDE
ALMOND	8/27/2008	CLINCH ANT BAIT	ABAMECTIN	G	8.5	LBS	8.5	8S14E18	INSECTICIDE
ALMOND	8/27/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	13.88	GA	37	8S15E15	HERBICIDE
CORN FOR/FOD	8/27/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	3.12	GA	47	8S13E24	INSECTICIDE
CORN FOR/FOD	8/27/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	2.86	GA	43	8S13E24	INSECTICIDE
ALFALFA	8/27/2008	NUFOS 4E	CHLORPYRIFOS	A	12.75	GA	68	8S15E3	INSECTICIDE
ALFALFA	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	7.5	GA	60	8S14E16	INSECTICIDE
ALFALFA	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	5.75	GA	46	8S14E9	INSECTICIDE
ALFALFA	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	5.63	GA	45	8S14E9	INSECTICIDE
CORN FOR/FOD	8/27/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	8.39	GA	43	8S13E24	INSECTICIDE
CORN FOR/FOD	8/27/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	9.17	GA	47	8S13E24	INSECTICIDE
ALFALFA	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	5.5	GA	44	8S14E16	INSECTICIDE
ALFALFA	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	7.75	GA	62	8S14E8	INSECTICIDE

Figure 34. Location of pesticide use for Duck Slough @ Gurr Rd – Irrigation 5 SED



**Irrigation 5 SED RS (10/2/08) – *Hyaella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN HUMAN CONSUMP	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	1250	LBS	125	8S15E5	INSECTICIDE
TOMATO	4/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	17.5	OZ	7	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	14.8	OZ	4	8S16E18	INSECTICIDE
PLUM	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.9	GA	32	8S15E11	INSECTICIDE
PLUM	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	3	8S15E11	INSECTICIDE
PISTACHIO	5/2/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	126	OZ	45	8S14E2	INSECTICIDE
ALMOND	5/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.33	GA	37.3	8S16E18	INSECTICIDE
ALMOND	5/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.31	GA	37	8S15E24	INSECTICIDE
ALMOND	5/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.25	GA	36	8S15E24	INSECTICIDE
PLUM	5/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S15E11	INSECTICIDE
NECTARINE	5/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	8S15E11	INSECTICIDE
TOMATO	5/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	2.44	GA	62.9	8S13E17	INSECTICIDE
TOMATO	5/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	0.5	GA	13	8S14E14	INSECTICIDE
TOMATO	5/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	3.1	GA	80	8S14E14	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.75	GA	28	8S16E20	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	120	OZ	15	8S16E18	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	260	OZ	32.5	8S16E18	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	20	8S16E21	INSECTICIDE
PEPPER FRUITING	5/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.1	GA	19	8S15E24	INSECTICIDE
CORN FOR/FOD	5/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	98.8	OZ	49.4	8S13E21	INSECTICIDE
PEPPER FRUITING	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	36	8S15E16	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	32	8S14E13	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	1.09	GA	20	8S16E20	INSECTICIDE
PEACH	5/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	80	OZ	10	8S14E11	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	98	PT	49	8S14E16	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	116	PT	58	8S14E16	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	24	PT	12	8S14E16	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	44	PT	22	8S14E16	INSECTICIDE
CORN FOR/FOD	6/4/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	96	PT	48	8S14E16	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.37	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.69	GA	29	8S15E6	INSECTICIDE
COTTON	6/6/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	18	OZ	18	8S15E19	INSECTICIDE
COTTON	6/6/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	1.9	GA	75	8S15E5	INSECTICIDE
PEPPER FRUITING	6/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	106	OZ	38	8S15E24	INSECTICIDE
COTTON	6/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.87	GA	48.8	8S13E24	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.38	GA	16	8S14E2	INSECTICIDE
COTTON	6/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.6	GA	90	8S13E26	INSECTICIDE
COTTON	6/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.53	GA	30	8S13E27	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.6	GA	25	8S14E1	INSECTICIDE
COTTON	6/12/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	112	OZ	28	8S14E24	INSECTICIDE
CORN FOR/FOD	6/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1	GA	38	8S14E5	INSECTICIDE
COTTON	6/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	280	OZ	70	8S14E13	INSECTICIDE
COTTON	6/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	80	OZ	20	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	6/14/2008	POUNCE 3.2 EC	PERMETHRIN	G	15	OZ	15	8S15E15	INSECTICIDE
COTTON	6/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	432	OZ	108	8S14E12	INSECTICIDE
OAT FOR/FOD	6/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	2050.92	LBS	243	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	6/18/2008	POUNCE 3.2 EC	PERMETHRIN	G	150	OZ	15	8S15E15	INSECTICIDE
PEPPER FRUITING	6/20/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	0.9	GA	23	8S15E24	INSECTICIDE
N-OUTDOOR PLANT	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	50	8S15E15	INSECTICIDE
PEPPER FRUITING	6/24/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.7	GA	36	8S15E16	INSECTICIDE
COTTON	6/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	212.4	OZ	106.2	8S13E28	INSECTICIDE
COTTON	6/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	174.6	OZ	87.3	8S13E28	INSECTICIDE
COTTON	6/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	27	OZ	18	8S15E19	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.6	GA	55	8S16E19	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.43	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.68	GA	29	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.36	GA	15.5	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	75	8S15E15	INSECTICIDE
PLUM	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S15E11	INSECTICIDE
NECTARINE	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	8S15E11	INSECTICIDE
PEPPER FRUITING	6/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	32.6	8S16E21	INSECTICIDE
COTTON	6/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.76	GA	75	8S15E5	INSECTICIDE
TOMATO	6/29/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	2.5	GA	80	8S14E14	INSECTICIDE
COTTON	7/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.35	GA	16	8S14E2	INSECTICIDE
N-OUTDOOR PLANT	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
COTTON	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.17	GA	50	8S14E1	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	128	OZ	32	8S14E5	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	76	OZ	19	8S15E8	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	948	OZ	237	8S15E17	INSECTICIDE
COTTON	7/4/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	312.4	FLOZ	78.1	8S13E29	INSECTICIDE
PEACH	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	32	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	7/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
COTTON	7/8/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	300.4	OZ	75.1	8S13E29	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.5	GA	35	8S15E15	INSECTICIDE
COTTON	7/10/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	304.4	OZ	76.1	8S13E29	INSECTICIDE
COTTON	7/10/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	339.2	FLOZ	84.8	8S13E29	INSECTICIDE
TOMATO	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	18	8S16E17	INSECTICIDE
TOMATO	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	15	8S14E13	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6	GA	60	8S15E15	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
SUDANGRASS	7/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	220.2	OZ	73.4	8S13E20	INSECTICIDE
TOMATO	7/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.2	GA	55	8S16E19	INSECTICIDE
COTTON	7/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	1.07	GA	90	8S13E26	INSECTICIDE
COTTON	7/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.58	GA	48.8	8S13E24	INSECTICIDE
COTTON	7/11/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	0.36	GA	30	8S13E27	INSECTICIDE
ALMOND	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	8S16E21	INSECTICIDE
CORN FOR/FOD	7/13/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	450	OZ	90	8S14E20	INSECTICIDE
CORN FOR/FOD	7/13/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	375	OZ	75	8S14E16	INSECTICIDE
PISTACHIO	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	8S15E5	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	850	OZ	85	8S16E18	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S16E18	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	210	OZ	21	8S15E10	INSECTICIDE
ALMOND	7/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	1.59	GA	58	8S16E20	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	60	OZ	6	8S16E17	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13.5	GA	135	8S15E2	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.6	GA	36	8S16E18	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.8	GA	28	8S16E20	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.7	GA	37	8S15E24	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	30	8S16E16	INSECTICIDE
SUDANGRASS	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.6	GA	20	8S14E3	INSECTICIDE
N-OUTDOOR PLANT	7/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
COTTON	7/18/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	192.4	OZ	60	8S13E20	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7.1	GA	71	8S16E18	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.85	GA	37	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.4	GA	8	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.25	GA	25	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1	GA	20	8S14E27	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.5	GA	10	8S14E22	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	0.75	GA	15	8S14E27	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	2	GA	40	8S14E22	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	8S14E22	INSECTICIDE
N-OUTDOOR PLANT	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
COTTON	7/24/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	390.5	OZ	78.1	8S13E29	INSECTICIDE
COTTON	7/25/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	128	OZ	30	8S13E27	INSECTICIDE
CORN FOR/FOD	7/25/2008	BIFENTURE	BIFENTHRIN	A	1.75	GA	35	8S13E20	INSECTICIDE
N-OUTDOOR PLANT	7/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.96	GA	55	8S15E15	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	15	8S16E18	INSECTICIDE
TOMATO	7/30/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	3.18	QT	34	8S15E6	INSECTICIDE
TOMATO	7/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.12	GA	18	8S16E17	INSECTICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S13E25	INSECTICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.38	GA	8	8S13E25	INSECTICIDE
CORN FOR/FOD	8/3/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S13E25	INSECTICIDE
N-OUTDOOR PLANT	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.06	GA	55	8S15E15	INSECTICIDE
ALMOND	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	40	OZ	10	8S15E24	INSECTICIDE
ALMOND	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	48	OZ	9	8S16E18	INSECTICIDE
ALMOND	8/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	18	8S15E24	INSECTICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	108	OZ	27	8S15E24	INSECTICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	96	OZ	24	8S16E18	INSECTICIDE
ALMOND	8/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	8S16E17	INSECTICIDE
ALMOND	8/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.8	GA	18	8S15E24	INSECTICIDE
ALMOND	8/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54	OZ	13.5	8S16E18	INSECTICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	150	LBS	150	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.63	GA	43	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.86	GA	46	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.81	GA	17	8S15E9	INSECTICIDE
ALMOND	8/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E18	INSECTICIDE

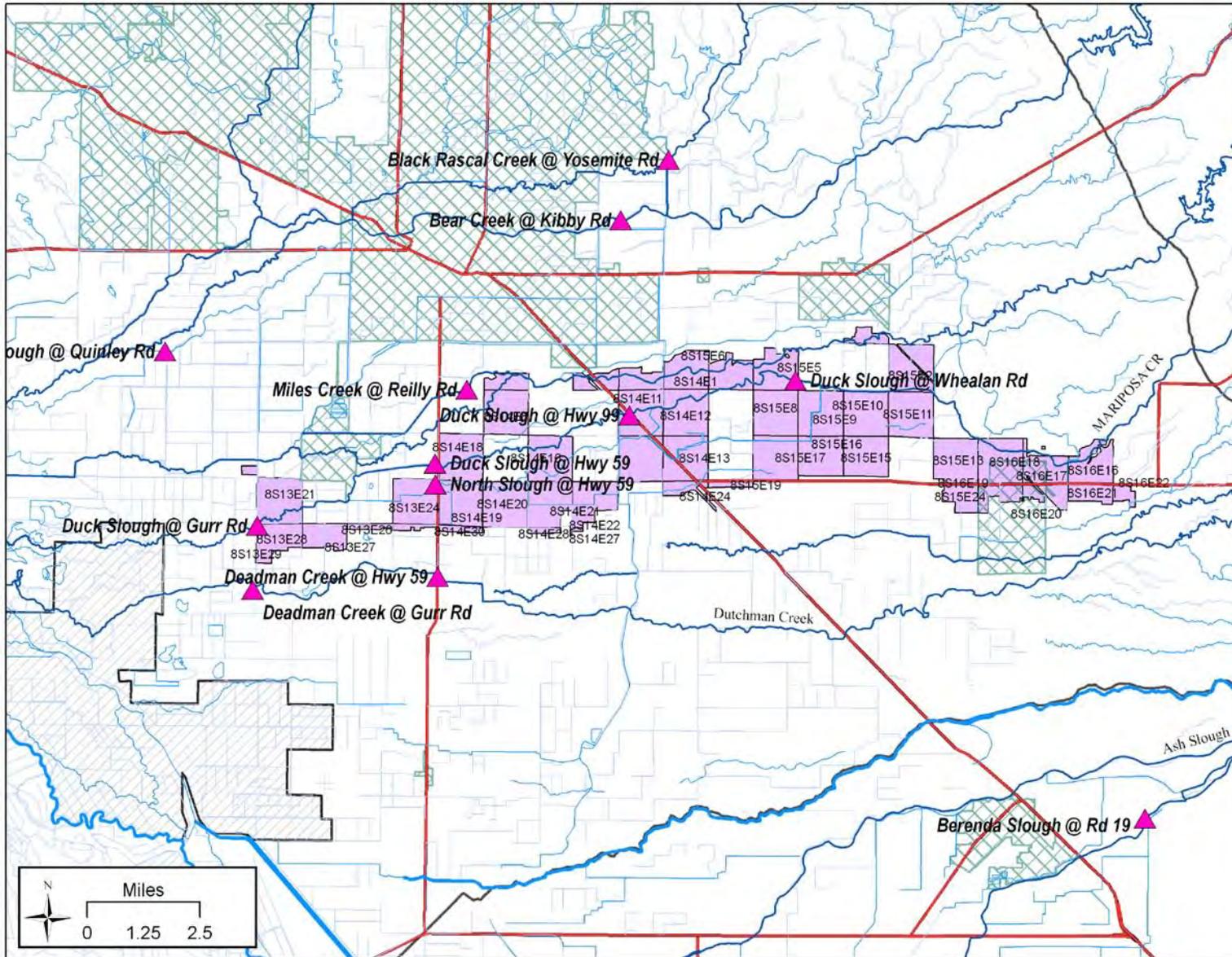
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	160	LBS	160	8S15E9	INSECTICIDE
ALMOND	8/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	156	LBS	156	8S15E9	INSECTICIDE
ALMOND	8/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8	GA	76	8S15E8	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.57	GA	18	8S15E10	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	37.2	PT	33	7S15E34	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.7	GA	130	8S15E2	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	7.92	PT	7	7S15E34	INSECTICIDE
ALMOND	8/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	55	OZ	5.5	8S16E17	INSECTICIDE
N-OUTDOOR PLANT	8/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.81	GA	75	8S15E15	INSECTICIDE
ALMOND	8/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.11	GA	75	8S15E13	INSECTICIDE
PEACH	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.94	GA	12	8S14E13	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
TOMATO	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.63	GA	69.2	8S15E6	INSECTICIDE
ALMOND	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.06	GA	36	8S15E15	INSECTICIDE
ALMOND	8/14/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	3.12	GA	25	8S16E16	INSECTICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	7.8	GA	78	8S15E8	INSECTICIDE
ALMOND	8/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	40	OZ	10	8S16E20	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E20	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.7	OZ	60	8S15E11	INSECTICIDE
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S14E19	INSECTICIDE
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.09	GA	2	8S14E19	INSECTICIDE
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	1.03	GA	21.93	8S13E25	INSECTICIDE
CORN FOR/FOD	8/16/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	0.19	GA	4	8S14E19	INSECTICIDE
N-OUTDOOR PLANT	8/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	5.68	GA	75	8S15E15	INSECTICIDE
CORN FOR/FOD	8/20/2008	BIFENTURE	BIFENTHRIN	A	10.19	GA	243	8S15E6	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-OUTDOOR PLANT	8/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.3	GA	55	8S15E15	INSECTICIDE
TOMATO	8/30/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	A	7.66	GA	92	8S13E21	INSECTICIDE
N-OUTDOOR PLANT	8/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.44	GA	55	8S15E15	INSECTICIDE
TOMATO	8/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	2.99	GA	45	8S15E15	INSECTICIDE
ALMOND	9/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	56	LBS	56	8S16E20	INSECTICIDE
ALFALFA	9/4/2008	STEWARD EC	INDOXACARB	A	4.51	GA	91	8S14E30	INSECTICIDE
ALFALFA	9/4/2008	STEWARD EC	INDOXACARB	A	4.12	GA	83	8S14E30	INSECTICIDE
TOMATO	9/4/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	4.59	LBS	21	8S15E16	INSECTICIDE
ALFALFA	9/4/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.51	GA	91	8S14E30	INSECTICIDE
ALFALFA	9/4/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	A	4.12	GA	83	8S14E30	INSECTICIDE
ALFALFA	9/5/2008	STEWARD EC	INDOXACARB	A	2.76	GA	52.7	8S14E28	INSECTICIDE
ALFALFA	9/5/2008	STEWARD EC	INDOXACARB	A	3.84	GA	73.4	8S14E21	INSECTICIDE
TOMATO	9/5/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	4.59	LBS	21	8S15E16	INSECTICIDE
TOMATO	9/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.9	GA	52	8S15E6	INSECTICIDE
ALMOND	9/5/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	28	GA	78	8S15E8	HERBICIDE
ALFALFA	9/5/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	5	GA	40	8S13E20	INSECTICIDE
N-OUTDOOR PLANT	9/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.09	GA	55	8S15E15	INSECTICIDE
ALMOND	9/6/2008	LAMBDA T	LAMBDA-CYHALOTHRIN	A	2	GA	88	8S14E12	INSECTICIDE
WALNUT	9/8/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	156	PT	78	8S14E11	HERBICIDE
TOMATO	9/8/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	18	LBS	18	8S16E17	FUNGICIDE
ALMOND	9/9/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	292	PT	73	8S15E15	HERBICIDE
ALMOND	9/9/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	319.6	OZ	8.5	8S14E18	HERBICIDE
PISTACHIO	9/9/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.63	GA	37	8S16E22	INSECTICIDE
ALMOND	9/10/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1920	OZ	60	8S15E9	HERBICIDE
CORN FOR/FOD	9/10/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	40	PT	40	8S14E3	INSECTICIDE
ALFALFA	9/12/2008	STEWARD EC	INDOXACARB	A	572.8	OZ	71.9	8S13E17	INSECTICIDE
ALFALFA	9/13/2008	STEWARD EC	INDOXACARB	A	5	GA	64	8S14E8	INSECTICIDE
ALFALFA	9/13/2008	STEWARD EC	INDOXACARB	A	5.31	GA	68	8S14E2	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	9/13/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	31	GA	76	8S15E8	HERBICIDE
N-OUTDOOR PLANT	9/13/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4	GA	55	8S15E15	INSECTICIDE
N-OUTDOOR PLANT	9/15/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.4	GA	3	8S15E11	HERBICIDE
ALMOND	9/16/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10	GA	27.5	8S15E15	HERBICIDE
ALMOND	9/16/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	73.14	PT	36	8S15E16	HERBICIDE
ALMOND	9/16/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	4	GA	11	8S15E15	HERBICIDE
ALFALFA	9/17/2008	STEWART EC	INDOXACARB	A	5.16	GA	66	8S14E16	INSECTICIDE
N-OUTDOOR PLANT	9/17/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	7.6	GA	16	8S15E11	HERBICIDE
ALMOND	9/18/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	206	PT	51.5	8S15E17	HERBICIDE
TOMATO	9/19/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	20.13	LBS	92	8S13E21	INSECTICIDE
ALMOND	9/19/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	2.92	GA	8	8S15E10	HERBICIDE
TOMATO	9/19/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	69	LBS	92	8S13E21	FUNGICIDE
ALMOND	9/20/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6	GA	17	8S15E15	HERBICIDE
COTTON	9/23/2008	DUPONT COTTONQUICK COTTON HARVEST AID/DE	ETHEPHON	G	11.55	GA	30	8S13E27	GROWTH REGULATOR
COTTON	9/24/2008	DUPONT COTTONQUICK COTTON HARVEST AID/DE	ETHEPHON	G	18.788	GA	48.8	8S13E24	GROWTH REGULATOR
COTTON	9/24/2008	DUPONT COTTONQUICK COTTON HARVEST AID/DE	ETHEPHON	G	34.65	GA	90	8S13E26	GROWTH REGULATOR
TOMATO	9/25/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	3.94	LBS	18	8S15E16	INSECTICIDE
TOMATO	9/25/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	3.94	LBS	18	8S15E16	INSECTICIDE
TOMATO	9/25/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	G	18	LBS	18	8S15E16	FUNGICIDE
TOMATO	9/25/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	18	LBS	18	8S15E16	FUNGICIDE
PISTACHIO	9/25/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4.63	GA	37	8S16E22	INSECTICIDE
COTTON	9/26/2008	COTTONQUICK	ETHEPHON	G	12.25	GA	28	8S14E24	GROWTH REGULATOR
COTTON	9/26/2008	COTTONQUICK	ETHEPHON	G	8.75	GA	20	8S14E13	GROWTH REGULATOR
COTTON	9/26/2008	COTTONQUICK	ETHEPHON	G	7.88	GA	18	8S15E19	GROWTH REGULATOR
ALMOND	9/27/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	18	GA	50	8S15E13	HERBICIDE
N-OUTDOOR PLANT	9/27/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.13	GA	55	8S15E15	INSECTICIDE
TOMATO	9/29/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	20.13	LBS	92	8S13E21	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
COTTON	9/30/2008	FINISH 6 PRO HARVEST AID FOR COTTON	ETHEPHON	G	1201.6	OZ	75.1	8S13E29	GROWTH REGULATOR
COTTON	9/30/2008	FINISH 6 PRO HARVEST AID FOR COTTON	ETHEPHON	G	1356.8	OZ	84.8	8S13E29	GROWTH REGULATOR
COTTON	9/30/2008	FINISH 6 PRO HARVEST AID FOR COTTON	ETHEPHON	G	1249.6	OZ	78.1	8S13E29	GROWTH REGULATOR
COTTON	9/30/2008	FINISH 6 PRO HARVEST AID FOR COTTON	ETHEPHON	G	1217.6	OZ	76.1	8S13E29	GROWTH REGULATOR
COTTON	9/30/2008	MXF COTTON HARVEST AID	ETHEPHON	G	12	GA	32	8S14E2	GROWTH REGULATOR
COTTON	10/2/2008	FINISH BRAND 6 HARVEST AID FOR COTTON	ETHEPHON	G	9.06	GA	58	8S15E6	GROWTH REGULATOR
COTTON	10/2/2008	FINISH BRAND 6 HARVEST AID FOR COTTON	ETHEPHON	G	4.84	GA	31	8S15E6	GROWTH REGULATOR

Figure 35. Location of pesticide use for Duck Slough @ Gurr Rd – Irrigation 5 SED RSS



***Duck Slough @ Hwy 59***

**Pesticide Use Reports for metal exceedances in the water column**

**Irrigation 6 MPM (9/30/08) - copper exceedance.**

No reported use for three months prior to sampling. Last reported application was on 6/2/08.

## Duck Slough @ Hwy 99

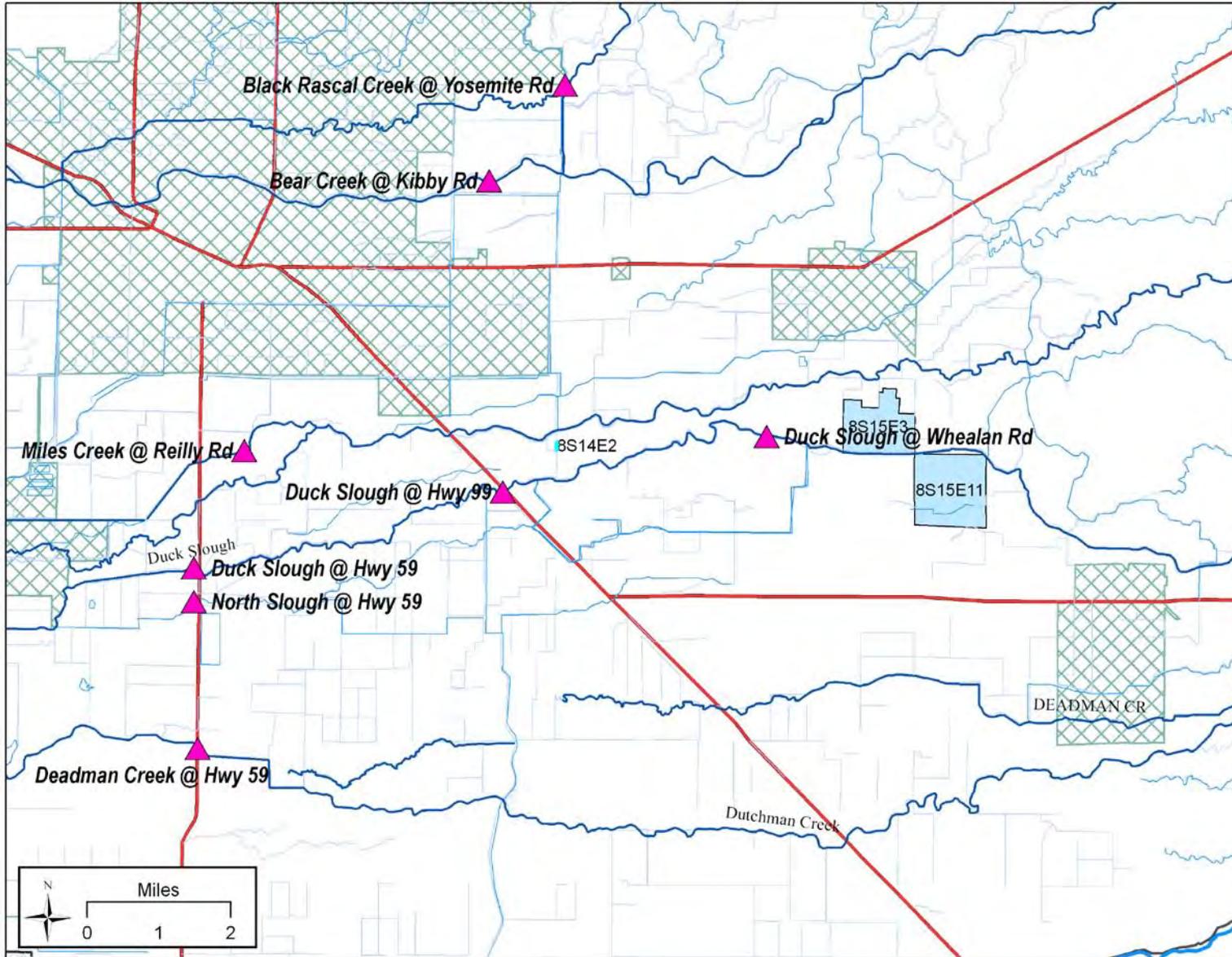
### Pesticide Use Reports for pesticide exceedances in the water column

#### Irrigation 6 (9/30/08) - chlorpyrifos exceedance.

No reported use of chlorpyrifos within four weeks prior to the exceedance. Applications within eight weeks prior to the exceedance are shown.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	8/7/2008	LORSBAN-4E	CHLORPYRIFOS	G	78	QT	78	8S14E11	INSECTICIDE
ALMOND	8/17/2008	NUFOS 4E	CHLORPYRIFOS	G	2.5	GA	32	8S16E18	INSECTICIDE
ALFALFA	8/17/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	2.5	GA	32	8S16E18	INSECTICIDE
ALFALFA	8/24/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	17	GA	136	8S14E2	INSECTICIDE
WALNUT	8/26/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	15	QT	7.5	8S15E11	INSECTICIDE
ALFALFA	8/27/2008	NUFOS 4E	CHLORPYRIFOS	A	12.75	GA	68	8S15E3	INSECTICIDE

Figure 36. Location of chlorpyrifos use for Duck Slough @ Hwy 99 – Irrigation 6

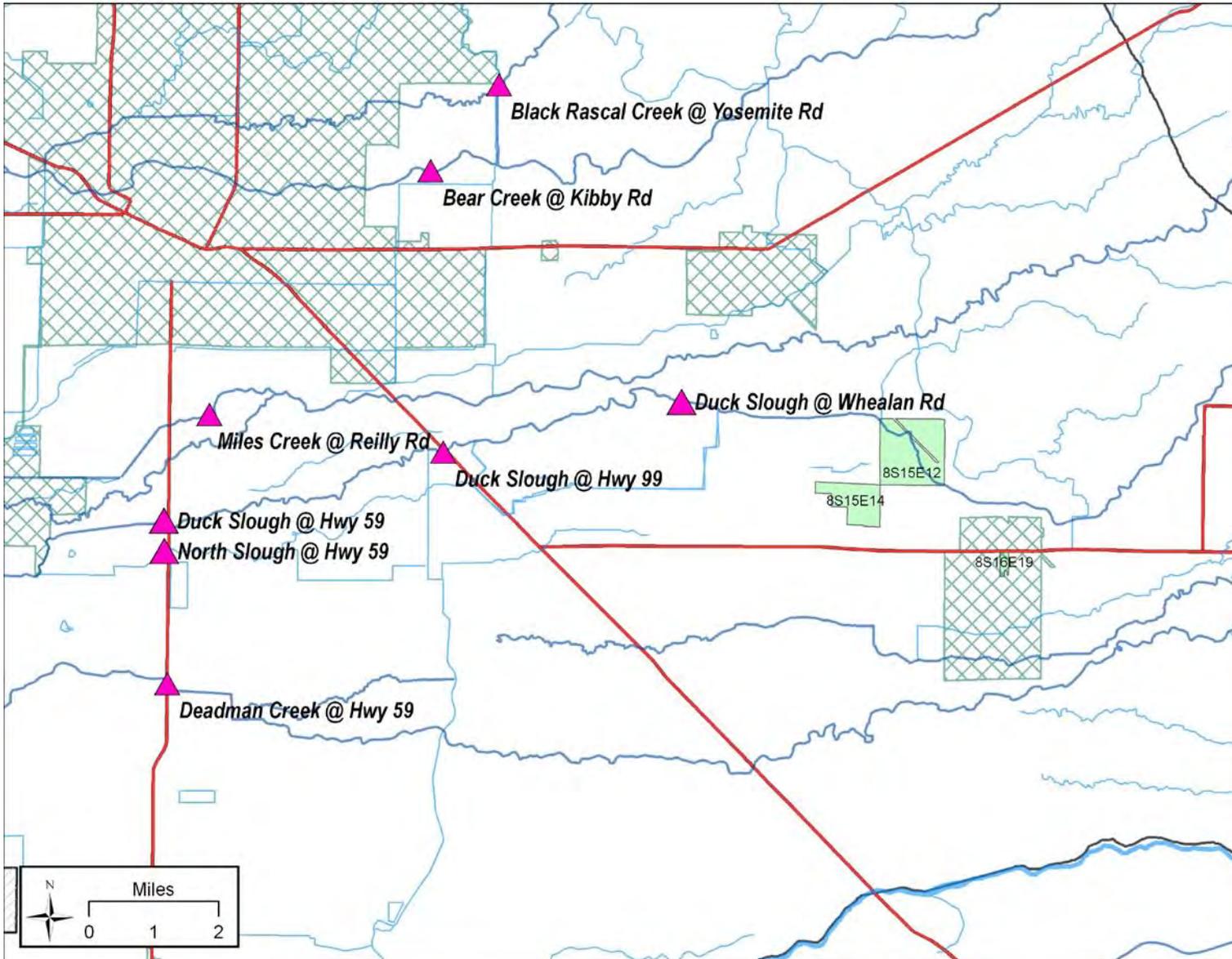


## Pesticide Use Reports for metal exceedances in the water column

### Irrigation 4 (7/29/08) - copper exceedance.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	5/12/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	140	LBS	35	8S15E12	FUNGICIDE
WALNUT	5/13/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	140	LBS	35	8S15E12	FUNGICIDE
TOMATO PROCESSING	5/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	38.25	LBS	25.5	8S15E14	FUNGICIDE
TOMATO PROCESSING	6/2/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	38.76	LBS	25.84	8S16E19	FUNGICIDE

Figure 37. Location of copper use for Duck Slough @ Hwy 99 – Irrigation 4



## Pesticide Use Reports for water column toxicity

### Irrigation 1 (4/29/08) - *Selenastrum capricornutum* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	2/10/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	640	LBS	32	8S14E13	FUNGICIDE
NECTARINE	2/14/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	50	LBS	10	8S15E11	FUNGICIDE
ALMOND	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	17.5	LBS	5	8S15E17	FUNGICIDE
ALMOND	4/1/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.8	GA	4.5	8S15E2	HERBICIDE
ALMOND	4/1/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	1	QT	1	8S15E14	HERBICIDE
ALMOND	4/1/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	8.4	OZ	4.5	8S15E2	HERBICIDE
ALMOND	4/1/2008	SIMAZINE 90DF	SIMAZINE	G	14	LBS	24	8S16E18	HERBICIDE
ALMOND	4/1/2008	GRAMOXONE MAX	PARAQUAT DICHLORIDE	G	3.5	GA	24	8S16E18	HERBICIDE
ALMOND	4/1/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.4	GA	17	8S15E13	HERBICIDE
ALMOND	4/1/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	12.75	GA	17	8S15E13	HERBICIDE
ALMOND	4/1/2008	FARMSAVER.COM ORYZALIN 4 A.S.	ORYZALIN	G	4.95	GA	13.2	8S16E21	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL	OXYFLUORFEN	G	0.83	GA	13.2	8S16E21	HERBICIDE
ALMOND	4/1/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.13	GA	13.2	8S16E21	HERBICIDE
ALMOND	4/2/2008	GOAL 2XL	OXYFLUORFEN	G	144	OZ	18	8S15E18	HERBICIDE
ALMOND	4/2/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	45	PT	18	8S15E18	HERBICIDE
ALMOND	4/2/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	1	QT	1	8S15E14	HERBICIDE
WALNUT	4/2/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	12.8	OZ	20	8S15E17	HERBICIDE
WALNUT	4/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	273.07	OZ	20	8S15E17	HERBICIDE
ALMOND	4/2/2008	GOAL 2XL	OXYFLUORFEN	G	51	OZ	17	8S15E13	HERBICIDE
ALMOND	4/2/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.19	GA	17	8S15E13	HERBICIDE
ALMOND	4/3/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	29.25	OZ	5	8S15E17	PLANT GROWTH REGULATOR
ALMOND	4/3/2008	GOAL 2XL	OXYFLUORFEN	G	160	OZ	26	8S15E7	HERBICIDE
ALMOND	4/3/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.3	GA	26	8S15E7	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/3/2008	GOAL 2XL	OXYFLUORFEN	G	36	OZ	12	8S16E21	HERBICIDE
ALMOND	4/3/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.25	GA	12	8S16E21	HERBICIDE
ALMOND	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	1.49	GA	35.5	8S16E18	HERBICIDE
ALMOND	4/4/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	7.2	GA	18	8S15E11	HERBICIDE
ALMOND	4/4/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	33.6	OZ	18	8S15E11	HERBICIDE
ALMOND	4/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	10.65	GA	35.5	8S16E18	HERBICIDE
ALMOND	4/4/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1	GA	3	8S15E13	HERBICIDE
ALMOND	4/4/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	6	OZ	3	8S15E13	HERBICIDE
ALMOND	4/4/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.8	GA	4	8S15E13	HERBICIDE
ALMOND	4/6/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	24.38	GA	78	8S15E9	HERBICIDE
WALNUT	4/7/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	292.5	OZ	50	8S15E17	PLANT GROWTH REGULATOR
ALMOND	4/7/2008	POAST	SETHOXYDIM	G	7.5	GA	24	8S15E13	HERBICIDE
WALNUT	4/8/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	58.5	OZ	10	8S14E11	PLANT GROWTH REGULATOR
ALMOND	4/8/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12	PT	6	8S15E15	HERBICIDE
ALMOND	4/9/2008	POAST	SETHOXYDIM	G	2.4	GA	19	8S15E14	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	15	OZ	5	8S16E20	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	72	OZ	19	8S15E14	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	400	OZ	50	8S14E1	HERBICIDE
ALMOND	4/9/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	PT	5	8S16E20	HERBICIDE
ALMOND	4/9/2008	TENKOZ BUCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	150	PT	50	8S14E1	HERBICIDE
WALNUT	4/9/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	175	LBS	50	8S15E17	FUNGICIDE
PEPPER FRUITING	4/9/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	2.2	GA	38	8S16E21	HERBICIDE
ALMOND	4/9/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.6	GA	19	8S15E14	HERBICIDE
ALMOND	4/11/2008	POAST	SETHOXYDIM	G	2.4	GA	19	8S15E9	HERBICIDE
ALMOND	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	72	OZ	19	8S15E9	HERBICIDE
ALMOND	4/11/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	28	LBS	16	8S15E13	HERBICIDE

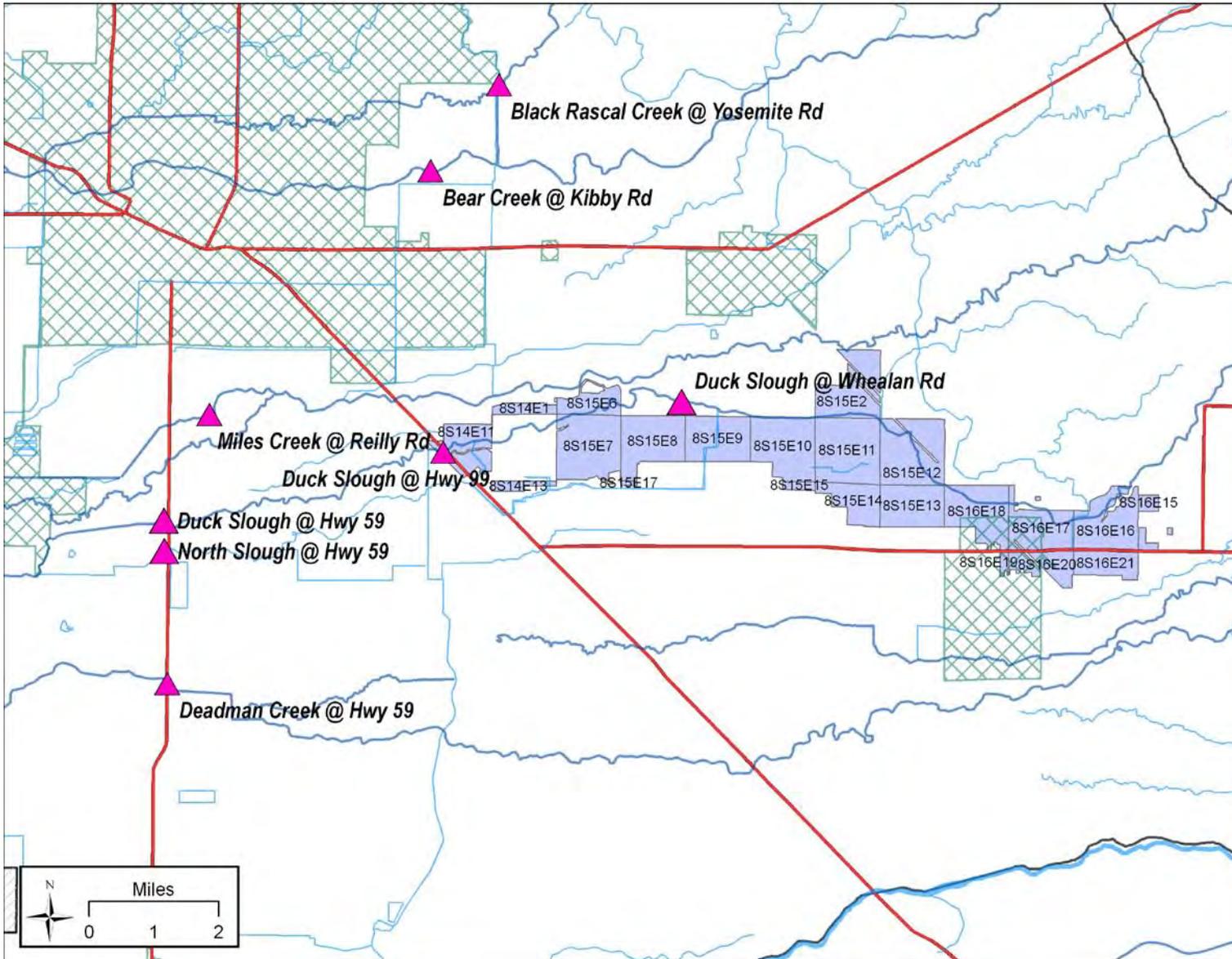
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/11/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.6	GA	19	8S15E9	HERBICIDE
ALMOND	4/11/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6.25	GA	16	8S15E13	HERBICIDE
PLUM	4/11/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34	PT	17	8S15E11	HERBICIDE
ALMOND	4/12/2008	POAST	SETHOXYDIM	G	1.5	GA	12	8S15E8	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	48	OZ	12	8S15E8	HERBICIDE
ALMOND	4/12/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	12	8S15E8	HERBICIDE
WALNUT	4/12/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	42.68	OZ	0.97	8S15E12	HERBICIDE
ALMOND	4/13/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	4.5	GA	9	8S15E13	HERBICIDE
ALMOND	4/13/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	24	OZ	9	8S15E13	HERBICIDE
ALMOND	4/14/2008	POAST	SETHOXYDIM	G	1.6	GA	14	8S15E8	HERBICIDE
ALMOND	4/14/2008	GOAL 2XL	OXYFLUORFEN	G	51	OZ	14	8S15E8	HERBICIDE
APRICOT	4/14/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	192	OZ	6	8S15E15	HERBICIDE
ALMOND	4/14/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.8	GA	1.5	8S15E12	HERBICIDE
ALMOND	4/14/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	4	OZ	1.5	8S15E12	HERBICIDE
ALMOND	4/14/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.9	GA	14	8S15E8	HERBICIDE
ALMOND	4/14/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	4.64	GA	13.5	8S15E12	HERBICIDE
TOMATO	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	30	OZ	10	8S16E16	HERBICIDE
TOMATO	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	24	OZ	8	8S16E16	HERBICIDE
TOMATO	4/16/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	8S16E16	HERBICIDE
TOMATO	4/16/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	GA	8	8S16E16	HERBICIDE
ALMOND	4/16/2008	POAST	SETHOXYDIM	G	7.5	GA	24	8S15E13	HERBICIDE
ALMOND	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	3	QT	24	8S15E13	HERBICIDE
ALMOND	4/16/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	GA	24	8S15E13	HERBICIDE
ALMOND	4/17/2008	POAST	SETHOXYDIM	G	2.6	GA	36	8S15E7	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	128	OZ	36	8S15E7	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	80	OZ	20	8S16E21	HERBICIDE
ALMOND	4/17/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	20	8S16E21	HERBICIDE
TOMATO	4/17/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.25	GA	18	8S16E17	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	9.25	GA	37	8S15E6	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	14.5	GA	58	8S15E6	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7.75	GA	31	8S15E6	HERBICIDE
ALMOND	4/17/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	36	8S15E7	HERBICIDE
ALMOND	4/18/2008	POAST	SETHOXYDIM	G	2.4	GA	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	365.54	OZ	110	8S15E7	HERBICIDE
TOMATO	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	120	OZ	30	8S14E13	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	102	OZ	21	8S15E7	HERBICIDE
TOMATO	4/18/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	960	OZ	30	8S14E13	HERBICIDE
ALMOND	4/18/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	16	8S15E14	HERBICIDE
ALMOND	4/18/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	GA	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	2.62	GA	7	8S16E18	HERBICIDE
ALMOND	4/18/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1462.15	OZ	110	8S15E7	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	114	OZ	38	8S15E11	HERBICIDE
ALMOND	4/18/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	76	PT	38	8S15E11	HERBICIDE
ALMOND	4/19/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	17	8S15E14	HERBICIDE
ALMOND	4/19/2008	GOAL 2XL	OXYFLUORFEN	G	0.6	GA	20	8S15E13	HERBICIDE
ALMOND	4/19/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	20	8S15E13	HERBICIDE
PEACH	4/20/2008	GOAL 2XL	OXYFLUORFEN	G	1.75	GA	32	8S14E13	HERBICIDE
PEACH	4/20/2008	TENKOZ BUCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.5	OZ	32	8S14E13	HERBICIDE
PLUM	4/20/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.6	GA	1.5	8S15E11	HERBICIDE
PLUM	4/20/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	3.6	OZ	1.5	8S15E11	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-OUTDOOR PLANT	4/21/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.8	GA	2	8S15E11	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	2.4	GA	6	8S16E18	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	3.2	GA	8	8S15E11	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	14.4	OZ	6	8S16E18	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	19.2	OZ	8	8S15E11	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	4.8	OZ	2	8S15E11	HERBICIDE
ALMOND	4/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	13.12	GA	35	8S15E8	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10.88	GA	29	8S15E15	HERBICIDE
ALMOND	4/23/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	10.4	GA	12	8S15E11	HERBICIDE
TOMATO	4/23/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	360	OZ	31	8S14E13	HERBICIDE
ALMOND	4/23/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6	GA	16	8S16E16	HERBICIDE
ALMOND	4/23/2008	GOAL 2XL	OXYFLUORFEN	G	204	OZ	68	8S16E15	HERBICIDE
ALMOND	4/23/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	102	PT	68	8S16E15	HERBICIDE
TOMATO	4/24/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	105	OZ	21	8S16E17	HERBICIDE
WALNUT	4/25/2008	POAST	SETHOXYDIM	G	4.44	PT	5	8S14E11	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	500	OZ	125	8S15E17	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	32.8	OZ	8.2	8S16E21	HERBICIDE
ALMOND	4/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.25	GA	19.33	8S16E20	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2500	OZ	125	8S15E17	HERBICIDE
ALMOND	4/25/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.6	GA	8.2	8S16E21	HERBICIDE
WALNUT	4/25/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	60	LBS	15	8S15E11	FUNGICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	7.25	GA	19.33	8S16E20	HERBICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	312.5	PT	125	8S15E17	HERBICIDE
WALNUT	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	770	OZ	10	8S14E11	HERBICIDE
ALMOND	4/25/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2.3	GA	4	8S15E2	HERBICIDE
TOMATO	4/25/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	275	OZ	55	8S16E19	HERBICIDE
ALMOND	4/26/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	4.7	GA	8	8S15E13	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	1	GA	6	8S15E10	HERBICIDE
ALMOND	4/27/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.5	GA	6	8S15E10	HERBICIDE
ALMOND	4/28/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2.6	GA	4	8S15E13	HERBICIDE
TOMATO	4/29/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	1.56	GA	20	8S16E20	HERBICIDE
ALMOND	4/29/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	1	GA	11.5	8S15E14	HERBICIDE

Figure 38. Location of pesticide use for Duck Slough @ Hwy 99 – Irrigation 1



**Irrigation 1 RS (5/7/08) - *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
NECTARINE	2/14/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	50	LBS	10	8S15E11	FUNGICIDE
ALMOND	3/19/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	17.5	LBS	5	8S15E17	FUNGICIDE
ALMOND	4/3/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	29.25	OZ	5	8S15E17	Plant Growth Regulator
WALNUT	4/7/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	292.5	OZ	50	8S15E17	Plant Growth Regulator
WALNUT	4/8/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	58.5	OZ	10	8S14E11	Plant Growth Regulator
ALMOND	4/11/2008	POAST	SETHOXYDIM	G	2.4	GA	19	8S15E9	HERBICIDE
ALMOND	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	72	OZ	19	8S15E9	HERBICIDE
ALMOND	4/11/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	28	LBS	16	8S15E13	HERBICIDE
ALMOND	4/11/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.6	GA	19	8S15E9	HERBICIDE
ALMOND	4/11/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6.25	GA	16	8S15E13	HERBICIDE
PLUM	4/11/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34	PT	17	8S15E11	HERBICIDE
ALMOND	4/12/2008	POAST	SETHOXYDIM	G	1.5	GA	12	8S15E8	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	48	OZ	12	8S15E8	HERBICIDE
ALMOND	4/12/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	12	8S15E8	HERBICIDE
WALNUT	4/12/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	42.68	OZ	0.97	8S15E12	HERBICIDE
ALMOND	4/13/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	4.5	GA	9	8S15E13	HERBICIDE
ALMOND	4/13/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	24	OZ	9	8S15E13	HERBICIDE
ALMOND	4/14/2008	POAST	SETHOXYDIM	G	1.6	GA	14	8S15E8	HERBICIDE
ALMOND	4/14/2008	GOAL 2XL	OXYFLUORFEN	G	51	OZ	14	8S15E8	HERBICIDE
APRICOT	4/14/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	192	OZ	6	8S15E15	HERBICIDE
ALMOND	4/14/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.8	GA	1.5	8S15E12	HERBICIDE
ALMOND	4/14/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	4	OZ	1.5	8S15E12	HERBICIDE
ALMOND	4/14/2008	CORNERSTONE PLUS	GLYPHOSATE,	G	3.9	GA	14	8S15E8	HERBICIDE

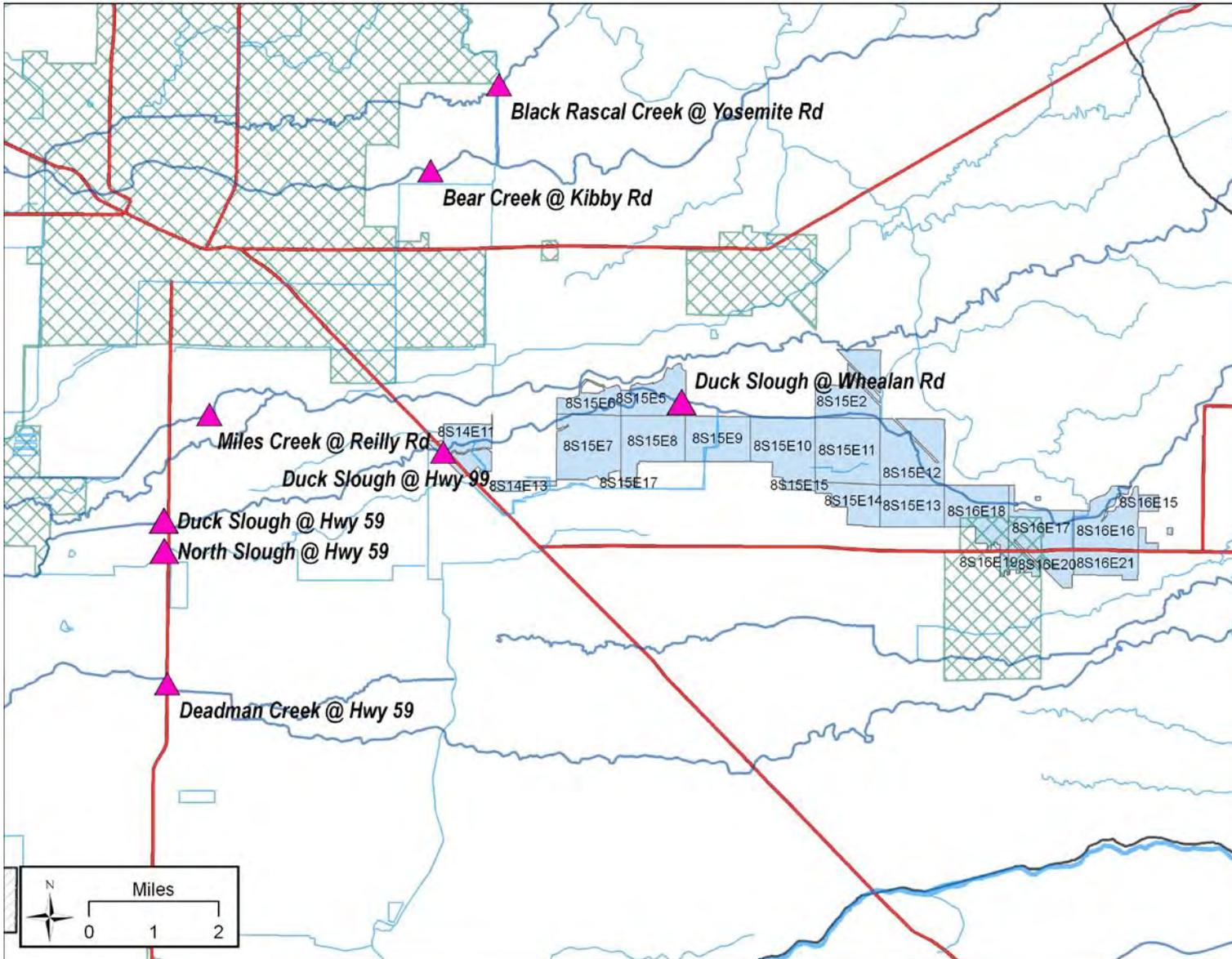
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
			ISOPROPYLAMINE SALT						
ALMOND	4/14/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	4.64	GA	13.5	8S15E12	HERBICIDE
TOMATO	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	30	OZ	10	8S16E16	HERBICIDE
TOMATO	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	24	OZ	8	8S16E16	HERBICIDE
TOMATO	4/16/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	8S16E16	HERBICIDE
TOMATO	4/16/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	GA	8	8S16E16	HERBICIDE
ALMOND	4/16/2008	POAST	SETHOXYDIM	G	7.5	GA	24	8S15E13	HERBICIDE
ALMOND	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	3	QT	24	8S15E13	HERBICIDE
ALMOND	4/16/2008	BUCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	GA	24	8S15E13	HERBICIDE
ALMOND	4/17/2008	POAST	SETHOXYDIM	G	2.6	GA	36	8S15E7	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	128	OZ	36	8S15E7	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	80	OZ	20	8S16E21	HERBICIDE
ALMOND	4/17/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	20	8S16E21	HERBICIDE
TOMATO	4/17/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.25	GA	18	8S16E17	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	9.25	GA	37	8S15E6	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	14.5	GA	58	8S15E6	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7.75	GA	31	8S15E6	HERBICIDE
ALMOND	4/17/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	36	8S15E7	HERBICIDE
ALMOND	4/18/2008	POAST	SETHOXYDIM	G	2.4	GA	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	365.54	OZ	110	8S15E7	HERBICIDE
TOMATO	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	120	OZ	30	8S14E13	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	102	OZ	21	8S15E7	HERBICIDE
TOMATO	4/18/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	960	OZ	30	8S14E13	HERBICIDE
ALMOND	4/18/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	16	8S15E14	HERBICIDE
ALMOND	4/18/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	GA	21	8S15E7	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/18/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	2.62	GA	7	8S16E18	HERBICIDE
ALMOND	4/18/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1462.15	OZ	110	8S15E7	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	114	OZ	38	8S15E11	HERBICIDE
ALMOND	4/18/2008	BUCCANEER GLYPHOSATE HERBICIDE	ISOPROPYLAMINE SALT GLYPHOSATE,	G	76	PT	38	8S15E11	HERBICIDE
ALMOND	4/19/2008	GLY-4 PLUS HERBICIDE	ISOPROPYLAMINE SALT GLYPHOSATE,	G	1	GA	17	8S15E14	HERBICIDE
ALMOND	4/19/2008	GOAL 2XL	OXYFLUORFEN	G	0.6	GA	20	8S15E13	HERBICIDE
ALMOND	4/19/2008	BUCCANEER GLYPHOSATE HERBICIDE	ISOPROPYLAMINE SALT GLYPHOSATE,	G	7.5	GA	20	8S15E13	HERBICIDE
PEACH	4/20/2008	GOAL 2XL	OXYFLUORFEN	G	1.75	GA	32	8S14E13	HERBICIDE
PEACH	4/20/2008	TENKOZ BUCCANEER HERBICIDE	ISOPROPYLAMINE SALT GLYPHOSATE,	G	3.5	OZ	32	8S14E13	HERBICIDE
PLUM	4/20/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.6	GA	1.5	8S15E11	HERBICIDE
PLUM	4/20/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	3.6	OZ	1.5	8S15E11	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.8	GA	2	8S15E11	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	2.4	GA	6	8S16E18	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	3.2	GA	8	8S15E11	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	14.4	OZ	6	8S16E18	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	19.2	OZ	8	8S15E11	HERBICIDE
N-OUTDOOR PLANT	4/21/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	4.8	OZ	2	8S15E11	HERBICIDE
ALMOND	4/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	13.12	GA	35	8S15E8	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10.88	GA	29	8S15E15	HERBICIDE
ALMOND	4/23/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	10.4	GA	12	8S15E11	HERBICIDE
TOMATO	4/23/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	360	OZ	31	8S14E13	HERBICIDE
ALMOND	4/23/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6	GA	16	8S16E16	HERBICIDE
ALMOND	4/23/2008	GOAL 2XL	OXYFLUORFEN	G	204	OZ	68	8S16E15	HERBICIDE
ALMOND	4/23/2008	BUCCANEER GLYPHOSATE HERBICIDE	ISOPROPYLAMINE SALT GLYPHOSATE,	G	102	PT	68	8S16E15	HERBICIDE
TOMATO	4/24/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	105	OZ	21	8S16E17	HERBICIDE
WALNUT	4/25/2008	POAST	SETHOXYDIM	G	4.44	PT	5	8S14E11	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	500	OZ	125	8S15E17	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	32.8	OZ	8.2	8S16E21	HERBICIDE
ALMOND	4/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.25	GA	19.33	8S16E20	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	2500	OZ	125	8S15E17	HERBICIDE
ALMOND	4/25/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.6	GA	8.2	8S16E21	HERBICIDE
WALNUT	4/25/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	60	LBS	15	8S15E11	FUNGICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	7.25	GA	19.33	8S16E20	HERBICIDE
ALMOND	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	312.5	PT	125	8S15E17	HERBICIDE
WALNUT	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	770	OZ	10	8S14E11	HERBICIDE
ALMOND	4/25/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2.3	GA	4	8S15E2	HERBICIDE
TOMATO	4/25/2008	ADMIRE 2 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	275	OZ	55	8S16E19	HERBICIDE
ALMOND	4/26/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	4.7	GA	8	8S15E13	HERBICIDE
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	1	GA	6	8S15E10	HERBICIDE
ALMOND	4/27/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.5	GA	6	8S15E10	HERBICIDE
ALMOND	4/28/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2.6	GA	4	8S15E13	HERBICIDE
TOMATO	4/29/2008	ADMIRE PRO SYSTEMIC PROTECTANT	IMIDACLOPRID	G	1.56	GA	20	8S16E20	HERBICIDE
ALMOND	4/29/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	1	GA	11.5	8S15E14	HERBICIDE
ALMOND	4/30/2008	SIMAZINE 90DF	SIMAZINE	G	6	LBS	21	8S16E18	HERBICIDE
ALMOND	4/30/2008	GRAMOXONE MAX	PARAQUAT DICHLORIDE	G	3	GA	21	8S16E18	HERBICIDE
CORN FOR/FOD	5/1/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	20.75	GA	83	8S15E5	HERBICIDE
ALMOND	5/2/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6	GA	12	8S15E13	HERBICIDE
ALMOND	5/4/2008	GOAL 2XL	OXYFLUORFEN	G	0.56	GA	16.25	8S15E2	HERBICIDE
ALMOND	5/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6.16	GA	16.25	8S15E2	HERBICIDE
ALMOND	5/5/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	2	QT	2	8S15E14	HERBICIDE
ALMOND	5/6/2008	GOAL 2XL	OXYFLUORFEN	G	135	OZ	45	8S15E9	HERBICIDE
ALMOND	5/6/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	67.5	PT	45	8S15E9	HERBICIDE
ALMOND	5/6/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	2	QT	2	8S15E14	HERBICIDE
ALMOND	5/7/2008	GOAL 2XL	OXYFLUORFEN	G	72	OZ	24	8S15E13	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/7/2008	GOAL 2XL	OXYFLUORFEN	G	3.03	GA	88	8S15E2	HERBICIDE
ALMOND	5/7/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	GA	24	8S15E13	HERBICIDE
ALMOND	5/7/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	33.4	GA	88	8S15E2	HERBICIDE

Figure 39. Location of pesticide use for Duck Slough @ Hwy 99 – Irrigation 1 RS



## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	3/31/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	1.2	GA	55	8S16E19	INSECTICIDE
N-OUTDOOR PLANT	4/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	2	8S15E11	INSECTICIDE
N-OUTDOOR PLANT	4/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	2	8S16E18	INSECTICIDE
N-OUTDOOR PLANT	4/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.3	GA	8	8S16E18	INSECTICIDE
N-OUTDOOR PLANT	4/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	4	8S15E11	INSECTICIDE
CORN HUMAN CONSUMP	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	1250	LBS	125	8S15E5	INSECTICIDE
TOMATO	4/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	17.5	OZ	7	8S14E13	INSECTICIDE
PLUM	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	3	8S15E11	INSECTICIDE
PLUM	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.9	GA	32	8S15E11	INSECTICIDE
N-OUTDOOR PLANT	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	14.8	OZ	4	8S16E18	INSECTICIDE
PISTACHIO	5/2/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	126	OZ	45	8S14E2	INSECTICIDE
ALMOND	5/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.33	GA	37.3	8S16E18	INSECTICIDE
NECTARINE	5/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	8S15E11	INSECTICIDE
PLUM	5/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S15E11	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	20	8S16E21	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	120	OZ	15	8S16E18	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.75	GA	28	8S16E20	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	260	OZ	32.5	8S16E18	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	32	8S14E13	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	1.09	GA	20	8S16E20	INSECTICIDE
PEACH	5/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	80	OZ	10	8S14E11	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.37	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.69	GA	29	8S15E6	INSECTICIDE
COTTON	6/6/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	1.9	GA	75	8S15E5	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.38	GA	16	8S14E2	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.6	GA	25	8S14E1	INSECTICIDE
COTTON	6/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	280	OZ	70	8S14E13	INSECTICIDE
COTTON	6/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	80	OZ	20	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	6/14/2008	POUNCE 3.2 EC	PERMETHRIN	G	15	OZ	15	8S15E15	INSECTICIDE
COTTON	6/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	432	OZ	108	8S14E12	INSECTICIDE
OAT FOR/FOD	6/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	2050.92	LBS	243	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	6/18/2008	POUNCE 3.2 EC	PERMETHRIN	G	150	OZ	15	8S15E15	INSECTICIDE
N-OUTDOOR PLANT	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	50	8S15E15	INSECTICIDE
TOMATO	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.6	GA	55	8S16E19	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.36	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.43	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.68	GA	29	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	75	8S15E15	INSECTICIDE
NECTARINE	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	8S15E11	INSECTICIDE
PLUM	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S15E11	INSECTICIDE
PEPPER FRUITING	6/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	32.6	8S16E21	INSECTICIDE
COTTON	6/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.76	GA	75	8S15E5	INSECTICIDE
COTTON	7/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.35	GA	16	8S14E2	INSECTICIDE
N-OUTDOOR PLANT	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
COTTON	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.17	GA	50	8S14E1	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	76	OZ	19	8S15E8	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	948	OZ	237	8S15E17	INSECTICIDE
PEACH	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	32	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	7/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.5	GA	35	8S15E15	INSECTICIDE
TOMATO	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	18	8S16E17	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	15	8S14E13	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6	GA	60	8S15E15	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE
TOMATO	7/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.2	GA	55	8S16E19	INSECTICIDE
ALMOND	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	8S16E21	INSECTICIDE
PISTACHIO	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	8S15E5	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	210	OZ	21	8S15E10	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	850	OZ	85	8S16E18	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S16E18	INSECTICIDE
ALMOND	7/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	1.59	GA	58	8S16E20	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	60	OZ	6	8S16E17	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13.5	GA	135	8S15E2	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.6	GA	36	8S16E18	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.8	GA	28	8S16E20	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	30	8S16E16	INSECTICIDE
N-OUTDOOR PLANT	7/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7.1	GA	71	8S16E18	INSECTICIDE
N-OUTDOOR PLANT	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
N-OUTDOOR PLANT	7/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.96	GA	55	8S15E15	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	15	8S16E18	INSECTICIDE
TOMATO	7/30/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	3.18	QT	34	8S15E6	INSECTICIDE
TOMATO	7/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.12	GA	18	8S16E17	INSECTICIDE
ALMOND	8/1/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.3	GA	3	8S15E12	HERBICIDE
ALMOND	8/1/2008	APOLLO SC OVICIDE/MITICIDE	CLOFENTEZINE	G	84	OZ	21	8S15E12	INSECTICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.85	GA	20	8S15E15	HERBICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.24	GA	46	8S15E15	HERBICIDE
ALMOND	8/2/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	15.63	GA	50	8S15E9	HERBICIDE
ALMOND	8/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	78	8S15E8	HERBICIDE

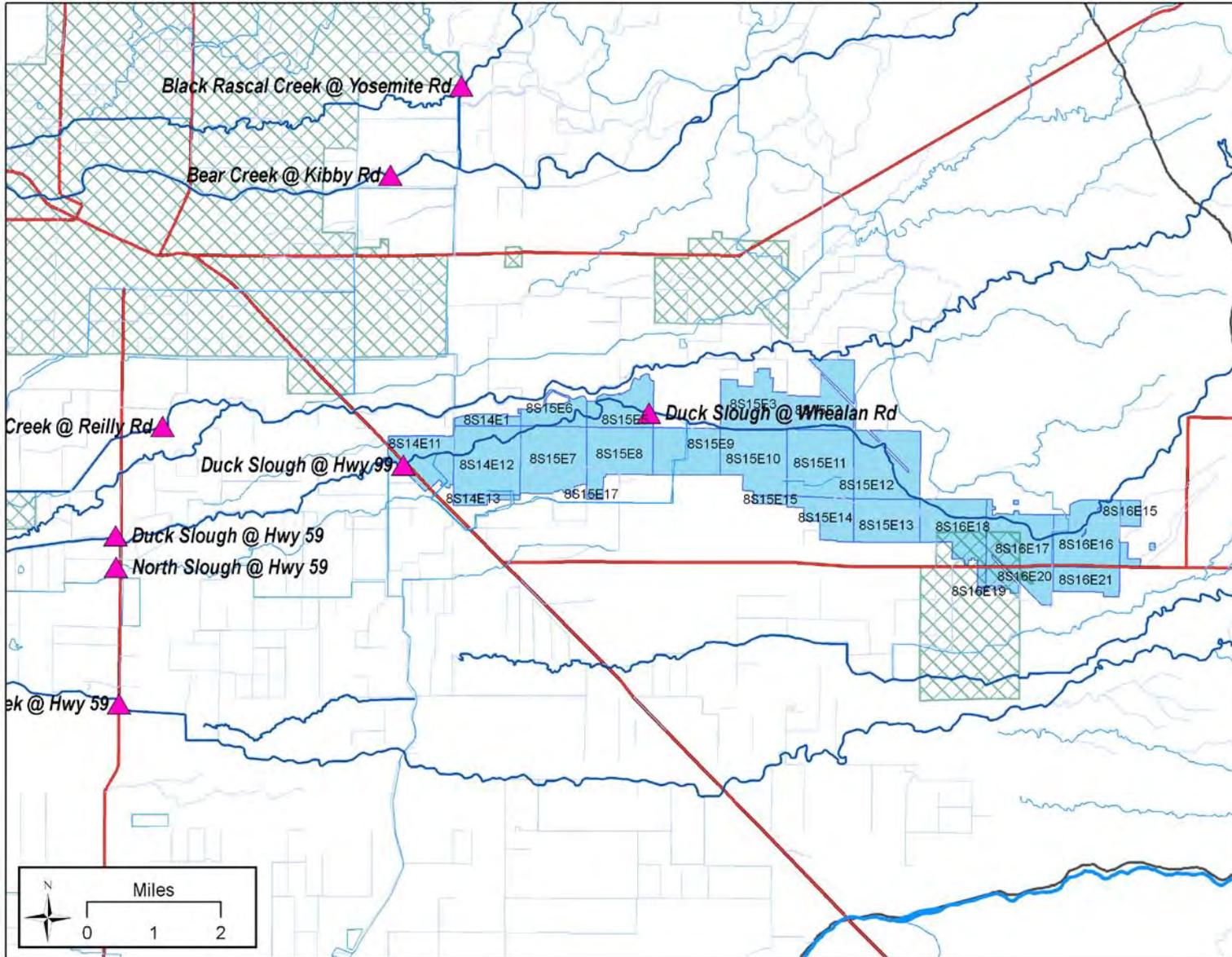
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
N-OUTDOOR PLANT	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.06	GA	55	8S15E15	INSECTICIDE
ALMOND	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	48	OZ	9	8S16E18	INSECTICIDE
ALMOND	8/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	16.4	GA	43	8S15E9	HERBICIDE
ALFALFA	8/3/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	18.25	GA	73	8S15E13	INSECTICIDE
ALMOND	8/3/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	16.25	GA	52	8S15E9	HERBICIDE
N-OUTDOOR PLANT	8/4/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	0.8	GA	2	8S15E11	HERBICIDE
WALNUT	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	69.93	PT	78	8S14E11	HERBICIDE
ALMOND	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	11.25	GA	30	8S16E16	HERBICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	96	OZ	24	8S16E18	INSECTICIDE
ALMOND	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.2	GA	46	8S15E9	HERBICIDE
ALMOND	8/4/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	16.67	GA	53.33	8S15E9	HERBICIDE
ALMOND	8/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	8S16E17	INSECTICIDE
PLUM	8/5/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.3	GA	3	8S15E11	HERBICIDE
N-OUTDOOR PLANT	8/5/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	2	GA	4	8S15E11	HERBICIDE
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6.4	GA	17	8S15E9	HERBICIDE
ALMOND	8/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54	OZ	13.5	8S16E18	INSECTICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	150	LBS	150	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.63	GA	43	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.81	GA	17	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.86	GA	46	8S15E9	INSECTICIDE
N-OUTDOOR PLANT	8/6/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1	GA	2	8S16E18	HERBICIDE
ALMOND	8/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E18	INSECTICIDE
ALMOND	8/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	160	LBS	160	8S15E9	INSECTICIDE
ALMOND	8/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	156	LBS	156	8S15E9	INSECTICIDE
ALMOND	8/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8	GA	76	8S15E8	INSECTICIDE
ALMOND	8/7/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	11.8	GA	40	8S15E10	HERBICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	3.83	GA	79	8S14E11	INSECTICIDE
ALFALFA	8/7/2008	STEWARD EC	INDOXACARB	A	6.15	GA	127	8S14E1	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/7/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	2.5	GA	76	8S15E8	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.57	GA	18	8S15E10	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
WALNUT	8/7/2008	ABBA 0.15 EC	Abamectin	G	390	OZ	78	8S14E11	INSECTICIDE
ALFALFA	8/7/2008	FYFANON 8 LB. EMULSION	MALATHION	A	20.03	GA	127	8S14E1	INSECTICIDE
ALFALFA	8/7/2008	FYFANON 8 LB. EMULSION	MALATHION	A	12.46	GA	79	8S14E11	INSECTICIDE
ALMOND	8/7/2008	ZEAL MITICIDE(1)	ETOXAZOLE	G	225	OZ	75	8S15E11	INSECTICIDE
WALNUT	8/7/2008	LORSBAN-4E	CHLORPYRIFOS	G	78	QT	78	8S14E11	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.7	GA	130	8S15E2	INSECTICIDE
ALMOND	8/8/2008	ZEAL MITICIDE(1)	ETOXAZOLE	G	225	OZ	75	8S15E11	INSECTICIDE
ALMOND	8/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	55	OZ	5.5	8S16E17	INSECTICIDE
ALFALFA	8/9/2008	STEWARD EC	INDOXACARB	A	4.92	GA	105	8S14E1	INSECTICIDE
N-OUTDOOR PLANT	8/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.81	GA	75	8S15E15	INSECTICIDE
ALFALFA	8/9/2008	FYFANON 8 LB. EMULSION	MALATHION	A	17.47	GA	105	8S14E1	INSECTICIDE
ALMOND	8/10/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	5.6	GA	19	8S15E13	HERBICIDE
ALMOND	8/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.11	GA	75	8S15E13	INSECTICIDE
ALMOND	8/11/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	3.8	GA	14	8S15E11	HERBICIDE
ALMOND	8/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	12	GA	36	8S15E15	HERBICIDE
PEACH	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.94	GA	12	8S14E13	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
TOMATO	8/13/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	14.66	LBS	69.2	8S15E6	INSECTICIDE
ALMOND	8/13/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	2.5	GA	6	8S15E13	HERBICIDE
TOMATO	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.63	GA	69.2	8S15E6	INSECTICIDE
ALMOND	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.06	GA	36	8S15E15	INSECTICIDE
TOMATO	8/13/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	40.74	LBS	69.2	8S15E6	FUNGICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	7.8	GA	78	8S15E8	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/14/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	3.12	GA	25	8S16E16	INSECTICIDE
ALMOND	8/14/2008	OMITE-6E	PROPARGITE	G	2880	OZ	60	8S15E9	INSECTICIDE
ALMOND	8/14/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	A	2.44	GA	78	8S15E8	INSECTICIDE
ALMOND	8/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	40	OZ	10	8S16E20	INSECTICIDE
ALMOND	8/14/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	43.5	8S15E4	HERBICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	4.25	GA	68	8S14E2	INSECTICIDE
WALNUT	8/15/2008	CLINCH ANT BAIT	ABAMECTIN	G	25	LBS	25	8S15E15	INSECTICIDE
ALFALFA	8/15/2008	GOWAN MALATHION 8 FLOWABLE	MALATHION	A	8.5	GA	68	8S14E2	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.7	OZ	60	8S15E11	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E20	INSECTICIDE
ALFALFA	8/16/2008	STEWARD EC	INDOXACARB	A	3.01	GA	55	8S15E10	INSECTICIDE
TOMATO	8/16/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	112	OZ	32	8S15E15	INSECTICIDE
ALMOND	8/16/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	43.2	GA	63	8S15E8	HERBICIDE
ALMOND	8/16/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	290	OZ	20	8S14E12	INSECTICIDE
ALMOND	8/17/2008	GRAMOXONE MAX	PARAQUAT DICHLORIDE	G	4.5	GA	32	8S16E18	HERBICIDE
ALMOND	8/17/2008	NUFOS 4E	CHLORPYRIFOS	G	2.5	GA	32	8S16E18	INSECTICIDE
N-OUTDOOR PLANT	8/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	5.68	GA	75	8S15E15	INSECTICIDE
ALMOND	8/17/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	2.5	GA	32	8S16E18	INSECTICIDE
ALMOND	8/18/2008	OMITE-6E	PROPARGITE	G	1.66	GA	8	8S16E18	INSECTICIDE
TOMATO	8/19/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	G	3.94	LBS	18	8S16E17	INSECTICIDE
ALFALFA	8/19/2008	STEWARD EC	INDOXACARB	G	854	OZ	122	8S15E7	INSECTICIDE
ALMOND	8/19/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	43.5	8S15E2	HERBICIDE
ALFALFA	8/19/2008	FYFANON 8 LB. EMULSION	MALATHION	G	2879.2	OZ	122	8S15E7	INSECTICIDE
CORN FOR/FOD	8/20/2008	BIFENTURE	BIFENTHRIN	A	10.19	GA	243	8S15E6	INSECTICIDE
CORN FOR/FOD	8/21/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	2	GA	40	8S15E8	INSECTICIDE
CORN FOR/FOD	8/21/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1	GA	20	8S15E7	INSECTICIDE
ALMOND	8/21/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	3.8	GA	15	8S15E12	HERBICIDE
ALMOND	8/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	19.35	GA	43	8S15E9	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.65	GA	17	8S15E9	HERBICIDE
ALMOND	8/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	20.7	GA	46	8S15E9	HERBICIDE
ALMOND	8/22/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	7.5	GA	24	8S15E11	HERBICIDE
N-OUTDOOR PLANT	8/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.3	GA	55	8S15E15	INSECTICIDE
ALMOND	8/22/2008	ZEAL MITICIDE	ETOXAZOLE	G	1.88	LBS	10	8S16E18	INSECTICIDE
TOMATO	8/23/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	14.66	LBS	69.2	8S15E6	INSECTICIDE
WALNUT	8/23/2008	CLINCH ANT BAIT	ABAMECTIN	G	36	LBS	36	8S15E12	INSECTICIDE
TOMATO	8/23/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	52.98	LBS	69.2	8S15E6	FUNGICIDE
ALFALFA	8/24/2008	STEWART EC	INDOXACARB	A	2.5	GA	40	8S14E2	INSECTICIDE
ALFALFA	8/24/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	17	GA	136	8S14E2	INSECTICIDE
WALNUT	8/25/2008	CLINCH ANT BAIT	ABAMECTIN	G	58	LBS	58	8S15E12	INSECTICIDE
ALMOND	8/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	4.6	GA	12.2	8S15E15	HERBICIDE
ALMOND	8/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	13.75	GA	76	8S15E13	HERBICIDE
ALMOND	8/26/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.9	GA	7	8S15E2	HERBICIDE
ALMOND	8/26/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	8.7	GA	32	8S15E11	HERBICIDE
WALNUT	8/26/2008	CLINCH ANT BAIT	ABAMECTIN	G	20	LBS	20	8S15E15	INSECTICIDE
ALMOND	8/26/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.25	GA	22	8S15E15	HERBICIDE
WALNUT	8/26/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	15	QT	7.5	8S15E11	INSECTICIDE
ALMOND	8/27/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	13.88	GA	37	8S15E15	HERBICIDE
ALFALFA	8/27/2008	NUFOS 4E	CHLORPYRIFOS	A	12.75	GA	68	8S15E3	INSECTICIDE
ALMOND	8/28/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.5	GA	18	8S15E10	HERBICIDE
ALMOND	8/28/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	20.85	GA	39	8S15E11	HERBICIDE

Figure 40. Location of pesticide use for Duck Slough @ Hwy 99 – Irrigation 5 SED



**Irrigation 5 RS (10/2/08) – *Hyalella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN HUMAN CONSUMP	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	1250	LBS	125	8S15E5	INSECTICIDE
TOMATO	4/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	17.5	OZ	7	8S14E13	INSECTICIDE
PLUM	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.1	GA	3	8S15E11	INSECTICIDE
PLUM	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.9	GA	32	8S15E11	INSECTICIDE
N-OUTDOOR PLANT	5/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	14.8	OZ	4	8S16E18	INSECTICIDE
PISTACHIO	5/2/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	126	OZ	45	8S14E2	INSECTICIDE
ALMOND	5/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.33	GA	37.3	8S16E18	INSECTICIDE
NECTARINE	5/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	8S15E11	INSECTICIDE
PLUM	5/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S15E11	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	20	8S16E21	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	120	OZ	15	8S16E18	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.75	GA	28	8S16E20	INSECTICIDE
ALMOND	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	260	OZ	32.5	8S16E18	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	32	8S14E13	INSECTICIDE
TOMATO	5/23/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	1.09	GA	20	8S16E20	INSECTICIDE
PEACH	5/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	80	OZ	10	8S14E11	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.37	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.69	GA	29	8S15E6	INSECTICIDE
COTTON	6/6/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	1.9	GA	75	8S15E5	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.38	GA	16	8S14E2	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.6	GA	25	8S14E1	INSECTICIDE
COTTON	6/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	280	OZ	70	8S14E13	INSECTICIDE
COTTON	6/13/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	80	OZ	20	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	6/14/2008	POUNCE 3.2 EC	PERMETHRIN	G	15	OZ	15	8S15E15	INSECTICIDE
COTTON	6/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	432	OZ	108	8S14E12	INSECTICIDE

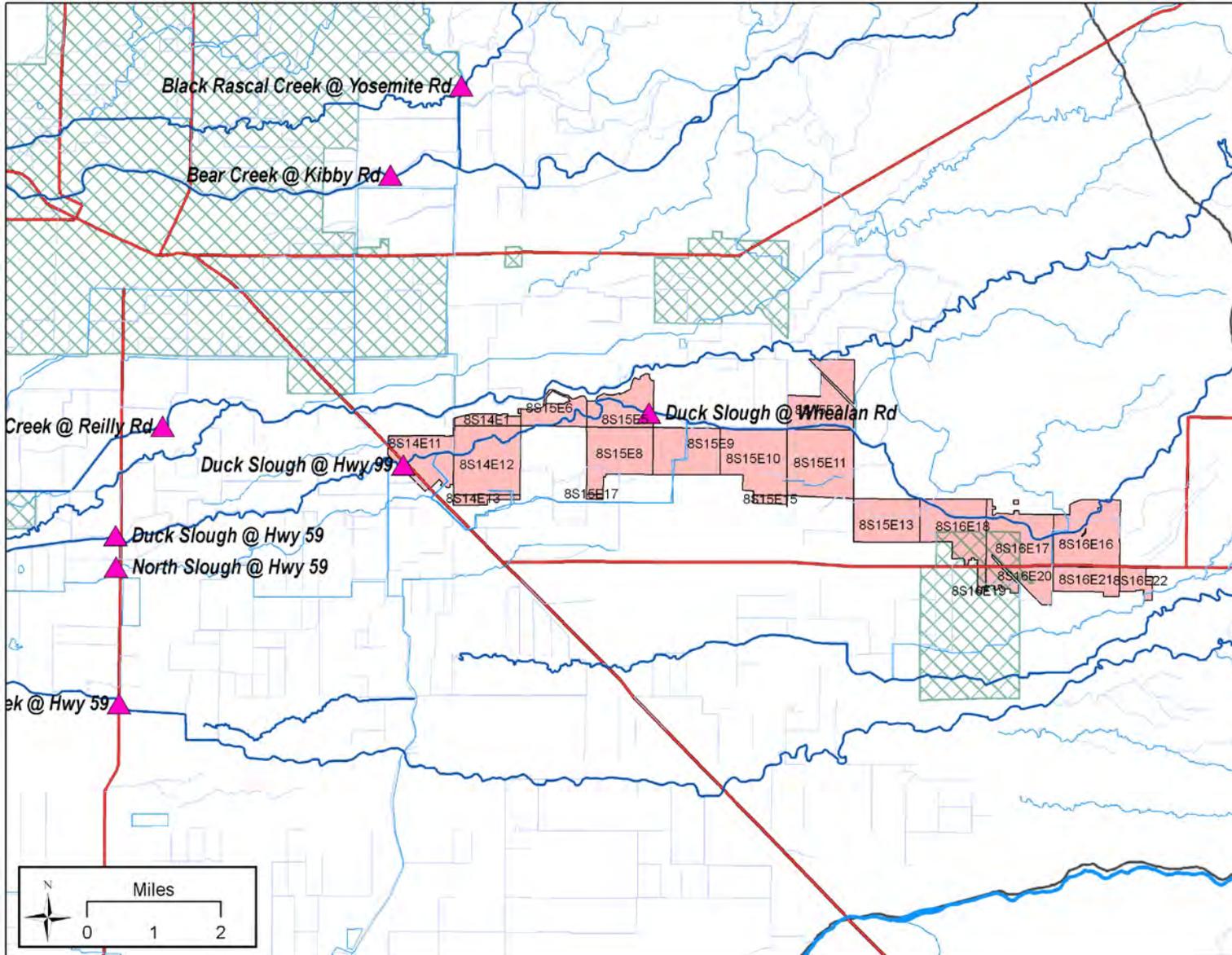
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OAT FOR/FOD	6/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	2050.92	LBS	243	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	6/18/2008	POUNCE 3.2 EC	PERMETHRIN	G	150	OZ	15	8S15E15	INSECTICIDE
N-OUTDOOR PLANT	6/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	50	8S15E15	INSECTICIDE
TOMATO	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.6	GA	55	8S16E19	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.36	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.43	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.68	GA	29	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.05	GA	75	8S15E15	INSECTICIDE
NECTARINE	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	100	OZ	10	8S15E11	INSECTICIDE
PLUM	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S15E11	INSECTICIDE
PEPPER FRUITING	6/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	32.6	8S16E21	INSECTICIDE
COTTON	6/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.76	GA	75	8S15E5	INSECTICIDE
COTTON	7/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.35	GA	16	8S14E2	INSECTICIDE
N-OUTDOOR PLANT	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
COTTON	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.17	GA	50	8S14E1	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	76	OZ	19	8S15E8	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	948	OZ	237	8S15E17	INSECTICIDE
PEACH	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	32	8S14E13	INSECTICIDE
N-OUTDOOR PLANT	7/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5.45	GA	75	8S15E15	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.5	GA	35	8S15E15	INSECTICIDE
TOMATO	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	18	8S16E17	INSECTICIDE
TOMATO	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	15	8S14E13	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6	GA	60	8S15E15	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2	GA	20	8S15E15	INSECTICIDE
TOMATO	7/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.2	GA	55	8S16E19	INSECTICIDE
ALMOND	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	8S16E21	INSECTICIDE
PISTACHIO	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	8S15E5	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	210	OZ	21	8S15E10	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	850	OZ	85	8S16E18	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	8S16E18	INSECTICIDE
ALMOND	7/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	1.59	GA	58	8S16E20	INSECTICIDE
ALMOND	7/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	60	OZ	6	8S16E17	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13.5	GA	135	8S15E2	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.6	GA	36	8S16E18	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.8	GA	28	8S16E20	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.5	GA	30	8S16E16	INSECTICIDE
N-OUTDOOR PLANT	7/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7.1	GA	71	8S16E18	INSECTICIDE
N-OUTDOOR PLANT	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.98	GA	55	8S15E15	INSECTICIDE
N-OUTDOOR PLANT	7/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.96	GA	55	8S15E15	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	15	8S16E18	INSECTICIDE
TOMATO	7/30/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	3.18	QT	34	8S15E6	INSECTICIDE
TOMATO	7/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.12	GA	18	8S16E17	INSECTICIDE
N-OUTDOOR PLANT	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.06	GA	55	8S15E15	INSECTICIDE
ALMOND	8/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	48	OZ	9	8S16E18	INSECTICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	96	OZ	24	8S16E18	INSECTICIDE
ALMOND	8/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	8S16E17	INSECTICIDE
ALMOND	8/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54	OZ	13.5	8S16E18	INSECTICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	150	LBS	150	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.63	GA	43	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.81	GA	17	8S15E9	INSECTICIDE
ALMOND	8/6/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.86	GA	46	8S15E9	INSECTICIDE
ALMOND	8/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E18	INSECTICIDE
ALMOND	8/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	160	LBS	160	8S15E9	INSECTICIDE
ALMOND	8/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	156	LBS	156	8S15E9	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8	GA	76	8S15E8	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.57	GA	18	8S15E10	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.7	GA	130	8S15E2	INSECTICIDE
ALMOND	8/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	55	OZ	5.5	8S16E17	INSECTICIDE
N-OUTDOOR PLANT	8/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.81	GA	75	8S15E15	INSECTICIDE
ALMOND	8/10/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.11	GA	75	8S15E13	INSECTICIDE
PEACH	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.94	GA	12	8S14E13	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
ALMOND	8/13/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	2.5	GA	20	8S15E15	INSECTICIDE
TOMATO	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.63	GA	69.2	8S15E6	INSECTICIDE
ALMOND	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.06	GA	36	8S15E15	INSECTICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	7.8	GA	78	8S15E8	INSECTICIDE
ALMOND	8/14/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	G	3.12	GA	25	8S16E16	INSECTICIDE
ALMOND	8/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	40	OZ	10	8S16E20	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.7	OZ	60	8S15E11	INSECTICIDE
ALMOND	8/15/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	72	OZ	18	8S16E20	INSECTICIDE
N-OUTDOOR PLANT	8/17/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	5.68	GA	75	8S15E15	INSECTICIDE
CORN FOR/FOD	8/20/2008	BIFENTURE	BIFENTHRIN	A	10.19	GA	243	8S15E6	INSECTICIDE
N-OUTDOOR PLANT	8/22/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.3	GA	55	8S15E15	INSECTICIDE
N-OUTDOOR PLANT	8/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.44	GA	55	8S15E15	INSECTICIDE
TOMATO	8/31/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	2.99	GA	45	8S15E15	INSECTICIDE
ALMOND	9/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	56	LBS	56	8S16E20	INSECTICIDE
TOMATO	9/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.9	GA	52	8S15E6	INSECTICIDE
ALMOND	9/5/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	28	GA	78	8S15E8	HERBICIDE
ALMOND	9/6/2008	LAMBDA T	LAMBDA-CYHALOTHRIN	A	2	GA	88	8S14E12	INSECTICIDE
N-OUTDOOR PLANT	9/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.09	GA	55	8S15E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	9/8/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	156	PT	78	8S14E11	HERBICIDE
TOMATO	9/8/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	18	LBS	18	8S16E17	FUNGICIDE
ALMOND	9/9/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	292	PT	73	8S15E15	HERBICIDE
PISTACHIO	9/9/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.63	GA	37	8S16E22	INSECTICIDE
ALMOND	9/10/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1920	OZ	60	8S15E9	HERBICIDE
ALFALFA	9/13/2008	STEWARD EC	INDOXACARB	A	5.31	GA	68	8S14E2	INSECTICIDE
ALMOND	9/13/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	31	GA	76	8S15E8	HERBICIDE
N-OUTDOOR PLANT	9/13/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4	GA	55	8S15E15	INSECTICIDE
N-OUTDOOR PLANT	9/15/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.4	GA	3	8S15E11	HERBICIDE
ALMOND	9/16/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	4	GA	11	8S15E15	HERBICIDE
ALMOND	9/16/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	10	GA	27.5	8S15E15	HERBICIDE
N-OUTDOOR PLANT	9/17/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	7.6	GA	16	8S15E11	HERBICIDE
ALMOND	9/18/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	206	PT	51.5	8S15E17	HERBICIDE
ALMOND	9/19/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	2.92	GA	8	8S15E10	HERBICIDE
ALMOND	9/20/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6	GA	17	8S15E15	HERBICIDE
PISTACHIO	9/25/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4.63	GA	37	8S16E22	INSECTICIDE
COTTON	9/26/2008	COTTONQUICK	ETHEPHON	G	8.75	GA	20	8S14E13	GROWTH REGULATOR
ALMOND	9/27/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	18	GA	50	8S15E13	HERBICIDE
N-OUTDOOR PLANT	9/27/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	A	4.13	GA	55	8S15E15	INSECTICIDE
COTTON	9/30/2008	MFX COTTON HARVEST AID	ETHEPHON	G	12	GA	32	8S14E2	GROWTH REGULATOR
COTTON	10/2/2008	FINISH BRAND 6 HARVEST AID FOR COTTON	ETHEPHON	G	9.06	GA	58	8S15E6	GROWTH REGULATOR
COTTON	10/2/2008	FINISH BRAND 6 HARVEST AID FOR COTTON	ETHEPHON	G	4.84	GA	31	8S15E6	GROWTH REGULATOR

Figure 41. Location of pesticide use for Duck Slough @ Hwy 99 – Irrigation 5 SED RS



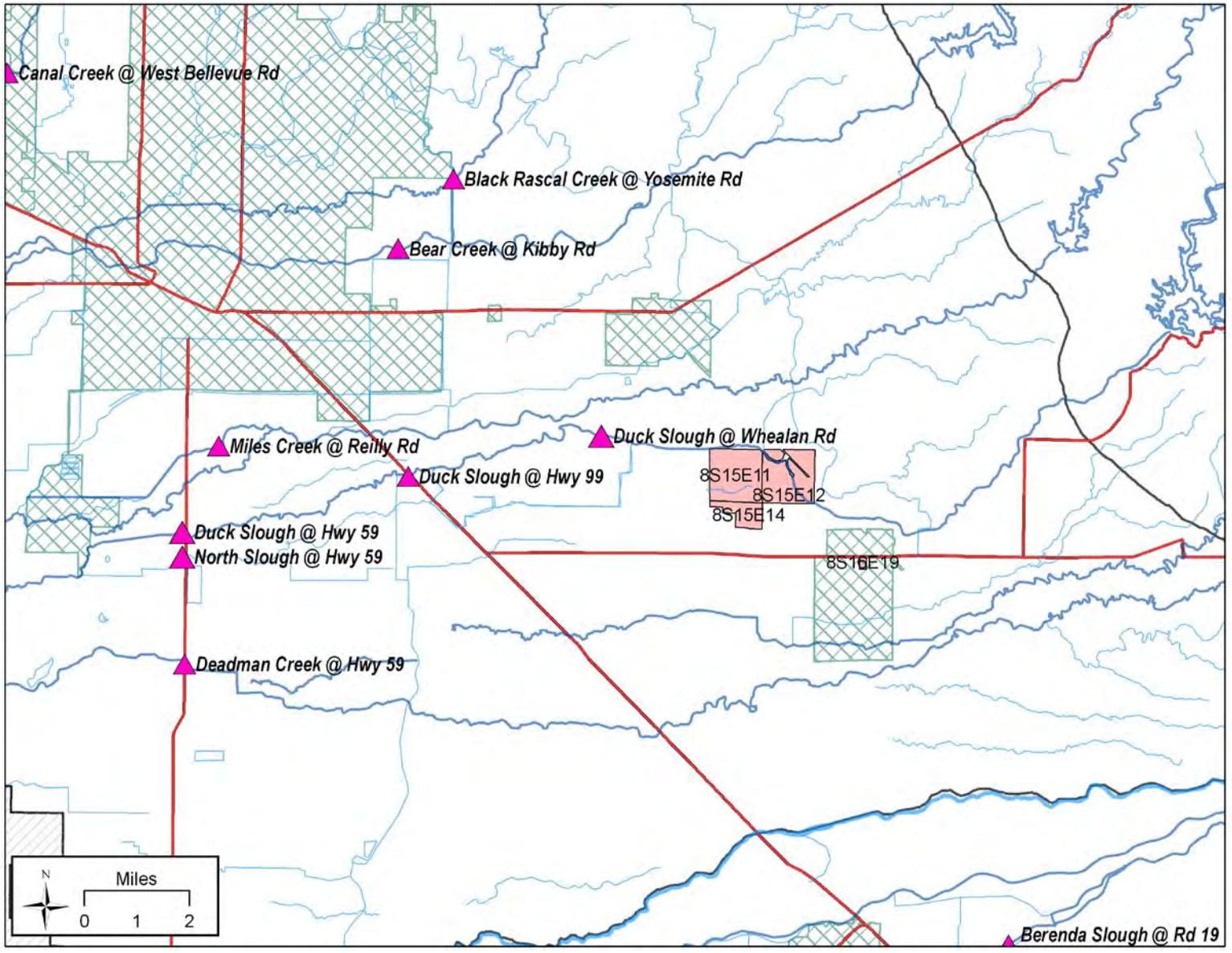
***Duck Slough @ Whealan Rd***

**Pesticide Use Reports for metal exceedances in the water column**

**Irrigation 3 MPM (6/24/08) - copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	4/25/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	60	LBS	15	8S15E11	FUNGICIDE
WALNUT	5/12/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	140	LBS	35	8S15E12	FUNGICIDE
WALNUT	5/13/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	140	LBS	35	8S15E12	FUNGICIDE
TOMATO PROCESSING	5/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	38.25	LBS	25.5	8S15E14	FUNGICIDE
TOMATO PROCESSING	6/2/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	38.76	LBS	25.84	8S16E19	FUNGICIDE

Figure 42. Location of copper use for Duck Slough @ Whealan Rd – Irrigation 3 MPM



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**Irrigation 5 MPM (8/26/08) - copper exceedance.**

No additional applications after 6/2/08

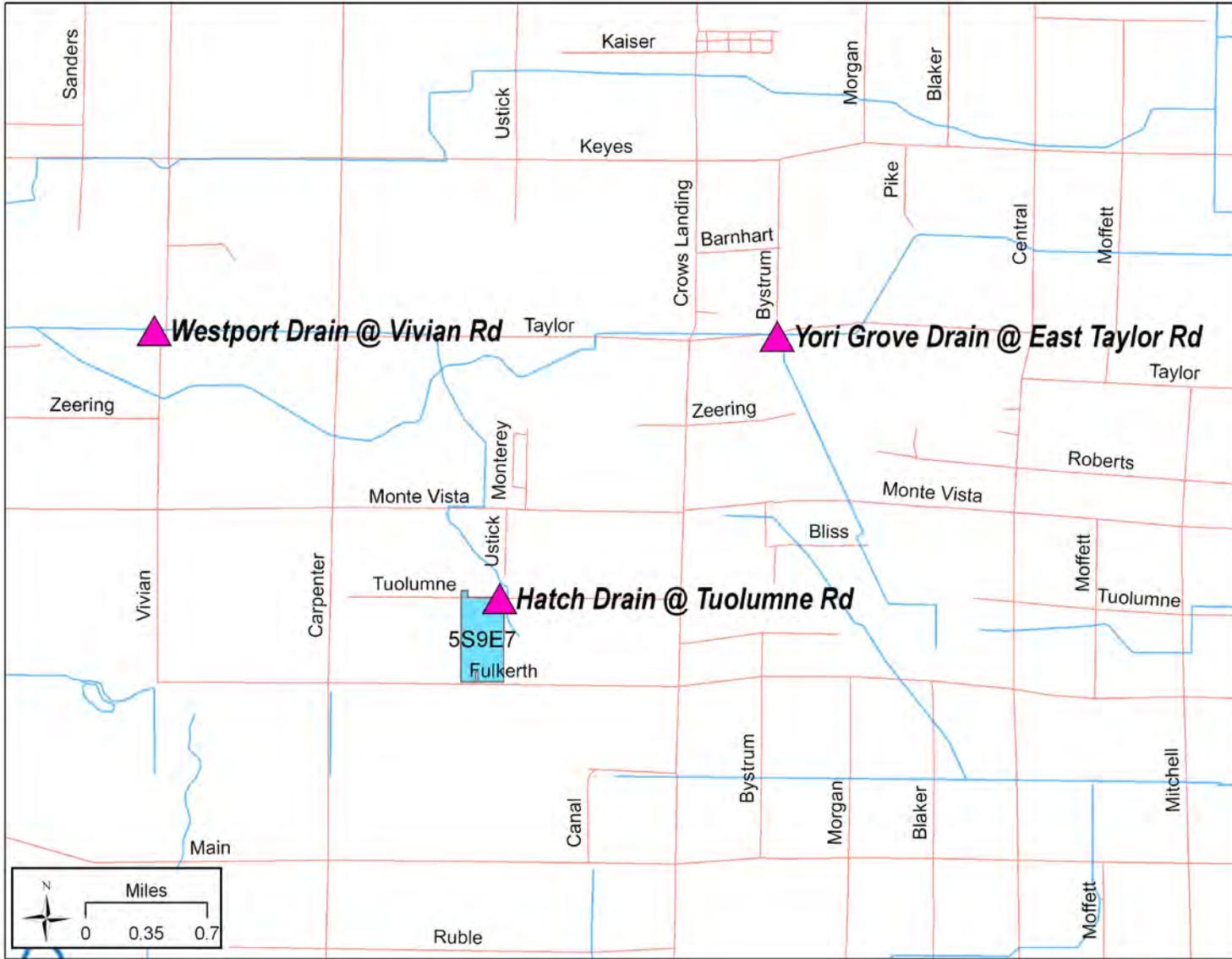
***Hatch Drain @ Tuolumne Rd***

**Pesticide Use Reports for toxicity in the water column**

**Irrigation 1 (4/22/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	67.5	LB	45	5S9E7	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10.5	LB	7	5S9E7	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	5.25	LB	7	5S9E7	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33.75	LB	45	5S9E7	FUNGICIDE

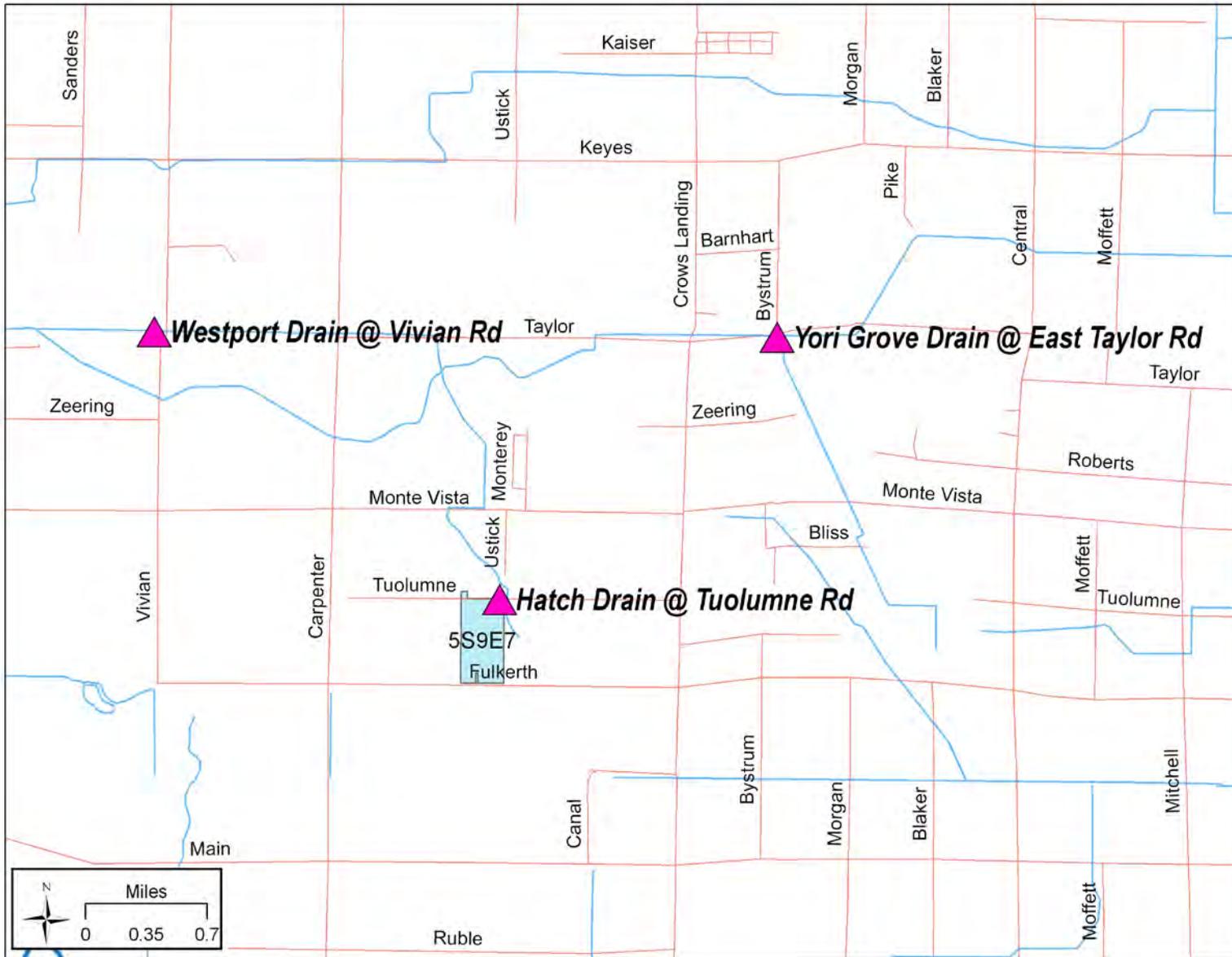
Figure 43. Location of pesticide use for Hatch Drain @ Tuolumne Rd – Irrigation 1



**Irrigation 1 RS (4/29/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	67.5	LB	45	5S9E7	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10.5	LB	7	5S9E7	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	5.25	LB	7	5S9E7	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33.75	LB	45	5S9E7	FUNGICIDE

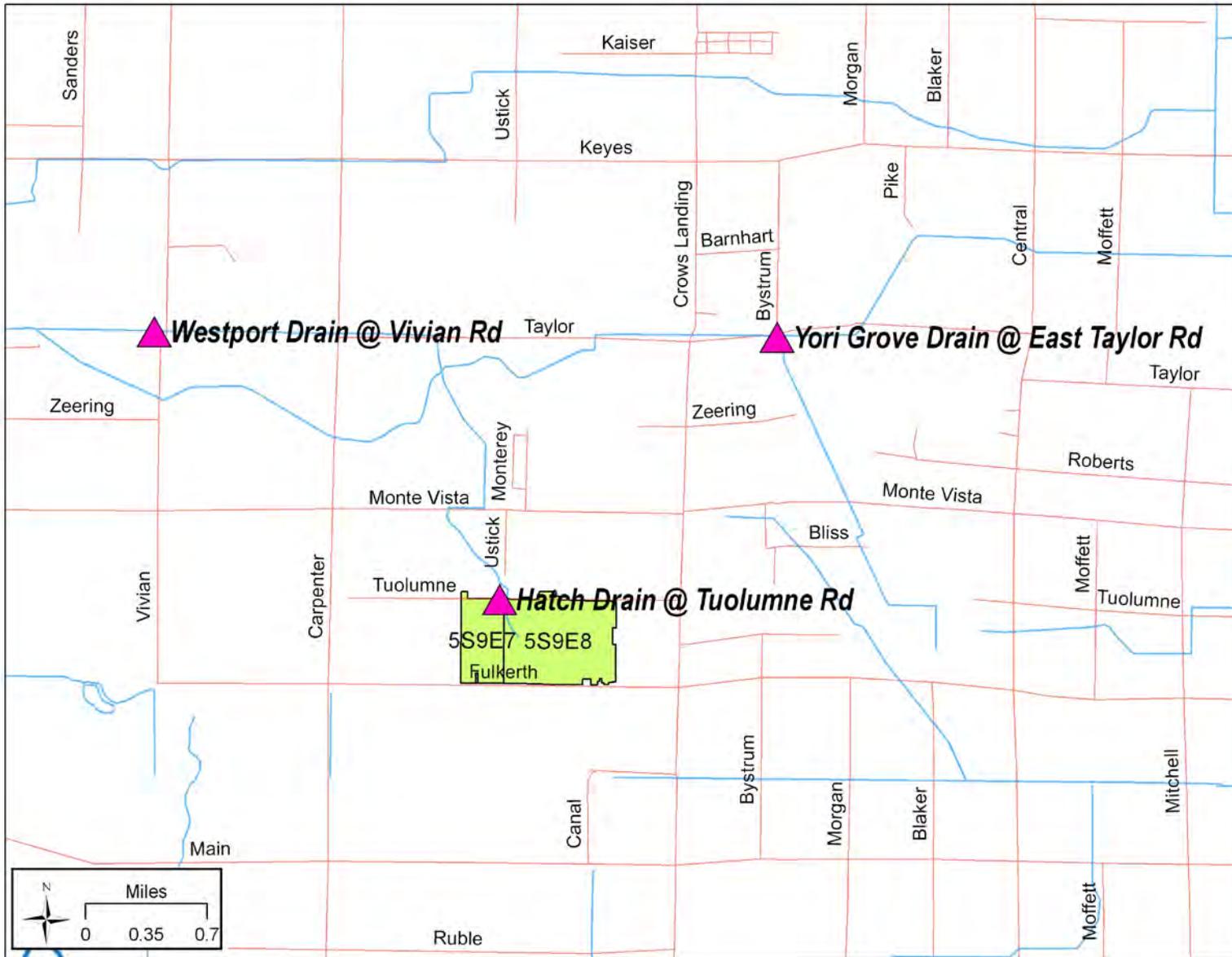
Figure 44. Location of pesticide use for Hatch Drain @ Tuolumne Rd – Irrigation 1 RS



**Irrigation 2 (5/20/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	67.5	LB	45	5S9E7	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	10.5	LB	7	5S9E7	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	5.25	LB	7	5S9E7	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33.75	LB	45	5S9E7	FUNGICIDE
CORN FOR/FOD	5/6/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	6.94	GA	37	5S9E8	HERBICIDE

Figure 45. Location of pesticide use for Hatch Drain @ Tuolumne Rd – Irrigation 2

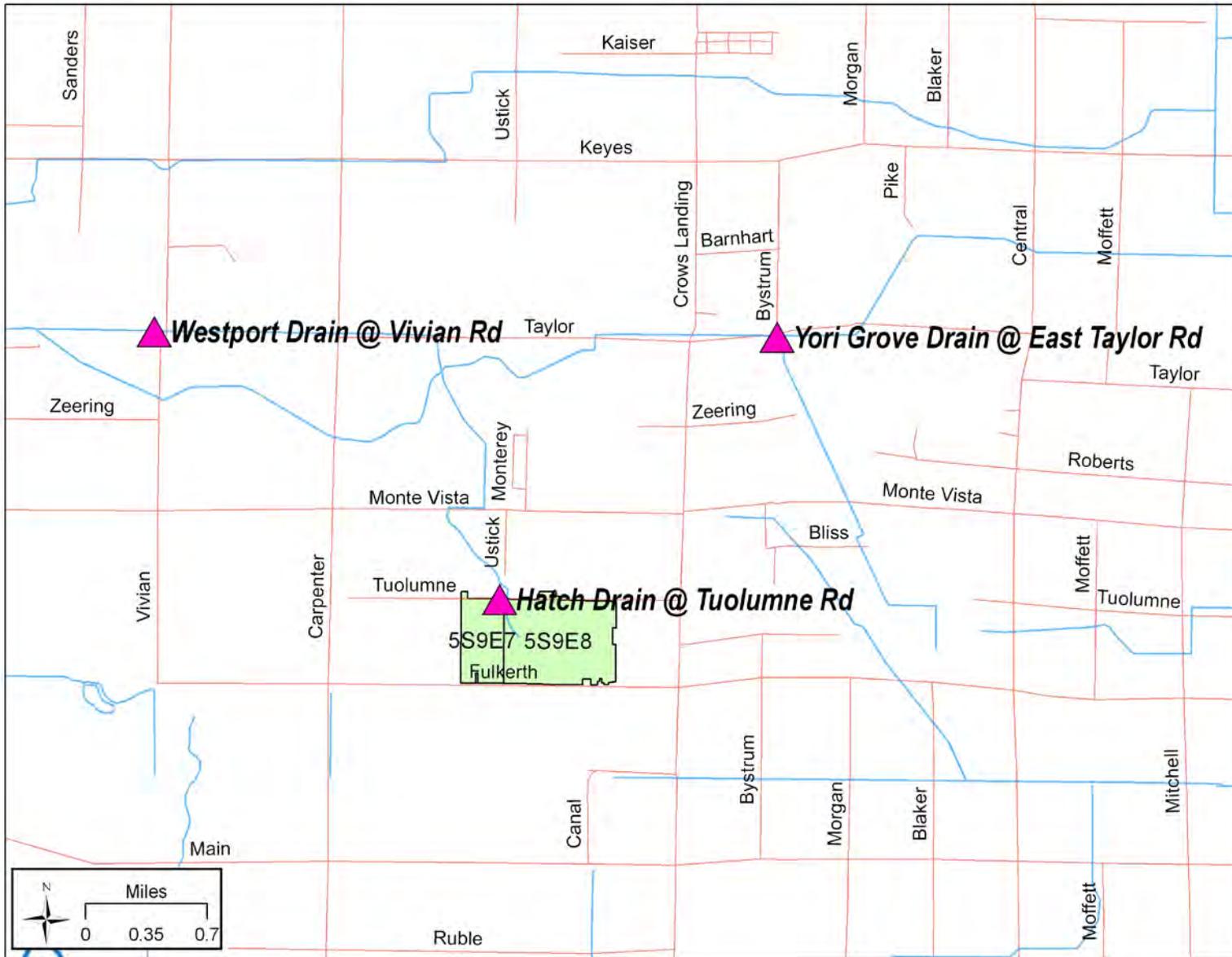


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**Irrigation 4 (7/22/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/9/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	40.91	PT	45	5S9E7	HERBICIDE
CORN FOR/FOD	7/9/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	55	5S9E8	HERBICIDE
CORN FOR/FOD	7/18/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	5	OZ	10	5S9E7	HERBICIDE

Figure 46. Location of pesticide use for Hatch Drain @ Tuolumne Rd – Irrigation 4

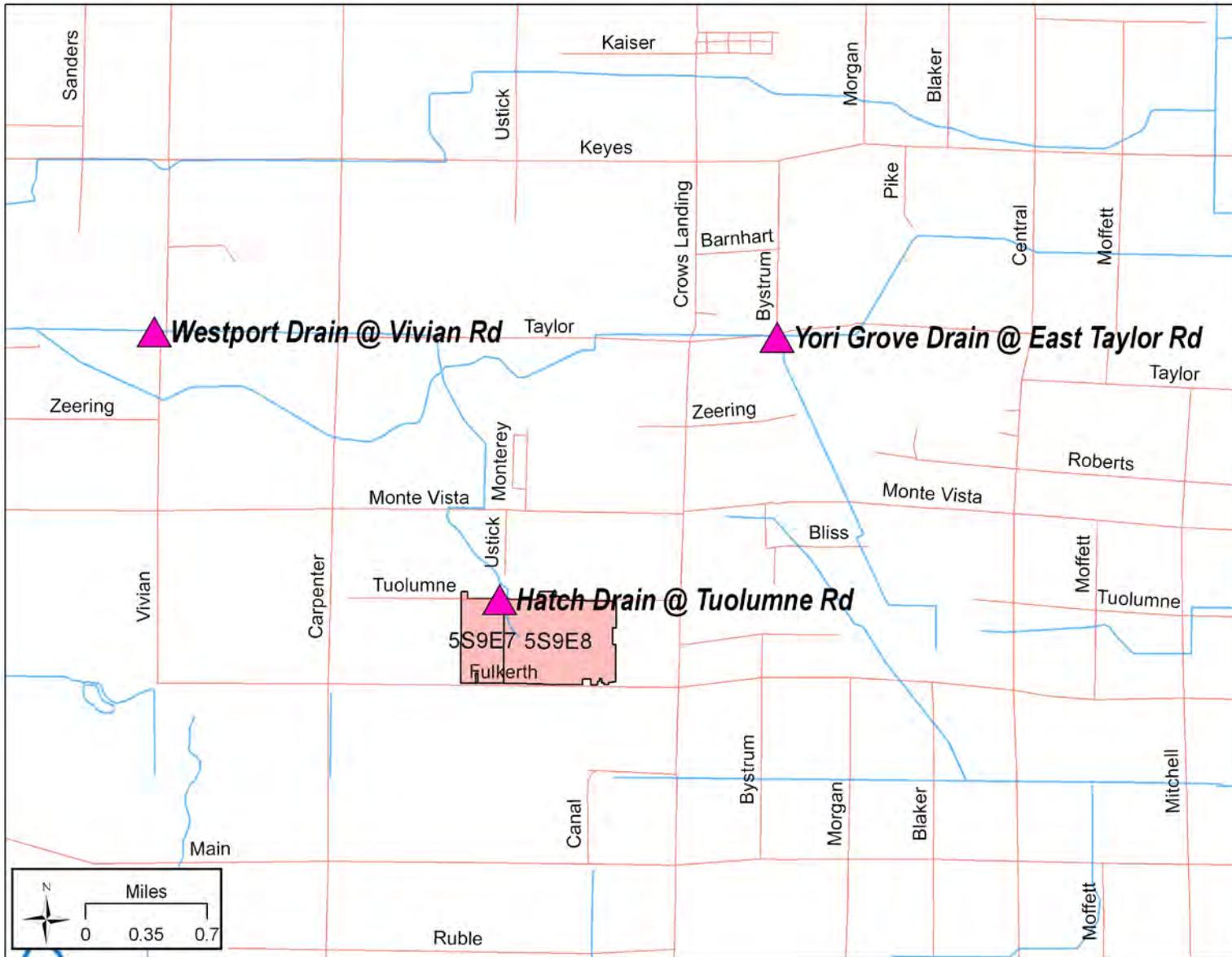


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**Irrigation 4 RS (7/29/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/9/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	40.91	PT	45	5S9E7	HERBICIDE
CORN FOR/FOD	7/9/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	55	5S9E8	HERBICIDE
CORN FOR/FOD	7/18/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	5	OZ	10	5S9E7	HERBICIDE
CORN FOR/FOD	7/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.5	GA	26	5S9E8	HERBICIDE
CORN FOR/FOD	7/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	5S9E8	HERBICIDE

Figure 47. Location of pesticide use for Hatch Drain @ Tuolumne Rd – Irrigation 4 RS

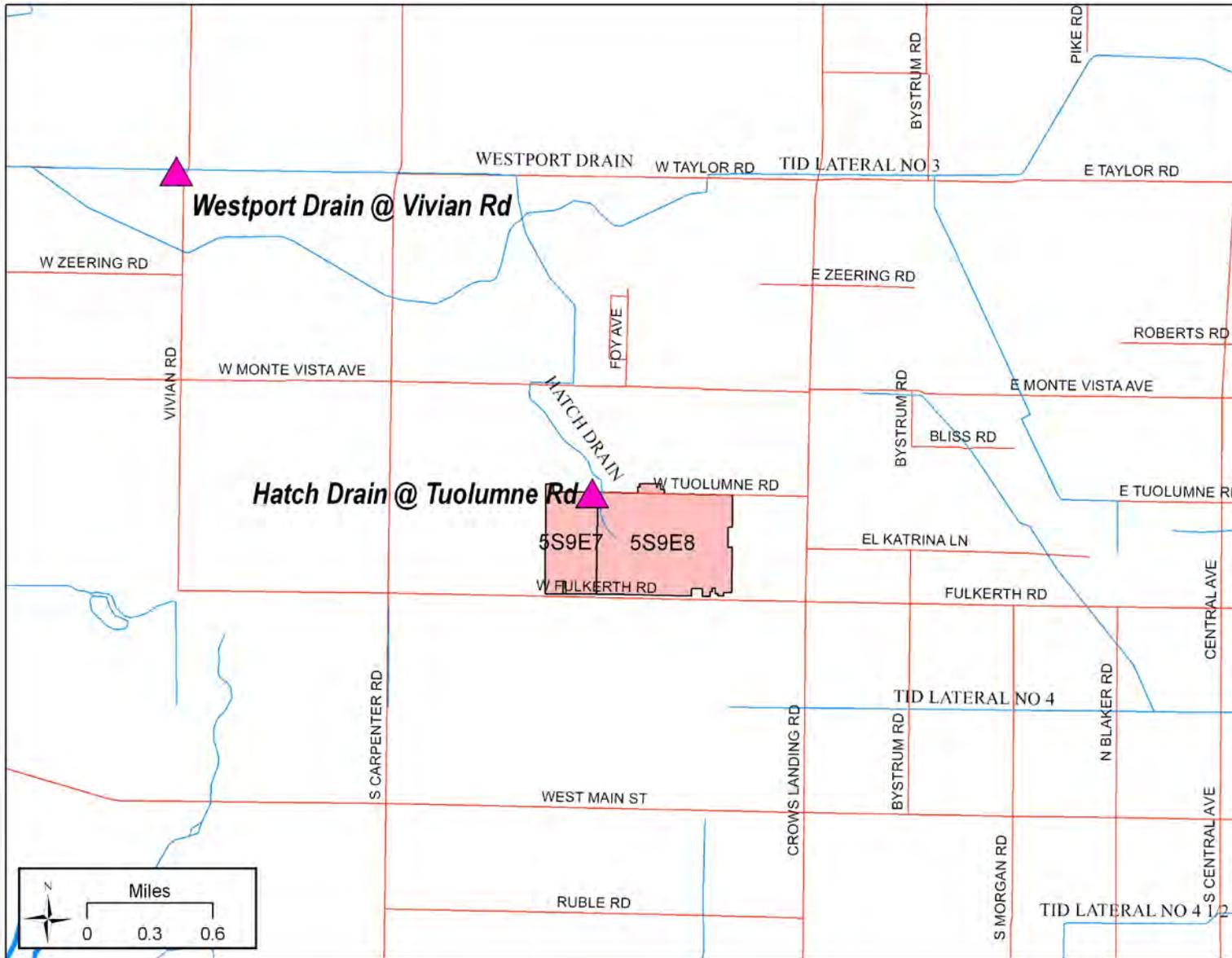


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**Irrigation 5 (8/19/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/18/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	5	OZ	10	5S9E7	HERBICIDE
CORN FOR/FOD	7/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.5	GA	26	5S9E8	HERBICIDE
CORN FOR/FOD	7/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	5S9E8	HERBICIDE

Figure 48. Location of pesticide use for Hatch Drain @ Tuolumne Rd – Irrigation 5

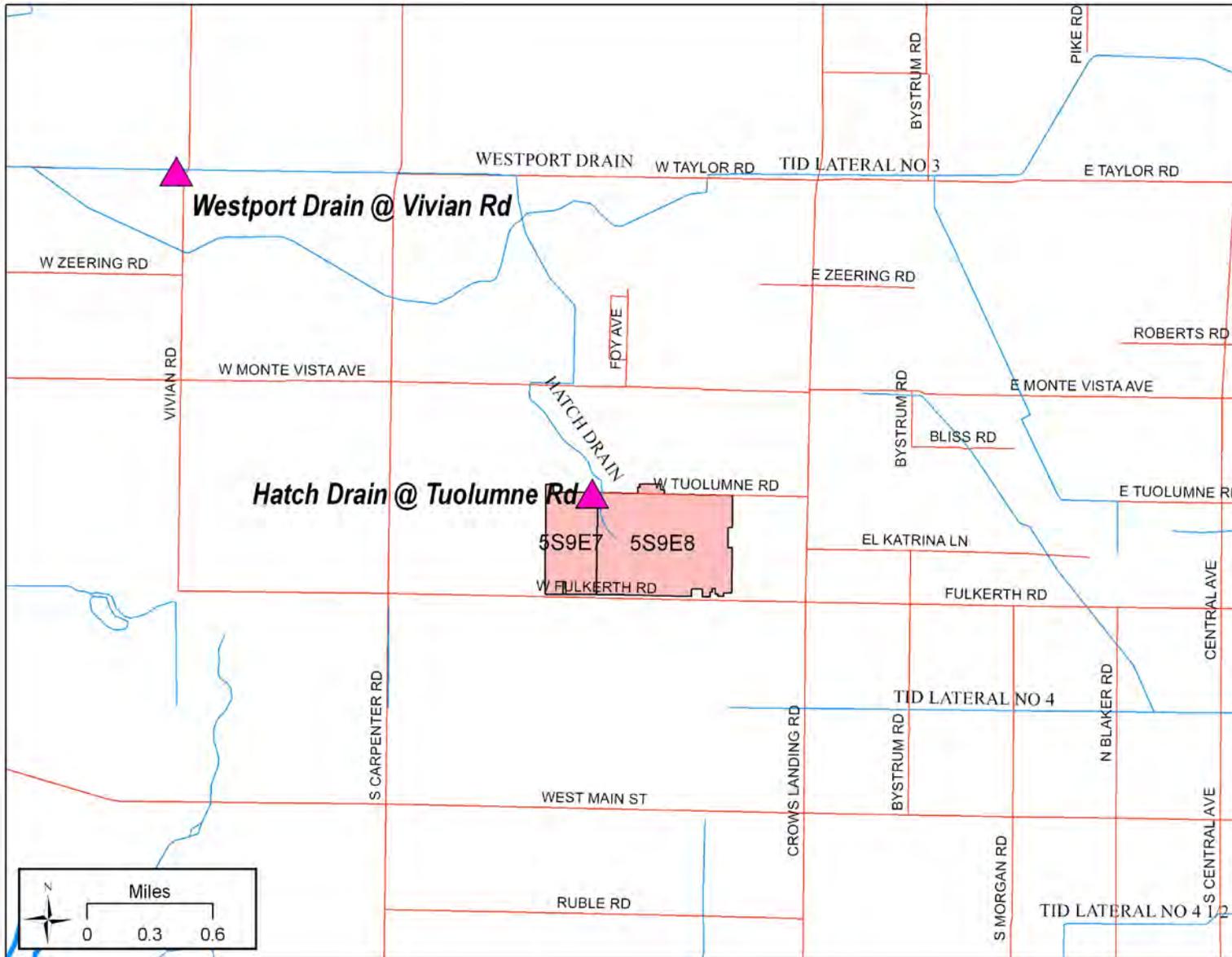


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**Irrigation 5 RS (8/26/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/18/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	5	OZ	10	5S9E7	HERBICIDE
CORN FOR/FOD	7/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.5	GA	26	5S9E8	HERBICIDE
CORN FOR/FOD	7/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	5S9E8	HERBICIDE

Figure 49. Location of pesticide use for Hatch Drain @ Tuolumne Rd– Irrigation 5 RS

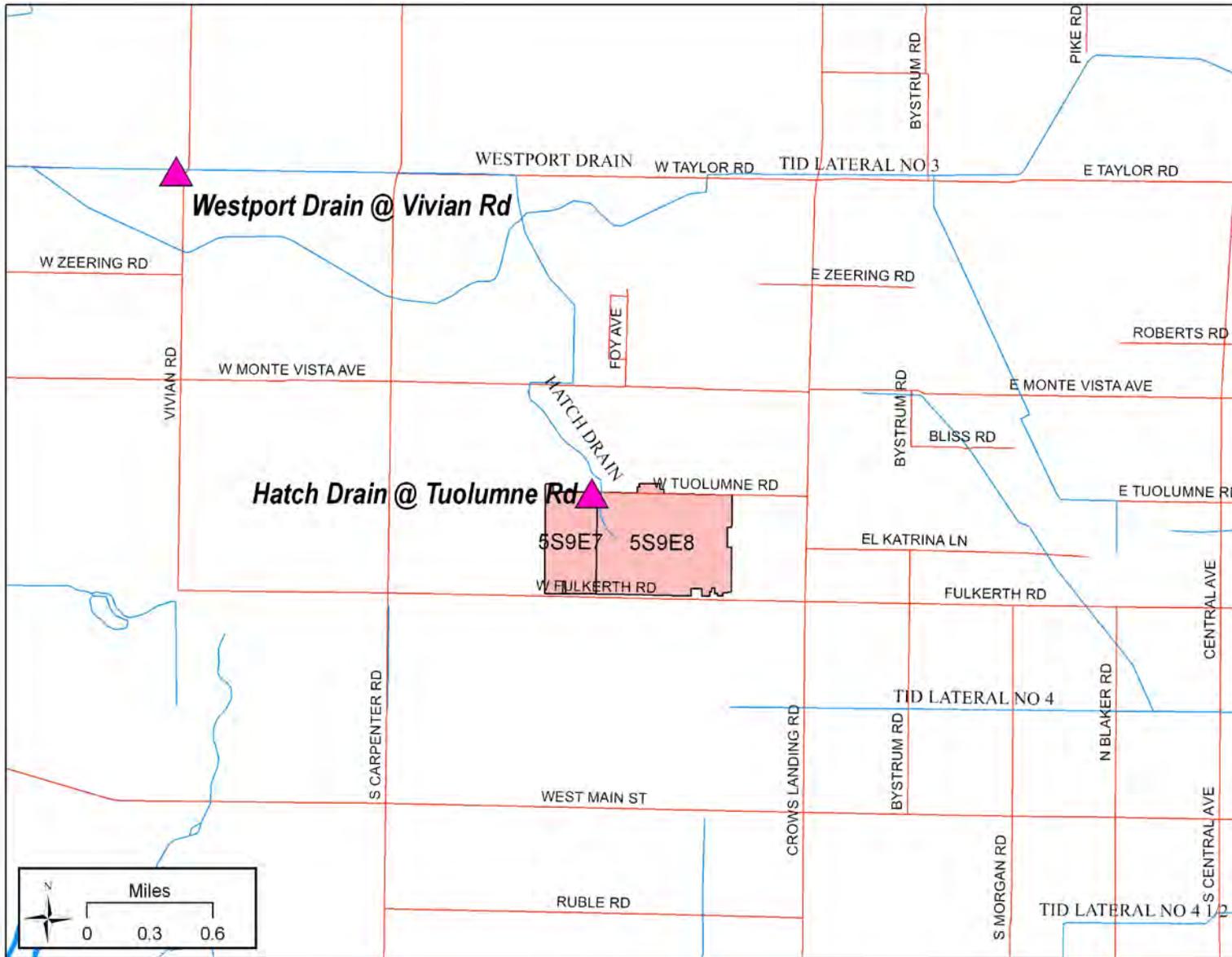


## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.25	GA	9	5S9E7	INSECTICIDE
CORN FOR/FOD	6/18/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.6	GA	20	5S9E8	INSECTICIDE
CORN FOR/FOD	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.94	GA	15	5S9E8	INSECTICIDE
CORN FOR/FOD	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.9	GA	30	5S9E8	INSECTICIDE
CORN FOR/FOD	7/4/2008	BIFENTURE	BIFENTHRIN	G	5.85	GA	117	5S9E7	INSECTICIDE
CORN FOR/FOD	7/4/2008	BIFENTURE	BIFENTHRIN	G	1.85	GA	37	5S9E7	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	249.6	OZ	26	5S9E7	INSECTICIDE
CORN FOR/FOD	7/29/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	5S9E8	HERBICIDE
CORN FOR/FOD	7/29/2008	BIFENTURE	BIFENTHRIN	G	1	GA	20	5S9E8	INSECTICIDE
CORN FOR/FOD	7/29/2008	BIFENTURE	BIFENTHRIN	G	1.3	GA	26	5S9E8	INSECTICIDE
CORN FOR/FOD	7/31/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	G	289	OZ	34	5S9E7	INSECTICIDE
CORN FOR/FOD	7/31/2008	NUFOS 4E	CHLORPYRIFOS	G	68	PT	34	5S9E7	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	0.75	GA	15	5S9E8	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	5S9E8	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	89.6	OZ	14	5S9E8	INSECTICIDE
CORN FOR/FOD	8/11/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	440	OZ	55	5S9E8	INSECTICIDE
CORN FOR/FOD	8/11/2008	BIFENTURE	BIFENTHRIN	A	127.6	OZ	22	5S9E8	INSECTICIDE

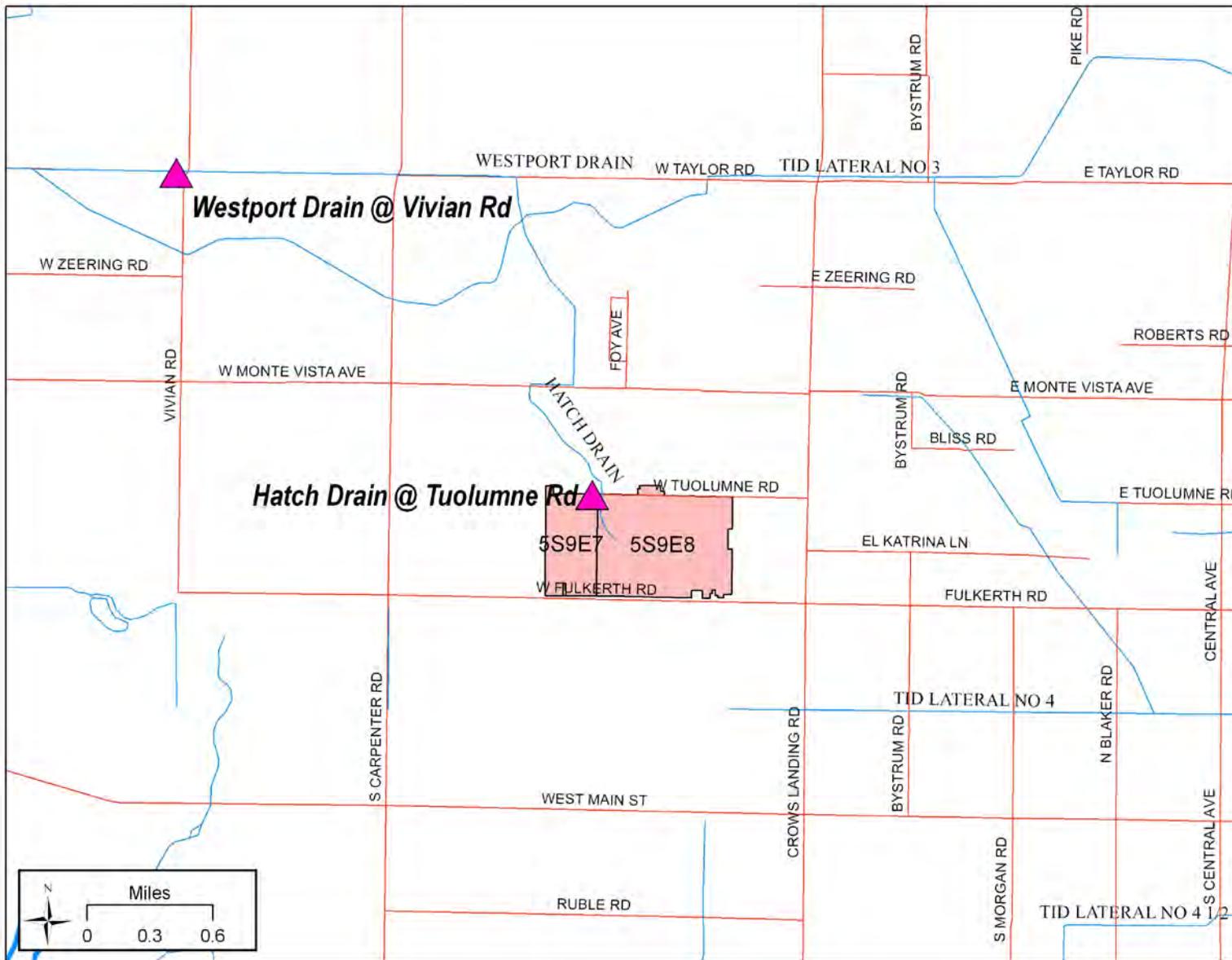
Figure 50. Location of pesticide use for Hatch Drain @ Tuolumne Rd– Irrigation 5 SED



**Irrigation 5 RS (10/2/08) – *Hyaella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	6/18/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.6	GA	20	5S9E8	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	249.6	OZ	26	5S9E7	INSECTICIDE
CORN FOR/FOD	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.94	GA	15	5S9E8	INSECTICIDE
CORN FOR/FOD	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.9	GA	30	5S9E8	INSECTICIDE
CORN FOR/FOD	7/4/2008	BIFENTURE	BIFENTHRIN	G	5.85	GA	117	5S9E7	INSECTICIDE
CORN FOR/FOD	7/4/2008	BIFENTURE	BIFENTHRIN	G	1.85	GA	37	5S9E7	INSECTICIDE
CORN FOR/FOD	7/29/2008	BIFENTURE	BIFENTHRIN	G	1	GA	20	5S9E8	INSECTICIDE
CORN FOR/FOD	7/29/2008	BIFENTURE	BIFENTHRIN	G	1.3	GA	26	5S9E8	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	0.75	GA	15	5S9E8	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	5S9E8	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	89.6	OZ	14	5S9E8	INSECTICIDE
CORN FOR/FOD	8/11/2008	BIFENTURE	BIFENTHRIN	A	127.6	OZ	22	5S9E8	INSECTICIDE
ALFALFA	8/30/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	5	GA	20	5S9E8	INSECTICIDE

Figure 51. Location of pesticide use for Hatch Drain @ Tuolumne Rd – Irrigation 5 SED RS



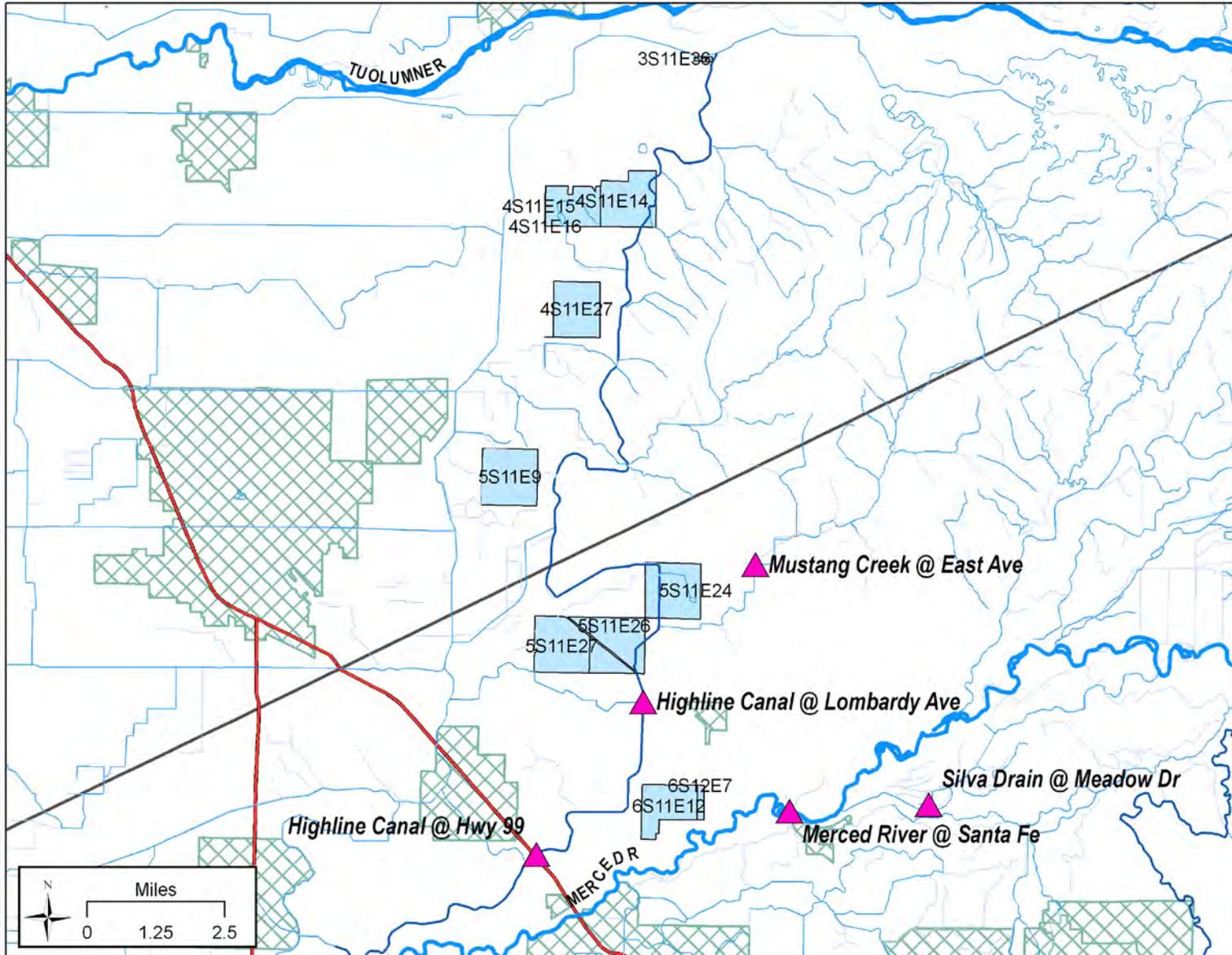
## Highline Canal @ Hwy 99

### Pesticide Use Reports for pesticide exceedances in the water column

#### Irrigation 4 (7/22/08) - chlorpyrifos exceedance.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	6/25/2008	NUFOS 4E	CHLORPYRIFOS	G	2	PT	10	5S11E26	INSECTICIDE
ALMOND	6/26/2008	LORSBAN-4E	CHLORPYRIFOS	G	20	PT	5	5S11E9	INSECTICIDE
WALNUT	7/3/2008	NUFOS 4E	CHLORPYRIFOS	G	64	QT	32	3S11E36	INSECTICIDE
WALNUT	7/3/2008	NUFOS 4E	CHLORPYRIFOS	G	60	QT	30	3S11E36	INSECTICIDE
WALNUT	7/3/2008	NUFOS 4E	CHLORPYRIFOS	G	32	QT	16	3S11E36	INSECTICIDE
CORN FOR/FOD	7/3/2008	NUFOS 4E	CHLORPYRIFOS	A	7.31	GA	30	6S12E7	INSECTICIDE
ALMOND	7/4/2008	NUFOS 4E	CHLORPYRIFOS	G	50	QT	50	5S11E26	INSECTICIDE
WALNUT	7/5/2008	LORSBAN-4E	CHLORPYRIFOS	G	50	QT	25	3S11E36	INSECTICIDE
WALNUT	7/5/2008	LORSBAN-4E	CHLORPYRIFOS	G	112	QT	56	3S11E36	INSECTICIDE
WALNUT	7/5/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	QT	20	3S11E36	INSECTICIDE
ALMOND	7/9/2008	NUFOS 4E	CHLORPYRIFOS	G	17.5	GA	35	5S11E26	INSECTICIDE
ALMOND	7/10/2008	NUFOS 4E	CHLORPYRIFOS	G	148	QT	74	5S11E24	INSECTICIDE
ALMOND	7/12/2008	NUFOS 4E	CHLORPYRIFOS	G	20	PT	10	5S11E27	INSECTICIDE
ALMOND	7/14/2008	NUFOS 4E	CHLORPYRIFOS	G	48	PT	23	5S11E27	INSECTICIDE
ALMOND	7/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	20	QT	40	6S11E12	INSECTICIDE
CORN FOR/FOD	7/17/2008	NUFOS 4E	CHLORPYRIFOS	A	615.6	PT	307.8	4S11E27	INSECTICIDE
ALMOND	7/18/2008	LORSBAN-4E	CHLORPYRIFOS	G	80	PT	20	4S11E16	INSECTICIDE
WALNUT	7/18/2008	NUFOS 4E	CHLORPYRIFOS	G	20	QT	5	5S11E27	INSECTICIDE
ALMOND	7/19/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	800	PT	200	4S11E14	INSECTICIDE
CORN FOR/FOD	7/19/2008	NUFOS 4E	CHLORPYRIFOS	A	328	PT	164	4S11E15	INSECTICIDE

Figure 52. Location of chlorpyrifos use for Highline Canal @ Hwy 99 – Irrigation 4



## Pesticide Use Reports for toxicity in the water column

### Irrigation 1 (4/22/08) – *Selenastrum capricornutum* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	1/29/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	1300	LB	260	4S11E25	FUNGICIDE
PEACH	1/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	300	LBS	20	6S11E12	HERBICIDE
PEACH	1/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	300	LBS	20	6S11E12	INSECTICIDE
PEACH	1/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	300	LBS	20	6S11E12	FUNGICIDE
PEACH	1/30/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	136	LBS	20	6S11E3	FUNGICIDE
PEACH	1/30/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	20.4	LBS	3	6S11E3	FUNGICIDE
PEACH	1/30/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	163.2	LBS	24	6S11E3	FUNGICIDE
ALMOND	1/31/2008	NU-COP 50DF	COPPER HYDROXIDE	G	592	LBS	74	6S11E13	FUNGICIDE
ALMOND	1/31/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	160	PT	40	4S12E5	FUNGICIDE
ALMOND	1/31/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	PT	20	4S12E5	FUNGICIDE
CHERRY	1/31/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	30	LB	2.5	4S11E22	FUNGICIDE
ALMOND	2/1/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	110	LBS	19.13	5S11E36	INSECTICIDE
ALMOND	2/1/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	110	LBS	19.13	5S11E36	HERBICIDE
ALMOND	2/1/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	110	LBS	19.13	5S11E36	FUNGICIDE
ALMOND	2/1/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	499.1	LBS	49.91	5S11E35	HERBICIDE
ALMOND	2/1/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	499.1	LBS	49.91	5S11E35	INSECTICIDE
ALMOND	2/1/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	499.1	LBS	49.91	5S11E35	FUNGICIDE
ALMOND	2/1/2008	NU-COP 50DF	COPPER HYDROXIDE	G	79.92	LBS	12	6S11E14	FUNGICIDE
ALMOND	2/1/2008	NU-COP 50DF	COPPER HYDROXIDE	G	224	LBS	28	6S11E14	FUNGICIDE
ALMOND	2/1/2008	NU-COP 50DF	COPPER HYDROXIDE	G	136	LBS	17	6S11E14	FUNGICIDE
PEACH PROCESSNG	2/4/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	544	LB	80	4S11E23	FUNGICIDE
ALMOND	2/6/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	5	GA	11	3S11E36	FUNGICIDE
ALMOND	2/7/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	240	LBS	38	6S11E13	FUNGICIDE
ALMOND	2/8/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	240	LBS	39	6S11E13	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/11/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	300	LBS	30	5S11E25	FUNGICIDE
ALMOND	2/11/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	300	LBS	30	5S11E25	INSECTICIDE
ALMOND	2/11/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	300	LBS	30	5S11E25	HERBICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	120	LBS	24	6S12E6	HERBICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	90	LBS	16	6S12E6	INSECTICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	72.5	LBS	14.5	6S12E6	FUNGICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	90	LBS	16	6S12E6	HERBICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	72.5	LBS	14.5	6S12E6	HERBICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	120	LBS	24	6S12E6	FUNGICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	120	LBS	24	6S12E6	INSECTICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	90	LBS	16	6S12E6	FUNGICIDE
ALMOND	2/20/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	72.5	LBS	14.5	6S12E6	INSECTICIDE
ALMOND	2/20/2008	KOCIDE 2000	COPPER HYDROXIDE	G	15	LBS	15	6S12E6	FUNGICIDE
ALMOND	2/23/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	12.5	LB	10	4S11E1	FUNGICIDE
ALMOND	2/25/2008	BASICOP	COPPER SULFATE (BASIC)	G	200	LBS	20	6S12E6	FUNGICIDE
ALMOND	2/25/2008	BASICOP	COPPER SULFATE (BASIC)	G	200	LBS	20	6S12E6	INSECTICIDE
ALMOND	2/25/2008	BASICOP	COPPER SULFATE (BASIC)	G	200	LBS	20	6S12E6	HERBICIDE
ALMOND	2/25/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	A	94.5	LB	150	4S12E33	FUNGICIDE
N-OUTDR PLANTS	2/25/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	28	LB	7	4S11E33	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	HERBICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	INSECTICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	FUNGICIDE
ALMOND	2/27/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	165	LB	132	4S11E1	FUNGICIDE
ALMOND	2/27/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	25	LB	20	4S11E1	FUNGICIDE
ALMOND	2/27/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	105	GA	540	4S12E22	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	HERBICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	80	LBS	40	6S11E12	FUNGICIDE
ALMOND	2/28/2008	NORDOX	COPPER OXIDE (OUS)	G	80	LBS	40	6S11E12	FUNGICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	FUNGICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	INSECTICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	HERBICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	FUNGICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	INSECTICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	HERBICIDE
ALMOND	2/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	51	LBS	34	6S11E14	FUNGICIDE
ALMOND	2/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LBS	36	6S11E13	FUNGICIDE
ALMOND	2/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	250	LB	200	5S11E11	FUNGICIDE
ALMOND	2/28/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	40	LB	20	4S11E16	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	HERBICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	HERBICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	HERBICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	6S11E3	INSECTICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	6S11E3	FUNGICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	6S11E3	HERBICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	15	LBS	3	6S11E11	INSECTICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	15	LBS	3	6S11E11	HERBICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	15	LBS	3	6S11E11	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000	COPPER HYDROXIDE	G	75	LBS	50	5S11E35	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
		FUNGICIDE/BACTERICIDE							
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LBS	40	6S11E2	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	100.5	LBS	67	5S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	49.5	LBS	33	6S11E2	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	37.5	LBS	25	6S11E11	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	105	LBS	70	6S11E1	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LBS	16	6S11E11	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	36	LBS	24	5S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E28	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LBS	20	6S11E3	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	48	LBS	32	5S11E36	FUNGICIDE
ALMOND	2/29/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	250	LB	200	4S11E25	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	14	QT	14	3S11E36	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	27	QT	27	3S11E36	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	QT	40	3S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	37.5	LB	25	4S12E5	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	4S12E5	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	A	105	QT	105	4S11E23	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	40	PT	20	4S11E16	FUNGICIDE
PEACH	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LBS	6	5S11E35	FUNGICIDE
ALMOND	2/29/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	60	LBS	30	6S11E3	FUNGICIDE
ALMOND	2/29/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	50	LBS	25	6S11E3	FUNGICIDE
ALMOND	3/1/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	100	LB	160	4S12E27	FUNGICIDE
ALMOND	3/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	105	LB	140	4S11E14	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/3/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	HERBICIDE
ALMOND	3/3/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	INSECTICIDE
ALMOND	3/3/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	84	LBS	56	5S11E25	FUNGICIDE
ALMOND	3/4/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	23	LBS	23	6S11E13	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	235	LBS	47	6S11E11	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	235	LBS	47	6S11E11	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	235	LBS	47	6S11E11	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	FUNGICIDE
ALMOND	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LBS	20	5S11E26	FUNGICIDE
ALMOND	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	103.5	LBS	69	5S11E28	FUNGICIDE
PEACH	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	HERBICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	163.5	LBS	109	5S12E30	FUNGICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	5S11E10	FUNGICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	103.5	LBS	69	5S11E28	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	INSECTICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	HERBICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	INSECTICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	INSECTICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	HERBICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	HERBICIDE
ALMOND	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	84.75	LBS	113	5S11E25	FUNGICIDE
ALMOND	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	90	LB	60	4S11E1	FUNGICIDE
PEACH	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	6S11E14	FUNGICIDE
PEACH	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	39	LBS	26	6S11E13	FUNGICIDE
ALMOND	3/7/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	80	LBS	40	6S11E1	FUNGICIDE
ALMOND	3/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	20	4S11E1	FUNGICIDE
ALMOND	3/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	99.75	LB	133	4S11E1	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	INSECTICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	HERBICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	HERBICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	INSECTICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	INSECTICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	HERBICIDE
ALMOND	3/8/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	27.75	LBS	37	5S11E26	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	3/12/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	100	LBS	20	6S11E12	HERBICIDE
PEACH	3/12/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	100	LBS	20	6S11E12	INSECTICIDE
PEACH	3/12/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	100	LBS	20	6S11E12	FUNGICIDE
ALMOND	3/13/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	140	LBS	25	6S11E12	FUNGICIDE
PEACH	3/13/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE
ALMOND	3/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LB	16	5S11E3	FUNGICIDE
PEACH	3/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33	LBS	22	5S11E36	FUNGICIDE
PEACH	3/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	36	LBS	24	6S11E3	FUNGICIDE
PEACH	3/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE
WALNUT	3/15/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	8	5S11E27	FUNGICIDE
PEACH	3/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	22.5	LBS	15	5S11E35	FUNGICIDE
WALNUT	3/17/2008	NU-COP 50DF	COPPER HYDROXIDE	G	180	LB	45	3S11E36	FUNGICIDE
WALNUT	3/17/2008	NU-COP 50DF	COPPER HYDROXIDE	G	72	LB	18	3S11E36	FUNGICIDE
ALMOND	3/20/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	195	LB	260	4S11E25	FUNGICIDE
ALMOND	3/21/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	20	LBS	4	6S11E11	HERBICIDE
ALMOND	3/21/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	20	LBS	4	6S11E11	INSECTICIDE
ALMOND	3/21/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	20	LBS	4	6S11E11	FUNGICIDE
WALNUT	3/22/2008	KOCIDE 101	COPPER HYDROXIDE	G	20	LBS	6	5S11E27	FUNGICIDE
ALMOND	3/25/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	GA	76	5S11E25	HERBICIDE
ALMOND	3/25/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	1480.15	OZ	31.8	5S12E31	HERBICIDE
ALMOND	3/25/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	740.07	OZ	31.8	5S12E31	HERBICIDE
ALMOND	3/25/2008	SIMAZINE 90DF	SIMAZINE	G	40	LBS	76	5S11E25	HERBICIDE
ALMOND	3/25/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	174.55	OZ	30	4S11E1	HERBICIDE
ALMOND	3/25/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	10.91	LB	30	4S11E1	HERBICIDE
ALMOND	3/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	523.64	OZ	30	4S11E1	HERBICIDE
ALMOND	3/25/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	523.64	OZ	30	4S11E1	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE RAISIN	3/25/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	5.62	LBS	7.5	6S12E7	HERBICIDE
GRAPE RAISIN	3/25/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	4.97	GA	7.5	6S12E7	HERBICIDE
ALMOND	3/26/2008	ALECTO 41S	GLYPHOSATE	G	55.5	PT	37	5S11E26	HERBICIDE
ALMOND	3/26/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	37	PT	37	5S11E26	HERBICIDE
ALMOND	3/26/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	23.13	LBS	37	5S11E26	HERBICIDE
ALMOND	3/26/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	40064	OZ	626	5S12E7	HERBICIDE
ALMOND	3/27/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	1100	OZ	220	5S11E1	HERBICIDE
ALMOND	3/27/2008	GOAL 2XL	OXYFLUORFEN	G	660	OZ	220	5S11E1	HERBICIDE
ALMOND	3/27/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	278	PT	220	5S11E1	HERBICIDE
ALMOND	3/27/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	4800	OZ	40	4S11E1	HERBICIDE
ALMOND	3/28/2008	ALECTO 41S	GLYPHOSATE	G	1744	OZ	109	5S12E30	HERBICIDE
ALMOND	3/28/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	1744	OZ	109	5S12E30	HERBICIDE
ALMOND	3/28/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	350	OZ	80	5S11E1	HERBICIDE
ALMOND	3/28/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	70	QT	80	5S11E1	HERBICIDE
ALMOND	3/28/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	20	PT	20	5S11E1	HERBICIDE
ALMOND	3/28/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	105	PT	80	5S11E1	HERBICIDE
ALMOND	3/28/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	280	PT	80	5S11E1	HERBICIDE
WALNUT	3/28/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	8	5S11E27	FUNGICIDE
ALMOND	3/29/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	10	LBS	46	6S11E15	HERBICIDE
ALMOND	3/29/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	46	6S11E15	HERBICIDE
ALMOND	3/31/2008	GOAL 2XL	OXYFLUORFEN	G	1.9	QT	15.08	6S12E7	HERBICIDE
ALMOND	3/31/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.8	GA	15.08	6S12E7	HERBICIDE
ALMOND	3/31/2008	RIVERDALE SOLUTION WATER SOLUBLE	2,4-D, DIMETHYLAMINE SALT	G	17	LBS	15.08	6S12E7	HERBICIDE
ALMOND	3/31/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	13	GA	20	5S11E3	HERBICIDE
ALMOND	3/31/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	10	GA	16	5S11E3	HERBICIDE
ALMOND	3/31/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	30	GA	52	5S12E5	HERBICIDE
WALNUT	3/31/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	5	5S11E27	FUNGICIDE
ALMOND	4/1/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	236	PT	540	5S11E1	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/1/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	590	QT	540	5S11E1	HERBICIDE
ALMOND	4/1/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	590	PT	540	5S11E1	HERBICIDE
ALMOND	4/1/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	354	PT	540	5S11E1	HERBICIDE
N-OUTDR PLANTS	4/1/2008	PROKOZ ZENITH 75 WSP INSECTICIDE	IMIDACLOPRID	G	4	OZ	9	4S11E33	HERBICIDE
WALNUT	4/1/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	64	LBS	8	5S11E35	FUNGICIDE
ALMOND	4/2/2008	RELY 200 HERBICIDE	GLUFOSINATE-AMMONIUM	G	405	PT	202.5	4S12E30	HERBICIDE
ALMOND	4/2/2008	RIVERDALE SOLUTION WATER SOLUBLE	2,4-D, DIMETHYLAMINE SALT	G	421.2	OZ	202.5	4S12E30	HERBICIDE
WALNUT	4/2/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	400	LB	80	3S12E31	FUNGICIDE
WALNUT	4/2/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	450	LB	90	3S12E31	FUNGICIDE
WALNUT	4/2/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LB	30	3S11E36	FUNGICIDE
ALMOND	4/3/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	100	GA	200	4S12E30	HERBICIDE
ALMOND	4/3/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	60	PT	20	5S12E5	HERBICIDE
ALMOND	4/3/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	160	OZ	20	5S12E5	HERBICIDE
ALMOND	4/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	200	PT	200	4S12E30	HERBICIDE
PEACH	4/3/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3	GA	20	5S11E26	HERBICIDE
WALNUT	4/3/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	8	OZ	4	5S11E27	HERBICIDE
WALNUT	4/3/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	4	OZ	4	5S11E27	HERBICIDE
WALNUT	4/3/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6	QT	4	5S11E27	HERBICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	48	LB	12	3S11E36	FUNGICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	64	LB	16	3S11E36	FUNGICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LB	20	3S11E36	FUNGICIDE
ALMOND	4/3/2008	GOAL 2XL	OXYFLUORFEN	G	3.96	GA	6.33	6S11E1	HERBICIDE
ALMOND	4/3/2008	BAYER CROPS SCIENCE LP	GLUFOSINATE-AMMONIUM	G	2.5	GA	6.33	6S11E1	HERBICIDE
ALMOND	4/3/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	5	GA	6.33	6S11E1	HERBICIDE
ALMOND	4/4/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	175	PT	400	5S11E1	HERBICIDE
ALMOND	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	0.65	GA	17	3S11E36	HERBICIDE
ALMOND	4/4/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	437	QT	400	5S11E1	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/4/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	437	PT	400	5S11E1	HERBICIDE
ALMOND	4/4/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.36	GA	17	3S11E36	HERBICIDE
ALMOND	4/4/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	263	PT	400	5S11E1	HERBICIDE
ALMOND	4/4/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	2.62	GA	17	3S11E36	HERBICIDE
ALMOND	4/5/2008	GOAL 2XL	OXYFLUORFEN	G	24	OZ	12	6S11E12	HERBICIDE
ALMOND	4/5/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6	GA	12	6S11E12	HERBICIDE
ALMOND	4/5/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	343.27	OZ	11.8	5S12E31	HERBICIDE
ALMOND	4/5/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	274.62	OZ	11.8	5S12E31	HERBICIDE
ALMOND	4/5/2008	PRINCEP 4L	SIMAZINE	G	2052	OZ	342	4S11E24	HERBICIDE
ALMOND	4/5/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	162.5	PT	52	5S11E9	HERBICIDE
ALMOND	4/5/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	43.33	PT	52	5S11E9	HERBICIDE
ALMOND	4/5/2008	RELY 200 HERBICIDE	GLUFOSINATE-AMMONIUM	G	54.17	PT	52	5S11E9	HERBICIDE
ALMOND	4/7/2008	GOAL 2XL	OXYFLUORFEN	G	2.8	QT	22.4	5S11E25	HERBICIDE
ALMOND	4/7/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.6	GA	22.4	5S11E25	HERBICIDE
ALMOND	4/7/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	25.2	LBS	22.4	5S11E25	HERBICIDE
ALMOND	4/7/2008	GOAL 2XL	OXYFLUORFEN	G	62.33	OZ	28	4S11E16	HERBICIDE
ALMOND	4/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	23.37	PT	28	4S11E16	HERBICIDE
ALMOND	4/7/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	23.37	PT	28	4S11E16	HERBICIDE
ALMOND	4/8/2008	GOAL 2XL	OXYFLUORFEN	G	96	PT	60	5S11E26	HERBICIDE
ALMOND	4/8/2008	GOAL 2XL	OXYFLUORFEN	G	2	QT	15.65	6S12E6	HERBICIDE
ALMOND	4/8/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	29.83	OZ	3.5	6S11E13	HERBICIDE
ALMOND	4/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.9	GA	15.65	6S12E6	HERBICIDE
ALMOND	4/8/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	96	PT	60	5S11E26	HERBICIDE
ALMOND	4/8/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	96	PT	60	5S11E26	HERBICIDE
ALMOND	4/8/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	17.6	LBS	15.65	6S12E6	HERBICIDE
ALMOND	4/8/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	580	PT	145	4S12E27	HERBICIDE
ALMOND	4/8/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	145	PT	145	4S12E27	HERBICIDE
GRAPE, WINE	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	19.03	GA	76.1	4S12E28	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE, WINE	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	37.25	GA	149	4S12E27	FUNGICIDE
ALMOND	4/9/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	1021.09	OZ	35.1	6S12E6	HERBICIDE
ALMOND	4/9/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	816.87	OZ	35.1	6S12E6	HERBICIDE
GRAPE, WINE	4/9/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	72.62	GA	180	4S12E21	HERBICIDE
GRAPE, WINE	4/9/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	49.58	GA	136.35	4S12E28	HERBICIDE
GRAPE, WINE	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	45	GA	180	4S12E21	FUNGICIDE
SWEET POTATO	4/9/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	129.6	GA	10.8	6S11E9	HERBICIDE
ALMOND	4/10/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	145.45	OZ	25	4S12E5	HERBICIDE
ALMOND	4/10/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	232.73	OZ	40	4S12E5	HERBICIDE
ALMOND	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	0.45	GA	16	4S11E16	HERBICIDE
ALMOND	4/10/2008	GOAL 2XL	OXYFLUORFEN	G	10	PT	20	4S11E16	HERBICIDE
ALMOND	4/10/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	14.55	LB	40	4S12E5	HERBICIDE
ALMOND	4/10/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	9.09	LB	25	4S12E5	HERBICIDE
ALMOND	4/10/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	4S11E16	HERBICIDE
ALMOND	4/10/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.64	GA	16	4S11E16	HERBICIDE
ALMOND	4/10/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	165.45	OZ	40	4S12E5	HERBICIDE
ALMOND	4/10/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	290.91	OZ	25	4S12E5	HERBICIDE
ALMOND	4/10/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	436.36	OZ	25	4S12E5	HERBICIDE
ALMOND	4/10/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	698.18	OZ	40	4S12E5	HERBICIDE
ALMOND	4/10/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	1.82	GA	16	4S11E16	HERBICIDE
GRAPE, WINE	4/10/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	27.67	GA	76.1	4S12E28	HERBICIDE
GRAPE, WINE	4/10/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	125.73	GA	309	4S12E27	HERBICIDE
WALNUT	4/10/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	QT	30	3S11E36	HERBICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	168	QT	56	3S11E36	FUNGICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75	QT	25	3S11E36	FUNGICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	60	QT	20	3S11E36	FUNGICIDE
WALNUT	4/10/2008	ARROW 2 EC HERBICIDE	CLETHODIM	G	240	OZ	30	3S11E36	HERBICIDE
ALMOND	4/11/2008	ALECTO 41S	GLYPHOSATE	G	349.09	OZ	40	5S11E28	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/11/2008	ALECTO 41S	GLYPHOSATE	G	37	PT	37	5S11E26	HERBICIDE
ALMOND	4/11/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	698.18	OZ	40	5S11E28	HERBICIDE
ALMOND	4/11/2008	GOAL 2XL	OXYFLUORFEN	G	88	OZ	22	5S11E27	HERBICIDE
ALMOND	4/11/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	4.17	LBS	23	6S11E13	HERBICIDE
ALMOND	4/11/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5.62	GA	23	6S11E13	HERBICIDE
ALMOND	4/11/2008	AGRISOLUTIONS CORNERSTONE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	33	QT	22	5S11E27	HERBICIDE
ALMOND	4/11/2008	DUPONT MATRIX FNV HERBICIDE	RIMSULFURON	G	43.64	OZ	40	5S11E28	HERBICIDE
ALMOND	4/11/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	24.67	PT	37	5S11E26	HERBICIDE
ALMOND	4/11/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	523.64	OZ	40	5S11E28	HERBICIDE
ALMOND	4/11/2008	BAYER CROPS SCIENCE LP	GLUFOSINATE-AMMONIUM	G	919.27	OZ	31.6	5S12E31	HERBICIDE
ALMOND	4/11/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	735.42	OZ	31.6	5S12E31	HERBICIDE
ALMOND	4/11/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	24.67	PT	37	5S11E26	HERBICIDE
ALMOND	4/11/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	213.33	PT	640	4S12E20	HERBICIDE
ALMOND	4/11/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	640	PT	640	4S12E20	HERBICIDE
ALMOND	4/11/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	30	4S11E1	HERBICIDE
ALMOND	4/11/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	426.67	PT	640	4S12E20	HERBICIDE
GRAPE WINE	4/11/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	2.06	LBS	11	6S11E14	HERBICIDE
GRAPE WINE	4/11/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.75	GA	11	6S11E14	HERBICIDE
GRAPE WINE	4/11/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	0.82	LBS	4.5	6S11E14	HERBICIDE
GRAPE WINE	4/11/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.13	GA	4.5	6S11E14	HERBICIDE
ALMOND	4/12/2008	ORCHARD CLEAN 4L	2,4-D, DIMETHYLAMINE SALT	G	22.73	PT	25	6S11E2	HERBICIDE
ALMOND	4/12/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	90.91	OZ	25	6S11E2	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	16	OZ	8	5S11E27	HERBICIDE
ALMOND	4/12/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	34.09	PT	25	6S11E2	HERBICIDE
ALMOND	4/12/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	8	5S11E27	HERBICIDE
ALMOND	4/12/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	87.5	PT	200	4S11E13	HERBICIDE
ALMOND	4/12/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	320	PT	240	4S11E24	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	700	OZ	200	4S11E13	HERBICIDE

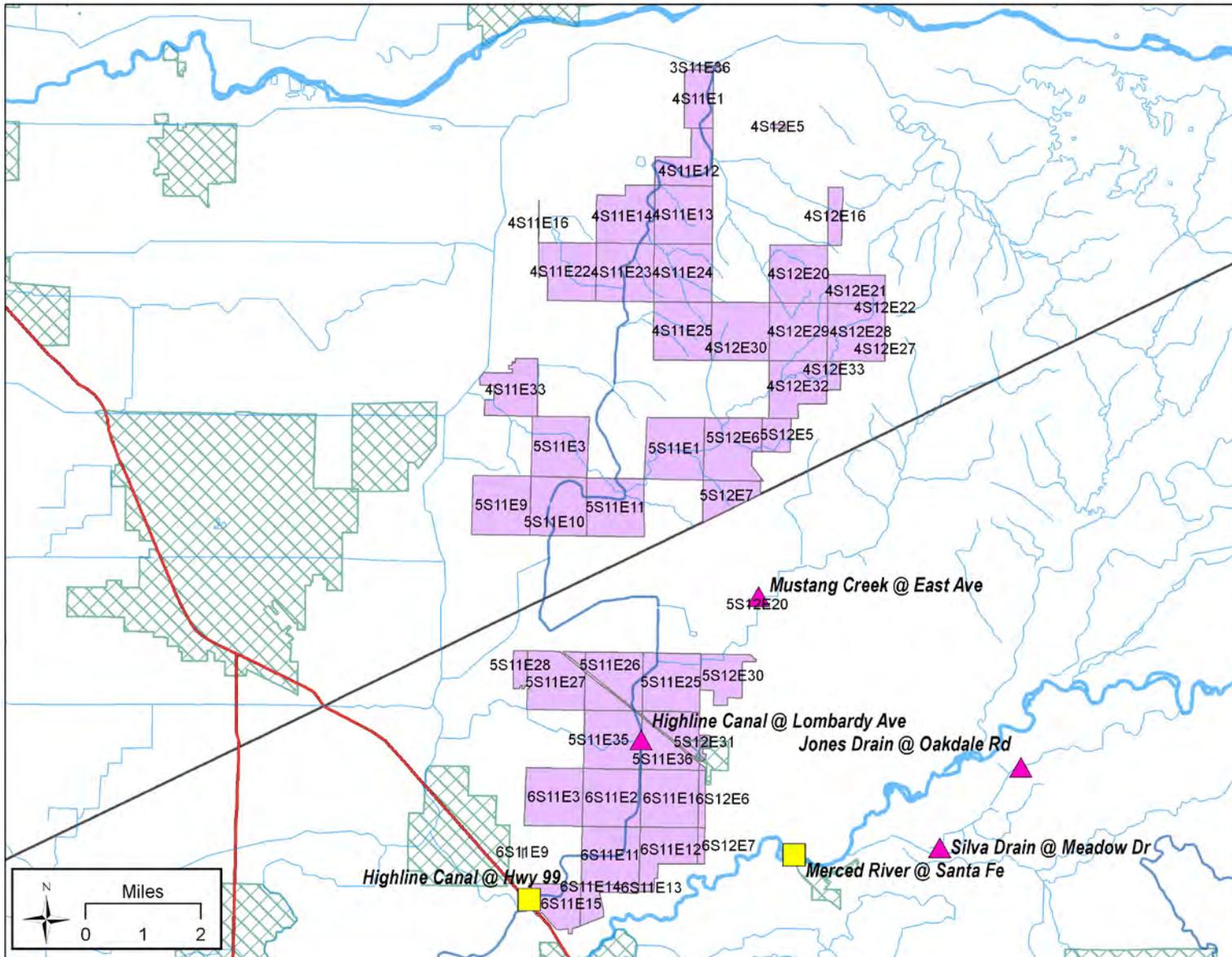
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/12/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	350	PT	200	4S11E13	HERBICIDE
ALMOND	4/12/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	262.5	PT	200	4S11E13	HERBICIDE
ALMOND	4/12/2008	RELY 200 HERBICIDE	GLUFOSINATE-AMMONIUM	G	240	PT	240	4S11E24	HERBICIDE
ALMOND	4/12/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	1575	OZ	200	4S11E13	HERBICIDE
APRICOT	4/12/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10.79	QT	18.5	5S11E3	HERBICIDE
APRICOT	4/12/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	10.79	QT	18.5	5S11E3	HERBICIDE
CORN FOR/FOD	4/12/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	54	GA	216	4S11E22	HERBICIDE
GRAPE, WINE	4/12/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	89.41	GA	395	4S12E28	HERBICIDE
GRAPE, WINE	4/12/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	53.86	GA	395	4S12E28	HERBICIDE
GRAPE, WINE	4/12/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	1.68	GA	395	4S12E28	HERBICIDE
ALMOND	4/13/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	24	QT	12	5S12E6	HERBICIDE
ALMOND	4/14/2008	BAYER CROPS SCIENCE LP	GLUFOSINATE-AMMONIUM	G	506.18	OZ	29	5S11E28	HERBICIDE
ALMOND	4/14/2008	PRINCEP 4L	SIMAZINE	G	1	QT	1	4S11E16	HERBICIDE
ALMOND	4/14/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	255	GA	255	4S12E16	HERBICIDE
ALMOND	4/14/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	24.5	GA	49	4S12E20	HERBICIDE
ALMOND	4/14/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	80.5	GA	161	4S12E21	HERBICIDE
ALMOND	4/14/2008	ROUNDUP ULTRAMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	24	OZ	1	4S11E16	HERBICIDE
ALMOND	4/14/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	161	PT	161	4S12E21	HERBICIDE
ALMOND	4/14/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	49	PT	49	4S12E20	HERBICIDE
ALMOND	4/14/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	63.75	GA	255	4S12E16	HERBICIDE
ALMOND	4/14/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	20	OZ	1	4S11E16	HERBICIDE
ALMOND	4/14/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	63.75	GA	255	4S12E16	HERBICIDE
GRAPE, WINE	4/14/2008	KENTAN DF	COPPER HYDROXIDE	G	320	LB	160	4S12E27	FUNGICIDE
N-OUTDOOR TRANSPL	4/14/2008	MBC-33 SOIL FUMIGANT	METHYL BROMIDE	F1103	9324	LBS	26.5	5S11E35	HERBICIDE
SWEET POTATO	4/14/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	G	360	GA	6	6S11E1	HERBICIDE
ALMOND	4/15/2008	GOAL 2XL	OXYFLUORFEN	G	300	OZ	10	5S11E27	HERBICIDE
ALMOND	4/15/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	20	OZ	10	5S11E27	HERBICIDE
ALMOND	4/15/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	8	6S11E1	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/15/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	10	OZ	10	5S11E27	HERBICIDE
ALMOND	4/15/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	QT	10	5S11E27	HERBICIDE
ALMOND	4/15/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	19.5	GA	80	4S12E5	HERBICIDE
ALMOND	4/15/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	210	GA	420	4S11E25	HERBICIDE
ALMOND	4/15/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	600	QT	600	4S11E12	HERBICIDE
ALMOND	4/15/2008	IGNITE HERBICIDE	GLUFOSINATE-AMMONIUM	G	54	GA	80	4S12E5	HERBICIDE
ALMOND	4/15/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1120	OZ	70	6S11E1	HERBICIDE
ALMOND	4/15/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	1120	OZ	70	6S11E1	HERBICIDE
ALMOND	4/16/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	1750	OZ	350	5S11E1	HERBICIDE
ALMOND	4/16/2008	GOAL 2XL	OXYFLUORFEN	G	1050	OZ	350	5S11E1	HERBICIDE
ALMOND	4/16/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	437	PT	350	5S11E1	HERBICIDE
GRAPE WINE	4/16/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	3.19	LBS	15	6S11E13	HERBICIDE
GRAPE WINE	4/16/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.25	GA	15	6S11E13	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	8	OZ	6.25	6S11E11	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	A	8	FLOZ	139	5S12E20	HERBICIDE
ALMOND	4/17/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	1	LBS	6	6S11E14	HERBICIDE
ALMOND	4/17/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	3	PT	139	5S12E20	HERBICIDE
ALMOND	4/17/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.31	GA	6	6S11E14	HERBICIDE
ALMOND	4/17/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2	GA	6.25	6S11E11	HERBICIDE
ALMOND	4/17/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	A	2	PT	139	5S12E20	HERBICIDE
ALMOND	4/17/2008	DREXEL SIMAZINE 4L	SIMAZINE	A	10	FLOZ	139	5S12E20	HERBICIDE
ALMOND	4/17/2008	RIVERDALE SOLUTION WATER SOLUBLE	2,4-D, DIMETHYLAMINE SALT	G	918	OZ	191.25	4S12E29	HERBICIDE
N-OUTDOOR TRANSP	4/17/2008	TERR-O-GAS 67	METHYL BROMIDE	F1103	1750	LBS	5	6S11E2	HERBICIDE
PEACH	4/17/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16	QT	16	5S12E31	HERBICIDE
ALMOND	4/18/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	1.06	LBS	6	6S11E14	HERBICIDE
ALMOND	4/18/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	2.81	LBS	14.5	6S11E13	HERBICIDE
ALMOND	4/18/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.43	GA	6	6S11E14	HERBICIDE
ALMOND	4/18/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	14.5	6S11E13	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/18/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	15	QT	25	5S12E30	HERBICIDE
ALMOND	4/18/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	40	PT	40	5S11E1	HERBICIDE
GRAPE, WINE	4/18/2008	KENTAN DF	COPPER HYDROXIDE	G	790	LB	395	4S12E28	FUNGICIDE
N-OUTDOOR TRANSPL	4/18/2008	MBC-33 SOIL FUMIGANT	METHYL BROMIDE	F1103	3637	LBS	10.3	6S12E6	HERBICIDE
N-OUTDOOR TRANSPL	4/18/2008	MBC-33 SOIL FUMIGANT	METHYL BROMIDE	F1103	3541	LBS	9.6	6S12E7	HERBICIDE
PEACH	4/18/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	480	OZ	15	5S11E35	HERBICIDE
PEACH	4/18/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	480	OZ	15	5S11E35	HERBICIDE
ALMOND	4/19/2008	CHATEAU HERBICIDE SW	FLUMIOXAZIN	G	3	LBS	15	6S11E14	HERBICIDE
ALMOND	4/19/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	15	6S11E14	HERBICIDE
ALMOND	4/19/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	34.5	PT	11.5	5S11E35	HERBICIDE
ALMOND	4/19/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	680	OZ	85	4S11E24	HERBICIDE
ALMOND	4/19/2008	GOAL 2XL	OXYFLUORFEN	G	85	PT	85	4S11E24	HERBICIDE
ALMOND	4/19/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	3025.46	OZ	260	4S11E25	HERBICIDE
ALMOND	4/19/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	255	PT	85	4S11E24	HERBICIDE
ALMOND	4/19/2008	ALECTO 41S	GLYPHOSATE	G	3025.46	OZ	260	4S11E25	HERBICIDE
N-OUTDOOR TRANSPL	4/19/2008	TERR-O-GAS 67	METHYL BROMIDE	F1103	7630	LBS	21.8	6S11E2	HERBICIDE
PEACH	4/19/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	128	OZ	5	6S12E6	HERBICIDE
SWEET POTATO	4/19/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	G	240	GA	4	6S11E1	HERBICIDE
ALMOND	4/20/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	330	QT	330	4S12E33	HERBICIDE
ALMOND	4/20/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	190	QT	190	4S11E24	HERBICIDE
PEACH	4/20/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	163.84	OZ	6.4	5S12E31	HERBICIDE
WALNUT	4/21/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	5	5S11E27	FUNGICIDE
ALMOND	4/22/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	QT	35	5S11E26	HERBICIDE
ALMOND	4/22/2008	GOAL 2XL	OXYFLUORFEN	G	224	OZ	35	5S11E26	HERBICIDE
ALMOND	4/22/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	7.5	GA	30	4S11E25	HERBICIDE
ALMOND	4/22/2008	ACUMEN HERBICIDE	PENDIMETHALIN	G	32	GA	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	80	PT	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	860	OZ	20	5S12E7	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/22/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	80	QT	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	4S11E25	HERBICIDE
ALMOND	4/22/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	7.5	GA	30	4S11E25	HERBICIDE
WALNUT	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LB	30	3S11E36	FUNGICIDE

Figure 53. Location of pesticide use for Highline Canal @ Hwy 99 – Irrigation 1



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**Irrigation 2 (5/20/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/27/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	165	LB	132	4S11E1	FUNGICIDE
ALMOND	2/27/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	25	LB	20	4S11E1	FUNGICIDE
ALMOND	2/27/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	105	GA	540	4S12E22	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	HERBICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	INSECTICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	HERBICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	INSECTICIDE
ALMOND	2/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	250	LB	200	5S11E11	FUNGICIDE
ALMOND	2/28/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	40	LB	20	4S11E16	FUNGICIDE
ALMOND	2/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	80	LBS	40	6S11E12	FUNGICIDE
ALMOND	2/28/2008	NORDOX	COPPER OXIDE (OUS)	G	80	LBS	40	6S11E12	FUNGICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	FUNGICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	INSECTICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	HERBICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	FUNGICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	INSECTICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	HERBICIDE
ALMOND	2/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	51	LBS	34	6S11E14	FUNGICIDE
ALMOND	2/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	54	LBS	36	6S11E13	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	HERBICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	HERBICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	HERBICIDE
ALMOND	2/29/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	250	LB	200	4S11E25	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	14	QT	14	3S11E36	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	27	QT	27	3S11E36	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	QT	40	3S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	37.5	LB	25	4S12E5	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	4S12E5	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	A	105	QT	105	4S11E23	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	40	PT	20	4S11E16	FUNGICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	6S11E3	INSECTICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	6S11E3	FUNGICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	6S11E3	HERBICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	15	LBS	3	6S11E11	INSECTICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	15	LBS	3	6S11E11	HERBICIDE
ALMOND	2/29/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	15	LBS	3	6S11E11	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LBS	50	5S11E35	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LBS	40	6S11E2	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	100.5	LBS	67	5S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	49.5	LBS	33	6S11E2	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	37.5	LBS	25	6S11E11	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	105	LBS	70	6S11E1	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LBS	16	6S11E11	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	36	LBS	24	5S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E28	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LBS	20	6S11E3	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	48	LBS	32	5S11E36	FUNGICIDE
PEACH	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LBS	6	5S11E35	FUNGICIDE
ALMOND	2/29/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	60	LBS	30	6S11E3	FUNGICIDE
ALMOND	2/29/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	50	LBS	25	6S11E3	FUNGICIDE
ALMOND	3/1/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	100	LB	160	4S12E27	FUNGICIDE
ALMOND	3/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	105	LB	140	4S11E14	FUNGICIDE
ALMOND	3/3/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	HERBICIDE
ALMOND	3/3/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	INSECTICIDE
ALMOND	3/3/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	84	LBS	56	5S11E25	FUNGICIDE
ALMOND	3/4/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	23	LBS	23	6S11E13	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	235	LBS	47	6S11E11	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	235	LBS	47	6S11E11	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	235	LBS	47	6S11E11	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LBS	20	5S11E26	FUNGICIDE
ALMOND	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	103.5	LBS	69	5S11E28	FUNGICIDE
PEACH	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	HERBICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	5S11E10	FUNGICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	163.5	LBS	109	5S12E30	FUNGICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	103.5	LBS	69	5S11E28	FUNGICIDE
ALMOND	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	90	LB	60	4S11E1	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	INSECTICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	143.5	LBS	28.7	6S12E6	HERBICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	INSECTICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	INSECTICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	HERBICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	22.9	LBS	4.57	6S11E1	HERBICIDE
ALMOND	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	84.75	LBS	113	5S11E25	FUNGICIDE
PEACH	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	6S11E14	FUNGICIDE
PEACH	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	39	LBS	26	6S11E13	FUNGICIDE
ALMOND	3/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	20	4S11E1	FUNGICIDE
ALMOND	3/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	99.75	LB	133	4S11E1	FUNGICIDE
ALMOND	3/7/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	80	LBS	40	6S11E1	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	INSECTICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	HERBICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	HERBICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	118.9	LBS	23.78	6S12E7	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	INSECTICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	INSECTICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	HERBICIDE
ALMOND	3/8/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	27.75	LBS	37	5S11E26	FUNGICIDE
PEACH	3/12/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	100	LBS	20	6S11E12	HERBICIDE
PEACH	3/12/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	100	LBS	20	6S11E12	INSECTICIDE
PEACH	3/12/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	100	LBS	20	6S11E12	FUNGICIDE
ALMOND	3/13/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	140	LBS	25	6S11E12	FUNGICIDE
PEACH	3/13/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE
ALMOND	3/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LB	16	5S11E3	FUNGICIDE
PEACH	3/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33	LBS	22	5S11E36	FUNGICIDE
PEACH	3/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	36	LBS	24	6S11E3	FUNGICIDE
PEACH	3/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE
WALNUT	3/15/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	8	5S11E27	FUNGICIDE
PEACH	3/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	22.5	LBS	15	5S11E35	FUNGICIDE
WALNUT	3/17/2008	NU-COP 50DF	COPPER HYDROXIDE	G	180	LB	45	3S11E36	FUNGICIDE
WALNUT	3/17/2008	NU-COP 50DF	COPPER HYDROXIDE	G	72	LB	18	3S11E36	FUNGICIDE
ALMOND	3/20/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	195	LB	260	4S11E25	FUNGICIDE
ALMOND	3/21/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	20	LBS	4	6S11E11	HERBICIDE
ALMOND	3/21/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	20	LBS	4	6S11E11	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/21/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	20	LBS	4	6S11E11	FUNGICIDE
WALNUT	3/22/2008	KOCIDE 101	COPPER HYDROXIDE	G	20	LBS	6	5S11E27	FUNGICIDE
WALNUT	3/28/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	8	5S11E27	FUNGICIDE
WALNUT	3/31/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	5	5S11E27	FUNGICIDE
WALNUT	4/1/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	64	LBS	8	5S11E35	FUNGICIDE
WALNUT	4/2/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	400	LB	80	3S12E31	FUNGICIDE
WALNUT	4/2/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	450	LB	90	3S12E31	FUNGICIDE
WALNUT	4/2/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	120	LB	30	3S11E36	FUNGICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	48	LB	12	3S11E36	FUNGICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	64	LB	16	3S11E36	FUNGICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	80	LB	20	3S11E36	FUNGICIDE
GRAPE, WINE	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	19.03	GA	76.1	4S12E28	FUNGICIDE
GRAPE, WINE	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	37.25	GA	149	4S12E27	FUNGICIDE
GRAPE, WINE	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	45	GA	180	4S12E21	FUNGICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	168	QT	56	3S11E36	FUNGICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75	QT	25	3S11E36	FUNGICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	60	QT	20	3S11E36	FUNGICIDE
GRAPE, WINE	4/14/2008	KENTAN DF	COPPER HYDROXIDE	G	320	LB	160	4S12E27	FUNGICIDE
GRAPE, WINE	4/18/2008	KENTAN DF	COPPER HYDROXIDE	G	790	LB	395	4S12E28	FUNGICIDE
WALNUT	4/21/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	5	5S11E27	FUNGICIDE
ALMOND	4/22/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	7.5	GA	30	4S11E25	HERBICIDE
ALMOND	4/22/2008	ACUMEN HERBICIDE	PENDIMETHALIN	G	32	GA	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	80	PT	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	860	OZ	20	5S12E7	HERBICIDE
ALMOND	4/22/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	80	QT	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	4S11E25	HERBICIDE
ALMOND	4/22/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	7.5	GA	30	4S11E25	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/22/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	QT	35	5S11E26	HERBICIDE
ALMOND	4/22/2008	GOAL 2XL	OXYFLUORFEN	G	224	OZ	35	5S11E26	HERBICIDE
WALNUT	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	120	LB	30	3S11E36	FUNGICIDE
ALMOND	4/23/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	280	QT	140	5S11E23	HERBICIDE
ALMOND	4/23/2008	GOAL 2XL	OXYFLUORFEN	G	896	OZ	140	5S11E23	HERBICIDE
WALNUT	4/23/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1161.31	OZ	49.9	5S12E31	HERBICIDE
ALMOND	4/24/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	1451.82	OZ	265	4S11E1	HERBICIDE
ALMOND	4/24/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	96.36	LB	265	4S11E1	HERBICIDE
ALMOND	4/24/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	3083.64	OZ	265	4S11E1	HERBICIDE
ALMOND	4/24/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	4625.46	OZ	265	4S11E1	HERBICIDE
ALMOND	4/24/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	90	QT	45	5S11E22	HERBICIDE
ALMOND	4/24/2008	GOAL 2XL	OXYFLUORFEN	G	288	OZ	45	5S11E22	HERBICIDE
ALMOND	4/24/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	25	QT	25	6S12E7	HERBICIDE
ALMOND	4/24/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	13	QT	13	6S11E13	HERBICIDE
ALMOND	4/24/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	25	QT	25	6S12E7	HERBICIDE
UNCULTIVATED AG	4/24/2008	TERR-O-GAS 57	METHYL BROMIDE	F1103	2000	LBS	5	6S11E1	HERBICIDE
WALNUT	4/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	128	LB	32	3S11E36	FUNGICIDE
WALNUT	4/24/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	10	QT	2.5	5S11E26	HERBICIDE
WALNUT	4/24/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1908.36	OZ	82	5S12E31	HERBICIDE
ALMOND	4/25/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	416.67	PT	200	4S11E23	HERBICIDE
ALMOND	4/25/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	166.67	PT	200	4S11E23	HERBICIDE
ALMOND	4/25/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	83.33	QT	200	4S11E23	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	96	OZ	36	6S11E11	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	13	QT	13	6S11E13	HERBICIDE
ALMOND	4/25/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	18	GA	36	6S11E11	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	4/25/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	196	OZ	10.5	5S11E3	HERBICIDE
PEACH	4/25/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	40.83	OZ	10.5	5S11E3	HERBICIDE
WALNUT	4/25/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	20	QT	5	5S11E26	HERBICIDE
WALNUT	4/25/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	29.76	QT	31	6S11E3	HERBICIDE
WALNUT	4/25/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	15	PT	5	5S11E26	HERBICIDE
WALNUT	4/25/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	5	OZ	5	5S11E26	HERBICIDE
WALNUT	4/25/2008	SIMAZINE 90DF	SIMAZINE	G	40	OZ	5	5S11E26	HERBICIDE
WALNUT	4/25/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	PT	5	5S11E26	HERBICIDE
ALMOND	4/26/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	180.57	PT	158	4S11E34	HERBICIDE
ALMOND	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	270.86	PT	158	4S11E34	HERBICIDE
ALMOND	4/26/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	25	GA	165	4S12E22	HERBICIDE
ALMOND	4/26/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	270.86	PT	158	4S11E34	HERBICIDE
ALMOND	4/26/2008	IGNITE HERBICIDE	GLUFOSINATE-AMMONIUM	G	25	GA	165	4S12E22	HERBICIDE
ALMOND	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	13	QT	23	5S11E27	HERBICIDE
ALMOND	4/26/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12	GA	23	5S11E27	HERBICIDE
UNCULTIVATED AG	4/26/2008	TERR-O-GAS 57	METHYL BROMIDE	F1103	3000	LBS	7.5	6S11E1	HERBICIDE
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	5	QT	10	5S11E27	HERBICIDE
ALMOND	4/27/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	10	5S11E27	HERBICIDE
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	40	PT	20	5S11E26	HERBICIDE
ALMOND	4/27/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	349.09	OZ	60	4S11E1	HERBICIDE
ALMOND	4/28/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	30	PT	10	5S12E5	HERBICIDE
ALMOND	4/28/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	21.82	LB	60	4S11E1	HERBICIDE
ALMOND	4/28/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1047.27	OZ	60	4S11E1	HERBICIDE
ALMOND	4/28/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	1047.27	OZ	60	4S11E1	HERBICIDE
ALMOND	4/28/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	80	QT	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	GOAL 2XL	OXYFLUORFEN	G	96	OZ	8	6S12E6	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/28/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	190	OZ	15	6S12E6	HERBICIDE
ALMOND	4/28/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4	GA	8	6S12E6	HERBICIDE
ALMOND	4/28/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	60	PT	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	20	OZ	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	180	OZ	15	6S12E6	HERBICIDE
ALMOND	4/28/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	180	OZ	15	6S12E6	HERBICIDE
ALMOND	4/28/2008	SIMAZINE 90DF	SIMAZINE	G	160	OZ	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	60	PT	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7	GA	17	5S11E34	HERBICIDE
WALNUT	4/28/2008	PENDIMAX 3.3	PENDIMETHALIN	G	8	QT	2	5S11E26	HERBICIDE
WALNUT	4/28/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	4	PT	2	5S11E26	HERBICIDE
ALMOND	4/28/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.05	GA	8.18	6S11E1	HERBICIDE
ALMOND	4/28/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	5	GA	8.18	6S11E1	HERBICIDE
ALMOND	4/29/2008	GOAL 2XL	OXYFLUORFEN	G	57.9	PT	38	5S11E3	HERBICIDE
ALMOND	4/29/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	43.43	PT	38	5S11E3	HERBICIDE
ALMOND	4/29/2008	ALECTO 41S	glyphosate	G	50	GA	200	4S11E14	HERBICIDE
ALMOND	4/29/2008	GORDON'S ORCHARD MASTER BROADLEAF HERBIC	2,4-D, DIMETHYLAMINE SALT	G	28.95	PT	38	5S11E3	HERBICIDE
ALMOND	4/29/2008	GORDON'S ORCHARD MASTER BROADLEAF HERBIC	2,4-D, DIETHANOLAMINE SALT	G	28.95	PT	38	5S11E3	HERBICIDE
ALMOND	4/30/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	60	PT	60	5S11E1	HERBICIDE
ALMOND	4/30/2008	GOAL 2XL	OXYFLUORFEN	G	29	OZ	14.5	6S12E6	HERBICIDE
ALMOND	4/30/2008	GOAL 2XL	OXYFLUORFEN	G	48	OZ	24	6S12E6	HERBICIDE
ALMOND	4/30/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	21.75	PT	14.5	6S12E6	HERBICIDE
ALMOND	4/30/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	36	PT	24	6S12E6	HERBICIDE
ALMOND	4/30/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	12	QT	24	6S12E6	HERBICIDE
ALMOND	4/30/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	7.25	QT	14.5	6S12E6	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	4/30/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	90	PT	30	3S11E36	HERBICIDE
WALNUT	4/30/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	60	OZ	30	3S11E36	HERBICIDE
ALMOND	5/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	5S11E1	HERBICIDE
CORN FOR/FOD	5/2/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	39.9	PT	30	5S11E23	HERBICIDE
CORN FOR/FOD	5/2/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	122.36	PT	92	5S11E23	HERBICIDE
N-OUTDR PLANTS	5/2/2008	PROKOZ ZENITH 75 WSP INSECTICIDE	IMIDACLOPRID	G	48	OZ	90	4S11E33	HERBICIDE
WALNUT	5/2/2008	GOAL 2XL	OXYFLUORFEN	G	0.84	GA	18	3S11E36	HERBICIDE
WALNUT	5/2/2008	GOAL 2XL	OXYFLUORFEN	G	0.34	GA	7.2	3S11E36	HERBICIDE
WALNUT	5/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.7	GA	7.2	3S11E36	HERBICIDE
WALNUT	5/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.75	GA	18	3S11E36	HERBICIDE
WALNUT	5/2/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	1.35	GA	7.2	3S11E36	HERBICIDE
WALNUT	5/2/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	3.38	GA	18	3S11E36	HERBICIDE
WALNUT	5/2/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	3.38	GA	18	3S11E36	HERBICIDE
WALNUT	5/2/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	1.35	GA	7.2	3S11E36	HERBICIDE
ALMOND	5/3/2008	PRINCEP 4L	SIMAZINE	G	1020	OZ	170	4S11E23	HERBICIDE
ALMOND	5/3/2008	PRINCEP 4L	SIMAZINE	G	1020	OZ	170	4S11E24	HERBICIDE
ALMOND	5/3/2008	GOAL 2XL	OXYFLUORFEN	G	6.67	PT	20	5S11E36	HERBICIDE
ALMOND	5/3/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	5S11E36	HERBICIDE
CORN FOR/FOD	5/3/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	74.48	PT	56	5S11E23	HERBICIDE
CORN FOR/FOD	5/3/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	22.61	PT	17	5S11E23	HERBICIDE
ALMOND	5/4/2008	ROUNDUP CUSTOM HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	23	5S11E34	HERBICIDE
ALMOND	5/5/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	117.47	PT	116.25	4S11E26	HERBICIDE
ALMOND	5/5/2008	GOAL 2XL	OXYFLUORFEN	G	375.92	OZ	116.25	4S11E26	HERBICIDE
ALMOND	5/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	176.21	PT	116.25	4S11E26	HERBICIDE
ALMOND	5/5/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	117.47	OZ	116.25	4S11E26	HERBICIDE

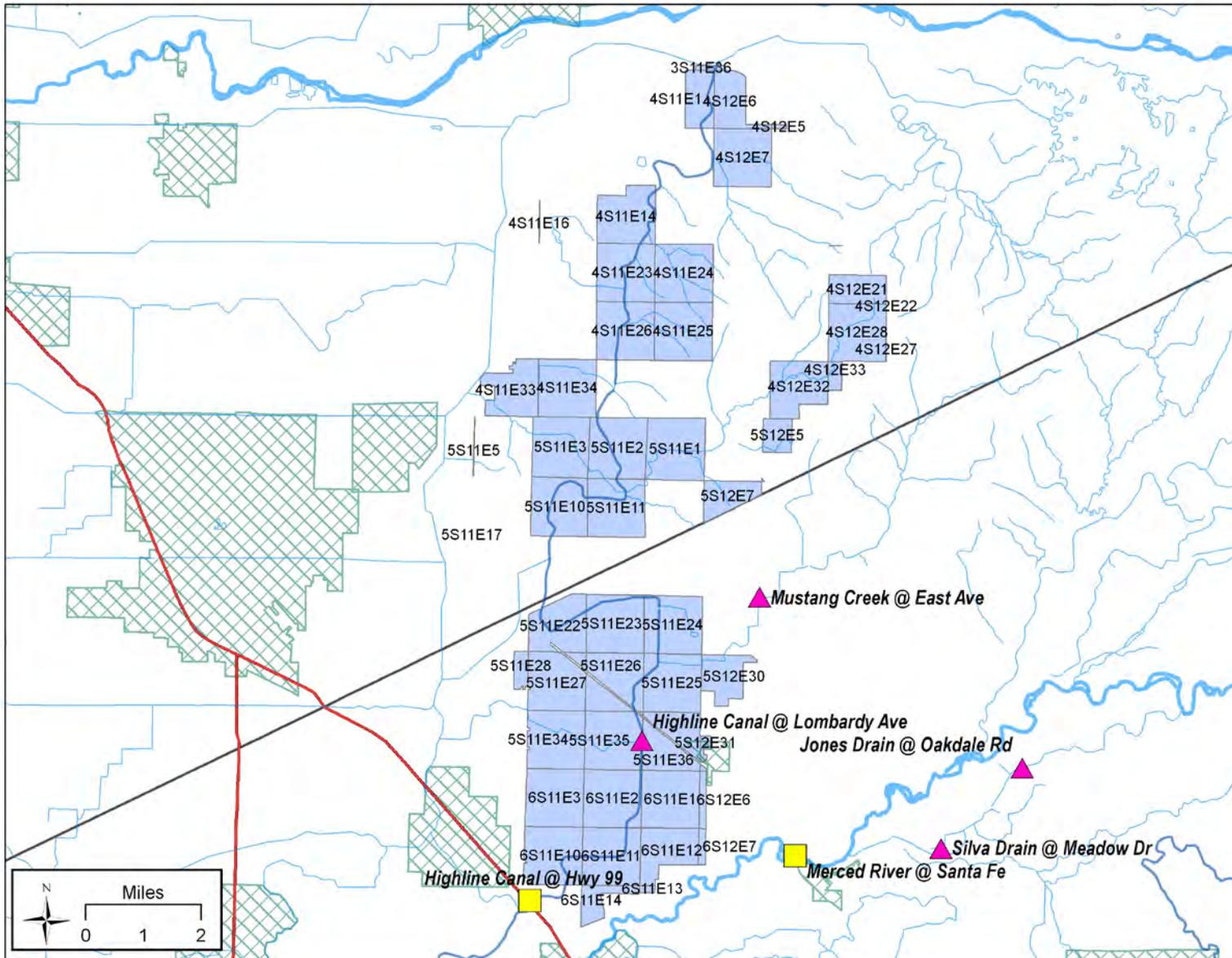
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE	5/5/2008	ALECTO 41S	glyphosate	G	10.68	PT	6	5S11E5	HERBICIDE
GRAPE	5/5/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	8	QT	6	5S11E5	HERBICIDE
PEACH	5/5/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	3	QT	3	6S11E3	HERBICIDE
PEACH	5/5/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	20	QT	20	6S11E3	HERBICIDE
PEACH	5/5/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	24	QT	24	6S11E3	HERBICIDE
ALMOND	5/7/2008	GOAL 2XL	OXYFLUORFEN	G	0.5	GA	32	6S11E11	HERBICIDE
ALMOND	5/7/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16	GA	32	6S11E11	HERBICIDE
ALMOND	5/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20.45	PT	25	6S11E11	HERBICIDE
ALMOND	5/8/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	20.45	QT	25	6S11E11	HERBICIDE
ALMOND	5/10/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	103.91	PT	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	337.97	PT	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	20	GA	80	4S12E32	HERBICIDE
ALMOND	5/10/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	1	GA	16	5S11E3	HERBICIDE
ALMOND	5/10/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	9	PT	20	5S11E3	HERBICIDE
ALMOND	5/10/2008	GOAL 2XL	OXYFLUORFEN	G	665	OZ	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	GOAL 2XL	OXYFLUORFEN	G	2163	OZ	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	540.75	QT	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	166.25	QT	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	249.38	PT	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	811.13	PT	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	ALECTO 41S	glyphosate	G	8	GA	16	5S11E3	HERBICIDE
ALMOND	5/10/2008	ALECTO 41S	glyphosate	G	10	GA	20	5S11E3	HERBICIDE
ALMOND	5/10/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	7.5	GA	20	5S11E3	HERBICIDE
ALMOND	5/10/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	540.75	PT	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	6	GA	16	5S11E3	HERBICIDE
ALMOND	5/10/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	166.25	PT	190	5S11E2	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/10/2008	ROUNDUP CUSTOM HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	22	5S11E35	HERBICIDE
ALMOND	5/10/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	20	QT	22	5S11E35	HERBICIDE
ALMOND	5/12/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	106.8	GA	320	4S12E7	HERBICIDE
ALMOND	5/12/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	106.8	GA	320	4S12E6	HERBICIDE
ALMOND	5/12/2008	GOAL 2XL	OXYFLUORFEN	G	72	OZ	6	6S12E6	HERBICIDE
ALMOND	5/12/2008	GLY STAR PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12	QT	6	6S12E6	HERBICIDE
N-OUTDR PLANTS	5/12/2008	PROKOZ ZENITH 75 WSP INSECTICIDE	IMIDACLOPRID	G	4	OZ	7	4S11E33	HERBICIDE
ALMOND	5/13/2008	GOAL 2XL	OXYFLUORFEN	G	24	OZ	11	6S11E12	HERBICIDE
ALMOND	5/13/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	11	6S11E12	HERBICIDE
ALMOND	5/14/2008	POAST	SETHOXYDIM	G	88	PT	80	5S11E1	HERBICIDE
ALMOND	5/14/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	PT	80	5S11E1	HERBICIDE
ALMOND	5/14/2008	RELY 200 HERBICIDE	GLUFOSINATE-AMMONIUM	G	12320	OZ	160	5S12E7	HERBICIDE
ALMOND	5/14/2008	GOAL 2XL	OXYFLUORFEN	G	1.9	QT	14.97	5S11E35	HERBICIDE
ALMOND	5/14/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.7	GA	14.97	5S11E35	HERBICIDE
ALMOND	5/14/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	16.8	LBS	14.97	5S11E35	HERBICIDE
WALNUT	5/14/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	7.2	QT	15	6S11E3	HERBICIDE
WALNUT	5/14/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.2	QT	15	6S11E3	HERBICIDE
WALNUT	5/14/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	21.6	QT	15	6S11E3	HERBICIDE
ALMOND	5/15/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	125	PT	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	145	PT	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	GOAL 2XL	OXYFLUORFEN	G	464	OZ	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	GOAL 2XL	OXYFLUORFEN	G	400	OZ	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	72.5	LB	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	62.5	LB	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	60	PT	60	5S11E1	HERBICIDE
ALMOND	5/15/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	187.5	PT	125	4S11E26	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/15/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	217.5	PT	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	145	OZ	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	125	OZ	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.7	GA	6.96	5S11E36	HERBICIDE
ALMOND	5/15/2008	GOAL 2XL	OXYFLUORFEN	G	1024	OZ	32	6S12E7	HERBICIDE
ALMOND	5/15/2008	GOAL 2XL	OXYFLUORFEN	G	7	FLOZ	6.96	5S11E36	HERBICIDE
ALMOND	5/15/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	96	PT	32	6S12E7	HERBICIDE
ALMOND	5/15/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	7.8	LBS	6.96	5S11E36	HERBICIDE
ALMOND	5/16/2008	GOAL 2XL	OXYFLUORFEN	G	5	GA	135	5S11E3	HERBICIDE
ALMOND	5/16/2008	GOAL 2XL	OXYFLUORFEN	G	105	PT	120	5S11E1	HERBICIDE
ALMOND	5/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	105	PT	120	5S11E1	HERBICIDE
ALMOND	5/16/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	25	GA	135	5S11E3	HERBICIDE
ALMOND	5/16/2008	GOAL 2XL	OXYFLUORFEN	G	60	OZ	15	5S11E25	HERBICIDE
ALMOND	5/16/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	5.625	GA	15	5S11E25	HERBICIDE
ALMOND	5/16/2008	PRINCEP 4L	SIMAZINE	G	150	OZ	15	5S11E25	HERBICIDE
ALMOND	5/17/2008	ACUMEN HERBICIDE	PENDIMETHALIN	G	4	PT	16	4S11E16	HERBICIDE
ALMOND	5/17/2008	GOAL 2XL	OXYFLUORFEN	G	4	PT	16	4S11E16	HERBICIDE
ALMOND	5/17/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6	QT	16	4S11E16	HERBICIDE
ALMOND	5/18/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	80	QT	30	6S11E10	HERBICIDE
ALMOND	5/18/2008	GOAL 2XL	OXYFLUORFEN	G	90	QT	30	6S11E10	HERBICIDE
ALMOND	5/18/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	60	QT	30	6S11E10	HERBICIDE
ALMOND	5/19/2008	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	GA	540	4S12E22	HERBICIDE
N-OUTDOOR TRANSPL	5/19/2008	TERR-O-GAS 67	METHYL BROMIDE	G	1715	LBS	4.9	6S12E6	HERBICIDE
ALMOND	5/20/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	150	PT	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	15	GA	15	5S12E5	HERBICIDE
ALMOND	5/20/2008	GOAL 2XL	OXYFLUORFEN	G	480	OZ	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	75	LB	150	4S12E33	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/20/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	225	PT	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	150	OZ	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	GOALTENDER	OXYFLUORFEN	G	54	OZ	18	5S11E24	HERBICIDE
ALMOND	5/20/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	54	PT	18	5S11E24	HERBICIDE
ALMOND	5/20/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	54	PT	18	5S11E24	HERBICIDE
CORN FOR/FOD	5/20/2008	ALECTO 41S	glyphosate	G	40	QT	40	5S11E17	HERBICIDE
WALNUT	5/20/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	240	OZ	30	3S11E36	HERBICIDE
WALNUT	5/20/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	8	QT	4	5S11E27	HERBICIDE
WALNUT	5/20/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	QT	4	5S11E27	HERBICIDE

Figure 54. Location of pesticide use for Highline Canal @ Hwy 99 – Irrigation 2



## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/17/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	A	1.65	GA	55	5S11E21	INSECTICIDE
ALFALFA	3/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	102.6	OZ	27	5S11E3	INSECTICIDE
ALMOND	4/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	350	OZ	35	5S11E26	INSECTICIDE
ALMOND	4/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1400	OZ	140	5S11E23	INSECTICIDE
ALMOND	4/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	450	OZ	45	5S11E22	INSECTICIDE
CORN FOR/FOD	5/2/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	349.6	OZ	92	5S11E23	INSECTICIDE
CORN FOR/FOD	5/2/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	114	OZ	30	5S11E23	INSECTICIDE
CORN FOR/FOD	5/3/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	212.8	OZ	56	5S11E23	INSECTICIDE
CORN FOR/FOD	5/3/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	64.6	OZ	17	5S11E23	INSECTICIDE
ALMOND	5/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.9	GA	156	5S11E14	INSECTICIDE
ALMOND	5/10/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	5	GA	190	4S11E24	INSECTICIDE
ALMOND	5/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	409.6	OZ	160	4S12E27	INSECTICIDE
APRICOT	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	136	OZ	17	5S11E3	INSECTICIDE
PEACH	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	5	5S11E3	INSECTICIDE
ALMOND	5/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	384	OZ	150	4S12E33	INSECTICIDE
ALMOND	5/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1600	OZ	500	4S12E21	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	520	OZ	65	4S11E23	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	90	OZ	15	4S11E23	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	211.2	OZ	22	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	249.6	OZ	26	6S11E13	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	67.2	OZ	7	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.6	GA	52	6S11E12	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.85	GA	17	6S11E10	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	86.4	OZ	9	6S11E3	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	230.4	OZ	24	6S11E3	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	144	OZ	15	5S11E28	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	30	5S11E34	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.5	GA	10	5S11E34	INSECTICIDE
ALMOND	5/20/2008	LAMBDA T	LAMBDA-CYHALOTHRIN	G	64	OZ	20	3S11E36	INSECTICIDE
ALMOND	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7910.4	OZ	618	5S11E2	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	20	4S11E33	INSECTICIDE
ALMOND	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2432	OZ	190	5S11E2	INSECTICIDE
WALNUT	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	30	3S11E36	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	139	5S12E20	INSECTICIDE
PEACH	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	77	OZ	22	5S11E36	INSECTICIDE
PEACH	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	112	OZ	32	5S11E26	INSECTICIDE
PEACH	5/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	6S11E14	INSECTICIDE
ALMOND	5/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	5S11E36	INSECTICIDE
ALMOND	5/22/2008	ADJOURN INSECTICIDE	ESFENVALERATE	G	400	OZ	40	4S11E23	INSECTICIDE
ALMOND	5/22/2008	ADJOURN INSECTICIDE	ESFENVALERATE	G	400	OZ	40	4S11E23	INSECTICIDE
PEACH	5/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	20.48	OZ	6.4	5S12E31	INSECTICIDE
WALNUT	5/24/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	41.25	LB	55	4S11E25	INSECTICIDE
ALMOND	5/24/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1536	OZ	240	4S11E24	INSECTICIDE
ALMOND	5/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54.4	OZ	17	4S11E16	INSECTICIDE
OP-DEC. TREE	5/26/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
ALMOND	5/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E8	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2340	OZ	390	4S11E24	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2220	OZ	370	4S11E24	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2400	OZ	400	4S11E23	INSECTICIDE
ALMOND	5/27/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8.5	GA	135	5S11E3	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.56	GA	20	6S11E12	INSECTICIDE
PEACH	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.97	GA	38	5S11E25	INSECTICIDE
ALMOND	5/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	87.5	OZ	25	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	43.1	OZ	4.31	6S11E3	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	153.6	OZ	16	6S11E11	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	240	OZ	25	6S11E11	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	230.4	OZ	24	5S11E36	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	6S11E3	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	643.2	OZ	67	5S11E36	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	1.06	GA	18	6S11E14	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	1.06	GA	18	6S11E14	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	1.75	GA	28	6S11E14	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	1.75	GA	28	6S11E14	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	4.69	GA	74	6S11E13	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	4.69	GA	74	6S11E13	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	480	OZ	50	5S11E35	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E28	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	152.5	OZ	15.25	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	102.5	OZ	10.25	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	10.5	5S11E25	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	316.8	OZ	33	6S11E2	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	35.7	OZ	3.57	6S11E3	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	307.2	OZ	32	5S11E36	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56	OZ	5.6	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56.6	OZ	5.66	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	23.2	OZ	2.32	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	180	OZ	18	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	25.6	OZ	2.56	5S11E34	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36	OZ	3.6	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36.9	OZ	3.69	6S11E2	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	6S11E2	INSECTICIDE
ALMOND	5/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	816	OZ	255	4S12E16	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	132.4	OZ	13.24	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	28.4	OZ	2.84	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	139	OZ	13.9	5S11E36	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5	PT	12	6S11E14	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5	PT	12	6S11E14	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	16	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	121.9	OZ	12.19	6S11E2	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	66.2	OZ	6.62	6S11E2	INSECTICIDE
ALMOND	5/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	960	OZ	300	4S12E20	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	40	3S11E36	INSECTICIDE
ALMOND	5/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5.5	PT	11	6S11E14	INSECTICIDE
ALMOND	5/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	464	OZ	145	4S12E27	INSECTICIDE
ALMOND	5/31/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	640	OZ	200	4S12E30	INSECTICIDE
PEACH	6/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	6S11E12	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.5	GA	62.5	4S11E28	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5	GA	202	4S11E16	INSECTICIDE
WALNUT	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	159.68	OZ	49.9	5S12E31	INSECTICIDE
ALMOND	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5.5	GA	235.5	4S11E21	INSECTICIDE
WALNUT	6/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	50	5S12E31	INSECTICIDE
PEACH	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	QT	20	5S11E26	INSECTICIDE
PEACH	6/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	16	OZ	5	6S12E6	INSECTICIDE
ALMOND	6/6/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	70	OZ	20	5S11E3	INSECTICIDE
ALMOND	6/6/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	56	OZ	16	5S11E3	INSECTICIDE
ALMOND	6/7/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	832	OZ	260	4S11E25	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	6/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	380	OZ	38	5S11E35	INSECTICIDE
PEACH	6/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	360	OZ	45	6S11E13	INSECTICIDE
ALMOND	6/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	217.6	OZ	34	4S11E16	INSECTICIDE
CORN FOR/FOD	6/9/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	3.03	GA	102	5S11E22	INSECTICIDE
CORN FOR/FOD	6/9/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.72	GA	58	5S11E22	INSECTICIDE
CORN FOR/FOD	6/13/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	2.52	GA	85	5S11E22	INSECTICIDE
ALMOND	6/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1125	OZ	375	4S12E30	INSECTICIDE
ALMOND	6/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	20	4S11E16	INSECTICIDE
PEACH PROCESSNG	6/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	192	OZ	80	4S11E23	INSECTICIDE
ALMOND	6/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	315	OZ	105	4S12E29	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E8	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E7	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E6	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	10	GA	400	4S12E18	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	12.5	GA	500	4S12E17	INSECTICIDE
ALMOND	6/19/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	10	GA	400	4S11E14	INSECTICIDE
WALNUT	6/21/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	41.25	LB	55	4S11E25	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	520	OZ	65	5S12E30	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	32	5S11E26	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	176	OZ	22	5S11E36	INSECTICIDE
ALMOND	6/25/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	2000	OZ	200	4S11E13	INSECTICIDE
WALNUT	6/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	8	5S11E27	INSECTICIDE
CORN FOR/FOD	6/26/2008	BIFENTURE	BIFENTHRIN	A	1404	OZ	225	5S12E18	INSECTICIDE
WALNUT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	8	5S11E27	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	192	OZ	30	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	358.4	OZ	56	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	588.8	OZ	92	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	108.8	OZ	17	5S11E23	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	6/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	20	OZ	5	6S12E6	INSECTICIDE
WALNUT	6/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	48	OZ	6	5S11E27	INSECTICIDE
PEACH	6/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	25.6	OZ	6.4	5S12E31	INSECTICIDE
ALMOND	6/30/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	960	OZ	120	5S11E1	INSECTICIDE
PEACH	7/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	22	6S11E3	INSECTICIDE
CORN FOR/FOD	7/1/2008	FANFARE	BIFENTHRIN	G	4.2	GA	89	5S11E22	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	180	OZ	18	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	102.5	OZ	10.25	5S11E25	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	10.5	5S11E25	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	25.6	OZ	2.56	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	23.2	OZ	2.32	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	152.5	OZ	15.25	5S11E25	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	307.2	OZ	24	6S11E3	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	5S11E35	INSECTICIDE
ALMOND	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.35	GA	20	6S11E1	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	10	5S11E36	INSECTICIDE
ALMOND	7/3/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	72	OZ	9	5S12E6	INSECTICIDE
PEACH	7/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	5	5S11E36	INSECTICIDE
PEACH	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	115	OZ	46	5S12E31	INSECTICIDE
ALMOND	7/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	40	LB	80	4S12E27	INSECTICIDE
ALMOND	7/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3700	OZ	370	4S11E24	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	358.4	OZ	56	3S11E36	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	25	3S11E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	20	3S11E36	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	10	5S11E36	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	5S11E35	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	204.8	OZ	16	5S11E35	INSECTICIDE
ALMOND	7/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5	QT	50	4S11E25	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	132.4	OZ	13.24	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	150	OZ	15	6S11E12	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	139	OZ	13.9	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	16	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56.6	OZ	5.66	5S11E34	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	121.9	OZ	12.19	6S11E2	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	28.4	OZ	2.84	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56	OZ	5.6	5S11E34	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	43.1	OZ	4.31	6S11E3	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	35.7	OZ	3.57	6S11E3	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36	OZ	3.6	5S11E34	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	15	5S11E25	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	66.2	OZ	6.62	6S11E2	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36.9	OZ	3.69	6S11E2	INSECTICIDE
ALMOND	7/9/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	37.5	LB	75	4S12E33	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.27	GA	25	6S11E12	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.03	GA	60	6S11E1	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	603.97	OZ	94.37	5S12E18	INSECTICIDE
ALMOND	7/10/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3840	OZ	480	5S11E1	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1520	OZ	190	5S11E2	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4944	OZ	618	5S11E2	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.7	GA	55	6S12E6	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	32	6S11E11	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.49	GA	97	5S11E23	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	4000	OZ	400	4S11E23	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3900	OZ	390	4S11E24	INSECTICIDE
ALMOND	7/11/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	720	OZ	90	5S12E5	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	35	LBS	35	6S11E2	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	6S11E2	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	100	LBS	100	5S11E26	INSECTICIDE
ALMOND	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	75	6S11E13	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	0.7	GA	18	6S11E14	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	1.02	GA	26	6S11E14	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	1.52	GA	39	6S11E14	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	1.48	GA	38	6S11E14	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	2.62	GA	67	6S11E13	INSECTICIDE
PEACH PROCESSNG	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	99.2	OZ	31	4S11E23	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	100	LB	200	5S11E11	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	5S11E25	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E28	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E28	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	13	LBS	13	5S11E25	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	5S11E27	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E27	INSECTICIDE
ALMOND	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	125.44	OZ	19.6	6S11E15	INSECTICIDE
ALMOND	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6.4	OZ	14.8	6S11E15	INSECTICIDE
ALMOND	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	11	3S11E36	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	7/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	65	LB	130	4S12E32	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/15/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	2.5	GA	100	4S11E12	INSECTICIDE
ALMOND	7/15/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1536	OZ	120	4S11E24	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	24	5S11E35	INSECTICIDE
ALMOND	7/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	19	LBS	19	6S11E1	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	5S11E25	INSECTICIDE
ALMOND	7/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	192	OZ	60	5S11E26	INSECTICIDE
ALMOND	7/16/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	361.6	OZ	113	5S11E25	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	200	LB	200	4S12E30	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	640	LB	640	4S12E8	INSECTICIDE
ALMOND	7/17/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	118.4	OZ	37	5S11E26	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	250	LB	250	4S12E16	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S11E1	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	960	OZ	100	4S11E14	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	18	GA	200	4S11E13	INSECTICIDE
ALMOND	7/17/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	180	OZ	56	4S11E25	INSECTICIDE
CORN FOR/FOD	7/18/2008	BIFENTURE	BIFENTHRIN	G	1.9	GA	40	5S11E22	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	8.5	LB	17	5S11E17	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	300	LB	300	4S12E20	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	500	LB	500	4S12E21	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	102.5	LB	205	4S11E25	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	145	LB	145	4S12E27	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13	GA	130	4S11E14	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4	GA	40	4S11E14	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	38	GA	540	4S12E22	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	4S11E16	INSECTICIDE
ALMOND	7/18/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	180	OZ	56	4S12E33	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E8	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E7	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E6	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1280	OZ	400	4S12E18	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1600	OZ	500	4S12E17	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5	GA	100	5S11E10	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.5	GA	70	5S11E15	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.25	GA	85	5S11E15	INSECTICIDE
ALMOND	7/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	134	OZ	14	3S11E36	INSECTICIDE
ALMOND	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	72	OZ	9	5S12E6	INSECTICIDE
ALMOND	7/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	112.32	OZ	35.1	6S12E6	INSECTICIDE
ALMOND	7/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	101.76	OZ	31.8	5S12E31	INSECTICIDE
ALMOND	7/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	645	OZ	215	4S12E29	INSECTICIDE
ALMOND	7/22/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	320	OZ	100	4S11E14	INSECTICIDE
CORN FOR/FOD	7/23/2008	BIFENTURE	BIFENTHRIN	A	2.1	GA	42	5S11E17	INSECTICIDE
ALMOND	7/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	101.12	OZ	31.6	5S12E31	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	259.2	OZ	27	3S11E36	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	4S12E5	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1920	OZ	200	4S11E23	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	4S12E5	INSECTICIDE
CORN FOR/FOD	7/25/2008	SILENCER	LAMBDA-CYHALOTHRIN	A	176	OZ	55	3S11E36	INSECTICIDE
CORN FOR/FOD	7/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	115.2	OZ	12	4S11E34	INSECTICIDE
CORN FOR/FOD	7/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	652.8	OZ	68	4S11E34	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	832	OZ	130	4S11E33	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	4S11E33	INSECTICIDE
ALMOND	7/28/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	8	GA	346	4S11E16	INSECTICIDE
CORN FOR/FOD	7/28/2008	BIFENTURE	BIFENTHRIN	G	1016.8	OZ	164	5S12E5	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
ALMOND	7/29/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	8.5	GA	351	4S11E21	INSECTICIDE
WALNUT	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	30	3S11E36	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	3S11E36	INSECTICIDE
ALMOND	7/30/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	3	GA	125	4S11E28	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	40.8	OZ	8.5	5S11E27	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	48	OZ	10	5S11E27	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	48	OZ	10	5S11E27	INSECTICIDE
ALMOND	7/31/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	1.1	QT	9.13	6S11E1	INSECTICIDE
ALMOND	7/31/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	440	PT	220	4S11E26	HERBICIDE
ALMOND	7/31/2008	CLINCH ANT BAIT	ABAMECTIN	G	480	LB	480	5S11E1	INSECTICIDE
ALMOND	7/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	300	PT	200	4S11E13	FUNGICIDE
ALMOND	7/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	300	PT	200	4S11E13	HERBICIDE
ALMOND	7/31/2008	LORSBAN-4E	CHLORPYRIFOS	G	200	PT	200	4S11E13	INSECTICIDE
ALMOND	7/31/2008	GOAL 2XL	OXYFLUORFEN	G	1408	OZ	220	4S11E26	HERBICIDE
ALMOND	7/31/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	800	OZ	200	4S11E13	HERBICIDE
CORN FOR/FOD	7/31/2008	BIFENTURE	BIFENTHRIN	G	5.1	GA	102	5S11E22	INSECTICIDE
CORN FOR/FOD	8/1/2008	CHLORPYRIFOS 4E AG	CHLORPYRIFOS	A	1.88	GA	10	5S11E22	INSECTICIDE
CORN FOR/FOD	8/1/2008	CHLORPYRIFOS 4E AG	CHLORPYRIFOS	A	11.25	GA	60	5S11E22	INSECTICIDE
ALMOND	8/1/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	296.73	OZ	17	6S12E6	HERBICIDE
CORN FOR/FOD	8/1/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	0.78	GA	10	5S11E22	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LBS	24.96	5S11E35	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	23.8	LBS	23.78	6S12E7	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	17.5	LBS	17.52	5S11E36	INSECTICIDE
ALMOND	8/1/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	3.1	QT	24.96	5S11E35	INSECTICIDE
ALMOND	8/1/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	2.2	QT	17.52	5S11E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/1/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	3	QT	23.78	6S12E7	INSECTICIDE
CORN FOR/FOD	8/1/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	262.8	OZ	36	5S11E10	INSECTICIDE
CORN FOR/FOD	8/1/2008	COMITE	PROPARGITE	A	0.18	GA	10	5S11E17	INSECTICIDE
CORN FOR/FOD	8/1/2008	COMITE	PROPARGITE	A	0.18	GA	10	5S11E17	INSECTICIDE
CORN FOR/FOD	8/1/2008	COMITE	PROPARGITE	A	0.18	GA	10	5S11E17	INSECTICIDE
ALMOND	8/1/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	PT	10	4S11E16	INSECTICIDE
ALMOND	8/1/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	0.64	GA	51.27	6S12E7	INSECTICIDE
ALMOND	8/2/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	1	QT	1	6S11E11	HERBICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	120	PT	60	4S12E32	HERBICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	220	PT	110	4S11E11	HERBICIDE
ALMOND	8/2/2008	GOAL 2XL	OXYFLUORFEN	G	528	OZ	110	4S11E11	HERBICIDE
ALMOND	8/2/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	10	PT	4	5S12E5	HERBICIDE
CORN FOR/FOD	8/2/2008	BIFENTURE	BIFENTHRIN	G	2.9	GA	58	5S11E22	INSECTICIDE
ALMOND	8/3/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	349.09	OZ	20	5S12E31	HERBICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	16	OZ	5	5S11E26	INSECTICIDE
ALMOND	8/4/2008	CLINCH ANT BAIT	ABAMECTIN	G	109	LBS	109	5S12E30	INSECTICIDE
ALMOND	8/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	54.5	LBS	109	5S12E30	INSECTICIDE
ALMOND	8/4/2008	CLINCH ANT BAIT	ABAMECTIN	G	640	LB	640	4S12E8	INSECTICIDE
ALMOND	8/4/2008	OMITE-6E	PROPARGITE	G	40	PT	10	4S11E21	INSECTICIDE
ALMOND	8/4/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	36	QT	18	5S12E6	FUNGICIDE
ALMOND	8/4/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	36	QT	18	5S12E6	HERBICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	4S11E14	FUNGICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	4S11E14	HERBICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	4S11E14	FUNGICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	4S11E14	HERBICIDE
ALMOND	8/5/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	349.09	OZ	20	5S12E31	HERBICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	17.5	LBS	17.52	5S11E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	23.8	LBS	23.78	6S12E7	INSECTICIDE
ALMOND	8/5/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	2.2	QT	17.52	5S11E36	INSECTICIDE
ALMOND	8/5/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	3	QT	23.78	6S12E7	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	4	GA	80	5S11E24	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	5S11E24	INSECTICIDE
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	640	OZ	40	4S11E1	HERBICIDE
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	4240	OZ	265	4S11E1	HERBICIDE
WALNUT	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	15	LB	15	3S11E36	INSECTICIDE
WALNUT	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LB	45	3S11E36	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
ALMOND	8/5/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	126	PT	90	4S12E29	FUNGICIDE
ALMOND	8/5/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	126	PT	90	4S12E29	HERBICIDE
ALMOND	8/5/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	160	OZ	40	4S11E1	HERBICIDE
ALMOND	8/5/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	1060	OZ	265	4S11E1	HERBICIDE
ALMOND	8/6/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	128	OZ	10	5S12E31	INSECTICIDE
ALMOND	8/6/2008	CLINCH ANT BAIT	ABAMECTIN	G	500	LB	500	4S12E21	INSECTICIDE
ALMOND	8/6/2008	CLINCH ANT BAIT	ABAMECTIN	G	300	LB	300	4S12E20	INSECTICIDE
ALMOND	8/6/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	48	GA	200	4S11E13	HERBICIDE
WALNUT	8/7/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	349.09	OZ	20	5S12E31	HERBICIDE
ALMOND	8/7/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	37.5	LBS	60	6S11E11	FUNGICIDE
ALMOND	8/7/2008	CLINCH ANT BAIT	ABAMECTIN	G	626	LB	626	5S12E7	INSECTICIDE
ALMOND	8/7/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	12.5	PT	5	5S12E5	HERBICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LBS	24.96	5S11E35	INSECTICIDE
WALNUT	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LBS	5	5S11E27	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/8/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	88	OZ	53	5S11E27	FUNGICIDE
ALMOND	8/8/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	3.1	QT	24.96	5S11E35	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LB	25	4S12E5	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	40	LB	40	4S12E5	INSECTICIDE
ALMOND	8/8/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	66	QT	66	4S11E16	HERBICIDE
ALMOND	8/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	PT	120	4S11E24	FUNGICIDE
ALMOND	8/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	PT	120	4S11E24	HERBICIDE
ALMOND	8/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	PT	120	4S11E23	FUNGICIDE
ALMOND	8/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	PT	120	4S11E23	HERBICIDE
ALMOND	8/8/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	PT	80	5S11E1	FUNGICIDE
ALMOND	8/8/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	PT	80	5S11E1	HERBICIDE
ALMOND	8/8/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	120	OZ	120	4S11E23	HERBICIDE
ALMOND	8/8/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	120	OZ	120	4S11E24	HERBICIDE
WALNUT	8/9/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	A	0.94	LBS	10	6S12E7	INSECTICIDE
ALMOND	8/9/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	8	PT	4	6S11E12	HERBICIDE
WALNUT	8/9/2008	NUFOS 4E	CHLORPYRIFOS	G	32	PT	8	5S11E27	INSECTICIDE
ALMOND	8/9/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	5.01	GA	19	6S11E1	HERBICIDE
ALMOND	8/10/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.5	GA	20	5S11E34	HERBICIDE
WALNUT	8/10/2008	NUFOS 4E	CHLORPYRIFOS	G	24	PT	6	5S11E27	INSECTICIDE
WALNUT	8/10/2008	NUFOS 4E	CHLORPYRIFOS	G	10	QT	5	5S11E27	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/10/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	56.25	GA	225	4S12E5	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/10/2008	TRIFLUREX HFP	TRIFLURALIN	G	64	PT	80	5S12E5	INSECTICIDE
ALMOND	8/11/2008	CLINCH ANT BAIT	ABAMECTIN	G	180	LB	180	4S11E26	INSECTICIDE
ALMOND	8/11/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	59	GA	235	4S11E21	HERBICIDE
ALMOND	8/11/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	152	PT	38	5S11E3	FUNGICIDE
ALMOND	8/11/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	152	PT	38	5S11E3	HERBICIDE
CORN FOR/FOD	8/12/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	0.2	GA	67	6S11E13	INSECTICIDE
ALMOND	8/12/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	2.16	GA	6	6S11E14	HERBICIDE
ALMOND	8/12/2008	CLINCH ANT BAIT	ABAMECTIN	G	260	LB	260	4S11E26	INSECTICIDE
ALMOND	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S11E1	INSECTICIDE
ALMOND	8/12/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	345.45	PT	100	5S12E5	HERBICIDE
ALMOND	8/12/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	40064	OZ	626	5S12E7	INSECTICIDE
ALFALFA	8/12/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	2.5	GA	10	5S11E14	INSECTICIDE
CORN FOR/FOD	8/12/2008	BIFENTURE	BIFENTHRIN	A	1209.6	OZ	189	5S11E10	INSECTICIDE
CORN FOR/FOD	8/13/2008	COMITE	PROPARGITE	A	13	GA	40	5S11E21	INSECTICIDE
CORN FOR/FOD	8/13/2008	COMITE	PROPARGITE	A	6.5	GA	20	5S11E21	INSECTICIDE
ALMOND	8/13/2008	GRAMOXONE MAX	PARAQUAT DICHLORIDE	G	15	GA	60	5S11E34	HERBICIDE
ALMOND	8/13/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	296.73	OZ	17	6S12E6	HERBICIDE
ALMOND	8/13/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	340	PT	170	4S11E26	HERBICIDE
ALMOND	8/13/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	166	PT	83	4S11E26	HERBICIDE
CORN FOR/FOD	8/13/2008	COMITE	PROPARGITE	A	22.75	GA	70	5S11E21	INSECTICIDE
CORN FOR/FOD	8/13/2008	COMITE	PROPARGITE	G	120	PT	40	3S11E36	INSECTICIDE
ALMOND	8/13/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	16	GA	62	4S11E28	HERBICIDE
ALFALFA	8/13/2008	MON-35085	GLYPHOSATE, ISOPROPYLAMINE SALT	A	27	QT	27	5S11E3	FUNGICIDE
ALFALFA	8/13/2008	MON-35085	GLYPHOSATE, ISOPROPYLAMINE SALT	A	27	QT	27	5S11E3	HERBICIDE
ALMOND	8/13/2008	ZEAL MITICIDE	ETOXAZOLE	G	210	OZ	70	5S11E14	INSECTICIDE
ALFALFA	8/13/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	50	PT	50	3S11E36	INSECTICIDE
ALMOND	8/13/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	531.2	OZ	83	4S11E26	HERBICIDE

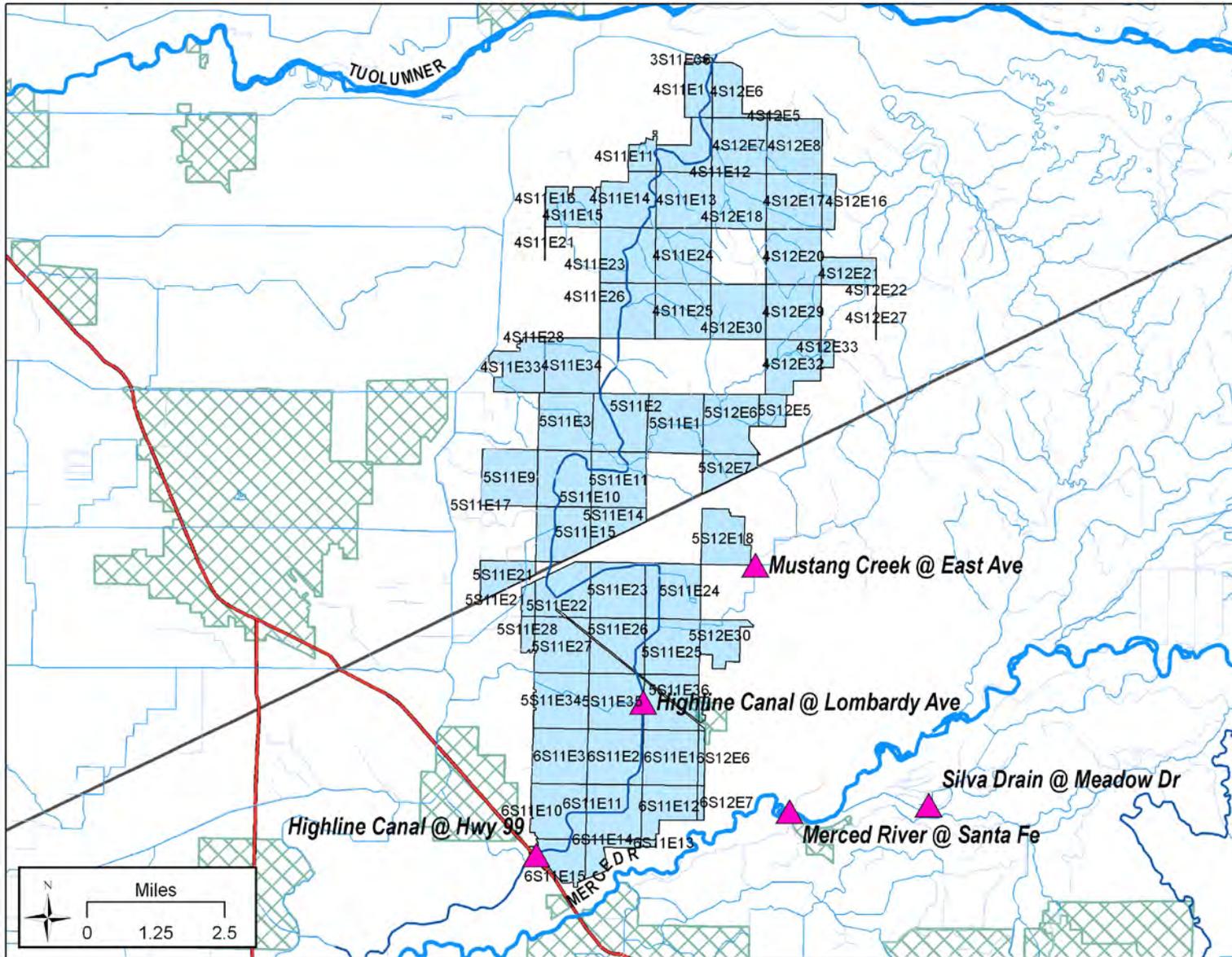
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/13/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	1088	OZ	170	4S11E26	HERBICIDE
ALMOND	8/14/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	314.18	OZ	18	5S12E31	HERBICIDE
ALMOND	8/14/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	95	PT	47.5	4S12E29	HERBICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S12E8	INSECTICIDE
ALMOND	8/14/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	55.16	PT	38	4S11E25	FUNGICIDE
ALMOND	8/14/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	55.16	PT	38	4S11E25	HERBICIDE
WALNUT	8/14/2008	NUFOS 4E	CHLORPYRIFOS	G	60	QT	30	3S11E36	INSECTICIDE
ALMOND	8/15/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	8	GA	18	5S11E34	HERBICIDE
ALMOND	8/15/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	300	PT	150	4S11E34	HERBICIDE
ALMOND	8/15/2008	CLINCH ANT BAIT	ABAMECTIN	G	160	LB	158	4S11E34	INSECTICIDE
ALMOND	8/15/2008	AGRI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	4800	OZ	480	5S11E1	INSECTICIDE
ALMOND	8/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3840	OZ	480	5S11E1	INSECTICIDE
ALMOND	8/15/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	95	GA	190	5S11E14	FUNGICIDE
ALMOND	8/15/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	95	GA	190	5S11E14	HERBICIDE
ALMOND	8/15/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	960	OZ	150	4S11E34	HERBICIDE
ALMOND	8/16/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.75	GA	17	4S11E16	FUNGICIDE
ALMOND	8/16/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.75	GA	17	4S11E16	HERBICIDE
ALMOND	8/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	PT	10	5S11E1	FUNGICIDE
ALMOND	8/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	PT	10	5S11E1	HERBICIDE
ALMOND	8/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	5S11E1	FUNGICIDE
ALMOND	8/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	5S11E1	HERBICIDE
ALMOND	8/16/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	4.5	GA	18	6S11E1	HERBICIDE
ALMOND	8/17/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	6.75	GA	20	5S11E27	HERBICIDE
ALMOND	8/17/2008	CLINCH ANT BAIT	ABAMECTIN	G	225	LB	225	4S12E5	INSECTICIDE
ALMOND	8/17/2008	AGRI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	17.58	GA	225	4S12E5	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/17/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	78	PT	39	4S11E23	HERBICIDE
ALMOND	8/17/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	78	PT	39	4S11E24	HERBICIDE
ALMOND	8/17/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	9	GA	36	5S12E30	HERBICIDE
ALMOND	8/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	61	OZ	16	5S11E3	INSECTICIDE
ALMOND	8/18/2008	CLINCH ANT BAIT	ABAMECTIN	G	150	LB	150	4S12E33	INSECTICIDE
ALMOND	8/18/2008	CLINCH ANT BAIT	ABAMECTIN	G	18	LBS	18	6S11E1	INSECTICIDE
ALMOND	8/19/2008	GRAMOXONE MAX	PARAQUAT DICHLORIDE	G	32	QT	30	6S11E12	HERBICIDE
ALMOND	8/19/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	203.24	PT	101.62	4S12E29	HERBICIDE
ALMOND	8/19/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	2036.24	PT	101.62	4S12E30	HERBICIDE
ALMOND	8/19/2008	CLINCH ANT BAIT	ABAMECTIN	G	112.5	LB	112.5	4S11E11	INSECTICIDE
OP-DEC. TREE	8/19/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/19/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/19/2008	WILCO 'GOPHER GETTER' TYPE 2 BAIT	CHLOROPHACINONE	G	5	LB	100	5S12E5	VERTEBRATE CONTROL
OP-DEC. TREE	8/19/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	27.75	LB	37	4S11E15	FUNGICIDE
OP-DEC. TREE	8/19/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	27.75	LB	37	4S11E15	FUNGICIDE
WALNUT	8/20/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1088.73	OZ	49.9	6S12E6	HERBICIDE
WALNUT	8/20/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	5S12E31	INSECTICIDE
ALMOND	8/20/2008	CLINCH ANT BAIT	ABAMECTIN	G	12.5	LB	12.5	4S11E26	INSECTICIDE
OP-DEC. TREE	8/20/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	8/20/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	27.75	LB	37	4S11E15	FUNGICIDE
OP-DEC. TREE	8/20/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	27.75	LB	37	4S11E15	FUNGICIDE
WALNUT	8/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1789.09	OZ	82	5S12E31	HERBICIDE
WALNUT	8/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	5S12E31	INSECTICIDE
ALMOND	8/21/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	300	PT	150	4S12E33	HERBICIDE
ALMOND	8/21/2008	OMITE 30WS	PROPARGITE	G	464	LB	58	4S12E32	INSECTICIDE
ALMOND	8/21/2008	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	270	GA	540	4S12E22	FUNGICIDE
ALMOND	8/21/2008	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	270	GA	540	4S12E22	HERBICIDE
ALMOND	8/21/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	960	OZ	150	4S12E33	HERBICIDE
WALNUT	8/22/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	5	QT	2.5	5S11E27	INSECTICIDE
ALMOND	8/23/2008	OMITE-6E	PROPARGITE	G	32	PT	10	5S11E9	INSECTICIDE
ALMOND	8/24/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	46	QT	23	5S12E31	HERBICIDE
WALNUT	8/24/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LBS	10	5S11E26	INSECTICIDE
ALMOND	8/25/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	46	QT	23	5S12E31	INSECTICIDE
ALMOND	8/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.73	GA	8	4S11E16	FUNGICIDE
ALMOND	8/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.73	GA	8	4S11E16	HERBICIDE
ALMOND	8/25/2008	GOAL 2XL	OXYFLUORFEN	G	0.23	GA	8	4S11E16	HERBICIDE
ALMOND	8/26/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	80	QT	40	6S11E10	INSECTICIDE
ALMOND	8/26/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	43.2	PT	54	4S12E33	HERBICIDE
OP-DEC. TREE	8/26/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.84	GA	37	4S11E15	INSECTICIDE
PEACH	8/26/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	21	LB	10.5	5S11E3	INSECTICIDE
APRICOT	8/26/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	14	LB	7	5S11E3	INSECTICIDE
ALMOND	8/26/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	200	PT	100	4S11E23	HERBICIDE
CORN FOR/FOD	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	2.5	GA	18	6S11E14	INSECTICIDE
OP-DEC. TREE	8/27/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	8/27/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.84	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/27/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	190	PT	95	4S12E29	FUNGICIDE
ALMOND	8/27/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	190	PT	95	4S12E29	HERBICIDE
WALNUT	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	20	QT	10	5S11E27	INSECTICIDE
WALNUT	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	17	QT	8.5	5S11E27	INSECTICIDE
WALNUT	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	20	QT	10	5S11E27	INSECTICIDE
ALMOND	8/28/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	370	PT	185	4S12E29	FUNGICIDE
ALMOND	8/28/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	370	PT	185	4S12E29	HERBICIDE

Figure 55. Location of pesticide use for Highline Canal @ Hwy 99 – Irrigation 5 SED



**Irrigation 5 RS (10/2/08) – *Hyalella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	350	OZ	35	5S11E26	INSECTICIDE
ALMOND	4/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1400	OZ	140	5S11E23	INSECTICIDE
ALMOND	4/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	450	OZ	45	5S11E22	INSECTICIDE
CORN FOR/FOD	5/2/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	349.6	OZ	92	5S11E23	INSECTICIDE
CORN FOR/FOD	5/2/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	114	OZ	30	5S11E23	INSECTICIDE
CORN FOR/FOD	5/3/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	212.8	OZ	56	5S11E23	INSECTICIDE
CORN FOR/FOD	5/3/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	64.6	OZ	17	5S11E23	INSECTICIDE
ALMOND	5/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.9	GA	156	5S11E14	INSECTICIDE
ALMOND	5/10/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	5	GA	190	4S11E24	INSECTICIDE
ALMOND	5/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	409.6	OZ	160	4S12E27	INSECTICIDE
APRICOT	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	136	OZ	17	5S11E3	INSECTICIDE
PEACH	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	5	5S11E3	INSECTICIDE
ALMOND	5/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	384	OZ	150	4S12E33	INSECTICIDE
ALMOND	5/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1600	OZ	500	4S12E21	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	520	OZ	65	4S11E23	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	90	OZ	15	4S11E23	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	211.2	OZ	22	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	249.6	OZ	26	6S11E13	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	67.2	OZ	7	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.6	GA	52	6S11E12	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.85	GA	17	6S11E10	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	86.4	OZ	9	6S11E3	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	230.4	OZ	24	6S11E3	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	144	OZ	15	5S11E28	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	30	5S11E34	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.5	GA	10	5S11E34	INSECTICIDE
ALMOND	5/20/2008	LAMBDA T	LAMBDA-CYHALOTHRIN	G	64	OZ	20	3S11E36	INSECTICIDE
ALMOND	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7910.4	OZ	618	5S11E2	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	20	4S11E33	INSECTICIDE
ALMOND	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2432	OZ	190	5S11E2	INSECTICIDE
WALNUT	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	30	3S11E36	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	139	5S12E20	INSECTICIDE
PEACH	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	77	OZ	22	5S11E36	INSECTICIDE
PEACH	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	112	OZ	32	5S11E26	INSECTICIDE
PEACH	5/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	6S11E14	INSECTICIDE
ALMOND	5/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	5S11E36	INSECTICIDE
ALMOND	5/22/2008	ADJOURN INSECTICIDE	ESFENVALERATE	G	400	OZ	40	4S11E23	INSECTICIDE
ALMOND	5/22/2008	ADJOURN INSECTICIDE	ESFENVALERATE	G	400	OZ	40	4S11E23	INSECTICIDE
PEACH	5/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	20.48	OZ	6.4	5S12E31	INSECTICIDE
WALNUT	5/24/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	41.25	LB	55	4S11E25	INSECTICIDE
ALMOND	5/24/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1536	OZ	240	4S11E24	INSECTICIDE
ALMOND	5/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54.4	OZ	17	4S11E16	INSECTICIDE
OP-DEC. TREE	5/26/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
ALMOND	5/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E8	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2340	OZ	390	4S11E24	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2220	OZ	370	4S11E24	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2400	OZ	400	4S11E23	INSECTICIDE
ALMOND	5/27/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8.5	GA	135	5S11E3	INSECTICIDE
PEACH	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.56	GA	20	6S11E12	INSECTICIDE
PEACH	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.97	GA	38	5S11E25	INSECTICIDE
ALMOND	5/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	87.5	OZ	25	5S11E34	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	43.1	OZ	4.31	6S11E3	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	153.6	OZ	16	6S11E11	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	240	OZ	25	6S11E11	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	230.4	OZ	24	5S11E36	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	6S11E3	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	643.2	OZ	67	5S11E36	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	1.06	GA	18	6S11E14	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	1.06	GA	18	6S11E14	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	1.75	GA	28	6S11E14	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	1.75	GA	28	6S11E14	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	4.69	GA	74	6S11E13	INSECTICIDE
ALMOND	5/28/2008	ADJOURN	ESFENVALERATE	G	4.69	GA	74	6S11E13	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	480	OZ	50	5S11E35	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E28	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	152.5	OZ	15.25	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	102.5	OZ	10.25	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	10.5	5S11E25	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	316.8	OZ	33	6S11E2	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	35.7	OZ	3.57	6S11E3	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	307.2	OZ	32	5S11E36	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56	OZ	5.6	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56.6	OZ	5.66	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	23.2	OZ	2.32	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	180	OZ	18	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	25.6	OZ	2.56	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36	OZ	3.6	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36.9	OZ	3.69	6S11E2	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	6S11E2	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	816	OZ	255	4S12E16	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	132.4	OZ	13.24	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	28.4	OZ	2.84	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	139	OZ	13.9	5S11E36	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5	PT	12	6S11E14	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5	PT	12	6S11E14	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	16	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	121.9	OZ	12.19	6S11E2	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	66.2	OZ	6.62	6S11E2	INSECTICIDE
ALMOND	5/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	960	OZ	300	4S12E20	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	40	3S11E36	INSECTICIDE
ALMOND	5/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	5.5	PT	11	6S11E14	INSECTICIDE
ALMOND	5/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	464	OZ	145	4S12E27	INSECTICIDE
ALMOND	5/31/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	640	OZ	200	4S12E30	INSECTICIDE
PEACH	6/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	6S11E12	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.5	GA	62.5	4S11E28	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5	GA	202	4S11E16	INSECTICIDE
WALNUT	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	159.68	OZ	49.9	5S12E31	INSECTICIDE
ALMOND	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5.5	GA	235.5	4S11E21	INSECTICIDE
WALNUT	6/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	50	5S12E31	INSECTICIDE
PEACH	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	QT	20	5S11E26	INSECTICIDE
PEACH	6/6/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	16	OZ	5	6S12E6	INSECTICIDE
ALMOND	6/6/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	70	OZ	20	5S11E3	INSECTICIDE
ALMOND	6/6/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	56	OZ	16	5S11E3	INSECTICIDE
ALMOND	6/7/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	832	OZ	260	4S11E25	INSECTICIDE
ALMOND	6/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	380	OZ	38	5S11E35	INSECTICIDE
PEACH	6/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	360	OZ	45	6S11E13	INSECTICIDE
ALMOND	6/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	217.6	OZ	34	4S11E16	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	6/9/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	3.03	GA	102	5S11E22	INSECTICIDE
CORN FOR/FOD	6/9/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.72	GA	58	5S11E22	INSECTICIDE
CORN FOR/FOD	6/13/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	2.52	GA	85	5S11E22	INSECTICIDE
ALMOND	6/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1125	OZ	375	4S12E30	INSECTICIDE
ALMOND	6/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	20	4S11E16	INSECTICIDE
PEACH PROCESSNG	6/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	192	OZ	80	4S11E23	INSECTICIDE
ALMOND	6/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	315	OZ	105	4S12E29	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E8	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E7	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E6	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	10	GA	400	4S12E18	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	12.5	GA	500	4S12E17	INSECTICIDE
ALMOND	6/19/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	10	GA	400	4S11E14	INSECTICIDE
WALNUT	6/21/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	41.25	LB	55	4S11E25	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	520	OZ	65	5S12E30	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	32	5S11E26	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	176	OZ	22	5S11E36	INSECTICIDE
ALMOND	6/25/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	2000	OZ	200	4S11E13	INSECTICIDE
WALNUT	6/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	8	5S11E27	INSECTICIDE
CORN FOR/FOD	6/26/2008	BIFENTURE	BIFENTHRIN	A	1404	OZ	225	5S12E18	INSECTICIDE
WALNUT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	8	5S11E27	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	192	OZ	30	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	358.4	OZ	56	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	588.8	OZ	92	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	108.8	OZ	17	5S11E23	INSECTICIDE
PEACH	6/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	20	OZ	5	6S12E6	INSECTICIDE
WALNUT	6/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	48	OZ	6	5S11E27	INSECTICIDE
PEACH	6/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	25.6	OZ	6.4	5S12E31	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	6/30/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	960	OZ	120	5S11E1	INSECTICIDE
PEACH	7/1/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	22	6S11E3	INSECTICIDE
CORN FOR/FOD	7/1/2008	FANFARE	BIFENTHRIN	G	4.2	GA	89	5S11E22	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	180	OZ	18	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	102.5	OZ	10.25	5S11E25	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	10.5	5S11E25	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	25.6	OZ	2.56	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	23.2	OZ	2.32	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	152.5	OZ	15.25	5S11E25	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	307.2	OZ	24	6S11E3	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	5S11E35	INSECTICIDE
ALMOND	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.35	GA	20	6S11E1	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	10	5S11E36	INSECTICIDE
ALMOND	7/3/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	72	OZ	9	5S12E6	INSECTICIDE
PEACH	7/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	5	5S11E36	INSECTICIDE
PEACH	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	115	OZ	46	5S12E31	INSECTICIDE
ALMOND	7/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	40	LB	80	4S12E27	INSECTICIDE
ALMOND	7/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3700	OZ	370	4S11E24	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	358.4	OZ	56	3S11E36	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	25	3S11E36	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	20	3S11E36	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	10	5S11E36	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	5S11E35	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	204.8	OZ	16	5S11E35	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5	QT	50	4S11E25	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	132.4	OZ	13.24	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	150	OZ	15	6S11E12	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	139	OZ	13.9	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	16	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56.6	OZ	5.66	5S11E34	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	121.9	OZ	12.19	6S11E2	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	28.4	OZ	2.84	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56	OZ	5.6	5S11E34	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	43.1	OZ	4.31	6S11E3	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	35.7	OZ	3.57	6S11E3	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36	OZ	3.6	5S11E34	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	15	5S11E25	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	66.2	OZ	6.62	6S11E2	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36.9	OZ	3.69	6S11E2	INSECTICIDE
ALMOND	7/9/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	37.5	LB	75	4S12E33	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.27	GA	25	6S11E12	INSECTICIDE
ALMOND	7/10/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.03	GA	60	6S11E1	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	603.97	OZ	94.37	5S12E18	INSECTICIDE
ALMOND	7/10/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3840	OZ	480	5S11E1	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1520	OZ	190	5S11E2	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4944	OZ	618	5S11E2	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.7	GA	55	6S12E6	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	32	6S11E11	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.49	GA	97	5S11E23	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	4000	OZ	400	4S11E23	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3900	OZ	390	4S11E24	INSECTICIDE
ALMOND	7/11/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	720	OZ	90	5S12E5	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	35	LBS	35	6S11E2	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	30	LBS	30	6S11E2	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	100	LBS	100	5S11E26	INSECTICIDE
ALMOND	7/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	75	6S11E13	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	0.7	GA	18	6S11E14	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	1.02	GA	26	6S11E14	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	1.52	GA	39	6S11E14	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	1.48	GA	38	6S11E14	INSECTICIDE
CORN FOR/FOD	7/12/2008	BIFENTURE	BIFENTHRIN	A	2.62	GA	67	6S11E13	INSECTICIDE
PEACH PROCESSNG	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	99.2	OZ	31	4S11E23	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	100	LB	200	5S11E11	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	5S11E25	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E28	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E28	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	13	LBS	13	5S11E25	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	5S11E27	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E27	INSECTICIDE
ALMOND	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	125.44	OZ	19.6	6S11E15	INSECTICIDE
ALMOND	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	6.4	OZ	14.8	6S11E15	INSECTICIDE
ALMOND	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	11	3S11E36	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	7/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	65	LB	130	4S12E32	INSECTICIDE
ALMOND	7/15/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	2.5	GA	100	4S11E12	INSECTICIDE
ALMOND	7/15/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1536	OZ	120	4S11E24	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	24	5S11E35	INSECTICIDE
ALMOND	7/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	19	LBS	19	6S11E1	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	5S11E25	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	192	OZ	60	5S11E26	INSECTICIDE
ALMOND	7/16/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	361.6	OZ	113	5S11E25	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	200	LB	200	4S12E30	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	640	LB	640	4S12E8	INSECTICIDE
ALMOND	7/17/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	118.4	OZ	37	5S11E26	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	250	LB	250	4S12E16	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S11E1	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	960	OZ	100	4S11E14	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	18	GA	200	4S11E13	INSECTICIDE
ALMOND	7/17/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	180	OZ	56	4S11E25	INSECTICIDE
CORN FOR/FOD	7/18/2008	BIFENTURE	BIFENTHRIN	G	1.9	GA	40	5S11E22	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	8.5	LB	17	5S11E17	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	300	LB	300	4S12E20	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	500	LB	500	4S12E21	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	102.5	LB	205	4S11E25	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	145	LB	145	4S12E27	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13	GA	130	4S11E14	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4	GA	40	4S11E14	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	38	GA	540	4S12E22	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	4S11E16	INSECTICIDE
ALMOND	7/18/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	180	OZ	56	4S12E33	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E8	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E7	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E6	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1280	OZ	400	4S12E18	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1600	OZ	500	4S12E17	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5	GA	100	5S11E10	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.5	GA	70	5S11E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.25	GA	85	5S11E15	INSECTICIDE
ALMOND	7/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	134	OZ	14	3S11E36	INSECTICIDE
ALMOND	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	72	OZ	9	5S12E6	INSECTICIDE
ALMOND	7/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	112.32	OZ	35.1	6S12E6	INSECTICIDE
ALMOND	7/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	101.76	OZ	31.8	5S12E31	INSECTICIDE
ALMOND	7/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	645	OZ	215	4S12E29	INSECTICIDE
ALMOND	7/22/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	320	OZ	100	4S11E14	INSECTICIDE
CORN FOR/FOD	7/23/2008	BIFENTURE	BIFENTHRIN	A	2.1	GA	42	5S11E17	INSECTICIDE
ALMOND	7/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	101.12	OZ	31.6	5S12E31	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	259.2	OZ	27	3S11E36	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	4S12E5	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1920	OZ	200	4S11E23	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	4S12E5	INSECTICIDE
CORN FOR/FOD	7/25/2008	SILENCER	LAMBDA-CYHALOTHRIN	A	176	OZ	55	3S11E36	INSECTICIDE
CORN FOR/FOD	7/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	115.2	OZ	12	4S11E34	INSECTICIDE
CORN FOR/FOD	7/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	652.8	OZ	68	4S11E34	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	832	OZ	130	4S11E33	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	4S11E33	INSECTICIDE
ALMOND	7/28/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	8	GA	346	4S11E16	INSECTICIDE
CORN FOR/FOD	7/28/2008	BIFENTURE	BIFENTHRIN	G	1016.8	OZ	164	5S12E5	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
ALMOND	7/29/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	8.5	GA	351	4S11E21	INSECTICIDE
WALNUT	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	30	3S11E36	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	3S11E36	INSECTICIDE
ALMOND	7/30/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	3	GA	125	4S11E28	INSECTICIDE

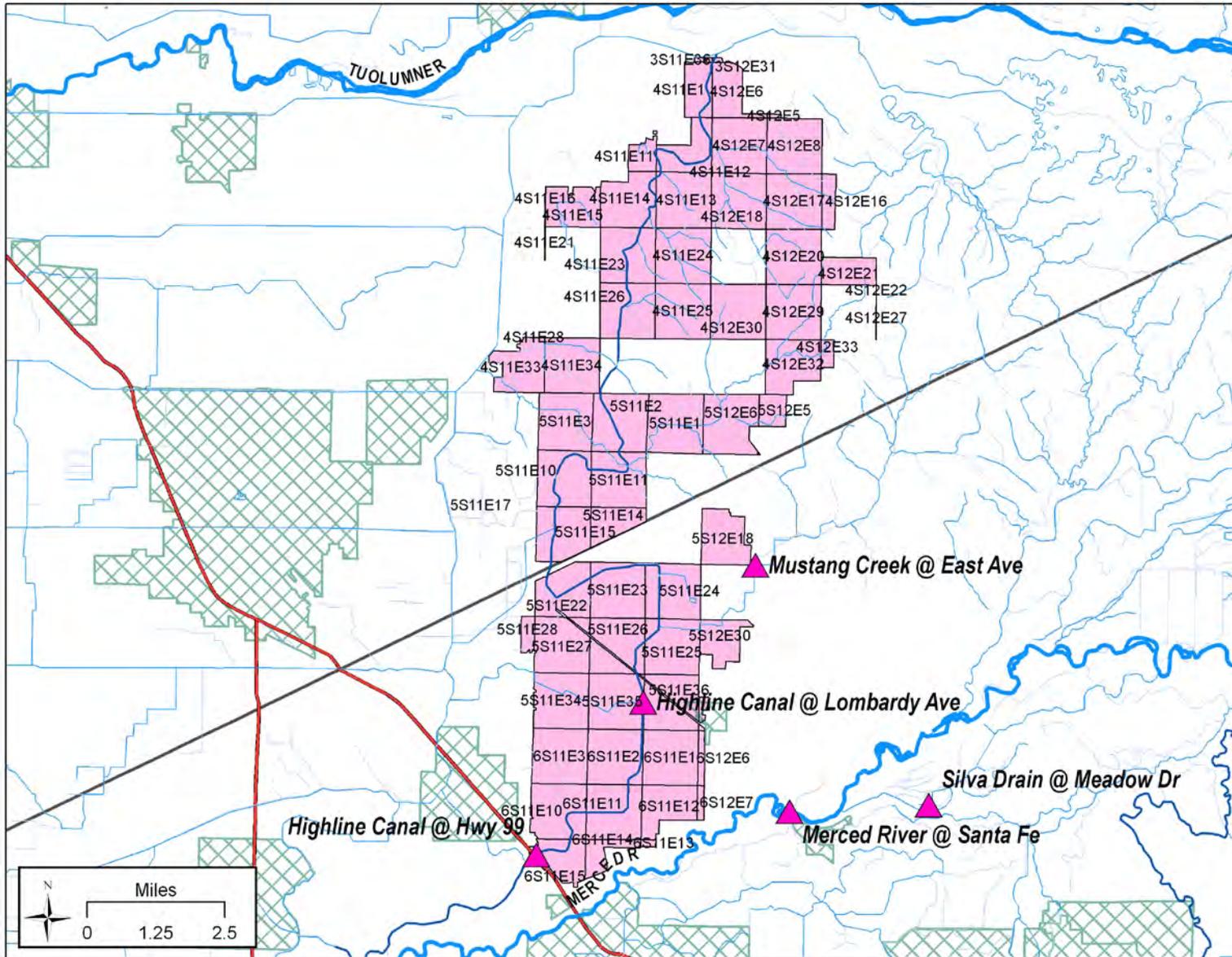
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	40.8	OZ	8.5	5S11E27	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	48	OZ	10	5S11E27	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	48	OZ	10	5S11E27	INSECTICIDE
CORN FOR/FOD	7/31/2008	BIFENTURE	BIFENTHRIN	G	5.1	GA	102	5S11E22	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LBS	24.96	5S11E35	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	23.8	LBS	23.78	6S12E7	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	17.5	LBS	17.52	5S11E36	INSECTICIDE
CORN FOR/FOD	8/2/2008	BIFENTURE	BIFENTHRIN	G	2.9	GA	58	5S11E22	INSECTICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	16	OZ	5	5S11E26	INSECTICIDE
ALMOND	8/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	54.5	LBS	109	5S12E30	INSECTICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	17.5	LBS	17.52	5S11E36	INSECTICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	23.8	LBS	23.78	6S12E7	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	4	GA	80	5S11E24	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	5S11E24	INSECTICIDE
WALNUT	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	15	LB	15	3S11E36	INSECTICIDE
WALNUT	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LB	45	3S11E36	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LBS	24.96	5S11E35	INSECTICIDE
WALNUT	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LBS	5	5S11E27	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LB	25	4S12E5	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	40	LB	40	4S12E5	INSECTICIDE
WALNUT	8/9/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	A	0.94	LBS	10	6S12E7	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S11E1	INSECTICIDE
CORN FOR/FOD	8/12/2008	BIFENTURE	BIFENTHRIN	A	1209.6	OZ	189	5S11E10	INSECTICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S12E8	INSECTICIDE
ALMOND	8/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3840	OZ	480	5S11E1	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	61	OZ	16	5S11E3	INSECTICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
WALNUT	8/20/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	5S12E31	INSECTICIDE
OP-DEC. TREE	8/20/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
WALNUT	8/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	5S12E31	INSECTICIDE
WALNUT	8/24/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LBS	10	5S11E26	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
WALNUT	8/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	310	OZ	31	6S11E3	INSECTICIDE
WALNUT	9/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	48	OZ	8	5S11E27	INSECTICIDE
OP-DEC. TREE	9/4/2008	FARMSAVER.COM ABBA 0.15 EC	ABAMECTIN	G	4.63	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	9/4/2008	FARMSAVER.COM ABBA 0.15 EC	ABAMECTIN	G	4.63	GA	37	4S11E15	INSECTICIDE
ALMOND	9/4/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	70	PT	28	4S11E26	HERBICIDE
OP-DEC. TREE	9/5/2008	FARMSAVER.COM ABBA 0.15 EC	ABAMECTIN	G	4.59	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	9/5/2008	FARMSAVER.COM ABBA 0.15 EC	ABAMECTIN	G	4.59	GA	37	4S11E15	INSECTICIDE
ALMOND	9/6/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.5	GA	25	5S11E34	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	9/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	36	OZ	6	5S11E27	INSECTICIDE
ALMOND	9/6/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	PT	10	3S12E31	FUNGICIDE
ALMOND	9/6/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	PT	10	3S12E31	HERBICIDE
CORN FOR/FOD	9/6/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	867	OZ	102	5S11E22	INSECTICIDE
CORN FOR/FOD	9/6/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	493	OZ	58	5S11E22	INSECTICIDE
WALNUT	9/9/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	40	QT	40	6S12E7	HERBICIDE
WALNUT	9/9/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	3	QT	15	6S12E7	HERBICIDE
OP-DEC. TREE	9/9/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
WALNUT	9/9/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	16	QT	10	5S11E27	INSECTICIDE
ALMOND	9/11/2008	PARAZONE 3SL	PARAQUAT DICHLORIDE	G	7	GA	56	6S11E11	HERBICIDE
ALMOND	9/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	600	PT	200	4S12E30	HERBICIDE
ALMOND	9/11/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	40	PT	32	4S11E26	HERBICIDE
ALMOND	9/16/2008	DUPONT MANEX FUNGICIDE	MANEB	G	40	QT	10	6S11E3	FUNGICIDE
ALMOND	9/16/2008	DUPONT MANEX FUNGICIDE	MANEB	G	80	QT	20	6S11E11	FUNGICIDE
OP-DEC. TREE	9/16/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.84	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	9/16/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2699.89	GR	37	4S11E15	INSECTICIDE
GRAPE, WINE	9/16/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	80	GA	160	4S12E27	INSECTICIDE
ALMOND	9/23/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1500	PT	500	4S12E21	HERBICIDE
ALMOND	9/24/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	131.4	PT	90	4S12E30	FUNGICIDE
ALMOND	9/24/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	131.4	PT	90	4S12E30	HERBICIDE
ALMOND	9/24/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	65	PT	26	4S11E11	HERBICIDE
ALMOND	9/25/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	109.5	PT	75	4S12E29	FUNGICIDE
ALMOND	9/25/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	109.5	PT	75	4S12E29	HERBICIDE
WALNUT	9/26/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	523.64	OZ	30	6S12E6	HERBICIDE
WALNUT	9/27/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	523.64	OZ	30	5S12E31	HERBICIDE
ALMOND	9/27/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	16.25	GA	65	5S11E14	HERBICIDE
OP-DEC. TREE	9/29/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	9	LB	12	4S11E15	FUNGICIDE
OP-DEC. TREE	9/30/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	15	LB	20	4S11E15	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	9/30/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	14.25	LB	19	4S11E15	FUNGICIDE
ALMOND	10/1/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	75	GA	400	4S11E14	HERBICIDE

Figure 56. Location of pesticide use for Highline Canal @ Hwy 99 – Irrigation 5 SED RS



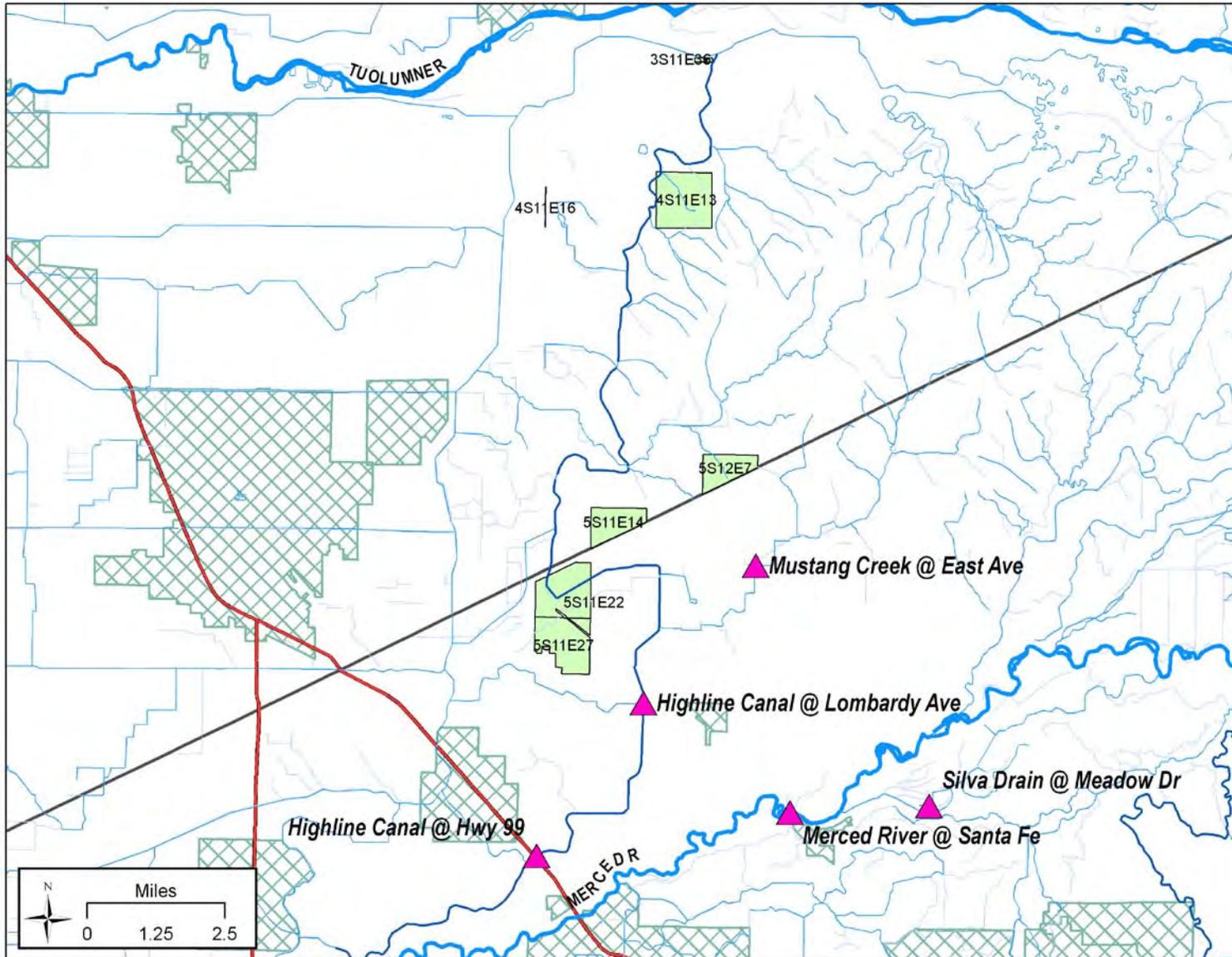
## Highline Canal @ Lombardy Rd

### Pesticide Use Reports for pesticide exceedances in the water column

#### Irrigation 5 (8/19/08) - chlorpyrifos exceedance.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/31/2008	LORSBAN-4E	CHLORPYRIFOS	G	200	PT	200	4S11E13	INSECTICIDE
CORN FOR/FOD	8/1/2008	CHLORPYRIFOS 4E AG	CHLORPYRIFOS	A	11.25	GA	60	5S11E22	INSECTICIDE
CORN FOR/FOD	8/1/2008	CHLORPYRIFOS 4E AG	CHLORPYRIFOS	A	1.88	GA	10	5S11E22	INSECTICIDE
ALMOND	8/1/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	PT	10	4S11E16	INSECTICIDE
WALNUT	8/9/2008	NUFOS 4E	CHLORPYRIFOS	G	32	PT	8	5S11E27	INSECTICIDE
WALNUT	8/10/2008	NUFOS 4E	CHLORPYRIFOS	G	24	PT	6	5S11E27	INSECTICIDE
WALNUT	8/10/2008	NUFOS 4E	CHLORPYRIFOS	G	10	QT	5	5S11E27	INSECTICIDE
ALMOND	8/12/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	40064	OZ	626	5S12E7	INSECTICIDE
ALFALFA	8/12/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	2.5	GA	10	5S11E14	INSECTICIDE
ALFALFA	8/13/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	50	PT	50	3S11E36	INSECTICIDE
WALNUT	8/14/2008	NUFOS 4E	CHLORPYRIFOS	G	60	QT	30	3S11E36	INSECTICIDE

Figure 57. Location of chlorpyrifos use for Highline Canal @ Lombardy – Irrigation 5



**Irrigation 5 (8/19/08) - malathion exceedance.**

No reported use in 2008.

**Irrigation 5 (8/19/08) – methyl parathion exceedance.**

No reported use within four weeks prior to the exceedance. Last reported use occurred on June 24, 2008.

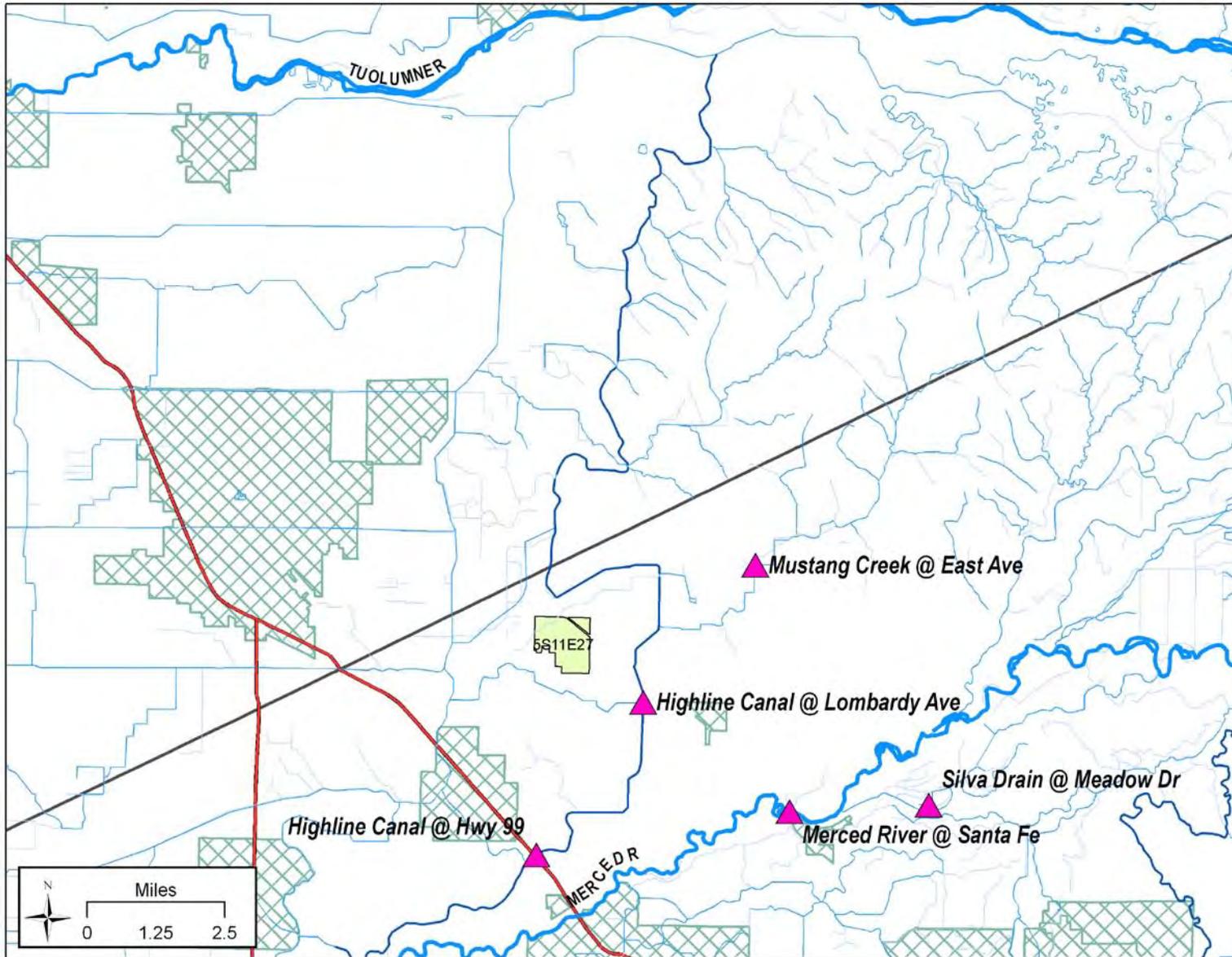
## Pesticide Use Reports for metal exceedances in the water column

### Irrigation 5 (8/19/08) – copper exceedance.

There were no copper applications within 12 weeks prior to the exceedance. Within 16 weeks prior to the exceedance, one application occurred on May 25, 2008 (shown below).

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	5/25/2008	DUPONT GX-569 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	20	LBS	5	5S11E27	FUNGICIDE

Figure 58. Location of copper use for Highline Canal @ Lombardy – Irrigation 5



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**Pesticide Use Reports for toxicity in the water column**

**Irrigation 2 (5/20/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/27/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	165	LB	132	4S11E1	FUNGICIDE
ALMOND	2/27/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	25	LB	20	4S11E1	FUNGICIDE
ALMOND	2/27/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	105	GA	540	4S12E22	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	HERBICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	INSECTICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	225	LBS	45	5S11E25	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	INSECTICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	FUNGICIDE
ALMOND	2/27/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	75	LBS	15	5S11E25	HERBICIDE
ALMOND	2/28/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	250	LB	200	5S11E11	FUNGICIDE
ALMOND	2/28/2008	NU-COP 50 WP	COPPER HYDROXIDE	G	40	LB	20	4S11E16	FUNGICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	INSECTICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	FUNGICIDE
ALMOND	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	HERBICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	HERBICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	51.25	LBS	10.25	5S11E25	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	FUNGICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	INSECTICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	52.5	LBS	10.5	5S11E25	HERBICIDE
PEACH	2/28/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	76.25	LBS	15.25	5S11E25	HERBICIDE
ALMOND	2/29/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	250	LB	200	4S11E25	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	14	QT	14	3S11E36	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	27	QT	27	3S11E36	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	80	QT	40	3S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	37.5	LB	25	4S12E5	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	4S12E5	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	A	105	QT	105	4S11E23	FUNGICIDE
ALMOND	2/29/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	40	PT	20	4S11E16	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E28	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	36	LBS	24	5S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	75	LBS	50	5S11E35	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	100.5	LBS	67	5S11E36	FUNGICIDE
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	48	LBS	32	5S11E36	FUNGICIDE
PEACH	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	9	LBS	6	5S11E35	FUNGICIDE
ALMOND	3/1/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	100	LB	160	4S12E27	FUNGICIDE
ALMOND	3/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	105	LB	140	4S11E14	FUNGICIDE
ALMOND	3/3/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	84	LBS	56	5S11E25	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	FUNGICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	87.6	LBS	17.52	5S11E36	INSECTICIDE
ALMOND	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LBS	20	5S11E26	FUNGICIDE
ALMOND	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	103.5	LBS	69	5S11E28	FUNGICIDE
PEACH	3/4/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	INSECTICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	HERBICIDE
ALMOND	3/4/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	37.8	LBS	9.57	5S11E36	FUNGICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	60	LB	40	5S11E10	FUNGICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	163.5	LBS	109	5S12E30	FUNGICIDE
ALMOND	3/5/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	103.5	LBS	69	5S11E28	FUNGICIDE
ALMOND	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	90	LB	60	4S11E1	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	FUNGICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	INSECTICIDE
ALMOND	3/6/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	189.8	LBS	37.95	5S11E25	HERBICIDE
ALMOND	3/6/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	84.75	LBS	113	5S11E25	FUNGICIDE
ALMOND	3/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LB	20	4S11E1	FUNGICIDE
ALMOND	3/7/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	99.75	LB	133	4S11E1	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	HERBICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	INSECTICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	124.8	LBS	24.96	5S11E35	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	HERBICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	FUNGICIDE
ALMOND	3/8/2008	BASIC COPPER 53	COPPER SULFATE (BASIC)	G	135.5	LBS	27.09	5S11E36	INSECTICIDE
ALMOND	3/8/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	27.75	LBS	37	5S11E26	FUNGICIDE
PEACH	3/13/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE
ALMOND	3/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	24	LB	16	5S11E3	FUNGICIDE
PEACH	3/14/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	33	LBS	22	5S11E36	FUNGICIDE
PEACH	3/15/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	15	LBS	10	5S11E36	FUNGICIDE
WALNUT	3/15/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	8	5S11E27	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	3/17/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	22.5	LBS	15	5S11E35	FUNGICIDE
WALNUT	3/17/2008	NU-COP 50DF	COPPER HYDROXIDE	G	180	LB	45	3S11E36	FUNGICIDE
WALNUT	3/17/2008	NU-COP 50DF	COPPER HYDROXIDE	G	72	LB	18	3S11E36	FUNGICIDE
ALMOND	3/20/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	195	LB	260	4S11E25	FUNGICIDE
WALNUT	3/22/2008	KOCIDE 101	COPPER HYDROXIDE	G	20	LBS	6	5S11E27	FUNGICIDE
WALNUT	3/28/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	8	5S11E27	FUNGICIDE
WALNUT	3/31/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	5	5S11E27	FUNGICIDE
WALNUT	4/1/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	64	LBS	8	5S11E35	FUNGICIDE
WALNUT	4/2/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	400	LB	80	3S12E31	FUNGICIDE
WALNUT	4/2/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	450	LB	90	3S12E31	FUNGICIDE
WALNUT	4/2/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	120	LB	30	3S11E36	FUNGICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	48	LB	12	3S11E36	FUNGICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	64	LB	16	3S11E36	FUNGICIDE
WALNUT	4/3/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	80	LB	20	3S11E36	FUNGICIDE
GRAPE, WINE	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	19.03	GA	76.1	4S12E28	FUNGICIDE
GRAPE, WINE	4/8/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	37.25	GA	149	4S12E27	FUNGICIDE
GRAPE, WINE	4/9/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	45	GA	180	4S12E21	FUNGICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	168	QT	56	3S11E36	FUNGICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	75	QT	25	3S11E36	FUNGICIDE
WALNUT	4/10/2008	CHAMP FORMULA 2 FLOWABLE	COPPER HYDROXIDE	G	60	QT	20	3S11E36	FUNGICIDE
GRAPE, WINE	4/14/2008	KENTAN DF	COPPER HYDROXIDE	G	320	LB	160	4S12E27	FUNGICIDE
GRAPE, WINE	4/18/2008	KENTAN DF	COPPER HYDROXIDE	G	790	LB	395	4S12E28	FUNGICIDE
WALNUT	4/21/2008	KOCIDE 101	COPPER HYDROXIDE	G	30	LBS	5	5S11E27	FUNGICIDE
ALMOND	4/22/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	7.5	GA	30	4S11E25	HERBICIDE
ALMOND	4/22/2008	ACUMEN HERBICIDE	PENDIMETHALIN	G	32	GA	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	80	PT	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	860	OZ	20	5S12E7	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/22/2008	GOAL 2XL HERBICIDE	OXYFLUORFEN	G	80	QT	80	4S12E32	HERBICIDE
ALMOND	4/22/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	4S11E25	HERBICIDE
ALMOND	4/22/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	7.5	GA	30	4S11E25	HERBICIDE
ALMOND	4/22/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	QT	35	5S11E26	HERBICIDE
ALMOND	4/22/2008	GOAL 2XL	OXYFLUORFEN	G	224	OZ	35	5S11E26	HERBICIDE
WALNUT	4/22/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	120	LB	30	3S11E36	FUNGICIDE
ALMOND	4/23/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	280	QT	140	5S11E23	HERBICIDE
ALMOND	4/23/2008	GOAL 2XL	OXYFLUORFEN	G	896	OZ	140	5S11E23	HERBICIDE
WALNUT	4/23/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1161.31	OZ	49.9	5S12E31	HERBICIDE
ALMOND	4/24/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	1451.82	OZ	265	4S11E1	HERBICIDE
ALMOND	4/24/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	96.36	LB	265	4S11E1	HERBICIDE
ALMOND	4/24/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	3083.64	OZ	265	4S11E1	HERBICIDE
ALMOND	4/24/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	4625.46	OZ	265	4S11E1	HERBICIDE
ALMOND	4/24/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	90	QT	45	5S11E22	HERBICIDE
ALMOND	4/24/2008	GOAL 2XL	OXYFLUORFEN	G	288	OZ	45	5S11E22	HERBICIDE
WALNUT	4/24/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	128	LB	32	3S11E36	FUNGICIDE
WALNUT	4/24/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	10	QT	2.5	5S11E26	HERBICIDE
WALNUT	4/24/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1908.36	OZ	82	5S12E31	HERBICIDE
ALMOND	4/25/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	416.67	PT	200	4S11E23	HERBICIDE
ALMOND	4/25/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	166.67	PT	200	4S11E23	HERBICIDE
ALMOND	4/25/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	83.33	QT	200	4S11E23	HERBICIDE
PEACH	4/25/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	196	OZ	10.5	5S11E3	HERBICIDE
PEACH	4/25/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	40.83	OZ	10.5	5S11E3	HERBICIDE
WALNUT	4/25/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	20	QT	5	5S11E26	HERBICIDE
WALNUT	4/25/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	15	PT	5	5S11E26	HERBICIDE
WALNUT	4/25/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	5	OZ	5	5S11E26	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	4/25/2008	SIMAZINE 90DF	SIMAZINE	G	40	OZ	5	5S11E26	HERBICIDE
WALNUT	4/25/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	PT	5	5S11E26	HERBICIDE
ALMOND	4/26/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	180.57	PT	158	4S11E34	HERBICIDE
ALMOND	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	270.86	PT	158	4S11E34	HERBICIDE
ALMOND	4/26/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	25	GA	165	4S12E22	HERBICIDE
ALMOND	4/26/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	270.86	PT	158	4S11E34	HERBICIDE
ALMOND	4/26/2008	IGNITE HERBICIDE	GLUFOSINATE-AMMONIUM	G	25	GA	165	4S12E22	HERBICIDE
ALMOND	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	13	QT	23	5S11E27	HERBICIDE
ALMOND	4/26/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12	GA	23	5S11E27	HERBICIDE
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	5	QT	10	5S11E27	HERBICIDE
ALMOND	4/27/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	10	5S11E27	HERBICIDE
ALMOND	4/27/2008	GOAL 2XL	OXYFLUORFEN	G	40	PT	20	5S11E26	HERBICIDE
ALMOND	4/27/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	349.09	OZ	60	4S11E1	HERBICIDE
ALMOND	4/28/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	30	PT	10	5S12E5	HERBICIDE
ALMOND	4/28/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	21.82	LB	60	4S11E1	HERBICIDE
ALMOND	4/28/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1047.27	OZ	60	4S11E1	HERBICIDE
ALMOND	4/28/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	1047.27	OZ	60	4S11E1	HERBICIDE
ALMOND	4/28/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	80	QT	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	60	PT	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	20	OZ	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	SIMAZINE 90DF	SIMAZINE	G	160	OZ	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	60	PT	20	5S11E26	HERBICIDE
ALMOND	4/28/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7	GA	17	5S11E34	HERBICIDE
WALNUT	4/28/2008	PENDIMAX 3.3	PENDIMETHALIN	G	8	QT	2	5S11E26	HERBICIDE
WALNUT	4/28/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	4	PT	2	5S11E26	HERBICIDE
ALMOND	4/29/2008	GOAL 2XL	OXYFLUORFEN	G	57.9	PT	38	5S11E3	HERBICIDE

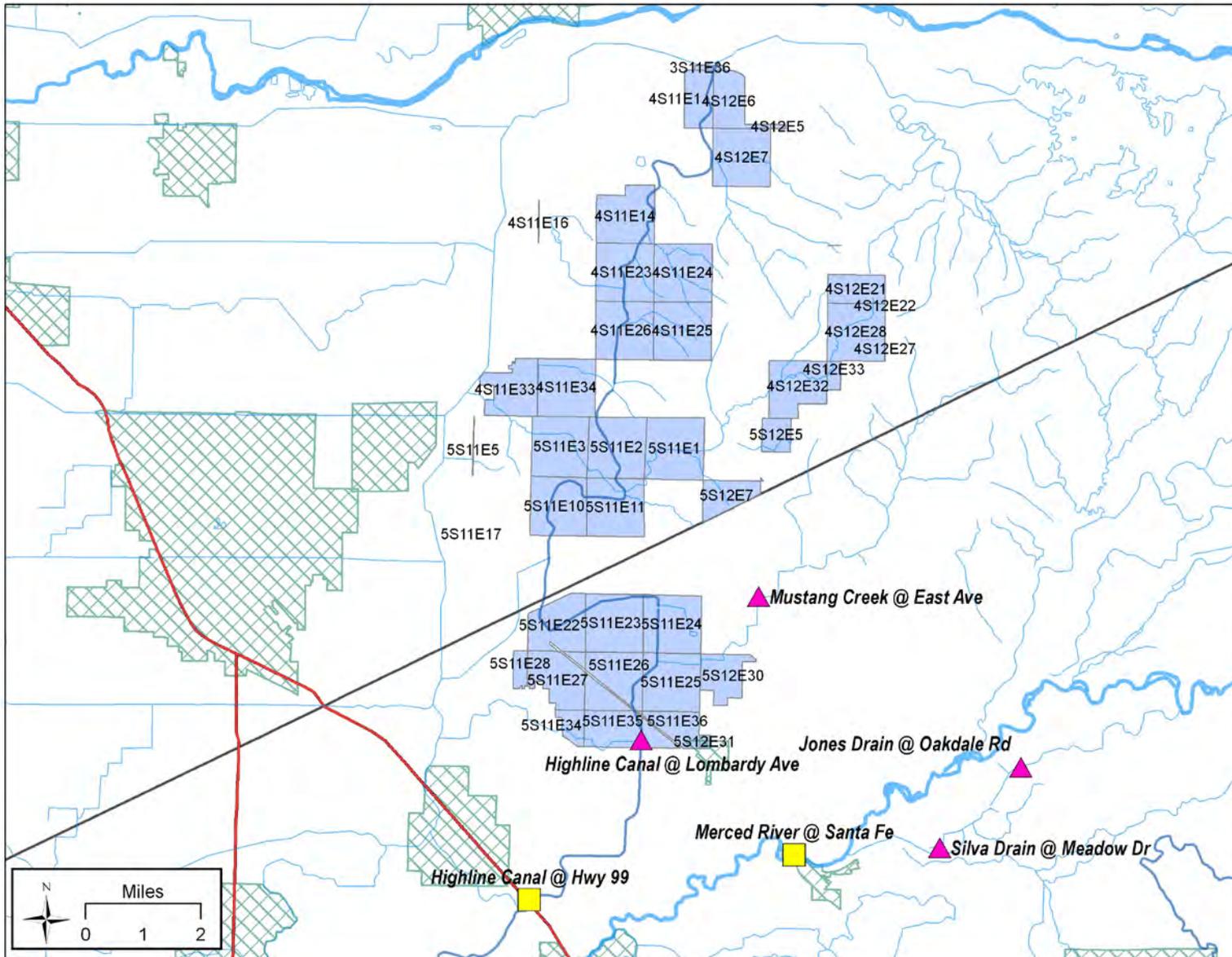
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/29/2008	TENKOZ BUCCANEER PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	43.43	PT	38	5S11E3	HERBICIDE
ALMOND	4/29/2008	ALECTO 41S	glyphosate	G	50	GA	200	4S11E14	HERBICIDE
ALMOND	4/29/2008	GORDON'S ORCHARD MASTER BROADLEAF HERBIC	2,4-D, DIMETHYLAMINE SALT	G	28.95	PT	38	5S11E3	HERBICIDE
ALMOND	4/29/2008	GORDON'S ORCHARD MASTER BROADLEAF HERBIC	2,4-D, DIETHANOLAMINE SALT	G	28.95	PT	38	5S11E3	HERBICIDE
ALMOND	4/30/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	60	PT	60	5S11E1	HERBICIDE
WALNUT	4/30/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	90	PT	30	3S11E36	HERBICIDE
WALNUT	4/30/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	60	OZ	30	3S11E36	HERBICIDE
ALMOND	5/1/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	5S11E1	HERBICIDE
CORN FOR/FOD	5/2/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	39.9	PT	30	5S11E23	HERBICIDE
CORN FOR/FOD	5/2/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	122.36	PT	92	5S11E23	HERBICIDE
N-OUTDR PLANTS	5/2/2008	PROKOZ ZENITH 75 WSP INSECTICIDE	IMIDACLOPRID	G	48	OZ	90	4S11E33	HERBICIDE
WALNUT	5/2/2008	GOAL 2XL	OXYFLUORFEN	G	0.84	GA	18	3S11E36	HERBICIDE
WALNUT	5/2/2008	GOAL 2XL	OXYFLUORFEN	G	0.34	GA	7.2	3S11E36	HERBICIDE
WALNUT	5/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.7	GA	7.2	3S11E36	HERBICIDE
WALNUT	5/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6.75	GA	18	3S11E36	HERBICIDE
WALNUT	5/2/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	1.35	GA	7.2	3S11E36	HERBICIDE
WALNUT	5/2/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	3.38	GA	18	3S11E36	HERBICIDE
WALNUT	5/2/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	3.38	GA	18	3S11E36	HERBICIDE
WALNUT	5/2/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	1.35	GA	7.2	3S11E36	HERBICIDE
ALMOND	5/3/2008	PRINCEP 4L	SIMAZINE	G	1020	OZ	170	4S11E23	HERBICIDE
ALMOND	5/3/2008	PRINCEP 4L	SIMAZINE	G	1020	OZ	170	4S11E24	HERBICIDE
ALMOND	5/3/2008	GOAL 2XL	OXYFLUORFEN	G	6.67	PT	20	5S11E36	HERBICIDE
ALMOND	5/3/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	5S11E36	HERBICIDE
CORN FOR/FOD	5/3/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	22.61	PT	17	5S11E23	HERBICIDE
CORN FOR/FOD	5/3/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	74.48	PT	56	5S11E23	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/4/2008	ROUNDUP CUSTOM HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	23	5S11E34	HERBICIDE
ALMOND	5/5/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	117.47	PT	116.25	4S11E26	HERBICIDE
ALMOND	5/5/2008	GOAL 2XL	OXYFLUORFEN	G	375.92	OZ	116.25	4S11E26	HERBICIDE
ALMOND	5/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	176.21	PT	116.25	4S11E26	HERBICIDE
ALMOND	5/5/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	117.47	OZ	116.25	4S11E26	HERBICIDE
GRAPE	5/5/2008	ALECTO 41S	glyphosate	G	10.68	PT	6	5S11E5	HERBICIDE
GRAPE	5/5/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	8	QT	6	5S11E5	HERBICIDE
ALMOND	5/10/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	103.91	PT	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	337.97	PT	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	20	GA	80	4S12E32	HERBICIDE
ALMOND	5/10/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	1	GA	16	5S11E3	HERBICIDE
ALMOND	5/10/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	9	PT	20	5S11E3	HERBICIDE
ALMOND	5/10/2008	GOAL 2XL	OXYFLUORFEN	G	665	OZ	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	GOAL 2XL	OXYFLUORFEN	G	2163	OZ	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	540.75	QT	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	166.25	QT	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	249.38	PT	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	811.13	PT	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	ALECTO 41S	glyphosate	G	8	GA	16	5S11E3	HERBICIDE
ALMOND	5/10/2008	ALECTO 41S	glyphosate	G	10	GA	20	5S11E3	HERBICIDE
ALMOND	5/10/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	7.5	GA	20	5S11E3	HERBICIDE
ALMOND	5/10/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	540.75	PT	618	5S11E2	HERBICIDE
ALMOND	5/10/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	6	GA	16	5S11E3	HERBICIDE
ALMOND	5/10/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	166.25	PT	190	5S11E2	HERBICIDE
ALMOND	5/10/2008	ROUNDUP CUSTOM HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	QT	22	5S11E35	HERBICIDE
ALMOND	5/10/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	20	QT	22	5S11E35	HERBICIDE
ALMOND	5/12/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	106.8	GA	320	4S12E7	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/12/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	106.8	GA	320	4S12E6	HERBICIDE
N-OUTDR PLANTS	5/12/2008	PROKOZ ZENITH 75 WSP INSECTICIDE	IMIDACLOPRID	G	4	OZ	7	4S11E33	HERBICIDE
ALMOND	5/14/2008	POAST	SETHOXYDIM	G	88	PT	80	5S11E1	HERBICIDE
ALMOND	5/14/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	PT	80	5S11E1	HERBICIDE
ALMOND	5/14/2008	RELY 200 HERBICIDE	GLUFOSINATE-AMMONIUM	G	12320	OZ	160	5S12E7	HERBICIDE
ALMOND	5/14/2008	GOAL 2XL	OXYFLUORFEN	G	1.9	QT	14.97	5S11E35	HERBICIDE
ALMOND	5/14/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.7	GA	14.97	5S11E35	HERBICIDE
ALMOND	5/14/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	16.8	LBS	14.97	5S11E35	HERBICIDE
ALMOND	5/15/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	125	PT	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	145	PT	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	GOAL 2XL	OXYFLUORFEN	G	464	OZ	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	GOAL 2XL	OXYFLUORFEN	G	400	OZ	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	72.5	LB	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	62.5	LB	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	60	PT	60	5S11E1	HERBICIDE
ALMOND	5/15/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	187.5	PT	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	217.5	PT	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	145	OZ	145	4S11E26	HERBICIDE
ALMOND	5/15/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	125	OZ	125	4S11E26	HERBICIDE
ALMOND	5/15/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.7	GA	6.96	5S11E36	HERBICIDE
ALMOND	5/15/2008	GOAL 2XL	OXYFLUORFEN	G	7	FLOZ	6.96	5S11E36	HERBICIDE
ALMOND	5/15/2008	RIVERDALE DRI-CLEAN HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	7.8	LBS	6.96	5S11E36	HERBICIDE
ALMOND	5/16/2008	GOAL 2XL	OXYFLUORFEN	G	5	GA	135	5S11E3	HERBICIDE
ALMOND	5/16/2008	GOAL 2XL	OXYFLUORFEN	G	105	PT	120	5S11E1	HERBICIDE
ALMOND	5/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	105	PT	120	5S11E1	HERBICIDE
ALMOND	5/16/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	25	GA	135	5S11E3	HERBICIDE
ALMOND	5/16/2008	GOAL 2XL	OXYFLUORFEN	G	60	OZ	15	5S11E25	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/16/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	5.625	GA	15	5S11E25	HERBICIDE
ALMOND	5/16/2008	PRINCEP 4L	SIMAZINE	G	150	OZ	15	5S11E25	HERBICIDE
ALMOND	5/17/2008	ACUMEN HERBICIDE	PENDIMETHALIN	G	4	PT	16	4S11E16	HERBICIDE
ALMOND	5/17/2008	GOAL 2XL	OXYFLUORFEN	G	4	PT	16	4S11E16	HERBICIDE
ALMOND	5/17/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	6	QT	16	4S11E16	HERBICIDE
ALMOND	5/19/2008	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	GA	540	4S12E22	HERBICIDE
ALMOND	5/20/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	150	PT	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	15	GA	15	5S12E5	HERBICIDE
ALMOND	5/20/2008	GOAL 2XL	OXYFLUORFEN	G	480	OZ	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	75	LB	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	225	PT	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	150	OZ	150	4S12E33	HERBICIDE
ALMOND	5/20/2008	GOALTENDER	OXYFLUORFEN	G	54	OZ	18	5S11E24	HERBICIDE
ALMOND	5/20/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	54	PT	18	5S11E24	HERBICIDE
ALMOND	5/20/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	54	PT	18	5S11E24	HERBICIDE
CORN FOR/FOD	5/20/2008	ALECTO 41S	glyphosate	G	40	QT	40	5S11E17	HERBICIDE
WALNUT	5/20/2008	PROVADO 1.6 FLOWABLE INSECTICIDE	IMIDACLOPRID	G	240	OZ	30	3S11E36	HERBICIDE
WALNUT	5/20/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	8	QT	4	5S11E27	HERBICIDE
WALNUT	5/20/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	QT	4	5S11E27	HERBICIDE

Figure 59. Location of pesticide use for Highline Canal @ Lombardy Rd – Irrigation 1



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## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/17/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	A	1.65	GA	55	5S11E21	INSECTICIDE
ALFALFA	3/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	102.6	OZ	27	5S11E3	INSECTICIDE
ALMOND	4/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	350	OZ	35	5S11E26	INSECTICIDE
ALMOND	4/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1400	OZ	140	5S11E23	INSECTICIDE
ALMOND	4/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	450	OZ	45	5S11E22	INSECTICIDE
CORN FOR/FOD	5/2/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	114	OZ	30	5S11E23	INSECTICIDE
CORN FOR/FOD	5/2/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	349.6	OZ	92	5S11E23	INSECTICIDE
CORN FOR/FOD	5/3/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	212.8	OZ	56	5S11E23	INSECTICIDE
CORN FOR/FOD	5/3/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	64.6	OZ	17	5S11E23	INSECTICIDE
ALMOND	5/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.9	GA	156	5S11E14	INSECTICIDE
ALMOND	5/10/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	5	GA	190	4S11E24	INSECTICIDE
CORN FOR/FOD	5/14/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	155	5S12E30	INSECTICIDE
ALMOND	5/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	409.6	OZ	160	4S12E27	INSECTICIDE
ALMOND	5/15/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1	GA	30	5S11E25	INSECTICIDE
APRICOT	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	136	OZ	17	5S11E3	INSECTICIDE
PEACH	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	5	5S11E3	INSECTICIDE
ALMOND	5/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	384	OZ	150	4S12E33	INSECTICIDE
ALMOND	5/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1600	OZ	500	4S12E21	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	520	OZ	65	4S11E23	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	90	OZ	15	4S11E23	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	144	OZ	15	5S11E28	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	30	5S11E34	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	211.2	OZ	22	5S11E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	67.2	OZ	7	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.5	GA	10	5S11E34	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E36	INSECTICIDE
ALMOND	5/20/2008	LAMBDA T	LAMBDA-CYHALOTHRIN	G	64	OZ	20	3S11E36	INSECTICIDE
ALMOND	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7910.4	OZ	618	5S11E2	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	20	4S11E33	INSECTICIDE
ALMOND	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2432	OZ	190	5S11E2	INSECTICIDE
WALNUT	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	30	3S11E36	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	139	5S12E20	INSECTICIDE
PEACH	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	77	OZ	22	5S11E36	INSECTICIDE
PEACH	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	112	OZ	32	5S11E26	INSECTICIDE
ALMOND	5/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	5S11E36	INSECTICIDE
ALMOND	5/22/2008	ADJOURN INSECTICIDE	ESFENVALERATE	G	400	OZ	40	4S11E23	INSECTICIDE
ALMOND	5/22/2008	ADJOURN INSECTICIDE	ESFENVALERATE	G	400	OZ	40	4S11E23	INSECTICIDE
PEACH	5/23/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	20.48	OZ	6.4	5S12E31	INSECTICIDE
WALNUT	5/24/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	41.25	LB	55	4S11E25	INSECTICIDE
ALMOND	5/24/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1536	OZ	240	4S11E24	INSECTICIDE
ALMOND	5/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54.4	OZ	17	4S11E16	INSECTICIDE
OP-DEC. TREE	5/26/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
ALMOND	5/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E8	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2340	OZ	390	4S11E24	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2220	OZ	370	4S11E24	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2400	OZ	400	4S11E23	INSECTICIDE
ALMOND	5/27/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8.5	GA	135	5S11E3	INSECTICIDE
PEACH	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.97	GA	38	5S11E25	INSECTICIDE
ALMOND	5/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	87.5	OZ	25	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36	OZ	3.6	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	23.2	OZ	2.32	5S11E34	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	230.4	OZ	24	5S11E36	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	643.2	OZ	67	5S11E36	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56	OZ	5.6	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56.6	OZ	5.66	5S11E34	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	480	OZ	50	5S11E35	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	10.5	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	152.5	OZ	15.25	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	102.5	OZ	10.25	5S11E25	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	307.2	OZ	32	5S11E36	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E28	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	180	OZ	18	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	25.6	OZ	2.56	5S11E34	INSECTICIDE
ALMOND	5/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	816	OZ	255	4S12E16	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	139	OZ	13.9	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	132.4	OZ	13.24	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	28.4	OZ	2.84	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	16	5S11E36	INSECTICIDE
ALMOND	5/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	960	OZ	300	4S12E20	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	40	3S11E36	INSECTICIDE
ALMOND	5/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	464	OZ	145	4S12E27	INSECTICIDE
ALMOND	5/31/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	640	OZ	200	4S12E30	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.5	GA	62.5	4S11E28	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5	GA	202	4S11E16	INSECTICIDE
WALNUT	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	159.68	OZ	49.9	5S12E31	INSECTICIDE
ALMOND	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5.5	GA	235.5	4S11E21	INSECTICIDE
WALNUT	6/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	50	5S12E31	INSECTICIDE
PEACH	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	QT	20	5S11E26	INSECTICIDE
ALMOND	6/6/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	70	OZ	20	5S11E3	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	6/6/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	56	OZ	16	5S11E3	INSECTICIDE
ALMOND	6/7/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	832	OZ	260	4S11E25	INSECTICIDE
ALMOND	6/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	380	OZ	38	5S11E35	INSECTICIDE
ALMOND	6/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	217.6	OZ	34	4S11E16	INSECTICIDE
CORN FOR/FOD	6/9/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	3.03	GA	102	5S11E22	INSECTICIDE
CORN FOR/FOD	6/9/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.72	GA	58	5S11E22	INSECTICIDE
CORN FOR/FOD	6/13/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	2.52	GA	85	5S11E22	INSECTICIDE
ALMOND	6/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1125	OZ	375	4S12E30	INSECTICIDE
ALMOND	6/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	20	4S11E16	INSECTICIDE
PEACH PROCESSNG	6/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	192	OZ	80	4S11E23	INSECTICIDE
ALMOND	6/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	315	OZ	105	4S12E29	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E8	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E7	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E6	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	10	GA	400	4S12E18	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	12.5	GA	500	4S12E17	INSECTICIDE
ALMOND	6/19/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	10	GA	400	4S11E14	INSECTICIDE
WALNUT	6/21/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	41.25	LB	55	4S11E25	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	32	5S11E26	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	520	OZ	65	5S12E30	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	176	OZ	22	5S11E36	INSECTICIDE
ALMOND	6/25/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	2000	OZ	200	4S11E13	INSECTICIDE
WALNUT	6/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	8	5S11E27	INSECTICIDE
CORN FOR/FOD	6/26/2008	BIFENTURE	BIFENTHRIN	A	1404	OZ	225	5S12E18	INSECTICIDE
WALNUT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	8	5S11E27	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	192	OZ	30	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	358.4	OZ	56	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	588.8	OZ	92	5S11E23	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	108.8	OZ	17	5S11E23	INSECTICIDE
WALNUT	6/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	48	OZ	6	5S11E27	INSECTICIDE
PEACH	6/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	25.6	OZ	6.4	5S12E31	INSECTICIDE
ALMOND	6/30/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	960	OZ	120	5S11E1	INSECTICIDE
CORN FOR/FOD	7/1/2008	FANFARE	BIFENTHRIN	G	4.2	GA	89	5S11E22	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	25.6	OZ	2.56	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	152.5	OZ	15.25	5S11E25	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	10.5	5S11E25	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	180	OZ	18	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	23.2	OZ	2.32	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	102.5	OZ	10.25	5S11E25	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	10	5S11E36	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	5S11E35	INSECTICIDE
ALMOND	7/3/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	72	OZ	9	5S12E6	INSECTICIDE
PEACH	7/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	5	5S11E36	INSECTICIDE
PEACH	7/5/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	115	OZ	46	5S12E31	INSECTICIDE
ALMOND	7/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	40	LB	80	4S12E27	INSECTICIDE
ALMOND	7/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3700	OZ	370	4S11E24	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	358.4	OZ	56	3S11E36	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	25	3S11E36	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	20	3S11E36	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	10	5S11E36	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	204.8	OZ	16	5S11E35	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	5S11E35	INSECTICIDE
ALMOND	7/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5	QT	50	4S11E25	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	132.4	OZ	13.24	5S11E36	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	28.4	OZ	2.84	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	139	OZ	13.9	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36	OZ	3.6	5S11E34	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56.6	OZ	5.66	5S11E34	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	16	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56	OZ	5.6	5S11E34	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	15	5S11E25	INSECTICIDE
ALMOND	7/9/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	37.5	LB	75	4S12E33	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	603.97	OZ	94.37	5S12E18	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8	FLOZ	139	5S12E20	INSECTICIDE
ALMOND	7/10/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3840	OZ	480	5S11E1	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1520	OZ	190	5S11E2	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4944	OZ	618	5S11E2	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.49	GA	97	5S11E23	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	4000	OZ	400	4S11E23	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3900	OZ	390	4S11E24	INSECTICIDE
ALMOND	7/11/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	720	OZ	90	5S12E5	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	100	LBS	100	5S11E26	INSECTICIDE
PEACH PROCESSNG	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	99.2	OZ	31	4S11E23	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	100	LB	200	5S11E11	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	5S11E25	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E28	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E28	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	13	LBS	13	5S11E25	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E27	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	5S11E27	INSECTICIDE
ALMOND	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	11	3S11E36	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	7/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	65	LB	130	4S12E32	INSECTICIDE
ALMOND	7/15/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	2.5	GA	100	4S11E12	INSECTICIDE
ALMOND	7/15/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1536	OZ	120	4S11E24	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	24	5S11E35	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	5S11E25	INSECTICIDE
ALMOND	7/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	192	OZ	60	5S11E26	INSECTICIDE
ALMOND	7/16/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	361.6	OZ	113	5S11E25	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	200	LB	200	4S12E30	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	640	LB	640	4S12E8	INSECTICIDE
ALMOND	7/17/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	118.4	OZ	37	5S11E26	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	250	LB	250	4S12E16	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S11E1	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	960	OZ	100	4S11E14	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	18	GA	200	4S11E13	INSECTICIDE
ALMOND	7/17/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	180	OZ	56	4S11E25	INSECTICIDE
CORN FOR/FOD	7/18/2008	BIFENTURE	BIFENTHRIN	G	1.9	GA	40	5S11E22	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	8.5	LB	17	5S11E17	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	300	LB	300	4S12E20	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	500	LB	500	4S12E21	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	102.5	LB	205	4S11E25	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	145	LB	145	4S12E27	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13	GA	130	4S11E14	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4	GA	40	4S11E14	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	38	GA	540	4S12E22	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	4S11E16	INSECTICIDE
ALMOND	7/18/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	180	OZ	56	4S12E33	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E8	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E7	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E6	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1280	OZ	400	4S12E18	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1600	OZ	500	4S12E17	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5	GA	100	5S11E10	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.5	GA	70	5S11E15	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.25	GA	85	5S11E15	INSECTICIDE
ALMOND	7/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	134	OZ	14	3S11E36	INSECTICIDE
ALMOND	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	72	OZ	9	5S12E6	INSECTICIDE
ALMOND	7/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	101.76	OZ	31.8	5S12E31	INSECTICIDE
ALMOND	7/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	645	OZ	215	4S12E29	INSECTICIDE
ALMOND	7/22/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	320	OZ	100	4S11E14	INSECTICIDE
CORN FOR/FOD	7/23/2008	BIFENTURE	BIFENTHRIN	A	2.1	GA	42	5S11E17	INSECTICIDE
ALMOND	7/24/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	101.12	OZ	31.6	5S12E31	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	259.2	OZ	27	3S11E36	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	4S12E5	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1920	OZ	200	4S11E23	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	4S12E5	INSECTICIDE
CORN FOR/FOD	7/25/2008	SILENCER	LAMBDA-CYHALOTHRIN	A	176	OZ	55	3S11E36	INSECTICIDE
CORN FOR/FOD	7/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	115.2	OZ	12	4S11E34	INSECTICIDE
CORN FOR/FOD	7/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	652.8	OZ	68	4S11E34	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	832	OZ	130	4S11E33	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	4S11E33	INSECTICIDE
ALMOND	7/28/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	8	GA	346	4S11E16	INSECTICIDE
CORN FOR/FOD	7/28/2008	BIFENTURE	BIFENTHRIN	G	1016.8	OZ	164	5S12E5	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
ALMOND	7/29/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	8.5	GA	351	4S11E21	INSECTICIDE
WALNUT	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	30	3S11E36	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	3S11E36	INSECTICIDE
ALMOND	7/30/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	3	GA	125	4S11E28	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	40.8	OZ	8.5	5S11E27	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	48	OZ	10	5S11E27	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	48	OZ	10	5S11E27	INSECTICIDE
ALMOND	7/31/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	440	PT	220	4S11E26	HERBICIDE
ALMOND	7/31/2008	CLINCH ANT BAIT	ABAMECTIN	G	480	LB	480	5S11E1	INSECTICIDE
ALMOND	7/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	300	PT	200	4S11E13	FUNGICIDE
ALMOND	7/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	300	PT	200	4S11E13	HERBICIDE
ALMOND	7/31/2008	LORSBAN-4E	CHLORPYRIFOS	G	200	PT	200	4S11E13	INSECTICIDE
ALMOND	7/31/2008	GOAL 2XL	OXYFLUORFEN	G	1408	OZ	220	4S11E26	HERBICIDE
ALMOND	7/31/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	800	OZ	200	4S11E13	HERBICIDE
CORN FOR/FOD	7/31/2008	BIFENTURE	BIFENTHRIN	G	5.1	GA	102	5S11E22	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	17.5	LBS	17.52	5S11E36	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LBS	24.96	5S11E35	INSECTICIDE
CORN FOR/FOD	8/1/2008	CHLORPYRIFOS 4E AG	CHLORPYRIFOS	A	11.25	GA	60	5S11E22	INSECTICIDE
CORN FOR/FOD	8/1/2008	CHLORPYRIFOS 4E AG	CHLORPYRIFOS	A	1.88	GA	10	5S11E22	INSECTICIDE
CORN FOR/FOD	8/1/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	0.78	GA	10	5S11E22	INSECTICIDE
ALMOND	8/1/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	2.2	QT	17.52	5S11E36	INSECTICIDE
ALMOND	8/1/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	3.1	QT	24.96	5S11E35	INSECTICIDE
CORN FOR/FOD	8/1/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	262.8	OZ	36	5S11E10	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	8/1/2008	COMITE	PROPARGITE	A	0.18	GA	10	5S11E17	INSECTICIDE
CORN FOR/FOD	8/1/2008	COMITE	PROPARGITE	A	0.18	GA	10	5S11E17	INSECTICIDE
CORN FOR/FOD	8/1/2008	COMITE	PROPARGITE	A	0.18	GA	10	5S11E17	INSECTICIDE
ALMOND	8/1/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	PT	10	4S11E16	INSECTICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	120	PT	60	4S12E32	HERBICIDE
ALMOND	8/2/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	220	PT	110	4S11E11	HERBICIDE
ALMOND	8/2/2008	GOAL 2XL	OXYFLUORFEN	G	528	OZ	110	4S11E11	HERBICIDE
ALMOND	8/2/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	10	PT	4	5S12E5	HERBICIDE
CORN FOR/FOD	8/2/2008	BIFENTURE	BIFENTHRIN	G	2.9	GA	58	5S11E22	INSECTICIDE
ALMOND	8/3/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	349.09	OZ	20	5S12E31	HERBICIDE
ALMOND	8/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	54.5	LBS	109	5S12E30	INSECTICIDE
ALMOND	8/4/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	16	OZ	5	5S11E26	INSECTICIDE
ALMOND	8/4/2008	CLINCH ANT BAIT	ABAMECTIN	G	109	LBS	109	5S12E30	INSECTICIDE
ALMOND	8/4/2008	CLINCH ANT BAIT	ABAMECTIN	G	640	LB	640	4S12E8	INSECTICIDE
ALMOND	8/4/2008	OMITE-6E	PROPARGITE	G	40	PT	10	4S11E21	INSECTICIDE
ALMOND	8/4/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	36	QT	18	5S12E6	FUNGICIDE
ALMOND	8/4/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	36	QT	18	5S12E6	HERBICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	4S11E14	FUNGICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	10	4S11E14	HERBICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	4S11E14	FUNGICIDE
ALMOND	8/4/2008	ALECTO 41 HL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	30	4S11E14	HERBICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	17.5	LBS	17.52	5S11E36	INSECTICIDE
ALMOND	8/5/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	349.09	OZ	20	5S12E31	HERBICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	5S11E24	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	4	GA	80	5S11E24	INSECTICIDE
ALMOND	8/5/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	2.2	QT	17.52	5S11E36	INSECTICIDE
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	640	OZ	40	4S11E1	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	4240	OZ	265	4S11E1	HERBICIDE
WALNUT	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	15	LB	15	3S11E36	INSECTICIDE
WALNUT	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LB	45	3S11E36	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
ALMOND	8/5/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	126	PT	90	4S12E29	FUNGICIDE
ALMOND	8/5/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	126	PT	90	4S12E29	HERBICIDE
ALMOND	8/5/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	160	OZ	40	4S11E1	HERBICIDE
ALMOND	8/5/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	1060	OZ	265	4S11E1	HERBICIDE
ALMOND	8/6/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	128	OZ	10	5S12E31	INSECTICIDE
ALMOND	8/6/2008	CLINCH ANT BAIT	ABAMECTIN	G	500	LB	500	4S12E21	INSECTICIDE
ALMOND	8/6/2008	CLINCH ANT BAIT	ABAMECTIN	G	300	LB	300	4S12E20	INSECTICIDE
ALMOND	8/6/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	48	GA	200	4S11E13	HERBICIDE
WALNUT	8/7/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	349.09	OZ	20	5S12E31	HERBICIDE
ALMOND	8/7/2008	CLINCH ANT BAIT	ABAMECTIN	G	626	LB	626	5S12E7	INSECTICIDE
ALMOND	8/7/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	12.5	PT	5	5S12E5	HERBICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LBS	24.96	5S11E35	INSECTICIDE
WALNUT	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LBS	5	5S11E27	INSECTICIDE
ALMOND	8/8/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	88	OZ	53	5S11E27	FUNGICIDE
ALMOND	8/8/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	3.1	QT	24.96	5S11E35	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LB	25	4S12E5	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	40	LB	40	4S12E5	INSECTICIDE
ALMOND	8/8/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	66	QT	66	4S11E16	HERBICIDE
ALMOND	8/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	PT	120	4S11E24	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	PT	120	4S11E24	HERBICIDE
ALMOND	8/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	PT	120	4S11E23	FUNGICIDE
ALMOND	8/8/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	120	PT	120	4S11E23	HERBICIDE
ALMOND	8/8/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	PT	80	5S11E1	FUNGICIDE
ALMOND	8/8/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	70	PT	80	5S11E1	HERBICIDE
ALMOND	8/8/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	120	OZ	120	4S11E23	HERBICIDE
ALMOND	8/8/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	120	OZ	120	4S11E24	HERBICIDE
WALNUT	8/9/2008	NUFOS 4E	CHLORPYRIFOS	G	32	PT	8	5S11E27	INSECTICIDE
ALMOND	8/10/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.5	GA	20	5S11E34	HERBICIDE
WALNUT	8/10/2008	NUFOS 4E	CHLORPYRIFOS	G	24	PT	6	5S11E27	INSECTICIDE
WALNUT	8/10/2008	NUFOS 4E	CHLORPYRIFOS	G	10	QT	5	5S11E27	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/10/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	56.25	GA	225	4S12E5	HERBICIDE
ALMOND	8/10/2008	TRIFLUREX HFP	TRIFLURALIN	G	64	PT	80	5S12E5	INSECTICIDE
ALMOND	8/11/2008	CLINCH ANT BAIT	ABAMECTIN	G	180	LB	180	4S11E26	INSECTICIDE
ALMOND	8/11/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	59	GA	235	4S11E21	HERBICIDE
ALMOND	8/11/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	152	PT	38	5S11E3	FUNGICIDE
ALMOND	8/11/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	152	PT	38	5S11E3	HERBICIDE
ALMOND	8/12/2008	CLINCH ANT BAIT	ABAMECTIN	G	260	LB	260	4S11E26	INSECTICIDE
ALMOND	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S11E1	INSECTICIDE
ALMOND	8/12/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	345.45	PT	100	5S12E5	HERBICIDE
ALMOND	8/12/2008	GOVERN 4E INSECTICIDE	CHLORPYRIFOS	G	40064	OZ	626	5S12E7	INSECTICIDE

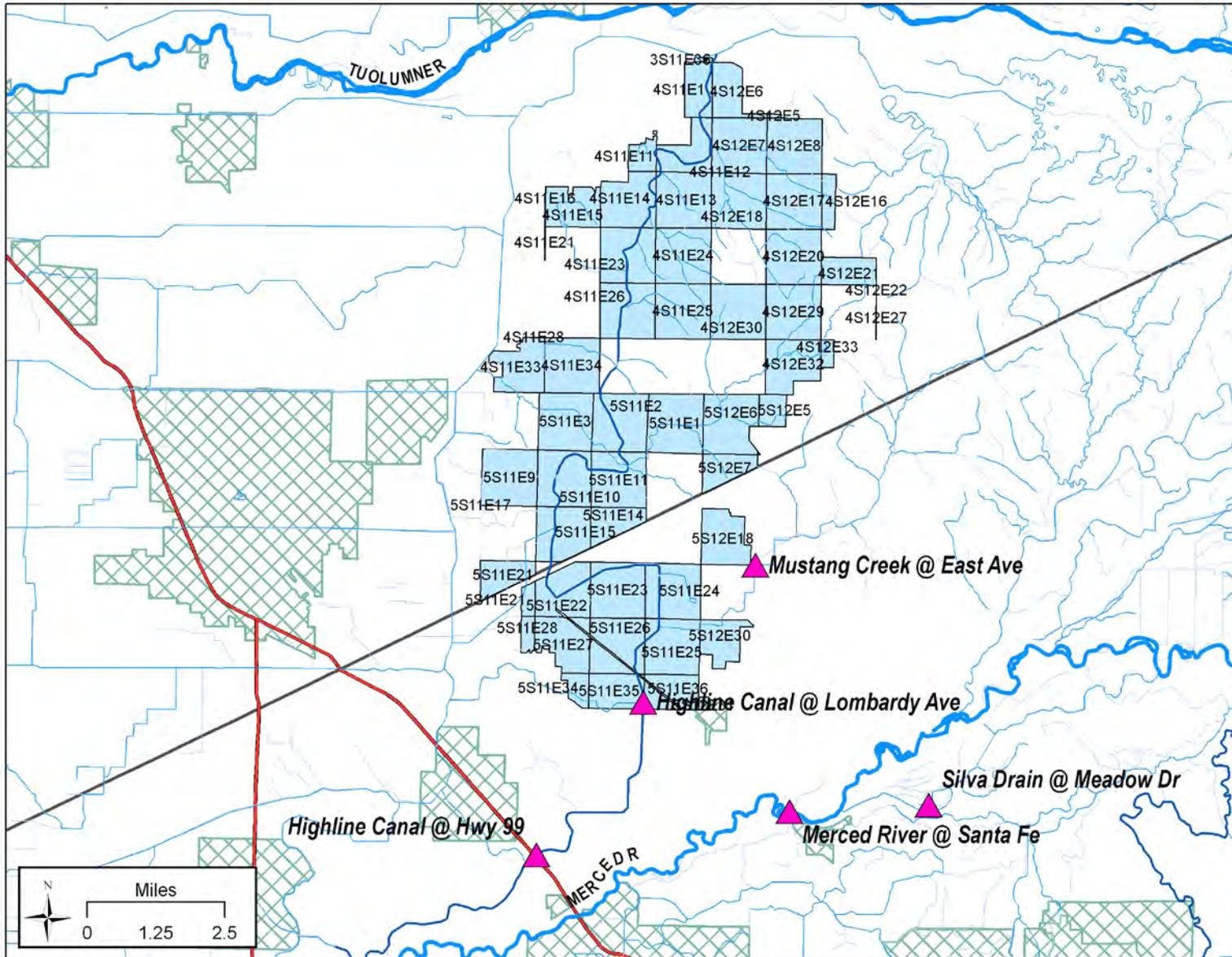
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/12/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	2.5	GA	10	5S11E14	INSECTICIDE
CORN FOR/FOD	8/12/2008	BIFENTURE	BIFENTHRIN	A	1209.6	OZ	189	5S11E10	INSECTICIDE
CORN FOR/FOD	8/13/2008	COMITE	PROPARGITE	A	13	GA	40	5S11E21	INSECTICIDE
CORN FOR/FOD	8/13/2008	COMITE	PROPARGITE	A	6.5	GA	20	5S11E21	INSECTICIDE
ALMOND	8/13/2008	GRAMOXONE MAX	PARAQUAT DICHLORIDE	G	15	GA	60	5S11E34	HERBICIDE
ALMOND	8/13/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	340	PT	170	4S11E26	HERBICIDE
ALMOND	8/13/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	166	PT	83	4S11E26	HERBICIDE
CORN FOR/FOD	8/13/2008	COMITE	PROPARGITE	A	22.75	GA	70	5S11E21	INSECTICIDE
CORN FOR/FOD	8/13/2008	COMITE	PROPARGITE	G	120	PT	40	3S11E36	INSECTICIDE
ALMOND	8/13/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	16	GA	62	4S11E28	HERBICIDE
ALFALFA	8/13/2008	MON-35085	GLYPHOSATE, ISOPROPYLAMINE SALT	A	27	QT	27	5S11E3	FUNGICIDE
ALFALFA	8/13/2008	MON-35085	GLYPHOSATE, ISOPROPYLAMINE SALT	A	27	QT	27	5S11E3	HERBICIDE
ALMOND	8/13/2008	ZEAL MITICIDE	ETOXAZOLE	G	210	OZ	70	5S11E14	INSECTICIDE
ALFALFA	8/13/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	50	PT	50	3S11E36	INSECTICIDE
ALMOND	8/13/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	531.2	OZ	83	4S11E26	HERBICIDE
ALMOND	8/13/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	1088	OZ	170	4S11E26	HERBICIDE
ALMOND	8/14/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	314.18	OZ	18	5S12E31	HERBICIDE
ALMOND	8/14/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	95	PT	47.5	4S12E29	HERBICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S12E8	INSECTICIDE
ALMOND	8/14/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	55.16	PT	38	4S11E25	FUNGICIDE
ALMOND	8/14/2008	BUCCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	55.16	PT	38	4S11E25	HERBICIDE
WALNUT	8/14/2008	NUFOS 4E	CHLORPYRIFOS	G	60	QT	30	3S11E36	INSECTICIDE
ALMOND	8/15/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	8	GA	18	5S11E34	HERBICIDE
ALMOND	8/15/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	300	PT	150	4S11E34	HERBICIDE
ALMOND	8/15/2008	CLINCH ANT BAIT	ABAMECTIN	G	160	LB	158	4S11E34	INSECTICIDE
ALMOND	8/15/2008	AGRI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	4800	OZ	480	5S11E1	INSECTICIDE
ALMOND	8/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3840	OZ	480	5S11E1	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/15/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	95	GA	190	5S11E14	FUNGICIDE
ALMOND	8/15/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	95	GA	190	5S11E14	HERBICIDE
ALMOND	8/15/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	960	OZ	150	4S11E34	HERBICIDE
ALMOND	8/16/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.75	GA	17	4S11E16	FUNGICIDE
ALMOND	8/16/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.75	GA	17	4S11E16	HERBICIDE
ALMOND	8/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	PT	10	5S11E1	FUNGICIDE
ALMOND	8/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	PT	10	5S11E1	HERBICIDE
ALMOND	8/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	5S11E1	FUNGICIDE
ALMOND	8/16/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20	PT	20	5S11E1	HERBICIDE
ALMOND	8/17/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	6.75	GA	20	5S11E27	HERBICIDE
ALMOND	8/17/2008	CLINCH ANT BAIT	ABAMECTIN	G	225	LB	225	4S12E5	INSECTICIDE
ALMOND	8/17/2008	AGRI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	17.58	GA	225	4S12E5	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/17/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	78	PT	39	4S11E23	HERBICIDE
ALMOND	8/17/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	78	PT	39	4S11E24	HERBICIDE
ALMOND	8/17/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	9	GA	36	5S12E30	HERBICIDE
ALMOND	8/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	61	OZ	16	5S11E3	INSECTICIDE
ALMOND	8/18/2008	CLINCH ANT BAIT	ABAMECTIN	G	150	LB	150	4S12E33	INSECTICIDE
ALMOND	8/19/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	203.24	PT	101.62	4S12E29	HERBICIDE
ALMOND	8/19/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	2036.24	PT	101.62	4S12E30	HERBICIDE
ALMOND	8/19/2008	CLINCH ANT BAIT	ABAMECTIN	G	112.5	LB	112.5	4S11E11	INSECTICIDE
OP-DEC. TREE	8/19/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	8/19/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/19/2008	WILCO 'GOPHER GETTER' TYPE 2 BAIT	CHLOROPHACINONE	G	5	LB	100	5S12E5	VERTEBRATE CONTROL
OP-DEC. TREE	8/19/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	27.75	LB	37	4S11E15	FUNGICIDE
OP-DEC. TREE	8/19/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	27.75	LB	37	4S11E15	FUNGICIDE
WALNUT	8/20/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	5S12E31	INSECTICIDE
ALMOND	8/20/2008	CLINCH ANT BAIT	ABAMECTIN	G	12.5	LB	12.5	4S11E26	INSECTICIDE
OP-DEC. TREE	8/20/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	27.75	LB	37	4S11E15	FUNGICIDE
OP-DEC. TREE	8/20/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	27.75	LB	37	4S11E15	FUNGICIDE
WALNUT	8/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	1789.09	OZ	82	5S12E31	HERBICIDE
WALNUT	8/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	5S12E31	INSECTICIDE
ALMOND	8/21/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	300	PT	150	4S12E33	HERBICIDE
ALMOND	8/21/2008	OMITE 30WS	PROPARGITE	G	464	LB	58	4S12E32	INSECTICIDE
ALMOND	8/21/2008	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	270	GA	540	4S12E22	FUNGICIDE
ALMOND	8/21/2008	MON-52249 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	270	GA	540	4S12E22	HERBICIDE
ALMOND	8/21/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	960	OZ	150	4S12E33	HERBICIDE
WALNUT	8/22/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	5	QT	2.5	5S11E27	INSECTICIDE
ALMOND	8/23/2008	OMITE-6E	PROPARGITE	G	32	PT	10	5S11E9	INSECTICIDE
WALNUT	8/24/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LBS	10	5S11E26	INSECTICIDE
ALMOND	8/24/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	46	QT	23	5S12E31	HERBICIDE
ALMOND	8/25/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	46	QT	23	5S12E31	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.73	GA	8	4S11E16	FUNGICIDE
ALMOND	8/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.73	GA	8	4S11E16	HERBICIDE
ALMOND	8/25/2008	GOAL 2XL	OXYFLUORFEN	G	0.23	GA	8	4S11E16	HERBICIDE
ALMOND	8/26/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	43.2	PT	54	4S12E33	HERBICIDE
OP-DEC. TREE	8/26/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.84	GA	37	4S11E15	INSECTICIDE
PEACH	8/26/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	21	LB	10.5	5S11E3	INSECTICIDE
APRICOT	8/26/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	14	LB	7	5S11E3	INSECTICIDE
ALMOND	8/26/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	200	PT	100	4S11E23	HERBICIDE
OP-DEC. TREE	8/27/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.84	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/27/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	190	PT	95	4S12E29	FUNGICIDE
ALMOND	8/27/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	190	PT	95	4S12E29	HERBICIDE
WALNUT	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	20	QT	10	5S11E27	INSECTICIDE
WALNUT	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	17	QT	8.5	5S11E27	INSECTICIDE
WALNUT	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	20	QT	10	5S11E27	INSECTICIDE
ALMOND	8/28/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	370	PT	185	4S12E29	FUNGICIDE
ALMOND	8/28/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	370	PT	185	4S12E29	HERBICIDE

Figure 60. Location of pesticide use for Highline Canal @ Lombardy – Irrigation 5 SED



**Irrigation 5 SED RS (10/2/08) – *Hyalella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	350	OZ	35	5S11E26	INSECTICIDE
ALMOND	4/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1400	OZ	140	5S11E23	INSECTICIDE
ALMOND	4/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	450	OZ	45	5S11E22	INSECTICIDE
ALMOND	5/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.9	GA	156	5S11E14	INSECTICIDE
ALMOND	5/10/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	5	GA	190	4S11E24	INSECTICIDE
CORN FOR/FOD	5/14/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	155	5S12E30	INSECTICIDE
ALMOND	5/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	409.6	OZ	160	4S12E27	INSECTICIDE
ALMOND	5/15/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1	GA	30	5S11E25	INSECTICIDE
APRICOT	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	136	OZ	17	5S11E3	INSECTICIDE
PEACH	5/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	5	5S11E3	INSECTICIDE
ALMOND	5/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	384	OZ	150	4S12E33	INSECTICIDE
ALMOND	5/19/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1600	OZ	500	4S12E21	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	520	OZ	65	4S11E23	INSECTICIDE
PEACH PROCESSNG	5/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	90	OZ	15	4S11E23	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	144	OZ	15	5S11E28	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	30	5S11E34	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	211.2	OZ	22	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	67.2	OZ	7	5S11E36	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.5	GA	10	5S11E34	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E36	INSECTICIDE
ALMOND	5/20/2008	LAMBDA T	LAMBDA-CYHALOTHRIN	G	64	OZ	20	3S11E36	INSECTICIDE
ALMOND	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	7910.4	OZ	618	5S11E2	INSECTICIDE
PEACH	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	20	4S11E33	INSECTICIDE
ALMOND	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2432	OZ	190	5S11E2	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	30	3S11E36	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	139	5S12E20	INSECTICIDE
ALMOND	5/22/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	200	OZ	20	5S11E36	INSECTICIDE
ALMOND	5/22/2008	ADJOURN INSECTICIDE	ESFENVALERATE	G	400	OZ	40	4S11E23	INSECTICIDE
ALMOND	5/22/2008	ADJOURN INSECTICIDE	ESFENVALERATE	G	400	OZ	40	4S11E23	INSECTICIDE
WALNUT	5/24/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	41.25	LB	55	4S11E25	INSECTICIDE
ALMOND	5/24/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1536	OZ	240	4S11E24	INSECTICIDE
ALMOND	5/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54.4	OZ	17	4S11E16	INSECTICIDE
OP-DEC. TREE	5/26/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
ALMOND	5/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E8	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2340	OZ	390	4S11E24	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2220	OZ	370	4S11E24	INSECTICIDE
ALMOND	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2400	OZ	400	4S11E23	INSECTICIDE
ALMOND	5/27/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8.5	GA	135	5S11E3	INSECTICIDE
PEACH	5/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	2.97	GA	38	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36	OZ	3.6	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	23.2	OZ	2.32	5S11E34	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	230.4	OZ	24	5S11E36	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	643.2	OZ	67	5S11E36	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56	OZ	5.6	5S11E34	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56.6	OZ	5.66	5S11E34	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	480	OZ	50	5S11E35	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	10.5	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	152.5	OZ	15.25	5S11E25	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	102.5	OZ	10.25	5S11E25	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	307.2	OZ	32	5S11E36	INSECTICIDE
ALMOND	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	96	OZ	10	5S11E28	INSECTICIDE
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	180	OZ	18	5S11E34	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	5/28/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	25.6	OZ	2.56	5S11E34	INSECTICIDE
ALMOND	5/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	816	OZ	255	4S12E16	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	139	OZ	13.9	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	132.4	OZ	13.24	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	28.4	OZ	2.84	5S11E36	INSECTICIDE
PEACH	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	16	5S11E36	INSECTICIDE
ALMOND	5/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	960	OZ	300	4S12E20	INSECTICIDE
ALMOND	5/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	40	3S11E36	INSECTICIDE
ALMOND	5/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	464	OZ	145	4S12E27	INSECTICIDE
ALMOND	5/31/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	640	OZ	200	4S12E30	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.5	GA	62.5	4S11E28	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5	GA	202	4S11E16	INSECTICIDE
ALMOND	6/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5.5	GA	235.5	4S11E21	INSECTICIDE
PEACH	6/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	QT	20	5S11E26	INSECTICIDE
ALMOND	6/6/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	70	OZ	20	5S11E3	INSECTICIDE
ALMOND	6/6/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	56	OZ	16	5S11E3	INSECTICIDE
ALMOND	6/7/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	832	OZ	260	4S11E25	INSECTICIDE
ALMOND	6/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	380	OZ	38	5S11E35	INSECTICIDE
ALMOND	6/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	217.6	OZ	34	4S11E16	INSECTICIDE
ALMOND	6/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1125	OZ	375	4S12E30	INSECTICIDE
ALMOND	6/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	20	4S11E16	INSECTICIDE
PEACH PROCESSNG	6/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	192	OZ	80	4S11E23	INSECTICIDE
ALMOND	6/16/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	315	OZ	105	4S12E29	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E8	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E7	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	16	GA	640	4S12E6	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	10	GA	400	4S12E18	INSECTICIDE
ALMOND	6/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	12.5	GA	500	4S12E17	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	6/19/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	10	GA	400	4S11E14	INSECTICIDE
WALNUT	6/21/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	41.25	LB	55	4S11E25	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	256	OZ	32	5S11E26	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	520	OZ	65	5S12E30	INSECTICIDE
PEACH	6/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	176	OZ	22	5S11E36	INSECTICIDE
ALMOND	6/25/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	2000	OZ	200	4S11E13	INSECTICIDE
WALNUT	6/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	8	5S11E27	INSECTICIDE
CORN FOR/FOD	6/26/2008	BIFENTURE	BIFENTHRIN	A	1404	OZ	225	5S12E18	INSECTICIDE
WALNUT	6/27/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	40	OZ	8	5S11E27	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	192	OZ	30	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	358.4	OZ	56	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	588.8	OZ	92	5S11E23	INSECTICIDE
CORN FOR/FOD	6/27/2008	DISCIPLINE CA	BIFENTHRIN	A	108.8	OZ	17	5S11E23	INSECTICIDE
WALNUT	6/29/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	48	OZ	6	5S11E27	INSECTICIDE
ALMOND	6/30/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	960	OZ	120	5S11E1	INSECTICIDE
CORN FOR/FOD	7/1/2008	FANFARE	BIFENTHRIN	G	4.2	GA	89	5S11E22	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/1/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	25.6	OZ	2.56	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	152.5	OZ	15.25	5S11E25	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	105	OZ	10.5	5S11E25	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	180	OZ	18	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	23.2	OZ	2.32	5S11E34	INSECTICIDE
PEACH	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	102.5	OZ	10.25	5S11E25	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	10	5S11E36	INSECTICIDE
PEACH	7/3/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	5S11E35	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/3/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	72	OZ	9	5S12E6	INSECTICIDE
PEACH	7/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	64	OZ	5	5S11E36	INSECTICIDE
ALMOND	7/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	40	LB	80	4S12E27	INSECTICIDE
ALMOND	7/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3700	OZ	370	4S11E24	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	358.4	OZ	56	3S11E36	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	25	3S11E36	INSECTICIDE
WALNUT	7/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	20	3S11E36	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	128	OZ	10	5S11E36	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	204.8	OZ	16	5S11E35	INSECTICIDE
PEACH	7/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	15	5S11E35	INSECTICIDE
ALMOND	7/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	5	QT	50	4S11E25	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	132.4	OZ	13.24	5S11E36	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	28.4	OZ	2.84	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	139	OZ	13.9	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	36	OZ	3.6	5S11E34	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56.6	OZ	5.66	5S11E34	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	160	OZ	16	5S11E36	INSECTICIDE
PEACH	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	56	OZ	5.6	5S11E34	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	15	5S11E25	INSECTICIDE
ALMOND	7/9/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	37.5	LB	75	4S12E33	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	603.97	OZ	94.37	5S12E18	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8	FLOZ	139	5S12E20	INSECTICIDE
ALMOND	7/10/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3840	OZ	480	5S11E1	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1520	OZ	190	5S11E2	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	4944	OZ	618	5S11E2	INSECTICIDE
ALMOND	7/11/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4.49	GA	97	5S11E23	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	4000	OZ	400	4S11E23	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3900	OZ	390	4S11E24	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/11/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	720	OZ	90	5S12E5	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	100	LBS	100	5S11E26	INSECTICIDE
PEACH PROCESSNG	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	99.2	OZ	31	4S11E23	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	100	LB	200	5S11E11	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	5S11E25	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E28	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E28	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	13	LBS	13	5S11E25	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	10	LBS	10	5S11E27	INSECTICIDE
ALMOND	7/12/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	20	LBS	20	5S11E27	INSECTICIDE
ALMOND	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1	GA	11	3S11E36	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/14/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	7/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	65	LB	130	4S12E32	INSECTICIDE
ALMOND	7/15/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	2.5	GA	100	4S11E12	INSECTICIDE
ALMOND	7/15/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	1536	OZ	120	4S11E24	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	24	5S11E35	INSECTICIDE
ALMOND	7/16/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	600	OZ	60	5S11E25	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	200	LB	200	4S12E30	INSECTICIDE
ALMOND	7/16/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	640	LB	640	4S12E8	INSECTICIDE
ALMOND	7/17/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	250	LB	250	4S12E16	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S11E1	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	960	OZ	100	4S11E14	INSECTICIDE
ALMOND	7/17/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	18	GA	200	4S11E13	INSECTICIDE
ALMOND	7/17/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	180	OZ	56	4S11E25	INSECTICIDE
CORN FOR/FOD	7/18/2008	BIFENTURE	BIFENTHRIN	G	1.9	GA	40	5S11E22	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	8.5	LB	17	5S11E17	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	300	LB	300	4S12E20	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	500	LB	500	4S12E21	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	102.5	LB	205	4S11E25	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	145	LB	145	4S12E27	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13	GA	130	4S11E14	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	4	GA	40	4S11E14	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	38	GA	540	4S12E22	INSECTICIDE
ALMOND	7/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	4S11E16	INSECTICIDE
ALMOND	7/18/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	180	OZ	56	4S12E33	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E8	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E7	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	2048	OZ	640	4S12E6	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1280	OZ	400	4S12E18	INSECTICIDE
ALMOND	7/18/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	1600	OZ	500	4S12E17	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	5	GA	100	5S11E10	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.5	GA	70	5S11E15	INSECTICIDE
CORN FOR/FOD	7/19/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	4.25	GA	85	5S11E15	INSECTICIDE
ALMOND	7/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	134	OZ	14	3S11E36	INSECTICIDE
ALMOND	7/20/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	72	OZ	9	5S12E6	INSECTICIDE
ALMOND	7/22/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	645	OZ	215	4S12E29	INSECTICIDE
ALMOND	7/22/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	320	OZ	100	4S11E14	INSECTICIDE
CORN FOR/FOD	7/23/2008	BIFENTURE	BIFENTHRIN	A	2.1	GA	42	5S11E17	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	259.2	OZ	27	3S11E36	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	192	OZ	20	4S12E5	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1920	OZ	200	4S11E23	INSECTICIDE
ALMOND	7/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	4S12E5	INSECTICIDE
CORN FOR/FOD	7/25/2008	SILENCER	LAMBDA-CYHALOTHRIN	A	176	OZ	55	3S11E36	INSECTICIDE
CORN FOR/FOD	7/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	115.2	OZ	12	4S11E34	INSECTICIDE
CORN FOR/FOD	7/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	652.8	OZ	68	4S11E34	INSECTICIDE

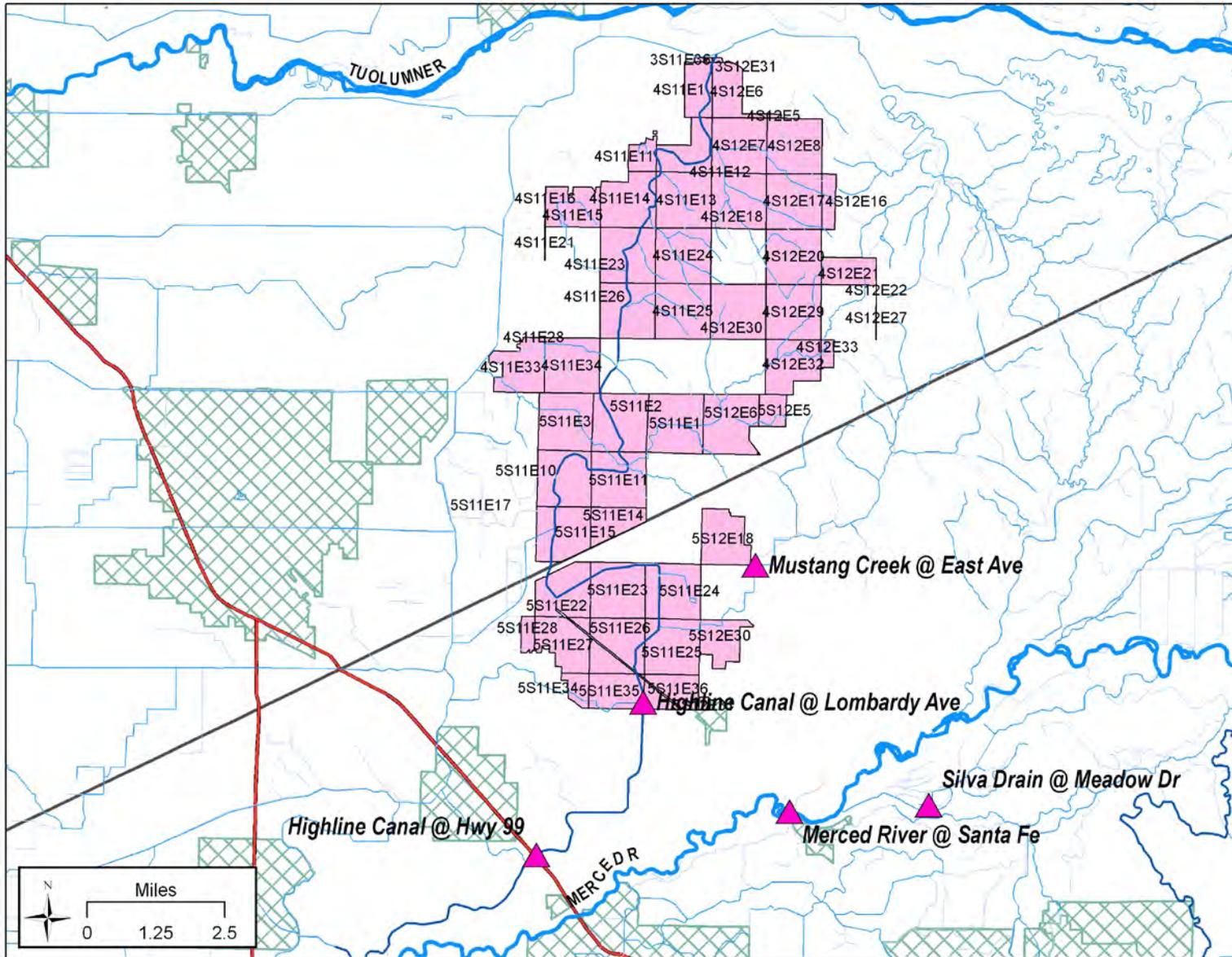
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	832	OZ	130	4S11E33	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	4S11E33	INSECTICIDE
ALMOND	7/28/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	8	GA	346	4S11E16	INSECTICIDE
CORN FOR/FOD	7/28/2008	BIFENTURE	BIFENTHRIN	G	1016.8	OZ	164	5S12E5	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	7/29/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2399.82	GR	37	4S11E15	INSECTICIDE
ALMOND	7/29/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	8.5	GA	351	4S11E21	INSECTICIDE
WALNUT	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	30	3S11E36	INSECTICIDE
ALMOND	7/30/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	384	OZ	40	3S11E36	INSECTICIDE
ALMOND	7/30/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	3	GA	125	4S11E28	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	40.8	OZ	8.5	5S11E27	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	48	OZ	10	5S11E27	INSECTICIDE
WALNUT	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	48	OZ	10	5S11E27	INSECTICIDE
CORN FOR/FOD	7/31/2008	BIFENTURE	BIFENTHRIN	G	5.1	GA	102	5S11E22	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	17.5	LBS	17.52	5S11E36	INSECTICIDE
ALMOND	8/1/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LBS	24.96	5S11E35	INSECTICIDE
CORN FOR/FOD	8/2/2008	BIFENTURE	BIFENTHRIN	G	2.9	GA	58	5S11E22	INSECTICIDE
ALMOND	8/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	54.5	LBS	109	5S12E30	INSECTICIDE
ALMOND	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	17.5	LBS	17.52	5S11E36	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	1.5	GA	30	5S11E24	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	4	GA	80	5S11E24	INSECTICIDE
WALNUT	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	15	LB	15	3S11E36	INSECTICIDE
WALNUT	8/5/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	45	LB	45	3S11E36	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	8/5/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LBS	24.96	5S11E35	INSECTICIDE
WALNUT	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LBS	5	5S11E27	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	25	LB	25	4S12E5	INSECTICIDE
ALMOND	8/8/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	40	LB	40	4S12E5	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/10/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/12/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S11E1	INSECTICIDE
CORN FOR/FOD	8/12/2008	BIFENTURE	BIFENTHRIN	A	1209.6	OZ	189	5S11E10	INSECTICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3	GA	30	4S12E8	INSECTICIDE
ALMOND	8/15/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	3840	OZ	480	5S11E1	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/17/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	A	2775	GR	37	4S11E15	INSECTICIDE
ALMOND	8/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	61	OZ	16	5S11E3	INSECTICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/19/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/20/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
WALNUT	8/24/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	5	LBS	10	5S11E26	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2701	GR	37	4S11E15	INSECTICIDE
OP-DEC. TREE	8/27/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2775	GR	37	4S11E15	INSECTICIDE
WALNUT	9/4/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	48	OZ	8	5S11E27	INSECTICIDE
OP-DEC. TREE	9/4/2008	FARMSAVER.COM ABBA 0.15 EC	ABAMECTIN	G	4.63	GA	37	4S11E15	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
OP-DEC. TREE	9/4/2008	FARMSAVER.COM ABBA 0.15 EC	ABAMECTIN	G	4.63	GA	37	4S11E15	INSECTICIDE
ALMOND	9/4/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	70	PT	28	4S11E26	HERBICIDE
OP-DEC. TREE	9/5/2008	FARMSAVER.COM ABBA 0.15 EC	ABAMECTIN	G	4.59	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	9/5/2008	FARMSAVER.COM ABBA 0.15 EC	ABAMECTIN	G	4.59	GA	37	4S11E15	INSECTICIDE
WALNUT	9/6/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	36	OZ	6	5S11E27	INSECTICIDE
ALMOND	9/6/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.5	GA	25	5S11E34	HERBICIDE
ALMOND	9/6/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	PT	10	3S12E31	FUNGICIDE
ALMOND	9/6/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	30	PT	10	3S12E31	HERBICIDE
CORN FOR/FOD	9/6/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	867	OZ	102	5S11E22	INSECTICIDE
CORN FOR/FOD	9/6/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	493	OZ	58	5S11E22	INSECTICIDE
OP-DEC. TREE	9/9/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.87	GA	37	4S11E15	INSECTICIDE
WALNUT	9/9/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	16	QT	10	5S11E27	INSECTICIDE
ALMOND	9/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	600	PT	200	4S12E30	HERBICIDE
ALMOND	9/11/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	40	PT	32	4S11E26	HERBICIDE
OP-DEC. TREE	9/16/2008	EXPONENT INSECTICIDE SYNERGIST	PIPERONYL BUTOXIDE	G	0.84	GA	37	4S11E15	INSECTICIDE
OP-DEC. TREE	9/16/2008	DECATHLON 20WP GREENHOUSE AND NURSERY IN	CYFLUTHRIN	G	2699.89	GR	37	4S11E15	INSECTICIDE
GRAPE, WINE	9/16/2008	LORSBAN 4E-HF	CHLORPYRIFOS	G	80	GA	160	4S12E27	INSECTICIDE
ALMOND	9/23/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1500	PT	500	4S12E21	HERBICIDE
ALMOND	9/24/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	131.4	PT	90	4S12E30	FUNGICIDE
ALMOND	9/24/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	131.4	PT	90	4S12E30	HERBICIDE
ALMOND	9/24/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	65	PT	26	4S11E11	HERBICIDE
ALMOND	9/25/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	109.5	PT	75	4S12E29	FUNGICIDE
ALMOND	9/25/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	109.5	PT	75	4S12E29	HERBICIDE
WALNUT	9/27/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	523.64	OZ	30	5S12E31	HERBICIDE
ALMOND	9/27/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	16.25	GA	65	5S11E14	HERBICIDE
OP-DEC. TREE	9/29/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	9	LB	12	4S11E15	FUNGICIDE
OP-DEC. TREE	9/30/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	15	LB	20	4S11E15	FUNGICIDE
OP-DEC. TREE	9/30/2008	PRISTINE FUNGICIDE	PYRACLOSTROBIN	G	14.25	LB	19	4S11E15	FUNGICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	10/1/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	75	GA	400	4S11E14	HERBICIDE

Figure 61. Location of pesticide use for Highline Canal @ Lombardy Rd – Irrigation 5 SED RS



***Hilmar Drain @ Central Ave***

**Pesticide Use Reports for pesticide exceedances in the water column**

**Irrigation 1 (4/29/08) – diuron exceedance.**

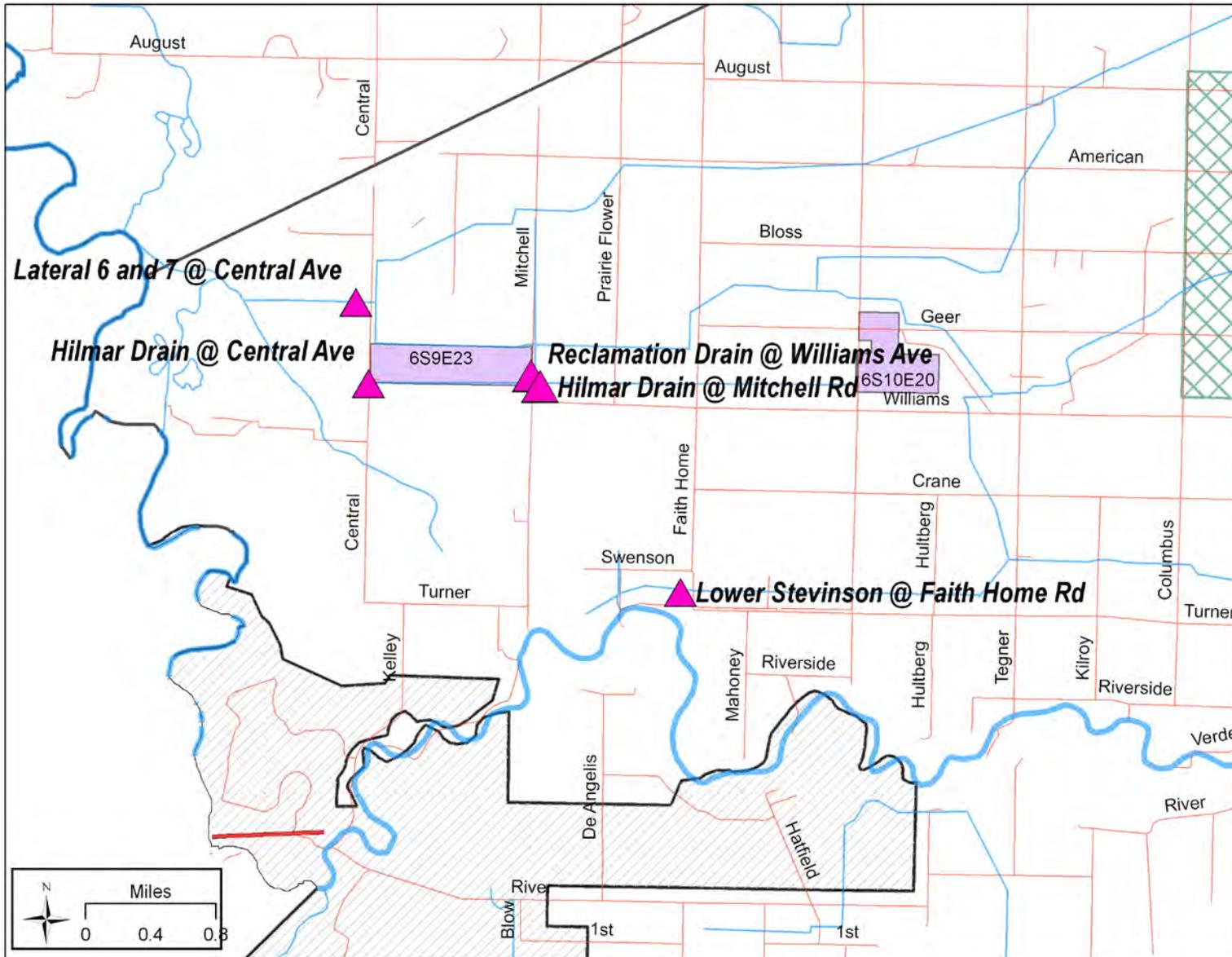
No reported use within four weeks prior to the exceedance. The last reported application occurred on February 7, 2008.

**Pesticide Use Reports for toxicity in the water column**

**Irrigation 1 (4/22/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	22.5	LBS	15	6S10E20	FUNGICIDE
ALMOND	3/12/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LBS	10	6S10E20	FUNGICIDE
ALMOND	3/13/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	11.25	LBS	15	6S10E20	FUNGICIDE
OAT FOR/FOD	3/29/2008	SHARK EW	CARFENTRAZONE-ETHYL	A	0.49	GA	50	6S9E23	HERBICIDE
OAT FOR/FOD	3/29/2008	NUFARM RHOMENE MCPA BROADLEAF HERBICIDE	MCPA, DIMETHYLAMINE SALT	A	4.69	GA	50	6S9E23	HERBICIDE

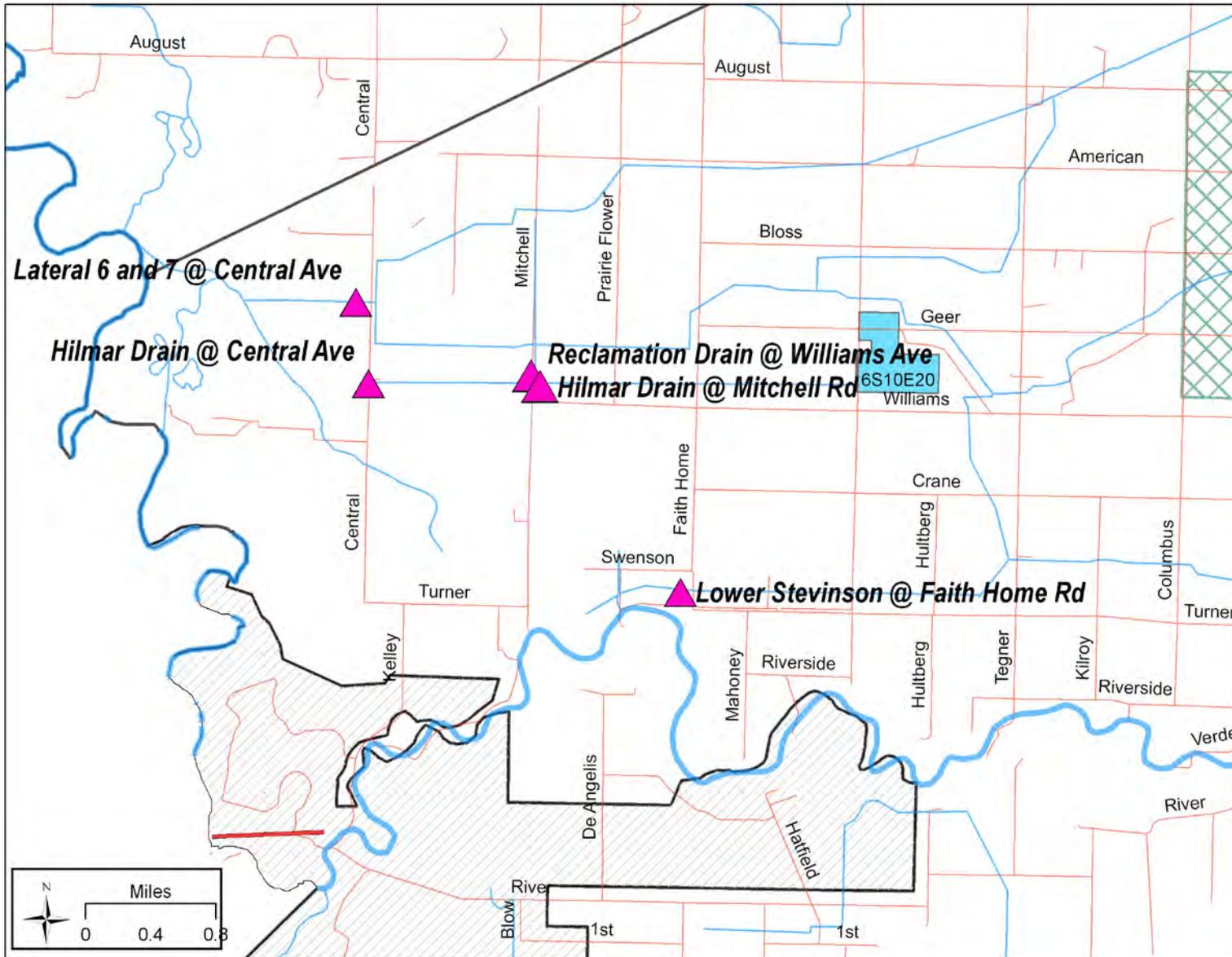
Figure 62. Location of pesticide use for Hilmar Drain @ Central Ave – Irrigation 1



**Irrigation 1 RS (4/29/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	22.5	LBS	15	6S10E20	FUNGICIDE
ALMOND	3/12/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	7.5	LBS	10	6S10E20	FUNGICIDE
ALMOND	3/13/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	11.25	LBS	15	6S10E20	FUNGICIDE
ALMOND	4/24/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	40	PT	20	6S10E20	HERBICIDE
ALMOND	4/24/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	40	PT	20	6S10E20	HERBICIDE

Figure 63. Location of pesticide use for Hilmar Drain @ Central Ave – Irrigation 1 RS

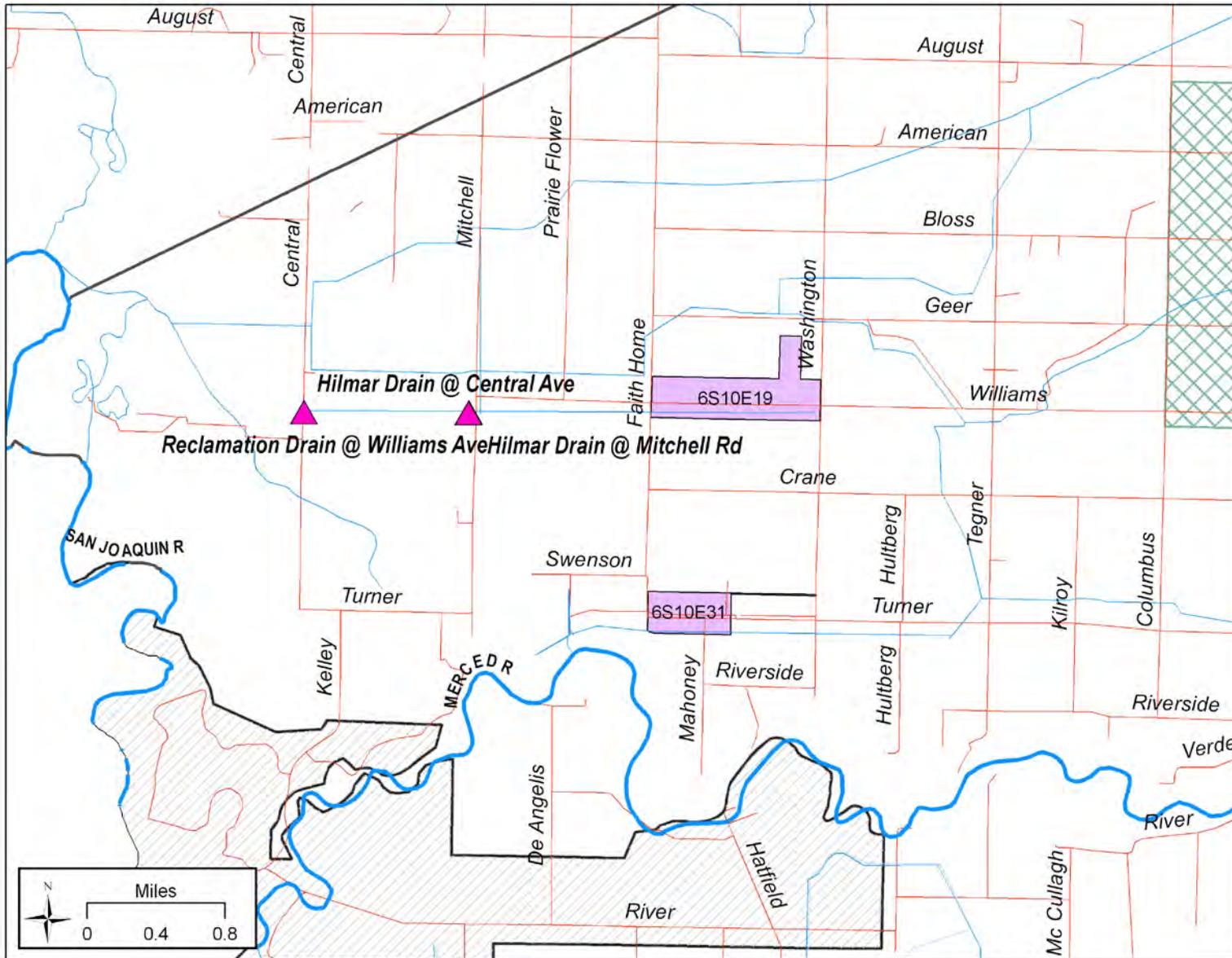


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**Irrigation 6 (9/23/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.22	GA	21	6S10E31	HERBICIDE
SUDANGRASS	9/20/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	4	GA	55	6S10E19	HERBICIDE

Figure 64. Location of pesticide use for Hilmar Drain @ Central Ave – Irrigation 6



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**Irrigation 6 RS (9/30/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.22	GA	21	6S10E31	HERBICIDE
SUDANGRASS	9/20/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	4	GA	55	6S10E19	HERBICIDE

Figure 65. Location of pesticide use for Hilmar Drain @ Central Ave – Irrigation 6 RS



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## Pesticide Use Reports for sediment toxicity

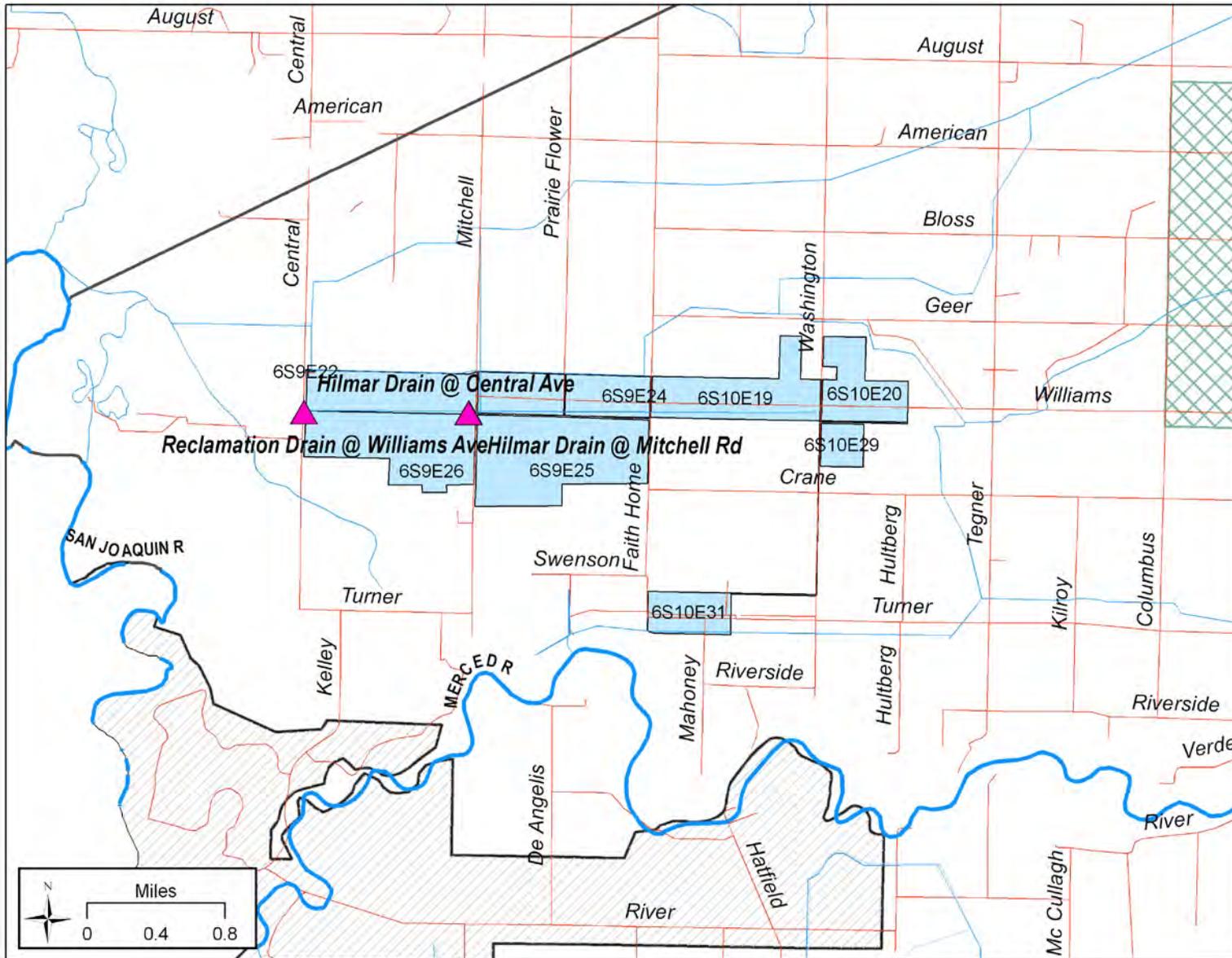
### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/11/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	2.4	GA	80	6S9E26	INSECTICIDE
ALFALFA	3/11/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.5	GA	17	6S10E31	INSECTICIDE
ALFALFA	3/11/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.65	GA	22	6S10E31	INSECTICIDE
ALFALFA	3/11/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.9	GA	30	6S10E31	INSECTICIDE
ALFALFA	3/11/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.9	GA	29	6S10E31	INSECTICIDE
ALFALFA	3/12/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.2	GA	40	6S9E25	INSECTICIDE
ALFALFA	3/14/2008	LAMBDA-CY EC INSECTICIDE-RUP	lambda-cyhalothrin	G	3.9	GA	130	6S9E35	INSECTICIDE
ALFALFA	3/14/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.2	GA	43	6S10E31	INSECTICIDE
ALFALFA	3/19/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	95	OZ	25	6S10E31	INSECTICIDE
ALFALFA	3/19/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.2	GA	40	6S10E31	INSECTICIDE
CORN FOR/FOD	5/2/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.89	GA	20	6S10E19	INSECTICIDE
CORN FOR/FOD	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	20	6S10E19	INSECTICIDE
CORN FOR/FOD	6/3/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.19	GA	40	6S10E19	INSECTICIDE
CORN FOR/FOD	6/13/2008	FANFARE	BIFENTHRIN	G	3	GA	55	6S10E19	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	1	GA	20	6S10E19	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	2	GA	40	6S10E20	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	64	OZ	10	6S10E19	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	2	GA	40	6S9E24	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	64	OZ	10	6S10E20	INSECTICIDE
CORN FOR/FOD	7/4/2008	BIFENTURE	BIFENTHRIN	A	352	FLOZ	55	6S9E36	INSECTICIDE
CORN FOR/FOD	7/7/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	G	0.6	GA	12	6S9E26	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	1.69	GA	36	6S10E29	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	1.88	GA	40	6S10E29	INSECTICIDE
ALMOND	7/7/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	12.6	LBS	14	6S10E20	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	320	OZ	50	6S9E35	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	128	OZ	20	6S9E35	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	172.8	OZ	27	6S9E26	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	268.8	OZ	42	6S9E26	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	435.2	OZ	68	6S9E26	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	352	OZ	55	6S9E27	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	204.8	OZ	32	6S9E27	INSECTICIDE
ALMOND	7/14/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	35	LBS	35	6S10E20	INSECTICIDE
CORN FOR/FOD	7/15/2008	BIFENTURE	BIFENTHRIN	G	0.85	GA	17	6S9E24	INSECTICIDE
CORN FOR/FOD	7/18/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	G	0.9	GA	18	6S9E24	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	7.5	LBS	15	6S10E20	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	0.9	GA	19	6S10E20	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	0.71	GA	15	6S10E20	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	1.62	GA	34	6S10E20	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	128	OZ	20	6S9E22	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	128	OZ	20	6S9E22	INSECTICIDE
CORN FOR/FOD	7/28/2008	BIFENTURE	BIFENTHRIN	A	640	OZ	100	6S9E23	INSECTICIDE
CORN FOR/FOD	7/29/2008	NUFOS 4E	CHLORPYRIFOS	A	960	OZ	60	6S9E26	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	102	OZ	12	6S9E26	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	297.5	OZ	35	6S9E26	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	144.5	OZ	17	6S10E31	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	170	OZ	20	6S10E31	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	110.5	OZ	13	6S10E31	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	161.5	OZ	19	6S10E31	INSECTICIDE
CORN FOR/FOD	8/2/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	127.5	OZ	15	6S10E31	INSECTICIDE
CORN FOR/FOD	8/5/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	G	4.45	GA	67	6S9E36	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	G	3.35	GA	67	6S9E36	INSECTICIDE
CORN FOR/FOD	8/5/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	G	3.85	GA	58	6S10E31	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	G	2.9	GA	58	6S10E31	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	6S10E19	INSECTICIDE
CORN FOR/FOD	8/5/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	G	5.84	GA	88	6S10E31	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	G	4.4	GA	88	6S10E31	INSECTICIDE
ALMOND	8/6/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	48	PT	20	6S10E20	HERBICIDE
ALMOND	8/6/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	20	PT	20	6S10E20	HERBICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E27	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E27	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E35	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	32	OZ	5	6S9E35	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	32	OZ	5	6S9E26	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E26	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E26	INSECTICIDE
CORN FOR/FOD	8/15/2008	COMITE	PROPARGITE	A	12.75	GA	34	6S10E20	INSECTICIDE
CORN FOR/FOD	8/15/2008	COMITE	PROPARGITE	A	3.38	GA	9	6S10E20	INSECTICIDE
CORN FOR/FOD	8/18/2008	COMITE	PROPARGITE	A	9.84	GA	35	6S10E29	INSECTICIDE
CORN FOR/FOD	8/19/2008	BIFENTURE	BIFENTHRIN	A	352	OZ	55	6S9E36	INSECTICIDE
CORN FOR/FOD	8/19/2008	BIFENTURE	BIFENTHRIN	A	672	OZ	105	6S9E25	INSECTICIDE
CORN FOR/FOD	8/19/2008	BIFENTURE	BIFENTHRIN	A	448	OZ	70	6S9E24	INSECTICIDE
ALFALFA	8/21/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	10.75	GA	43	6S10E31	INSECTICIDE
ALFALFA	8/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.22	GA	21	6S10E31	HERBICIDE
ALFALFA	8/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.22	GA	21	6S10E31	FUNGICIDE
CORN FOR/FOD	8/25/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	224	OZ	28	6S9E26	INSECTICIDE
CORN FOR/FOD	8/25/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	160	OZ	20	6S9E27	INSECTICIDE

Figure 66. Location of pesticide use for Hilmar Drain @ Central Ave – Irrigation 5 SED



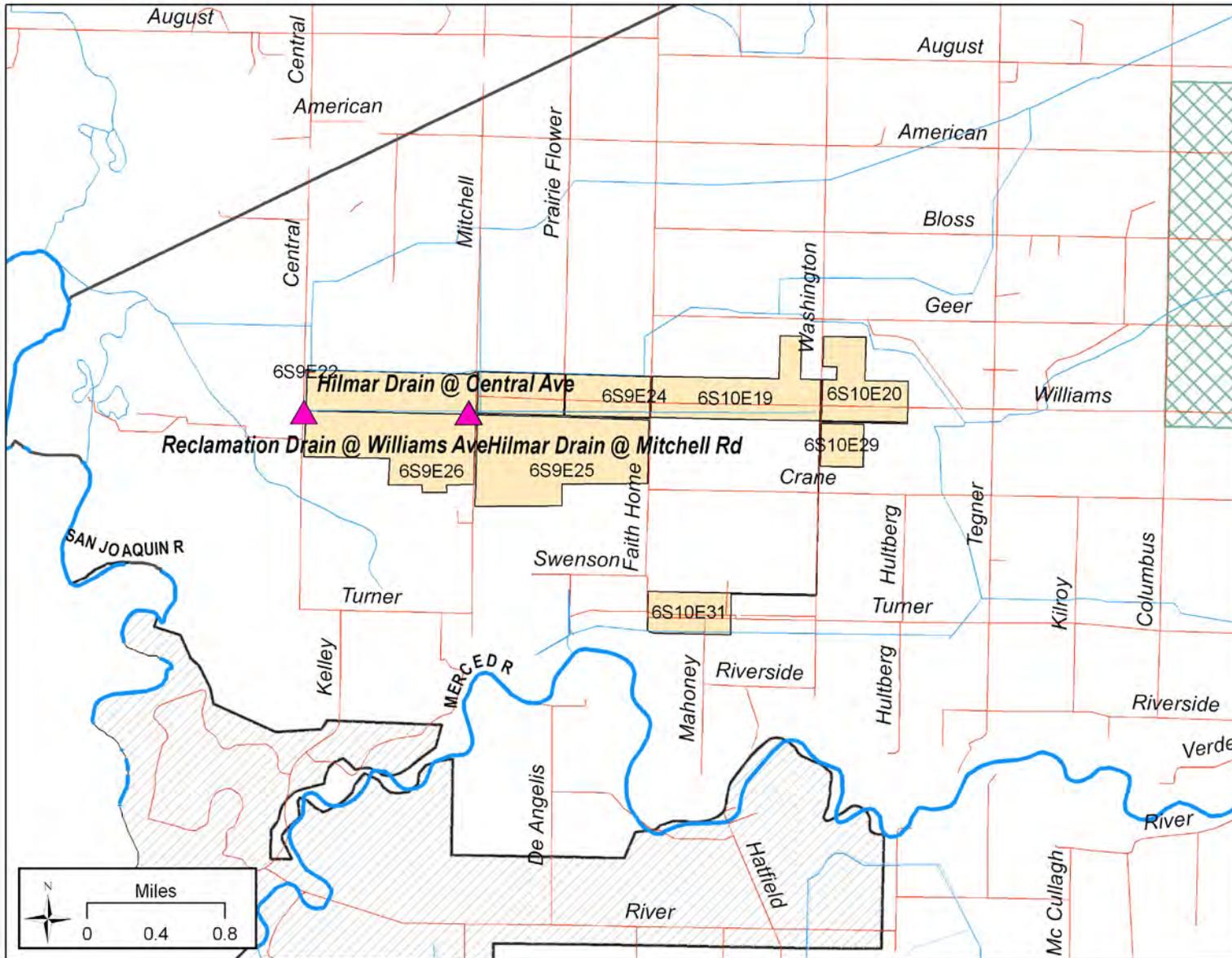
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**Irrigation 5 RS (10/2/08) – *Hyalella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	5/2/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.89	GA	20	6S10E19	INSECTICIDE
CORN FOR/FOD	5/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1.5	GA	20	6S10E19	INSECTICIDE
CORN FOR/FOD	6/3/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.19	GA	40	6S10E19	INSECTICIDE
CORN FOR/FOD	6/13/2008	FANFARE	BIFENTHRIN	G	3	GA	55	6S10E19	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	1	GA	20	6S10E19	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	2	GA	40	6S10E20	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	64	OZ	10	6S10E19	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	2	GA	40	6S9E24	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	G	64	OZ	10	6S10E20	INSECTICIDE
CORN FOR/FOD	7/4/2008	BIFENTURE	BIFENTHRIN	A	352	FLOZ	55	6S9E36	INSECTICIDE
CORN FOR/FOD	7/7/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	G	0.6	GA	12	6S9E26	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	1.69	GA	36	6S10E29	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	1.88	GA	40	6S10E29	INSECTICIDE
ALMOND	7/7/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	12.6	LBS	14	6S10E20	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	320	OZ	50	6S9E35	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	128	OZ	20	6S9E35	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	172.8	OZ	27	6S9E26	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	268.8	OZ	42	6S9E26	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	435.2	OZ	68	6S9E26	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	352	OZ	55	6S9E27	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	204.8	OZ	32	6S9E27	INSECTICIDE
ALMOND	7/14/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	35	LBS	35	6S10E20	INSECTICIDE
CORN FOR/FOD	7/15/2008	BIFENTURE	BIFENTHRIN	G	0.85	GA	17	6S9E24	INSECTICIDE
CORN FOR/FOD	7/18/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	G	0.9	GA	18	6S9E24	INSECTICIDE
ALMOND	7/18/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	7.5	LBS	15	6S10E20	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	0.9	GA	19	6S10E20	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	0.71	GA	15	6S10E20	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	1.62	GA	34	6S10E20	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	128	OZ	20	6S9E22	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	128	OZ	20	6S9E22	INSECTICIDE
CORN FOR/FOD	7/28/2008	BIFENTURE	BIFENTHRIN	A	640	OZ	100	6S9E23	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	G	3.35	GA	67	6S9E36	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	G	2.9	GA	58	6S10E31	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	6S10E19	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	G	4.4	GA	88	6S10E31	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E27	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E27	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E35	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	32	OZ	5	6S9E35	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	32	OZ	5	6S9E26	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E26	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	64	OZ	10	6S9E26	INSECTICIDE
CORN FOR/FOD	8/19/2008	BIFENTURE	BIFENTHRIN	A	352	OZ	55	6S9E36	INSECTICIDE
CORN FOR/FOD	8/19/2008	BIFENTURE	BIFENTHRIN	A	672	OZ	105	6S9E25	INSECTICIDE
CORN FOR/FOD	8/19/2008	BIFENTURE	BIFENTHRIN	A	448	OZ	70	6S9E24	INSECTICIDE
CORN FOR/FOD	9/7/2008	COMITE	PROPARGITE	A	4	PT	2	6S9E35	INSECTICIDE
CORN FOR/FOD	9/7/2008	COMITE	PROPARGITE	A	16	PT	8	6S9E35	INSECTICIDE
CORN FOR/FOD	9/7/2008	COMITE	PROPARGITE	A	4	PT	2	6S9E35	INSECTICIDE

Figure 67. . Location of pesticide use for Hilmar Drain @ Central Ave – Irrigation 5 SED RS



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**Hilmar Drain @ Mitchell Rd**

**Pesticide Use Reports for toxicity in the water column**

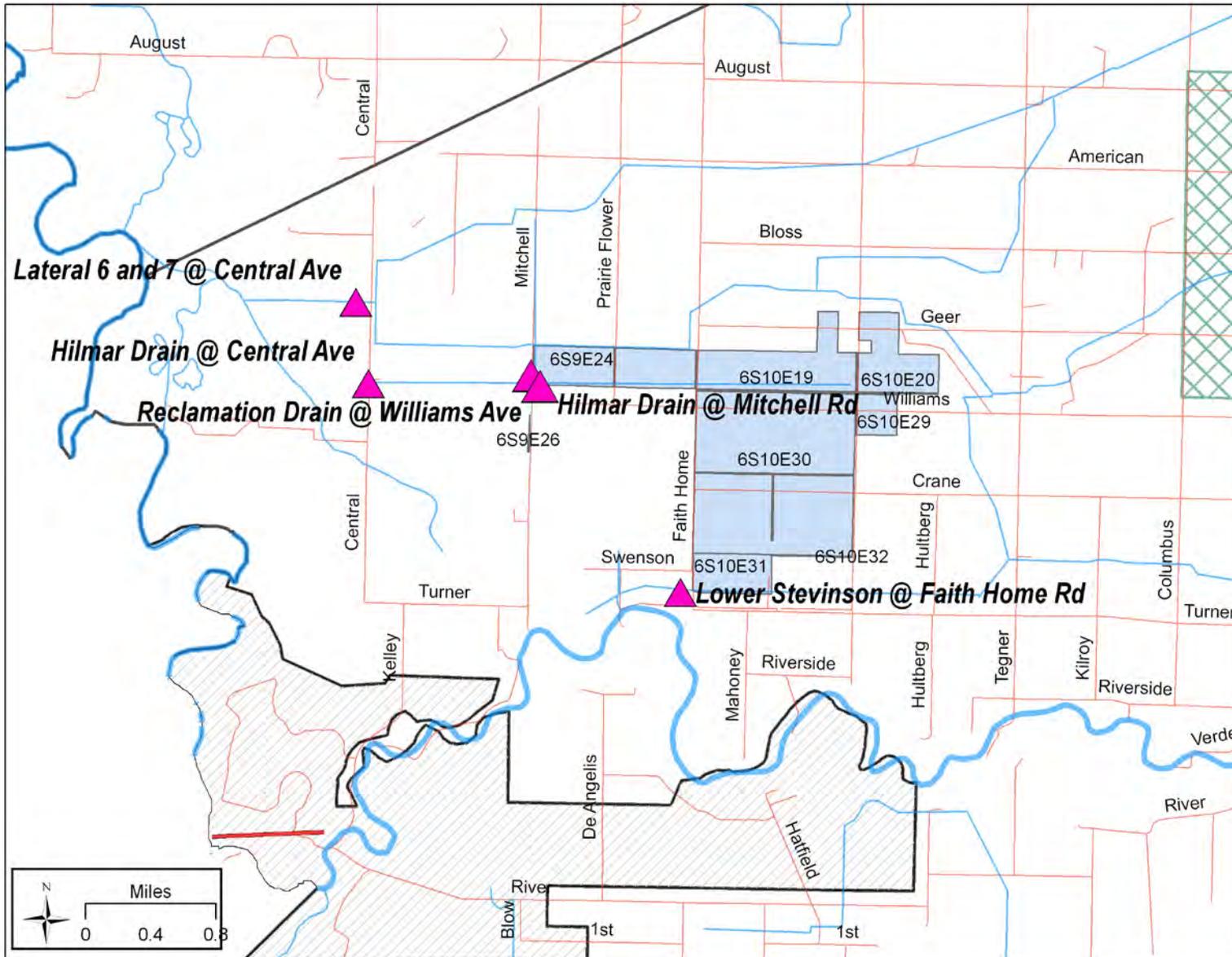
**Irrigation 4 MPM (7/22/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	6/24/2008	ALECTO 41S	GLYPHOSATE	G	1	QT	4	6S10E20	HERBICIDE
CORN FOR/FOD	6/24/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.75	GA	142	6S10E30	HERBICIDE
ALMOND	6/24/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	16	OZ	4	6S10E20	HERBICIDE
CORN FOR/FOD	6/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	24.4	GA	130	6S10E30	HERBICIDE
CORN FOR/FOD	6/25/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	17	OZ	34	6S10E20	HERBICIDE
CORN FOR/FOD	6/25/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8.5	GA	34	6S10E20	HERBICIDE
CORN FOR/FOD	6/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	28.1	GA	150	6S10E30	HERBICIDE
CORN FOR/FOD	6/25/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	22.7	GA	145	6S9E24	HERBICIDE
CORN FOR/FOD	6/25/2008	ALECTO 41S	GLYPHOSATE	G	9	GA	36	6S10E32	HERBICIDE
CORN FOR/FOD	6/26/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	5	GA	20	6S10E20	HERBICIDE
ALMOND	6/26/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	26	6S10E20	HERBICIDE
ALMOND	6/26/2008	NUFARM ORCHARD CLEAN 4L BROADLEAF HERBIC	2,4-D, DIMETHYLAMINE SALT	G	10	GA	26	6S10E20	HERBICIDE
CORN FOR/FOD	6/27/2008	DUPONT STEADFAST HERBICIDE	NICOSULFURON	G	26	OZ	35	6S10E29	HERBICIDE
CORN FOR/FOD	6/27/2008	DUPONT STEADFAST HERBICIDE	RIMSULFURON	G	26	OZ	35	6S10E29	HERBICIDE
CORN FOR/FOD	6/27/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.25	GA	13	6S10E20	HERBICIDE
CORN FOR/FOD	6/27/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9.4	GA	75	6S10E32	HERBICIDE
CORN FOR/FOD	6/27/2008	YUKON	HALOSULFURON-METHYL	G	28	LBS	75	6S10E32	HERBICIDE
CORN FOR/FOD	6/27/2008	YUKON	DICAMBA, SODIUM SALT	G	28	LBS	75	6S10E32	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	6/30/2008	YUKON	DICAMBA, SODIUM SALT	G	6.75	LBS	18	6S10E29	HERBICIDE
CORN FOR/FOD	6/30/2008	YUKON	HALOSULFURON-METHYL	G	6.75	LBS	18	6S10E29	HERBICIDE
CORN FOR/FOD	6/30/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	2.25	GA	18	6S10E29	HERBICIDE
CORN FOR/FOD	7/2/2008	YUKON	HALOSULFURON-METHYL	G	6.25	LBS	18	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.5	GA	18	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	YUKON	DICAMBA, SODIUM SALT	G	6.25	LBS	18	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	YUKON	HALOSULFURON-METHYL	G	8.5	LBS	17	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	YUKON	DICAMBA, SODIUM SALT	G	8.5	LBS	17	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.25	GA	17	6S9E24	HERBICIDE
CORN FOR/FOD	7/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.6	GA	40	6S9E24	HERBICIDE
CORN FOR/FOD	7/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	11.6	GA	60	6S10E20	HERBICIDE
CORN FOR/FOD	7/3/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	2.25	GA	36	6S10E20	HERBICIDE
CORN FOR/FOD	7/3/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	2.2	GA	40	6S9E24	HERBICIDE
CORN FOR/FOD	7/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.9	GA	36	6S10E20	HERBICIDE
CORN FOR/FOD	7/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1.9	GA	12	6S10E19	HERBICIDE
CORN FOR/FOD	7/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	5.6	GA	35.9	6S10E19	HERBICIDE
CORN FOR/FOD	7/6/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.3	GA	38	6S10E20	HERBICIDE
CORN FOR/FOD	7/7/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.13	GA	38	6S9E24	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8.7	GA	35	6S9E26	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	6S10E31	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.75	GA	19	6S10E31	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3	GA	12	6S9E26	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.25	GA	17	6S10E31	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.9	GA	15	6S10E31	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.25	GA	13	6S10E31	HERBICIDE
CORN FOR/FOD	7/8/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	10.9	GA	70	6S10E19	HERBICIDE
CORN FOR/FOD	7/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	14.25	GA	57	6S10E31	HERBICIDE
CORN FOR/FOD	7/11/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	2.85	GA	57	6S10E31	HERBICIDE
CORN FOR/FOD	7/11/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	4.5	GA	90	6S10E31	HERBICIDE
CORN FOR/FOD	7/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	22.5	GA	90	6S10E31	HERBICIDE
ALMOND	7/12/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	20.21	PT	20	6S10E20	HERBICIDE
CORN FOR/FOD	7/13/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.25	GA	138	6S10E30	HERBICIDE
CORN FOR/FOD	7/14/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.8	GA	25	6S10E32	HERBICIDE
CORN FOR/FOD	7/14/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8.1	GA	26	6S10E32	HERBICIDE
CORN FOR/FOD	7/14/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	18.1	GA	58	6S10E32	HERBICIDE
CORN FOR/FOD	7/17/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	2.8	GA	18	6S10E29	HERBICIDE
CORN FOR/FOD	7/17/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	6400	OZ	200	6S10E30	HERBICIDE
CORN FOR/FOD	7/18/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.5	GA	18	6S9E24	HERBICIDE
ALFALFA	7/19/2008	POAST	SETHOXYDIM	G	18.75	GA	60	6S9E26	HERBICIDE
CORN FOR/FOD	7/21/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	2.5	GA	10	6S10E20	HERBICIDE
CORN FOR/FOD	7/22/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	19.6	QT	13	6S10E20	HERBICIDE

Figure 68. Location of pesticide use for Hilmar Drain @ Mitchell Rd – Irrigation 4 MPM



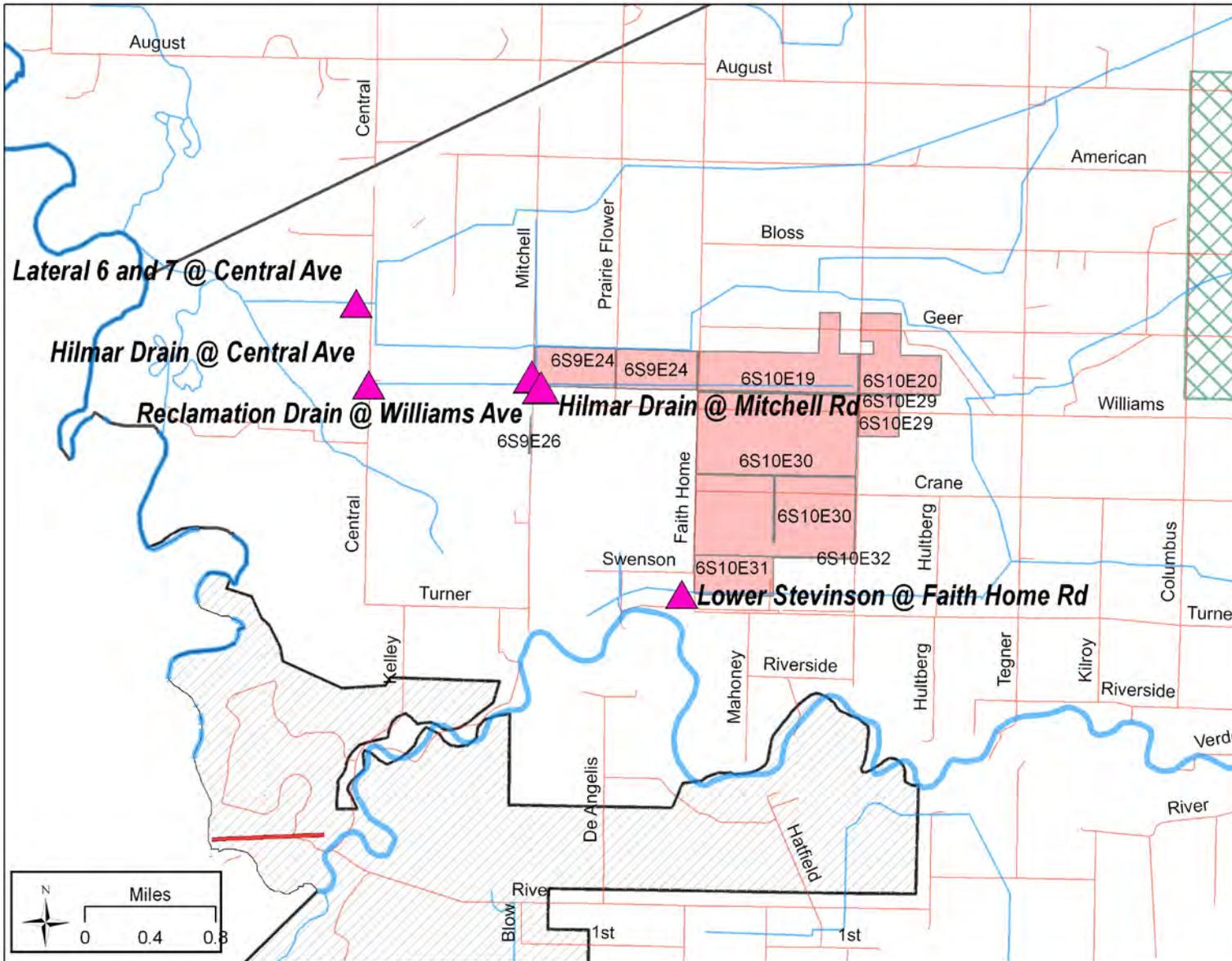
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**Irrigation 4 MPM RS (7/29/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/2/2008	YUKON	HALOSULFURON-METHYL	G	6.25	LBS	18	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.5	GA	18	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	YUKON	DICAMBA, SODIUM SALT	G	6.25	LBS	18	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	YUKON	HALOSULFURON-METHYL	G	8.5	LBS	17	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	YUKON	DICAMBA, SODIUM SALT	G	8.5	LBS	17	6S9E24	HERBICIDE
CORN FOR/FOD	7/2/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.25	GA	17	6S9E24	HERBICIDE
CORN FOR/FOD	7/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.6	GA	40	6S9E24	HERBICIDE
CORN FOR/FOD	7/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	11.6	GA	60	6S10E20	HERBICIDE
CORN FOR/FOD	7/3/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	2.25	GA	36	6S10E20	HERBICIDE
CORN FOR/FOD	7/3/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	2.2	GA	40	6S9E24	HERBICIDE
CORN FOR/FOD	7/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.9	GA	36	6S10E20	HERBICIDE
CORN FOR/FOD	7/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1.9	GA	12	6S10E19	HERBICIDE
CORN FOR/FOD	7/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	5.6	GA	35.9	6S10E19	HERBICIDE
CORN FOR/FOD	7/6/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	8.3	GA	38	6S10E20	HERBICIDE
CORN FOR/FOD	7/7/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.13	GA	38	6S9E24	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8.7	GA	35	6S9E26	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	20	6S10E31	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.75	GA	19	6S10E31	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3	GA	12	6S9E26	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.25	GA	17	6S10E31	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.9	GA	15	6S10E31	HERBICIDE
CORN FOR/FOD	7/7/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.25	GA	13	6S10E31	HERBICIDE
CORN FOR/FOD	7/8/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	10.9	GA	70	6S10E19	HERBICIDE
CORN FOR/FOD	7/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	14.25	GA	57	6S10E31	HERBICIDE
CORN FOR/FOD	7/11/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	2.85	GA	57	6S10E31	HERBICIDE
CORN FOR/FOD	7/11/2008	CLARITY HERBICIDE	DIGLYCOLAMINE SALT OF 3,6-DICHLORO-O-ANISIC ACID	G	4.5	GA	90	6S10E31	HERBICIDE
CORN FOR/FOD	7/11/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	22.5	GA	90	6S10E31	HERBICIDE
ALMOND	7/12/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	20.21	PT	20	6S10E20	HERBICIDE
CORN FOR/FOD	7/13/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	17.25	GA	138	6S10E30	HERBICIDE
CORN FOR/FOD	7/14/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.8	GA	25	6S10E32	HERBICIDE
CORN FOR/FOD	7/14/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8.1	GA	26	6S10E32	HERBICIDE
CORN FOR/FOD	7/14/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	18.1	GA	58	6S10E32	HERBICIDE
CORN FOR/FOD	7/17/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	2.8	GA	18	6S10E29	HERBICIDE
CORN FOR/FOD	7/17/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	6400	OZ	200	6S10E30	HERBICIDE
CORN FOR/FOD	7/18/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.5	GA	18	6S9E24	HERBICIDE
ALFALFA	7/19/2008	POAST	SETHOXYDIM	G	18.75	GA	60	6S9E26	HERBICIDE
CORN FOR/FOD	7/21/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	2.5	GA	10	6S10E20	HERBICIDE
CORN FOR/FOD	7/22/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	19.6	QT	13	6S10E20	HERBICIDE
CORN FOR/FOD	7/23/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	10.2	GA	65	6S10E31	HERBICIDE
CORN FOR/FOD	7/23/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	9.7	GA	62	6S9E24	HERBICIDE
CORN FOR/FOD	7/23/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	5.3	GA	34	6S9E24	HERBICIDE

Figure 69. Location of pesticide use for Hilmar Drain @ Mitchell Rd – Irrigation 4 RS



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## ***Livingston Drain @ Robin Ave***

### **Pesticide Use Reports for pesticide exceedances in the water column**

#### **Irrigation 3 (6/17/08) – chlorpyrifos exceedance.**

Pesticide applications within eight weeks prior to the exceedance are shown.

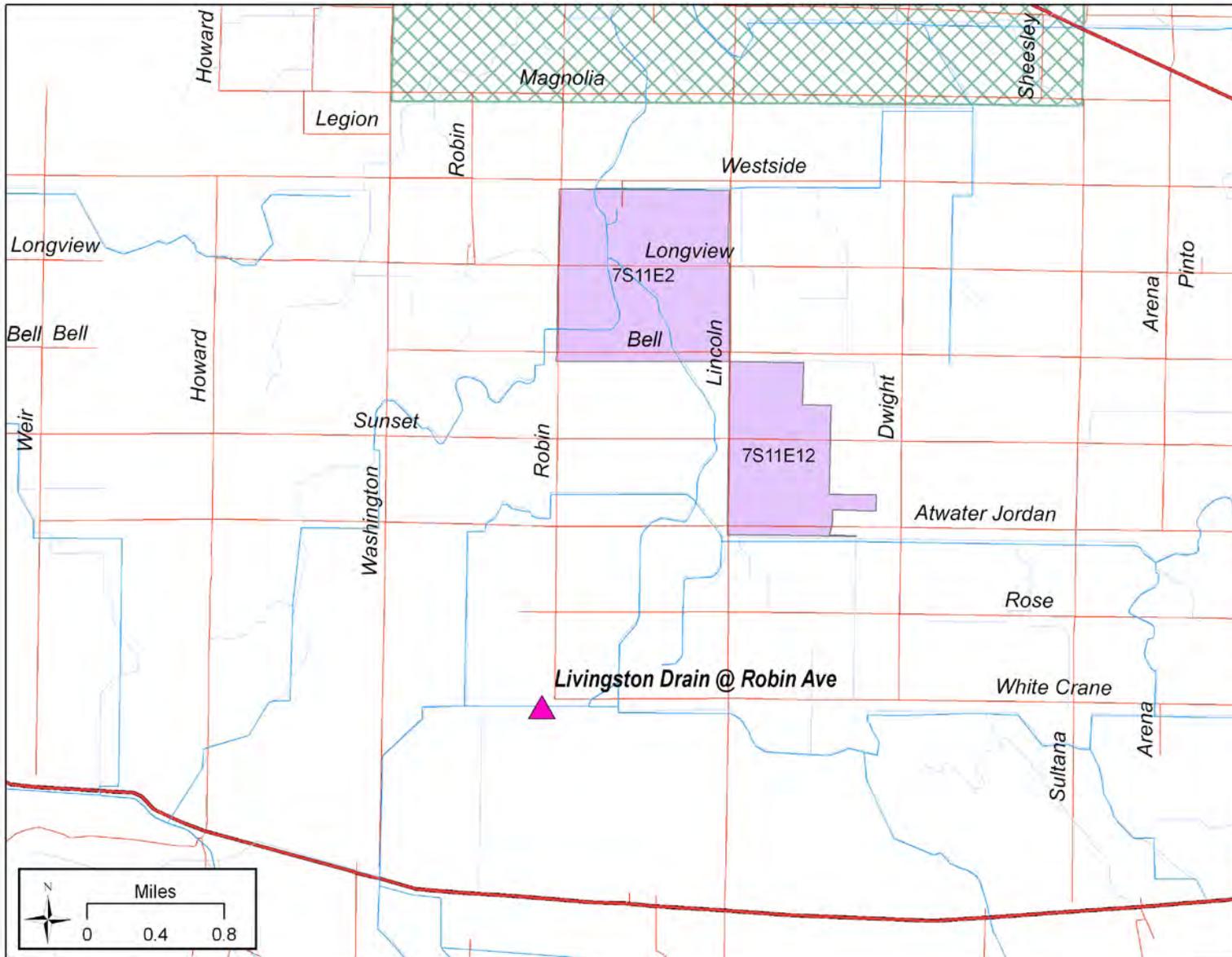
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
SWEET POTATO	5/1/2008	LORSBAN 15G GRANULAR INSECTICIDE	CHLORPYRIFOS	G	675	LBS	50	7S11E2	INSECTICIDE
SWEET POTATO	5/3/2008	LORSBAN 15G GRANULAR INSECTICIDE	CHLORPYRIFOS	G	121.5	LBS	9	7S11E2	INSECTICIDE
SWEET POTATO	5/6/2008	LORSBAN 15G GRANULAR INSECTICIDE	CHLORPYRIFOS	G	148.5	LBS	11	7S11E3	INSECTICIDE
SWEET POTATO	5/14/2008	LORSBAN 15G GRANULAR INSECTICIDE	CHLORPYRIFOS	G	445.5	LBS	33	7S11E13	INSECTICIDE
SWEET POTATO	5/16/2008	LORSBAN 15G GRANULAR INSECTICIDE	CHLORPYRIFOS	G	391.5	LBS	29	6S11E34	INSECTICIDE
SWEET POTATO	5/19/2008	LORSBAN 15G GRANULAR INSECTICIDE	CHLORPYRIFOS	G	513	LBS	38	6S11E34	INSECTICIDE
SWEET POTATO	5/20/2008	LORSBAN 15G GRANULAR INSECTICIDE	CHLORPYRIFOS	G	249.75	LBS	18.7	6S11E35	INSECTICIDE
SWEET POTATO	6/12/2008	LORSBAN 15G GRANULAR INSECTICIDE	CHLORPYRIFOS	G	108	LBS	8	6S11E35	INSECTICIDE



**Irrigation 4 (7/22/08) – chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/9/2008	LORSBAN-4E	CHLORPYRIFOS	G	1152	OZ	18	7S11E12	INSECTICIDE
ALMOND	7/18/2008	LORSBAN-4E	CHLORPYRIFOS	G	40	QT	20	7S11E2	INSECTICIDE

Figure 71. Location of chlorpyrifos use for Livingston Drain @ Mitchell Ave – Irrigation 4



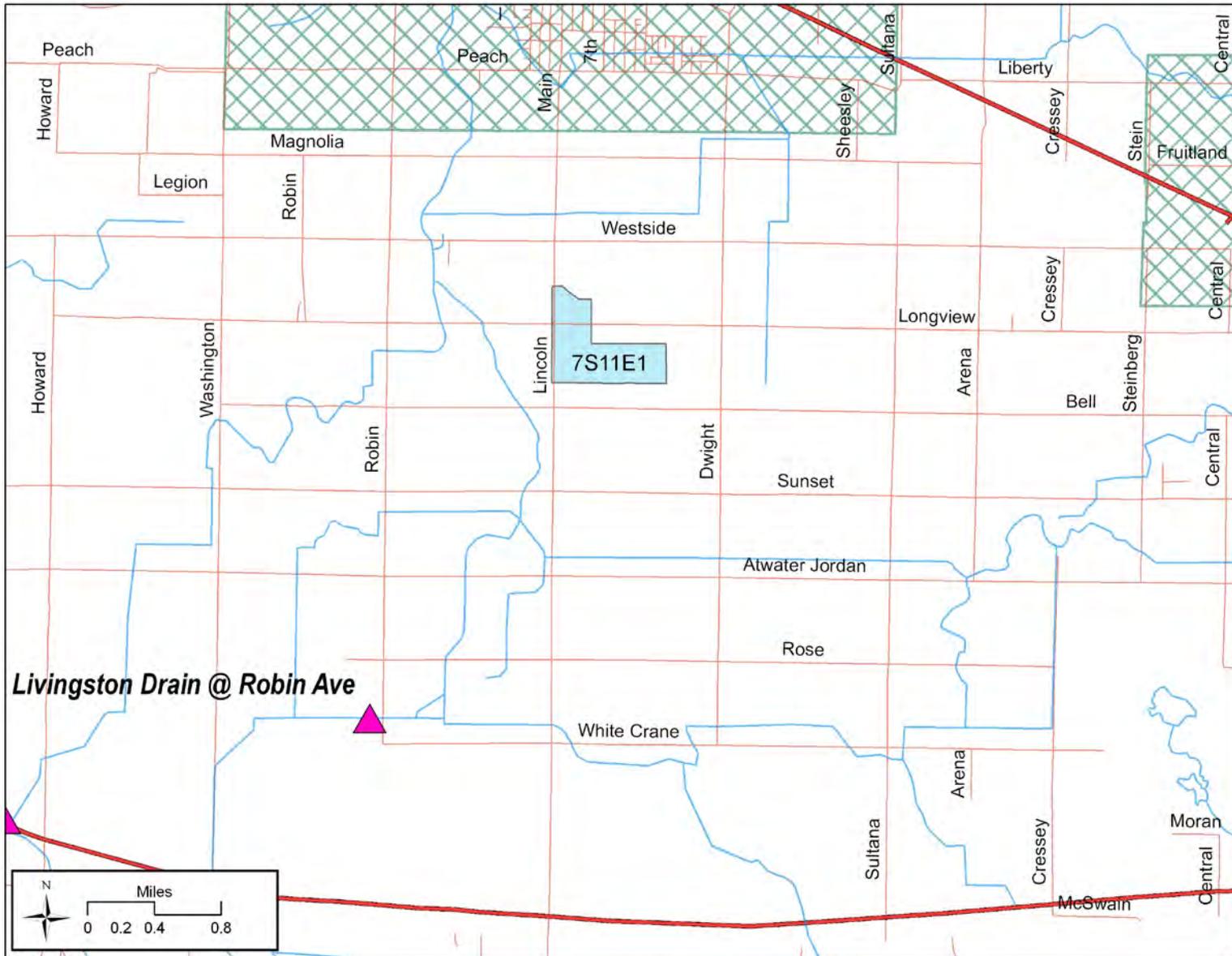
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**Pesticide Use Reports for metal exceedances in the water column**

**Irrigation 3 (6/17/08) – copper exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
GRAPE WINE	3/25/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	50	LBS	40	7S11E1	FUNGICIDE

Figure 72. Location of copper use for Livingston Drain @ Robin Ave – Irrigation 3



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**Irrigation 4 MPM (7/8/08) – copper exceedance.**

No additional applications after 3/25/08

**Irrigation 4 (7/22/08) – copper exceedance.**

No additional applications after 3/25/08

**Pesticide Use Reports for toxicity in the water column**

**Irrigation 1 (4/22/08) – *Selenastrum capricornutum* toxicity.**

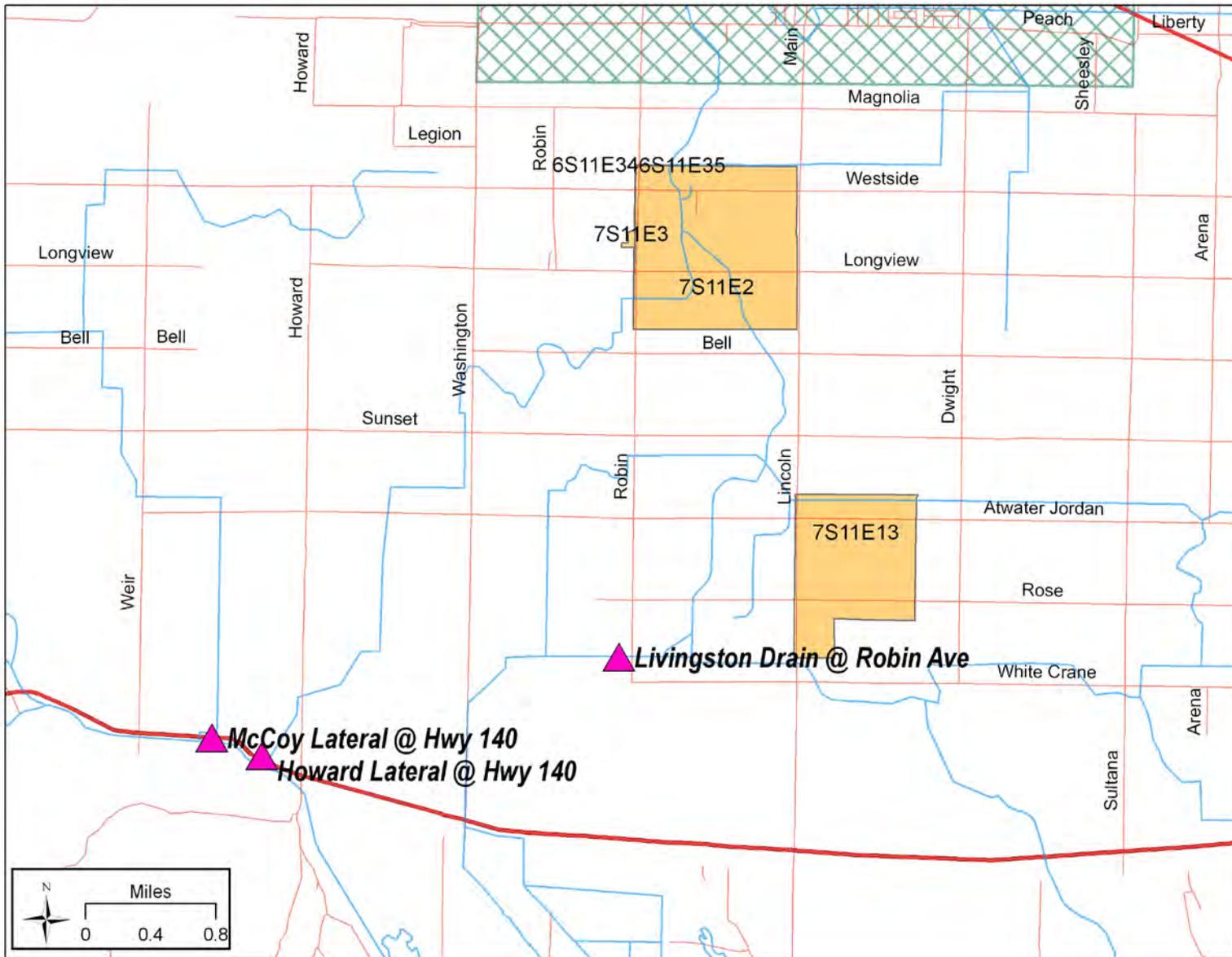
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	1/31/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	108	LBS	18	7S11E11	FUNGICIDE
ALMOND	1/31/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	108	LBS	18	7S11E11	FUNGICIDE
ALMOND	2/1/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	80	LBS	16	7S11E2	FUNGICIDE
ALMOND	2/5/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	93.75	LBS	18.75	7S11E3	FUNGICIDE
ALMOND	2/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LBS	30	7S11E2	FUNGICIDE
ALMOND	2/5/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	162.5	LBS	27	7S11E10	FUNGICIDE
ALMOND	2/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	144	LBS	36	7S11E11	FUNGICIDE
ALMOND	2/5/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	140	LBS	28	7S11E14	FUNGICIDE
ALMOND	2/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	144	LBS	36	7S11E13	FUNGICIDE
ALMOND	2/5/2008	DUPONT GX-569 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	144	LBS	36	7S11E13	FUNGICIDE
ALMOND	2/6/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	120	LBS	20	7S11E1	FUNGICIDE
ALMOND	2/6/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	120	LBS	20	7S11E1	FUNGICIDE
ALMOND	2/6/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	170	LBS	20	7S11E1	FUNGICIDE
ALMOND	2/6/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	170	LBS	20	7S11E1	FUNGICIDE
ALMOND	2/7/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	312.5	LBS	50	7S11E12	FUNGICIDE
ALMOND	2/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LBS	18	7S11E14	FUNGICIDE
GRAPE WINE	3/25/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	50	LBS	40	7S11E1	FUNGICIDE
SWEET	3/25/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	381.91	GA	29.4	6S11E34	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
POTATO									
SWEET POTATO	3/25/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	252	GA	18	6S11E35	HERBICIDE
ALMOND	3/26/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	22.5	LBS	18	7S11E14	HERBICIDE
ALMOND	3/26/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	6.8	GA	18	7S11E14	HERBICIDE
ALMOND	3/26/2008	DUPONT MATRIX FNV HERBICIDE	RIMSULFURON	G	2.3	LBS	18	7S11E14	HERBICIDE
ALMOND	3/26/2008	DREXEL SIMAZINE 4L	SIMAZINE	G	2.25	GA	18	7S11E14	HERBICIDE
ALMOND	3/26/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	11.3	GA	36	7S11E14	HERBICIDE
SWEET POTATO	3/28/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	153	GA	17	7S11E11	HERBICIDE
SWEET POTATO	3/28/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	270	GA	30	7S11E11	HERBICIDE
SWEET POTATO	3/29/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	301.5	GA	33.5	7S11E14	HERBICIDE
SWEET POTATO	3/29/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	301.5	GA	33.5	7S11E13	HERBICIDE
ALMOND	3/30/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	48	OZ	32	7S11E11	HERBICIDE
ALMOND	3/30/2008	ALECTO 41S	GLYPHOSATE	G	1152	OZ	32	7S11E11	HERBICIDE
ALMOND	3/30/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	64	OZ	40	7S11E13	HERBICIDE
ALMOND	3/30/2008	ALECTO 41S	GLYPHOSATE	G	1536	OZ	40	7S11E13	HERBICIDE
ALMOND	3/30/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	98	OZ	270	7S11E23	HERBICIDE
ALMOND	3/30/2008	ALECTO 41S	GLYPHOSATE	G	2304	OZ	270	7S11E23	HERBICIDE
SWEET POTATO	3/31/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	126	GA	14	7S11E1	HERBICIDE
SWEET POTATO	3/31/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	65	GA	5	7S11E12	HERBICIDE
ALMOND	3/31/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	140	GA	140	7S11E24	HERBICIDE
ALMOND	3/31/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	460	QT	460	7S11E24	HERBICIDE
SWEET POTATO	4/1/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	155.7	GA	17.3	7S11E12	HERBICIDE
SWEET POTATO	4/2/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	550.24	GA	38	6S11E34	HERBICIDE
SWEET POTATO	4/2/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	126.9	GA	14.1	7S11E10	HERBICIDE
ALMOND	4/2/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	158.94	GA	18	7S11E11	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/2/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.5	GA	75	7S11E12	HERBICIDE
ALMOND	4/3/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	22.5	PT	15	7S11E14	HERBICIDE
ALMOND	4/3/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	22.5	PT	15	7S11E14	HERBICIDE
ALMOND	4/3/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	45	PT	15	7S11E14	HERBICIDE
ALMOND	4/4/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	465.45	OZ	20	7S11E14	HERBICIDE
ALMOND	4/4/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	116.36	OZ	20	7S11E14	HERBICIDE
ALMOND	4/4/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	116.36	OZ	20	7S11E14	HERBICIDE
ALMOND	4/4/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	116.36	OZ	20	7S11E14	HERBICIDE
SWEET POTATO	4/5/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	80	GA	8	7S11E13	HERBICIDE
SWEET POTATO	4/7/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	312	GA	26	6S11E34	HERBICIDE
SWEET POTATO	4/7/2008	TELONE II	1,3-DICHLOROPROPENE	G	84	GA	6	6S11E35	HERBICIDE
SWEET POTATO	4/7/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	180.9	GA	14.3	7S11E14	HERBICIDE
ALMOND	4/8/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	400	OZ	30	6S11E34	HERBICIDE
ALMOND	4/8/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	400	OZ	30	6S11E34	HERBICIDE
SWEET POTATO	4/8/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	94	GA	9.4	7S11E2	HERBICIDE
ALMOND	4/8/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	288	OZ	33	7S11E2	HERBICIDE
SWEET POTATO	4/9/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	204	GA	17	6S11E34	HERBICIDE
SWEET POTATO	4/10/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	154.08	GA	17.12	7S11E10	HERBICIDE
ALMOND	4/11/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	56.25	PT	45	7S11E3	HERBICIDE
ALMOND	4/11/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20.5	PT	16.4	7S11E11	HERBICIDE
SWEET POTATO	4/14/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	198	GA	22	7S11E10	HERBICIDE
SWEET POTATO	4/15/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	G	60	GA	1	6S11E34	HERBICIDE
SWEET POTATO	4/15/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	78.84	GA	8.76	7S11E14	HERBICIDE
SWEET	4/16/2008	K-PAM HL	POTASSIUM N-	G	180	GA	3	6S11E34	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
POTATO			METHYLDITHIOCARBAMATE						
SWEET POTATO	4/16/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	870	GA	14.5	6S11E35	HERBICIDE
ALMOND	4/16/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	6	7S11E11	HERBICIDE
ALMOND	4/16/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	6	QT	6	7S11E11	HERBICIDE
ALMOND	4/16/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	50	LBS	40	7S11E12	HERBICIDE
ALMOND	4/16/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	40	QT	40	7S11E12	HERBICIDE
ALMOND	4/16/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	40	QT	40	7S11E12	HERBICIDE
SWEET POTATO	4/16/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	2280	GA	38	7S11E15	HERBICIDE
SWEET POTATO	4/17/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	G	390	GA	6.5	6S11E34	HERBICIDE
SWEET POTATO	4/17/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	81	GA	9	7S11E3	HERBICIDE
SWEET POTATO	4/17/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	49.38	GA	6	7S11E2	HERBICIDE
ALMOND	4/17/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	35	GA	22	7S11E11	HERBICIDE
ALMOND	4/17/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	28	QT	22	7S11E11	HERBICIDE
ALMOND	4/17/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	57	QT	38	7S11E11	HERBICIDE
ALMOND	4/17/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	57	QT	38	7S11E11	HERBICIDE
ALMOND	4/17/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	27	7S11E10	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	108	OZ	27	7S11E10	HERBICIDE
ALMOND	4/18/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	27	PT	9	7S11E2	HERBICIDE
ALMOND	4/18/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	QT	9	7S11E2	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	45	OZ	9	7S11E2	HERBICIDE
ALMOND	4/18/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	15	QT	15	7S11E2	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	120	OZ	15	7S11E2	HERBICIDE
ALMOND	4/18/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	22.5	QT	15	7S11E2	HERBICIDE
ALMOND	4/18/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	17.84	PT	19	7S11E12	HERBICIDE
SWEET POTATO	4/22/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	144	GA	16	7S11E13	HERBICIDE
SWEET POTATO	4/22/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	1914	GA	33	7S11E13	HERBICIDE

Figure 73. Location of pesticide use for Livingston Drain @ Robin Ave – Irrigation 1



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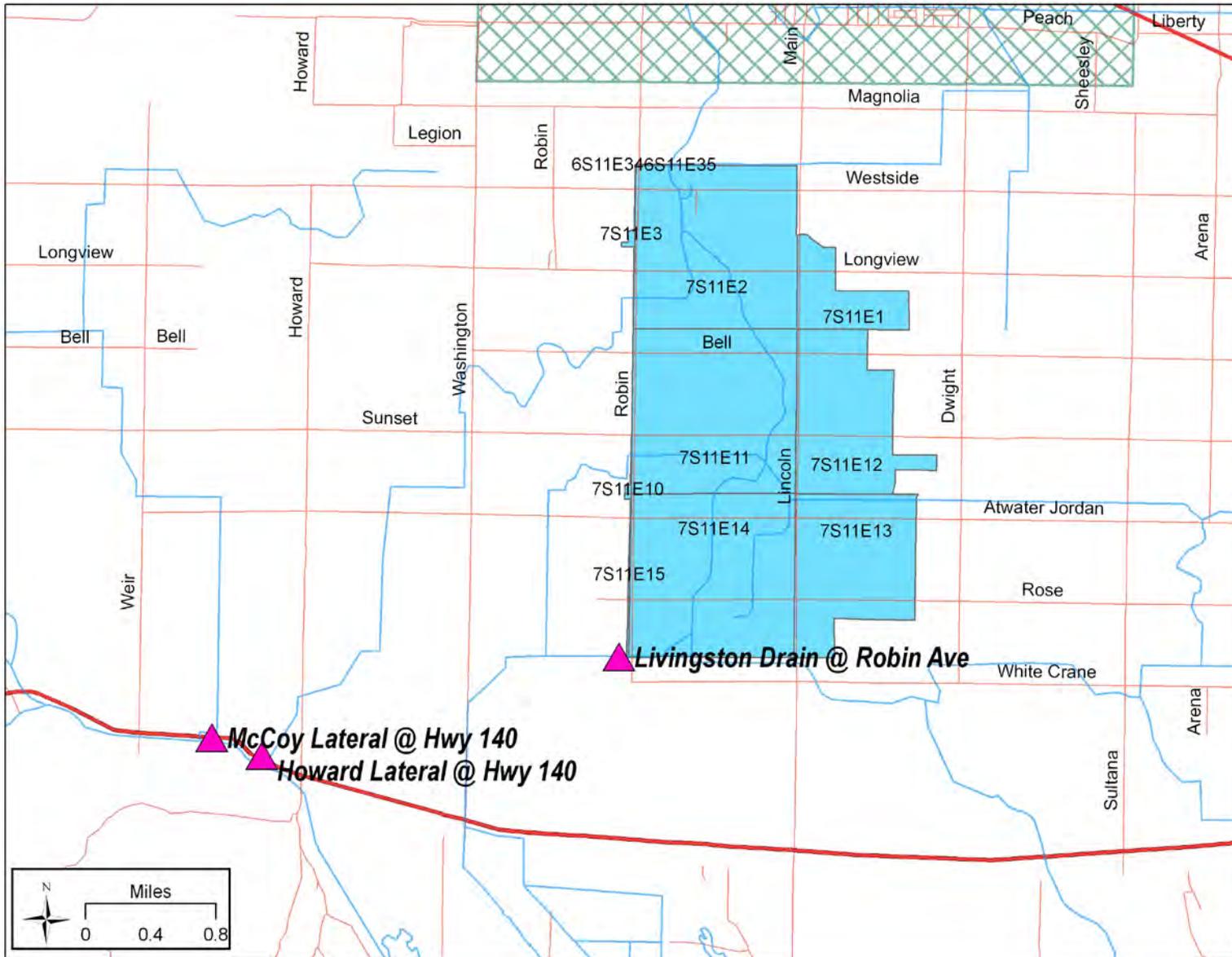
**Irrigation 1 RS (4/29/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/5/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	93.75	LBS	18.75	7S11E3	FUNGICIDE
ALMOND	2/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	120	LBS	30	7S11E2	FUNGICIDE
ALMOND	2/5/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	162.5	LBS	27	7S11E10	FUNGICIDE
ALMOND	2/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	144	LBS	36	7S11E11	FUNGICIDE
ALMOND	2/5/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	140	LBS	28	7S11E14	FUNGICIDE
ALMOND	2/5/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	144	LBS	36	7S11E13	FUNGICIDE
ALMOND	2/5/2008	DUPONT GX-569 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	144	LBS	36	7S11E13	FUNGICIDE
ALMOND	2/6/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	120	LBS	20	7S11E1	FUNGICIDE
ALMOND	2/6/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	120	LBS	20	7S11E1	FUNGICIDE
ALMOND	2/6/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	170	LBS	20	7S11E1	FUNGICIDE
ALMOND	2/6/2008	CUPROFIX ULTRA 40 DISPERSS	COPPER SULFATE	G	170	LBS	20	7S11E1	FUNGICIDE
ALMOND	2/7/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	312.5	LBS	50	7S11E12	FUNGICIDE
ALMOND	2/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LBS	18	7S11E14	FUNGICIDE
GRAPE WINE	3/25/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	50	LBS	40	7S11E1	FUNGICIDE
SWEET POTATO	4/1/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	155.7	GA	17.3	7S11E12	HERBICIDE
SWEET POTATO	4/2/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	550.24	GA	38	6S11E34	HERBICIDE
SWEET POTATO	4/2/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	126.9	GA	14.1	7S11E10	HERBICIDE
ALMOND	4/2/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	158.94	GA	18	7S11E11	HERBICIDE
ALMOND	4/2/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.5	GA	75	7S11E12	HERBICIDE
ALMOND	4/3/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	22.5	PT	15	7S11E14	HERBICIDE
ALMOND	4/3/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	22.5	PT	15	7S11E14	HERBICIDE
ALMOND	4/3/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	45	PT	15	7S11E14	HERBICIDE
ALMOND	4/4/2008	PROWL H2O HERBICIDE	PENDIMETHALIN	G	465.45	OZ	20	7S11E14	HERBICIDE
ALMOND	4/4/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	116.36	OZ	20	7S11E14	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/4/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	116.36	OZ	20	7S11E14	HERBICIDE
ALMOND	4/4/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	116.36	OZ	20	7S11E14	HERBICIDE
SWEET POTATO	4/5/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	80	GA	8	7S11E13	HERBICIDE
SWEET POTATO	4/7/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	312	GA	26	6S11E34	HERBICIDE
SWEET POTATO	4/7/2008	TELONE II	1,3-DICHLOROPROPENE	G	84	GA	6	6S11E35	HERBICIDE
SWEET POTATO	4/7/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	180.9	GA	14.3	7S11E14	HERBICIDE
ALMOND	4/8/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	400	OZ	30	6S11E34	HERBICIDE
ALMOND	4/8/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	400	OZ	30	6S11E34	HERBICIDE
SWEET POTATO	4/8/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	94	GA	9.4	7S11E2	HERBICIDE
ALMOND	4/8/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	288	OZ	33	7S11E2	HERBICIDE
SWEET POTATO	4/9/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	204	GA	17	6S11E34	HERBICIDE
SWEET POTATO	4/10/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	154.08	GA	17.12	7S11E10	HERBICIDE
ALMOND	4/11/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	56.25	PT	45	7S11E3	HERBICIDE
ALMOND	4/11/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	20.5	PT	16.4	7S11E11	HERBICIDE
SWEET POTATO	4/14/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	198	GA	22	7S11E10	HERBICIDE
SWEET POTATO	4/15/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	G	60	GA	1	6S11E34	HERBICIDE
SWEET POTATO	4/15/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	78.84	GA	8.76	7S11E14	HERBICIDE
SWEET POTATO	4/16/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	G	180	GA	3	6S11E34	HERBICIDE
SWEET POTATO	4/16/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	870	GA	14.5	6S11E35	HERBICIDE
ALMOND	4/16/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	6	7S11E11	HERBICIDE
ALMOND	4/16/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	6	QT	6	7S11E11	HERBICIDE
ALMOND	4/16/2008	SOLICAM DF HERBICIDE	NORFLURAZON	G	50	LBS	40	7S11E12	HERBICIDE
ALMOND	4/16/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	40	QT	40	7S11E12	HERBICIDE
ALMOND	4/16/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	40	QT	40	7S11E12	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
SWEET POTATO	4/16/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	2280	GA	38	7S11E15	HERBICIDE
SWEET POTATO	4/17/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	G	390	GA	6.5	6S11E34	HERBICIDE
SWEET POTATO	4/17/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	81	GA	9	7S11E3	HERBICIDE
SWEET POTATO	4/17/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	49.38	GA	6	7S11E2	HERBICIDE
ALMOND	4/17/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	35	GA	22	7S11E11	HERBICIDE
ALMOND	4/17/2008	SABER CA	2,4-D, DIMETHYLAMINE SALT	G	28	QT	22	7S11E11	HERBICIDE
ALMOND	4/17/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	57	QT	38	7S11E11	HERBICIDE
ALMOND	4/17/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	57	QT	38	7S11E11	HERBICIDE
ALMOND	4/17/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	27	7S11E10	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	108	OZ	27	7S11E10	HERBICIDE
ALMOND	4/18/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	27	PT	9	7S11E2	HERBICIDE
ALMOND	4/18/2008	BUCANEER PLUS GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	QT	9	7S11E2	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	45	OZ	9	7S11E2	HERBICIDE
ALMOND	4/18/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	15	QT	15	7S11E2	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	120	OZ	15	7S11E2	HERBICIDE
ALMOND	4/18/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	22.5	QT	15	7S11E2	HERBICIDE
ALMOND	4/18/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	17.84	PT	19	7S11E12	HERBICIDE
SWEET POTATO	4/22/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	144	GA	16	7S11E13	HERBICIDE
SWEET POTATO	4/22/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	1914	GA	33	7S11E13	HERBICIDE
SWEET POTATO	4/24/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	1560	GA	26	7S11E13	HERBICIDE
SWEET POTATO	4/28/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	57	GA	1	7S11E3	HERBICIDE
ALMOND	4/28/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	64	OZ	8	7S11E14	HERBICIDE
ALMOND	4/28/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	24	PT	8	7S11E14	HERBICIDE
SWEET POTATO	4/29/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	168	GA	14	6S11E35	HERBICIDE

Figure 74. Location of pesticide use for Livingston Drain @ Robin Ave – Irrigation 1 RS



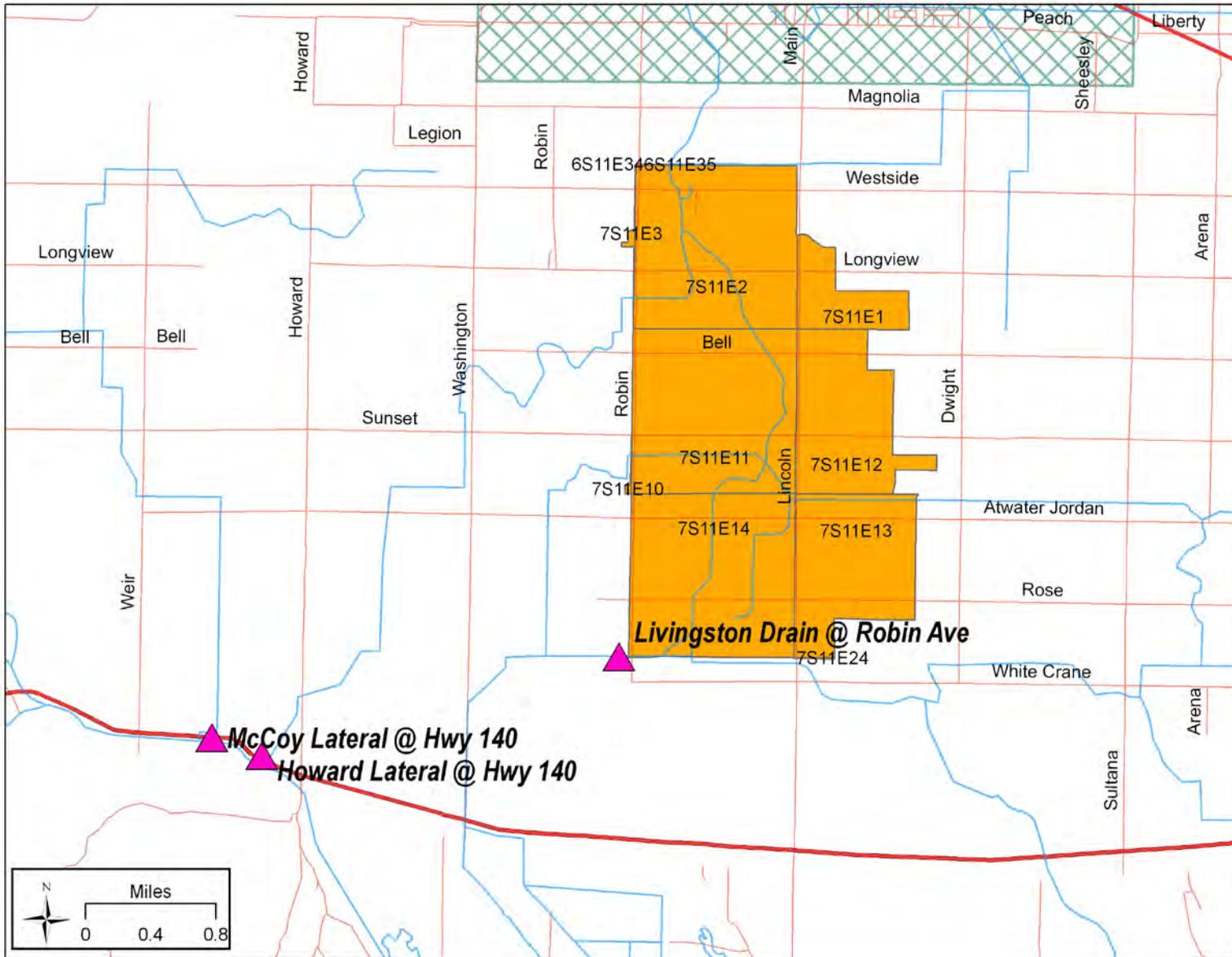
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**Irrigation 2 (5/20/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/28/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	30	LBS	18	7S11E14	FUNGICIDE
GRAPE WINE	3/25/2008	NORDOX 75 WG	COPPER OXIDE (OUS)	G	50	LBS	40	7S11E1	FUNGICIDE
SWEET POTATO	4/22/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	144	GA	16	7S11E13	HERBICIDE
SWEET POTATO	4/22/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	1914	GA	33	7S11E13	HERBICIDE
SWEET POTATO	4/24/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	1560	GA	26	7S11E13	HERBICIDE
SWEET POTATO	4/28/2008	K-PAM HL	POTASSIUM N-METHYLDITHIOCARBAMATE	F1412	57	GA	1	7S11E3	HERBICIDE
ALMOND	4/28/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	64	OZ	8	7S11E14	HERBICIDE
ALMOND	4/28/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	24	PT	8	7S11E14	HERBICIDE
SWEET POTATO	4/29/2008	TELONE II CA	1,3-DICHLOROPROPENE	G	168	GA	14	6S11E35	HERBICIDE
ALMOND	4/30/2008	RIVERDALE SOLUTION WATER SOLUBLE	2,4-D, DIMETHYLAMINE SALT	G	3360	OZ	210	7S11E24	HERBICIDE
ALMOND	5/1/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	40	QT	20	6S11E35	HERBICIDE
ALMOND	5/1/2008	GOAL 2XL	OXYFLUORFEN	G	40	QT	20	6S11E35	HERBICIDE
ALMOND	5/2/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	331.64	OZ	38	7S11E2	HERBICIDE
ALMOND	5/3/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	54.55	PT	30	7S11E11	HERBICIDE
ALMOND	5/3/2008	HONCHO HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	21.82	PT	30	7S11E11	HERBICIDE
ALMOND	5/7/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	1	GA	30	7S11E10	HERBICIDE
ALMOND	5/7/2008	NUFARM CREDIT SYSTEMIC HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.5	GA	30	7S11E10	HERBICIDE
ALMOND	5/7/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	5	GA	20	7S11E10	HERBICIDE
ALMOND	5/10/2008	2, 4-D AMINE 4 HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	14.2	QT	14.2	7S11E3	HERBICIDE
ALMOND	5/11/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	17.5	GA	26	7S11E11	HERBICIDE
ALMOND	5/11/2008	BUCCANEER GLYPHOSATE HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	5	GA	26	7S11E11	HERBICIDE
ALMOND	5/15/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	38.18	PT	35	7S11E13	HERBICIDE
ALMOND	5/15/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	38.18	PT	35	7S11E13	HERBICIDE
ALMOND	5/15/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	38.18	PT	35	7S11E13	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/16/2008	BAYER CROPS SCIENCE LP	GLUFOSINATE-AMMONIUM	G	375	OZ	15	7S11E14	HERBICIDE
ALMOND	5/16/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	45	QT	15	7S11E14	HERBICIDE
ALMOND	5/17/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIETHANOLAMINE SALT	G	147.27	PT	135	7S11E1	HERBICIDE
ALMOND	5/17/2008	GORDON'S ORCHARD MASTER CA BROADLEAF HER	2,4-D, DIMETHYLAMINE SALT	G	147.27	PT	135	7S11E1	HERBICIDE
ALMOND	5/17/2008	GLYFOS X-TRA HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	147.27	PT	135	7S11E1	HERBICIDE
ALMOND	5/19/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	QT	10	6S11E34	HERBICIDE
ALMOND	5/19/2008	ORCHARD STAR	2,4-D, DIMETHYLAMINE SALT	G	10	QT	10	6S11E34	HERBICIDE
ALMOND	5/20/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	7.5	GA	30	7S11E12	HERBICIDE
ALMOND	5/20/2008	GOAL 2XL	OXYFLUORFEN	G	9	QT	30	7S11E12	HERBICIDE

Figure 75. Location of pesticide use for Livingston Drain @ Robin Ave – Irrigation 2



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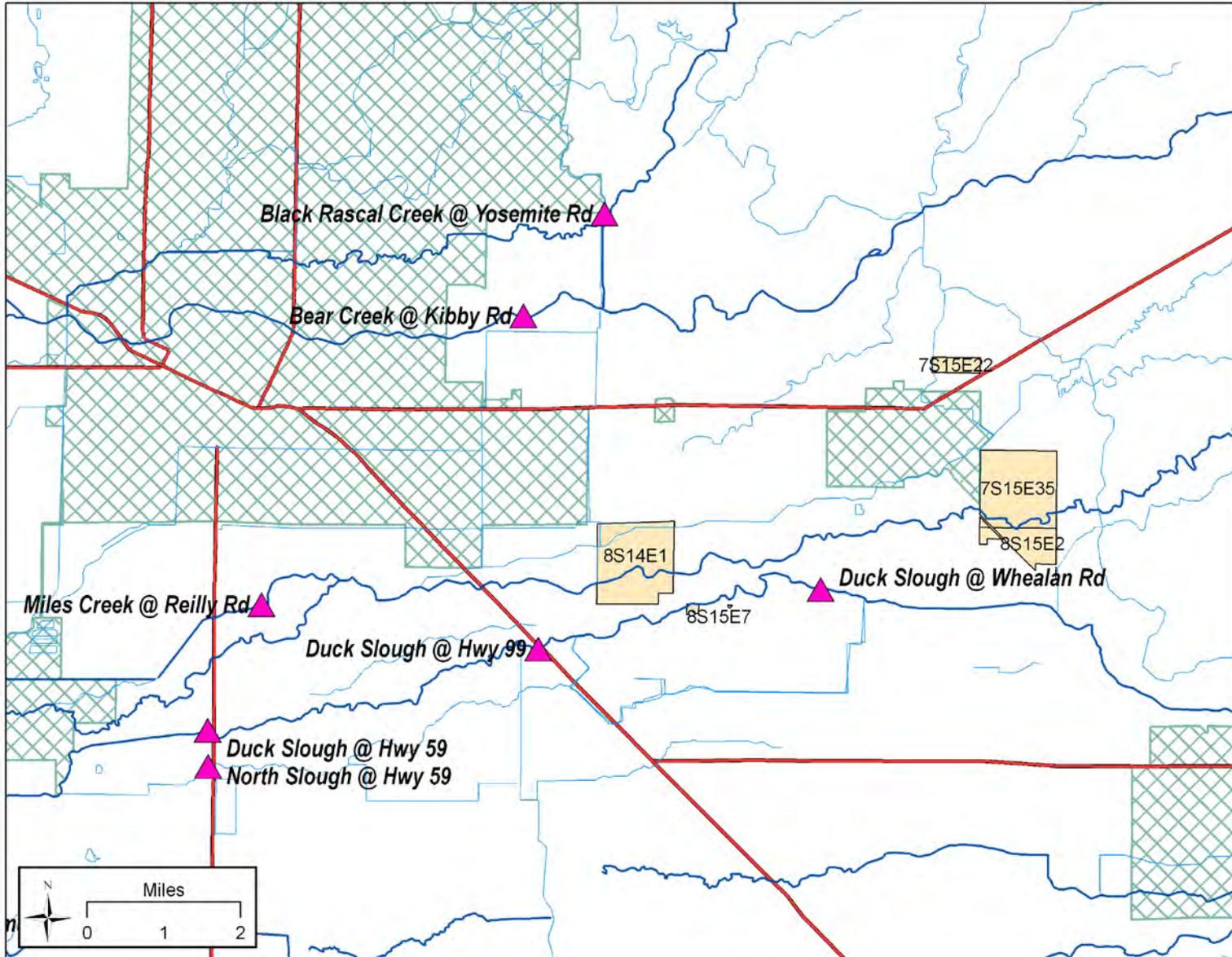
***Miles Creek @ Reilly Rd***

**Pesticide Use Reports for pesticide exceedances in the water column**

**Irrigation 4 (7/29/08) – chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	6/25/2008	NUFOS 4E	CHLORPYRIFOS	G	2.5	GA	8	7S15E35	INSECTICIDE
CORN FOR/FOD	6/30/2008	NUFOS 4E	CHLORPYRIFOS	A	12.75	GA	51	7S15E22	INSECTICIDE
CORN FOR/FOD	7/5/2008	NUFOS 4E	CHLORPYRIFOS	A	12.5	GA	50	7S15E22	INSECTICIDE
ALFALFA	7/8/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	31.75	GA	127	8S14E1	INSECTICIDE
ALFALFA	7/8/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	26.25	GA	105	8S14E1	INSECTICIDE
CORN FOR/FOD	7/15/2008	NUFOS 4E	CHLORPYRIFOS	A	18.75	GA	75	7S15E22	INSECTICIDE
ALFALFA	7/16/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	G	120	PT	60	8S15E2	INSECTICIDE
ALFALFA	7/25/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	28.98	GA	115.9	8S15E7	INSECTICIDE

Figure 76. Location of chlorpyrifos use for Miles Creek @ Reilly Rd – Irrigation 4

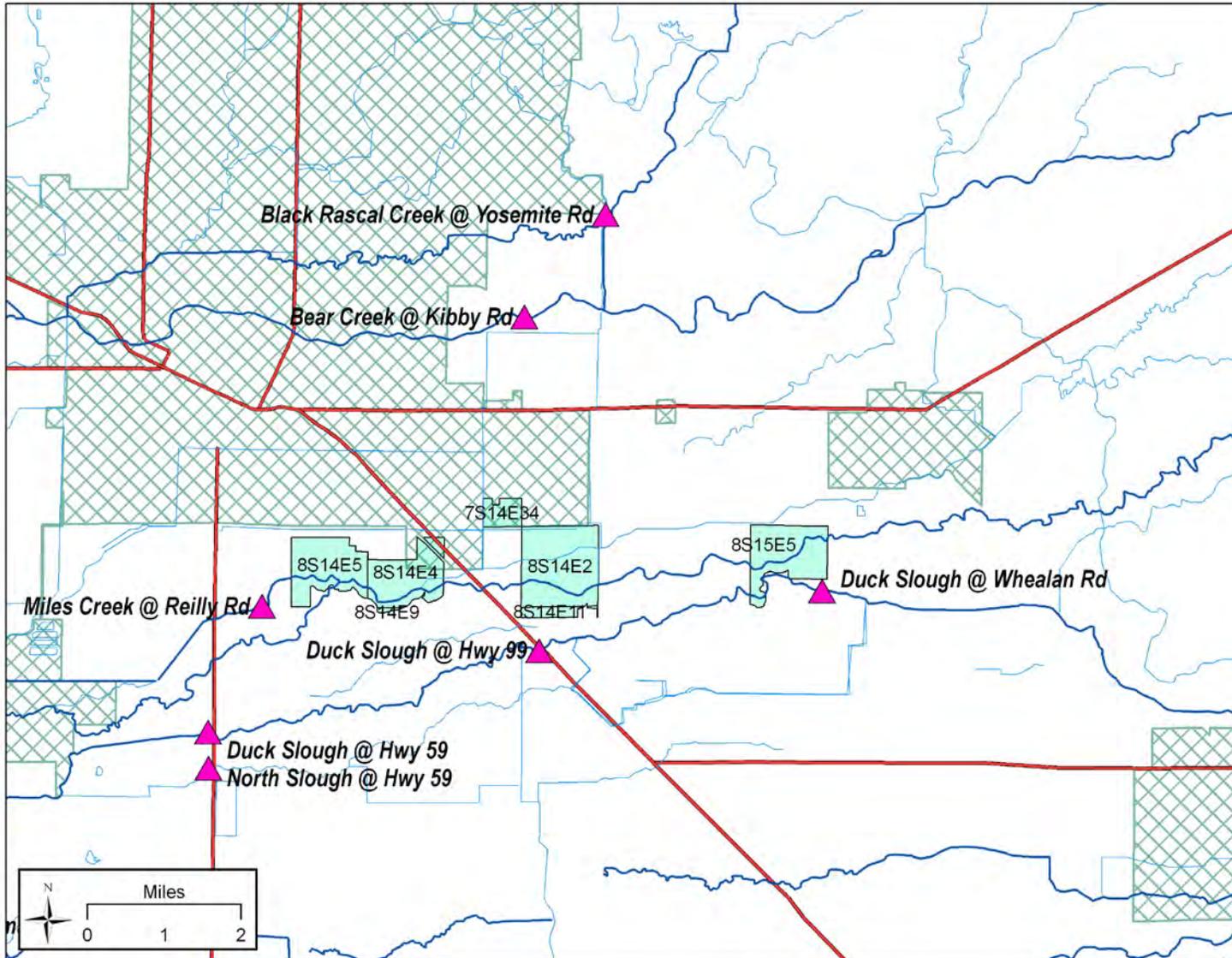


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**Irrigation 5 (8/26/08) – chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	7/30/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	25.75	GA	103	8S15E5	INSECTICIDE
ALMOND	8/4/2008	LORSBAN-4E	CHLORPYRIFOS	G	61.82	PT	34	7S14E34	INSECTICIDE
WALNUT	8/7/2008	LORSBAN-4E	CHLORPYRIFOS	G	78	QT	78	8S14E11	INSECTICIDE
ALFALFA	8/13/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	6	GA	48	8S14E9	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.19	GA	19	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.56	GA	25	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	2.38	GA	38	8S14E9	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	0.75	GA	12	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.13	GA	18	8S14E5	INSECTICIDE
ALFALFA	8/24/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	17	GA	136	8S14E2	INSECTICIDE

Figure 77. Location of chlorpyrifos use for Miles Creek @ Reilly Rd – Irrigation 5



## **Pesticide Use Reports for metal exceedances in the water column**

### **Irrigation 4 (7/29/08) – copper exceedance.**

There was no copper applied within 12 weeks prior to the exceedance. The last copper applications occurred on January 17, 2008.

**Irrigation 5 (8/26/08) – copper exceedance.**

No reported use after January 2008

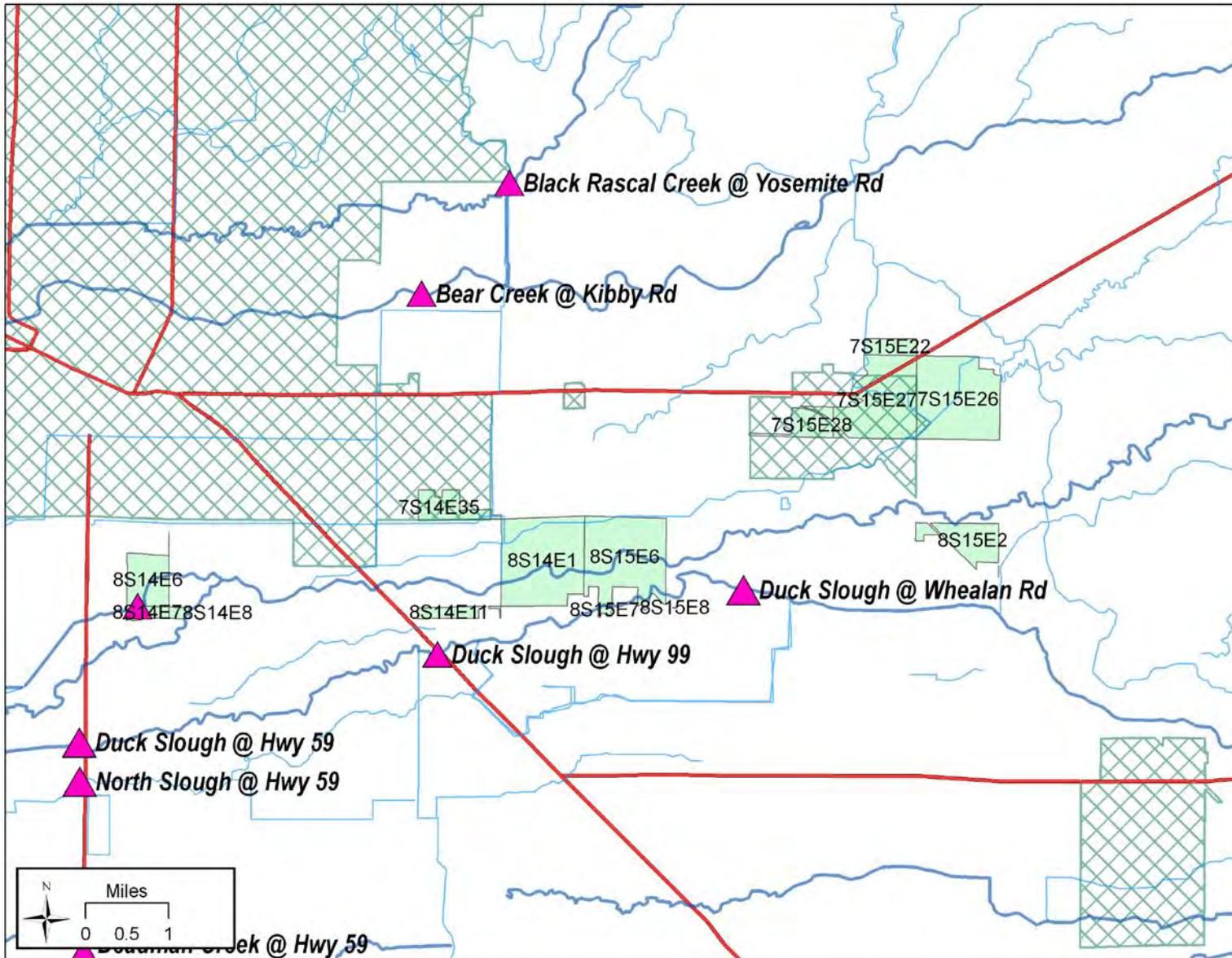
**Pesticide Use Reports for toxicity in the water column**

**Irrigation 1 (4/29/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/1/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.8	GA	4.5	8S15E2	HERBICIDE
ALMOND	4/1/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	8.4	OZ	4.5	8S15E2	HERBICIDE
GRAPE WINE	4/1/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	9.6	OZ	0.1	8S14E6	HERBICIDE
WALNUT	4/1/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	9.6	OZ	0.1	8S14E6	HERBICIDE
ALMOND	4/3/2008	GOAL 2XL	OXYFLUORFEN	G	328	OZ	41	8S14E8	HERBICIDE
ALMOND	4/3/2008	GOAL 2XL	OXYFLUORFEN	G	160	OZ	26	8S15E7	HERBICIDE
ALMOND	4/3/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12.3	GA	26	8S15E7	HERBICIDE
ALMOND	4/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1312	OZ	41	8S14E8	HERBICIDE
WALNUT	4/8/2008	RETAIN PLANT GROWTH REGULATOR SOLUBLE PO	AMINO ETHOXY VINYL GLYCINE HYDROCHLORIDE	G	58.5	OZ	10	8S14E11	Plant Growth Regulator
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	400	OZ	50	8S14E1	HERBICIDE
ALMOND	4/9/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	150	PT	50	8S14E1	HERBICIDE
ALMOND	4/12/2008	POAST	SETHOXYDIM	G	1.5	GA	12	8S15E8	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	48	OZ	12	8S15E8	HERBICIDE
ALMOND	4/12/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	12	8S15E8	HERBICIDE
ALMOND	4/14/2008	POAST	SETHOXYDIM	G	1.6	GA	14	8S15E8	HERBICIDE
ALMOND	4/14/2008	GOAL 2XL	OXYFLUORFEN	G	51	OZ	14	8S15E8	HERBICIDE
ALMOND	4/14/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.9	GA	14	8S15E8	HERBICIDE
CORN HUMAN CONSUMP	4/15/2008	DU PONT ACCENT HERBICIDE	NICOSULFURON	G	12	OZ	12	7S14E35	HERBICIDE
ALMOND	4/17/2008	POAST	SETHOXYDIM	G	2.6	GA	36	8S15E7	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	128	OZ	36	8S15E7	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	9.25	GA	37	8S15E6	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	14.5	GA	58	8S15E6	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7.75	GA	31	8S15E6	HERBICIDE
ALMOND	4/17/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	36	8S15E7	HERBICIDE
ALMOND	4/18/2008	POAST	SETHOXYDIM	G	2.4	GA	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	102	OZ	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	365.54	OZ	110	8S15E7	HERBICIDE
ALMOND	4/18/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	GA	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1462.15	OZ	110	8S15E7	HERBICIDE
ALMOND	4/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	13.12	GA	35	8S15E8	HERBICIDE
WALNUT	4/25/2008	POAST	SETHOXYDIM	G	4.44	PT	5	8S14E11	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	12	GA	48	7S15E27	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	19	GA	76	7S15E22	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	18.75	GA	75	7S15E22	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	18	GA	72	7S15E26	HERBICIDE
WALNUT	4/25/2008	BAYER CROPS SCIENCE LP	GLUFOSINATE-AMMONIUM	G	770	OZ	10	8S14E11	HERBICIDE
ALMOND	4/25/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2.3	GA	4	8S15E2	HERBICIDE
PRUNE	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	8	GA	320	7S15E28	HERBICIDE
PRUNE	4/26/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32	GA	320	7S15E28	HERBICIDE
ALFALFA	4/28/2008	BUCTRIL 4 EC HERBICIDE	BROMOXYNIL HEPTANOATE	G	678.4	OZ	53	8S14E7	HERBICIDE
ALFALFA	4/28/2008	BUCTRIL 4 EC HERBICIDE	BROMOXYNIL OCTANOATE	G	678.4	OZ	53	8S14E7	HERBICIDE

Figure 78. Location of pesticide use for Miles Creek @ Reilly Rd – Irrigation 1

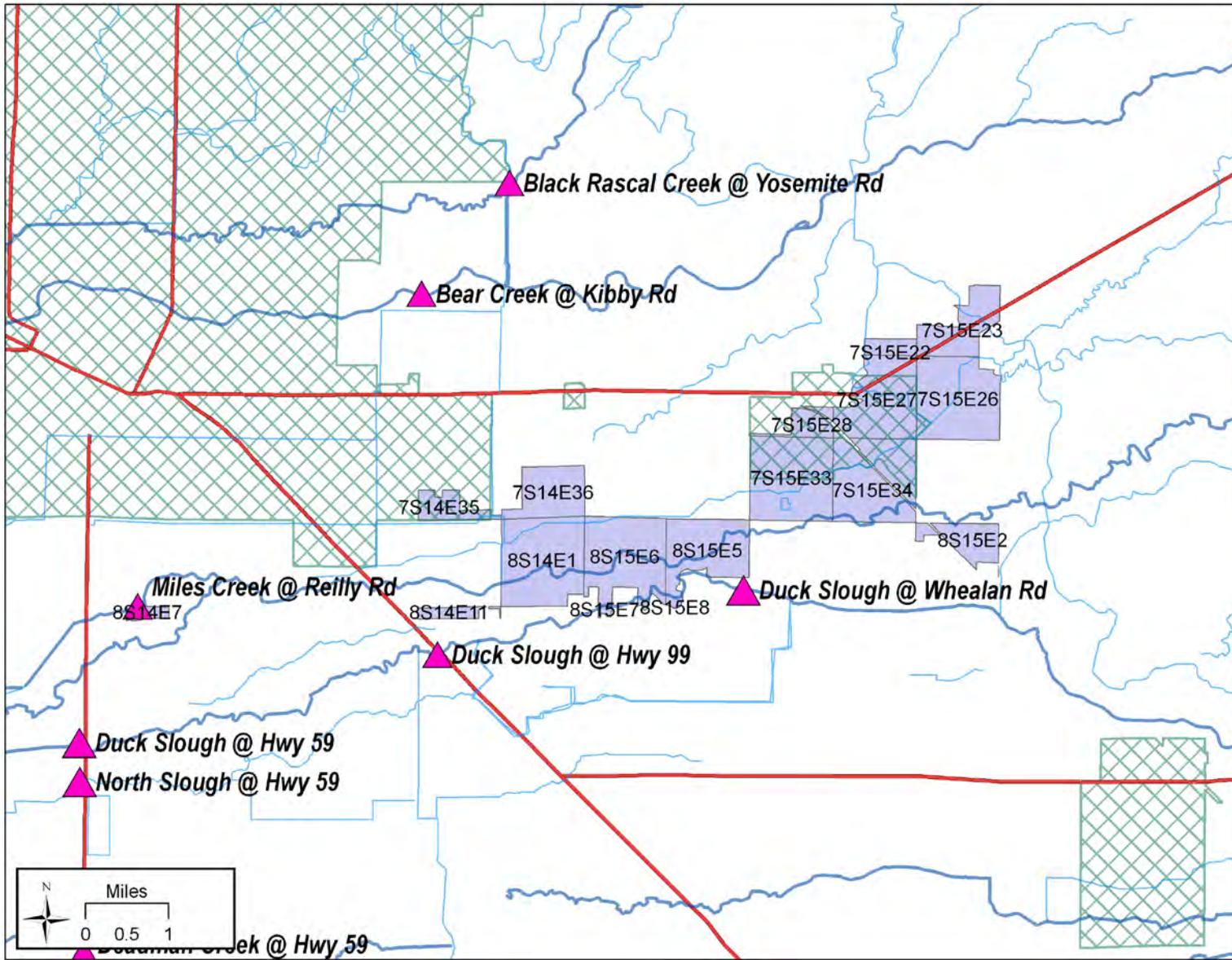


**Irrigation 1 RS (5/7/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	400	OZ	50	8S14E1	HERBICIDE
ALMOND	4/9/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	150	PT	50	8S14E1	HERBICIDE
ALMOND	4/12/2008	POAST	SETHOXYDIM	G	1.5	GA	12	8S15E8	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	48	OZ	12	8S15E8	HERBICIDE
ALMOND	4/12/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.75	GA	12	8S15E8	HERBICIDE
ALMOND	4/14/2008	POAST	SETHOXYDIM	G	1.6	GA	14	8S15E8	HERBICIDE
ALMOND	4/14/2008	GOAL 2XL	OXYFLUORFEN	G	51	OZ	14	8S15E8	HERBICIDE
ALMOND	4/14/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	3.9	GA	14	8S15E8	HERBICIDE
CORN HUMAN CONSUMP	4/15/2008	DU PONT ACCENT HERBICIDE	NICOSULFURON	G	12	OZ	12	7S14E35	HERBICIDE
ALMOND	4/17/2008	POAST	SETHOXYDIM	G	2.6	GA	36	8S15E7	HERBICIDE
ALMOND	4/17/2008	GOAL 2XL	OXYFLUORFEN	G	128	OZ	36	8S15E7	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	9.25	GA	37	8S15E6	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	14.5	GA	58	8S15E6	HERBICIDE
COTTON	4/17/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	7.75	GA	31	8S15E6	HERBICIDE
ALMOND	4/17/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	36	8S15E7	HERBICIDE
ALMOND	4/18/2008	POAST	SETHOXYDIM	G	2.4	GA	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	102	OZ	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	GOAL 2XL	OXYFLUORFEN	G	365.54	OZ	110	8S15E7	HERBICIDE
ALMOND	4/18/2008	CORNERSTONE PLUS	GLYPHOSATE, ISOPROPYLAMINE SALT	G	8	GA	21	8S15E7	HERBICIDE
ALMOND	4/18/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	1462.15	OZ	110	8S15E7	HERBICIDE
ALMOND	4/21/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	13.12	GA	35	8S15E8	HERBICIDE
WALNUT	4/25/2008	POAST	SETHOXYDIM	G	4.44	PT	5	8S14E11	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	12	GA	48	7S15E27	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	19	GA	76	7S15E22	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	18.75	GA	75	7S15E22	HERBICIDE
CORN FOR/FOD	4/25/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	A	18	GA	72	7S15E26	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	4/25/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	770	OZ	10	8S14E11	HERBICIDE
ALMOND	4/25/2008	RELY HERBICIDE	GLUFOSINATE-AMMONIUM	G	2.3	GA	4	8S15E2	HERBICIDE
PRUNE	4/26/2008	GOAL 2XL	OXYFLUORFEN	G	8	GA	320	7S15E28	HERBICIDE
PRUNE	4/26/2008	TENKOZ BUCCANEER HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32	GA	320	7S15E28	HERBICIDE
ALFALFA	4/28/2008	BUCTRIL 4 EC HERBICIDE	BROMOXYNIL HEPTANOATE	G	678.4	OZ	53	8S14E7	HERBICIDE
ALFALFA	4/28/2008	BUCTRIL 4 EC HERBICIDE	BROMOXYNIL OCTANOATE	G	678.4	OZ	53	8S14E7	HERBICIDE
CORN FOR/FOD	5/1/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	20.75	GA	83	8S15E5	HERBICIDE
CORN FOR/FOD	5/2/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	640	OZ	20	7S14E35	HERBICIDE
PISTACHIO	5/2/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	100	7S15E23	HERBICIDE
ALMOND	5/2/2008	BAYER CROPSCIENCE LP	GLUFOSINATE-AMMONIUM	G	2156.25	OZ	45	7S14E36	HERBICIDE
ALMOND	5/3/2008	GOAL 2XL	OXYFLUORFEN	G	1.29	GA	33	7S15E34	HERBICIDE
ALMOND	5/3/2008	GOAL 2XL	OXYFLUORFEN	G	0.27	GA	7	7S15E34	HERBICIDE
POMEGRANATE	5/3/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	5.6	GA	14	7S15E33	HERBICIDE
ALMOND	5/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	2.74	GA	7	7S15E34	HERBICIDE
ALMOND	5/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	12.89	GA	33	7S15E34	HERBICIDE
ALMOND	5/4/2008	GOAL 2XL	OXYFLUORFEN	G	0.56	GA	16.25	8S15E2	HERBICIDE
ALMOND	5/4/2008	GOAL 2XL	OXYFLUORFEN	G	0.56	GA	16.25	8S15E2	HERBICIDE
ALMOND	5/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6.16	GA	16.25	8S15E2	HERBICIDE
ALMOND	5/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	6.16	GA	16.25	8S15E2	HERBICIDE
SORGHUM FOR/FOD	5/5/2008	GOAL 2XL	OXYFLUORFEN	G	2.38	GA	19	7S14E35	HERBICIDE
SORGHUM FOR/FOD	5/5/2008	ROUNDUP ORIGINAL HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.75	GA	19	7S14E35	HERBICIDE
ALMOND	5/7/2008	GOAL 2XL	OXYFLUORFEN	G	3.03	GA	88	8S15E2	HERBICIDE
ALMOND	5/7/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	33.4	GA	88	8S15E2	HERBICIDE

Figure 79. Location of pesticide use for Miles Creek @ Reilly Rd – Irrigation 1 RS



## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/19/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	A	1.05	GA	48	8S14E9	INSECTICIDE
ALFALFA	3/19/2008	SILENCER	LAMBDA-CYHALOTHRIN	A	125.44	FLOZ	45	8S14E9	INSECTICIDE
PISTACHIO	5/2/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	126	OZ	45	8S14E2	INSECTICIDE
ALMOND	5/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	53	OZ	8.2	7S14E35	INSECTICIDE
PEACH	5/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	80	OZ	10	8S14E11	INSECTICIDE
COTTON	6/3/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	46.18	FLOZ	39	7S14E36	INSECTICIDE
COTTON	6/3/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	23.68	FLOZ	20	7S14E36	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.69	GA	29	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.37	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/6/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	1.9	GA	75	8S15E5	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.38	GA	16	8S14E2	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.6	GA	25	8S14E1	INSECTICIDE
CORN FOR/FOD	6/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1	GA	38	8S14E5	INSECTICIDE
COTTON	6/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	432	OZ	108	8S14E12	INSECTICIDE
COTTON	6/19/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	46.18	FLOZ	39	7S14E36	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.43	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.36	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.68	GA	29	8S15E6	INSECTICIDE
COTTON	6/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.76	GA	75	8S15E5	INSECTICIDE
CORN FOR/FOD	6/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.53	GA	51	7S15E22	INSECTICIDE
COTTON	7/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.35	GA	16	8S14E2	INSECTICIDE
COTTON	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.17	GA	50	8S14E1	INSECTICIDE
COTTON	7/3/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	102.63	FLOZ	39	7S14E36	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	76	OZ	19	8S15E8	INSECTICIDE

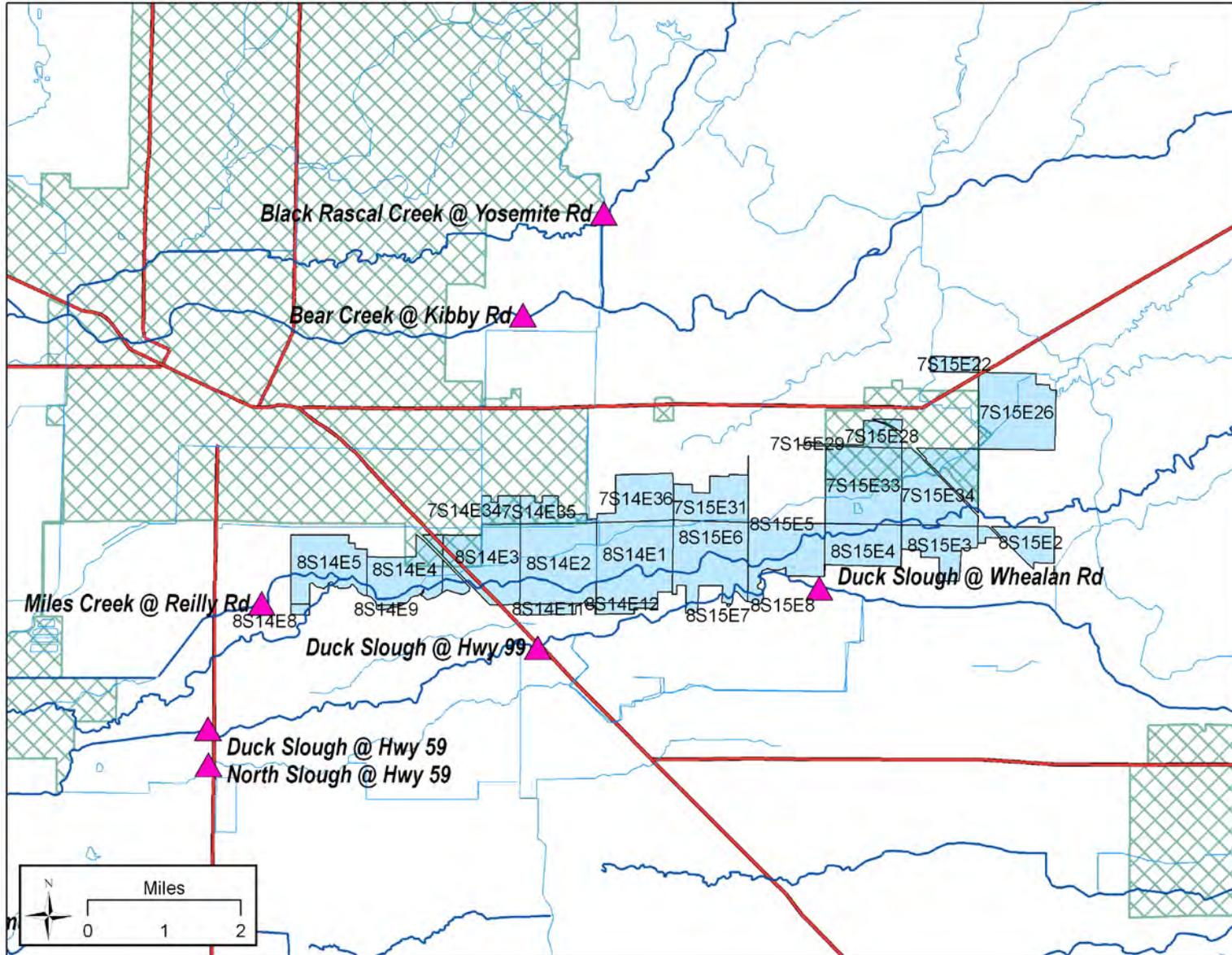
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	128	OZ	32	8S14E5	INSECTICIDE
CORN FOR/FOD	7/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	3.42	GA	114	7S15E26	INSECTICIDE
CORN FOR/FOD	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	3.12	GA	105	7S14E35	INSECTICIDE
CORN FOR/FOD	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.38	GA	80	7S14E35	INSECTICIDE
PISTACHIO	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	8S15E5	INSECTICIDE
ALFALFA	7/15/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	3.7	GA	110	7S15E26	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13.5	GA	135	8S15E2	INSECTICIDE
SUDANGRASS	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.6	GA	20	8S14E3	INSECTICIDE
COTTON	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.06	GA	39	7S14E36	INSECTICIDE
TOMATO	7/30/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	3.18	QT	34	8S15E6	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1	GA	32	8S14E2	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1.81	GA	58	8S15E6	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	0.97	GA	31	8S15E6	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1.16	GA	37	8S15E6	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	4.69	GA	150	8S15E5	INSECTICIDE
COTTON	7/31/2008	ZEPHYR 0.15EC	ABAMECTIN	A	1.56	GA	50	8S14E1	INSECTICIDE
ALMOND	7/31/2008	OMITE-6E	PROPARGITE	G	75	GA	275	7S15E29	INSECTICIDE
ALMOND	7/31/2008	APOLLO SC OVICIDE/MITICIDE	CLOFENTEZINE	G	40	OZ	10	8S14E12	INSECTICIDE
PISTACHIO	8/1/2008	GOAL 2XL	OXYFLUORFEN	G	75	OZ	16	7S14E36	HERBICIDE
ALMOND	8/3/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	78	8S15E8	HERBICIDE
ALMOND	8/3/2008	GOAL 2XL	OXYFLUORFEN	G	2.35	GA	78	8S15E8	HERBICIDE
WALNUT	8/4/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	69.93	PT	78	8S14E11	HERBICIDE
ALMOND	8/4/2008	LORSBAN-4E	CHLORPYRIFOS	G	61.82	PT	34	7S14E34	INSECTICIDE
WALNUT	8/4/2008	GOAL 2XL	OXYFLUORFEN	G	277.33	OZ	78	8S14E11	HERBICIDE
ALFALFA	8/4/2008	STEWARD EC	INDOXACARB	A	3	GA	70	7S14E36	INSECTICIDE
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	7.26	GA	18	7S14E36	HERBICIDE
SQUASH	8/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	272	OZ	34	7S15E28	INSECTICIDE
CORN FOR/FOD	8/5/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	6.57	GA	99	7S15E22	INSECTICIDE
ALMOND	8/5/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	37.89	GA	94	7S14E36	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/7/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	G	2.5	GA	76	8S15E8	INSECTICIDE
ALMOND	8/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8	GA	76	8S15E8	INSECTICIDE
ALFALFA	8/7/2008	STEWART EC	INDOXACARB	A	6.15	GA	127	8S14E1	INSECTICIDE
ALMOND	8/7/2008	GOAL 2XL	OXYFLUORFEN	G	160	OZ	40	8S14E12	HERBICIDE
WALNUT	8/7/2008	ABBA 0.15 EC	Abamectin	G	390	OZ	78	8S14E11	INSECTICIDE
WALNUT	8/7/2008	LORSBAN-4E	CHLORPYRIFOS	G	78	QT	78	8S14E11	INSECTICIDE
ALFALFA	8/7/2008	FYFANON 8 LB. EMULSION	MALATHION	A	12.46	GA	79	8S14E11	INSECTICIDE
ALFALFA	8/7/2008	STEWART EC	INDOXACARB	A	5	GA	64	8S14E8	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALFALFA	8/7/2008	FYFANON 8 LB. EMULSION	MALATHION	A	20.03	GA	127	8S14E1	INSECTICIDE
ALFALFA	8/7/2008	STEWART EC	INDOXACARB	A	3.83	GA	79	8S14E11	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	37.2	PT	33	7S15E34	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.7	GA	130	8S15E2	INSECTICIDE
ALFALFA	8/8/2008	STEWART EC	INDOXACARB	G	128	OZ	20	7S15E33	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	7.92	PT	7	7S15E34	INSECTICIDE
ALFALFA	8/9/2008	FYFANON 8 LB. EMULSION	MALATHION	A	17.47	GA	105	8S14E1	INSECTICIDE
ALFALFA	8/9/2008	STEWART EC	INDOXACARB	A	4.92	GA	105	8S14E1	INSECTICIDE
CORN FOR/FOD	8/9/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1.93	GA	29	8S14E3	INSECTICIDE
CORN FOR/FOD	8/9/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	4.05	GA	74	8S14E3	INSECTICIDE
CORN FOR/FOD	8/12/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	6.56	GA	105	7S14E35	INSECTICIDE
CORN FOR/FOD	8/12/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	5	GA	80	7S14E35	INSECTICIDE
TOMATO	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.63	GA	69.2	8S15E6	INSECTICIDE
TOMATO	8/13/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	14.66	LBS	69.2	8S15E6	INSECTICIDE
ALFALFA	8/13/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	6	GA	48	8S14E9	INSECTICIDE
TOMATO	8/13/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	40.74	LBS	69.2	8S15E6	FUNGICIDE
ALMOND	8/14/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	3	GA	43.5	8S15E4	HERBICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	7.8	GA	78	8S15E8	INSECTICIDE
ALMOND	8/14/2008	EPI-MEK 0.15 EC MITICIDE/INSECTICIDE	ABAMECTIN	A	2.44	GA	78	8S15E8	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/14/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	43.5	8S15E4	HERBICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	0.75	GA	12	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	4.25	GA	68	8S14E2	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	1.13	GA	18	8S14E5	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	1.56	GA	25	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	2.38	GA	38	8S14E9	INSECTICIDE
ALFALFA	8/15/2008	GOWAN MALATHION 8 FLOWABLE	MALATHION	A	8.5	GA	68	8S14E2	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.19	GA	19	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	STEWARD EC	INDOXACARB	A	1.19	GA	19	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.56	GA	25	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	2.38	GA	38	8S14E9	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	0.75	GA	12	8S14E4	INSECTICIDE
ALFALFA	8/15/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	1.13	GA	18	8S14E5	INSECTICIDE
ALMOND	8/16/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	43.2	GA	63	8S15E8	HERBICIDE
ALMOND	8/16/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	290	OZ	20	8S14E12	INSECTICIDE
ALMOND	8/16/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	4.32	GA	63	8S15E8	HERBICIDE
ALFALFA	8/19/2008	STEWARD EC	INDOXACARB	G	854	OZ	122	8S15E7	INSECTICIDE
ALFALFA	8/19/2008	FYFANON 8 LB. EMULSION	MALATHION	G	2879.2	OZ	122	8S15E7	INSECTICIDE
CORN FOR/FOD	8/19/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	2.97	GA	50	8S14E5	INSECTICIDE
CORN FOR/FOD	8/19/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1.48	GA	25	8S14E5	INSECTICIDE
ALMOND	8/19/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	30	GA	43.5	8S15E2	HERBICIDE
ALMOND	8/19/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	2.25	GA	43.5	8S15E2	HERBICIDE
CORN FOR/FOD	8/20/2008	BIFENTURE	BIFENTHRIN	A	10.19	GA	243	8S15E6	INSECTICIDE
CORN FOR/FOD	8/20/2008	BIFENTURE	BIFENTHRIN	A	9.8	GA	233.7	7S15E31	INSECTICIDE
CORN FOR/FOD	8/21/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	1	GA	20	8S15E7	INSECTICIDE
CORN FOR/FOD	8/21/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	2	GA	40	8S15E8	INSECTICIDE
TOMATO	8/23/2008	DU PONT AVAUNT INSECTICIDE	INDOXACARB	A	14.66	LBS	69.2	8S15E6	INSECTICIDE
TOMATO	8/23/2008	CABRIO EG FUNGICIDE	PYRACLOSTROBIN	A	52.98	LBS	69.2	8S15E6	FUNGICIDE
ALFALFA	8/24/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	17	GA	136	8S14E2	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	8/24/2008	STEWARD EC	INDOXACARB	A	2.5	GA	40	8S14E2	INSECTICIDE
ALMOND	8/26/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.9	GA	7	8S15E2	HERBICIDE
ALFALFA	8/27/2008	STEWARD EC	INDOXACARB	G	767.6	OZ	95	7S15E33	INSECTICIDE
ALFALFA	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	5.63	GA	45	8S14E9	INSECTICIDE
ALFALFA	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	5.75	GA	46	8S14E9	INSECTICIDE
ALFALFA	8/27/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	7.75	GA	62	8S14E8	INSECTICIDE
ALFALFA	8/27/2008	NUFOS 4E	CHLORPYRIFOS	A	12.75	GA	68	8S15E3	INSECTICIDE

Figure 80. Location of pesticide use for Miles Creek @ Reilly Rd – Irrigation 5 SED



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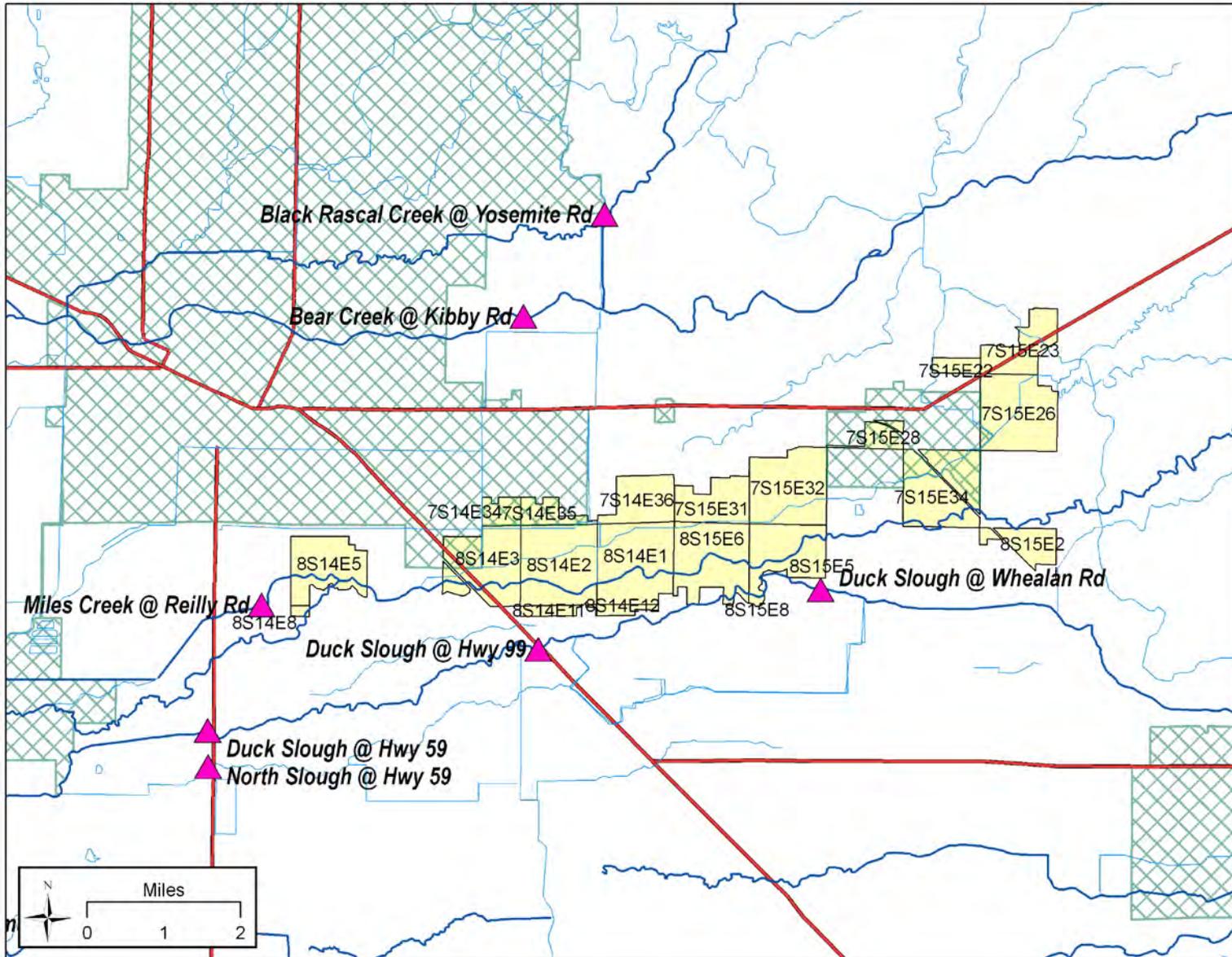
**Irrigation 5 RS (10/2/08) – *Hyalella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN HUMAN CONSUMP	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	1250	LBS	125	8S15E5	INSECTICIDE
PISTACHIO	5/2/2008	BAYTHROID 2 EMULSIFIABLE PYRETHROID INSE	CYFLUTHRIN	G	126	OZ	45	8S14E2	INSECTICIDE
ALMOND	5/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	53	OZ	8.2	7S14E35	INSECTICIDE
PEACH	5/25/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	80	OZ	10	8S14E11	INSECTICIDE
COTTON	6/3/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	46.18	FLOZ	39	7S14E36	INSECTICIDE
COTTON	6/3/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	23.68	FLOZ	20	7S14E36	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.69	GA	29	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.37	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/4/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.44	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/6/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	1.9	GA	75	8S15E5	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.38	GA	16	8S14E2	INSECTICIDE
COTTON	6/11/2008	MUSTANG 1.5 EW INSECTICIDE	(S)-CYPERMETHRIN	G	0.6	GA	25	8S14E1	INSECTICIDE
CORN FOR/FOD	6/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1	GA	38	8S14E5	INSECTICIDE
COTTON	6/16/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	432	OZ	108	8S14E12	INSECTICIDE
OAT FOR/FOD	6/16/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	1904.66	LBS	233.7	7S15E31	INSECTICIDE
OAT FOR/FOD	6/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	2050.92	LBS	243	8S15E6	INSECTICIDE
COTTON	6/19/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	46.18	FLOZ	39	7S14E36	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.43	GA	18.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.36	GA	15.5	8S15E6	INSECTICIDE
COTTON	6/26/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.68	GA	29	8S15E6	INSECTICIDE
COTTON	6/28/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.76	GA	75	8S15E5	INSECTICIDE
CORN FOR/FOD	6/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.53	GA	51	7S15E22	INSECTICIDE
COTTON	7/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.35	GA	16	8S14E2	INSECTICIDE
ALMOND	7/2/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	2048	OZ	160	7S14E34	INSECTICIDE
COTTON	7/2/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.17	GA	50	8S14E1	INSECTICIDE
COTTON	7/3/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	G	102.63	FLOZ	39	7S14E36	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	76	OZ	19	8S15E8	INSECTICIDE
PISTACHIO	7/3/2008	PERMETHRIN 3.2 EC INSECTICIDE	PERMETHRIN	A	12.5	GA	100	7S15E23	INSECTICIDE
ALMOND	7/3/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	128	OZ	32	8S14E5	INSECTICIDE
CORN FOR/FOD	7/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	3.42	GA	114	7S15E26	INSECTICIDE
CORN FOR/FOD	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	3.12	GA	105	7S14E35	INSECTICIDE
CORN FOR/FOD	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	2.38	GA	80	7S14E35	INSECTICIDE
PISTACHIO	7/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	160	OZ	40	8S15E5	INSECTICIDE
ALFALFA	7/15/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	A	3.7	GA	110	7S15E26	INSECTICIDE
ALMOND	7/15/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	13.5	GA	135	8S15E2	INSECTICIDE
SUDANGRASS	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.6	GA	20	8S14E3	INSECTICIDE
COTTON	7/30/2008	LEVERAGE 2.7 SUSPENSION EMULSION INSECTI	CYFLUTHRIN	A	1.06	GA	39	7S14E36	INSECTICIDE
TOMATO	7/30/2008	MUSTANG INSECTICIDE	(S)-CYPERMETHRIN	G	3.18	QT	34	8S15E6	INSECTICIDE
SQUASH	8/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	272	OZ	34	7S15E28	INSECTICIDE
ALMOND	8/7/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8	GA	76	8S15E8	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/7/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.8	GA	25	8S15E2	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	37.2	PT	33	7S15E34	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	3.7	GA	130	8S15E2	INSECTICIDE
ALMOND	8/8/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	7.92	PT	7	7S15E34	INSECTICIDE
TOMATO	8/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.63	GA	69.2	8S15E6	INSECTICIDE
ALMOND	8/14/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	7.8	GA	78	8S15E8	INSECTICIDE
CORN FOR/FOD	8/20/2008	BIFENTURE	BIFENTHRIN	A	10.19	GA	243	8S15E6	INSECTICIDE
CORN FOR/FOD	8/20/2008	BIFENTURE	BIFENTHRIN	A	9.8	GA	233.7	7S15E31	INSECTICIDE
ALMOND	9/5/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	28	GA	78	8S15E8	HERBICIDE
TOMATO	9/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	A	3.9	GA	52	8S15E6	INSECTICIDE
SQUASH	9/5/2008	CAPTURE 2 EC-CAL	BIFENTHRIN	A	1.75	GA	35	7S15E28	INSECTICIDE
SQUASH	9/5/2008	QUADRIS FLOWABLE FUNGICIDE	AZOXYSTROBIN	A	4	GA	35	7S15E28	FUNGICIDE
ALMOND	9/6/2008	LAMBDA T	LAMBDA-CYHALOTHRIN	A	2	GA	88	8S14E12	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	9/8/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	2.55	GA	5.1	7S15E32	HERBICIDE
WALNUT	9/8/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	156	PT	78	8S14E11	HERBICIDE
CORN FOR/FOD	9/10/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	40	PT	40	8S14E3	INSECTICIDE
ALFALFA	9/13/2008	STEWARD EC	INDOXACARB	A	5	GA	64	8S14E8	INSECTICIDE
ALFALFA	9/13/2008	STEWARD EC	INDOXACARB	A	5.31	GA	68	8S14E2	INSECTICIDE
ALMOND	9/13/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	31	GA	76	8S15E8	HERBICIDE
COTTON	9/24/2008	SUPER BOLL	ETHEPHON	G	7.31	GA	39	7S14E36	GROWTH REGULATOR
COTTON	9/24/2008	SUPER BOLL	ETHEPHON	G	3.75	GA	20	7S14E36	GROWTH REGULATOR
ALFALFA	9/25/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1	GA	35	7S14E35	INSECTICIDE
COTTON	9/30/2008	MFx COTTON HARVEST AID	ETHEPHON	G	12	GA	32	8S14E2	GROWTH REGULATOR
COTTON	10/2/2008	FINISH BRAND 6 HARVEST AID FOR COTTON	ETHEPHON	G	9.06	GA	58	8S15E6	GROWTH REGULATOR
COTTON	10/2/2008	FINISH BRAND 6 HARVEST AID FOR COTTON	ETHEPHON	G	4.84	GA	31	8S15E6	GROWTH REGULATOR

Figure 81. Location of pesticide use for Miles Creek @ Reilly Rd – Irrigation 5 SED RS



**Prairie Flower Drain @ Crows Landing Rd**

**Pesticide Use Reports for pesticide exceedances in the water column**

**Irrigation 4 (7/22/08) – dimethoate exceedance.**

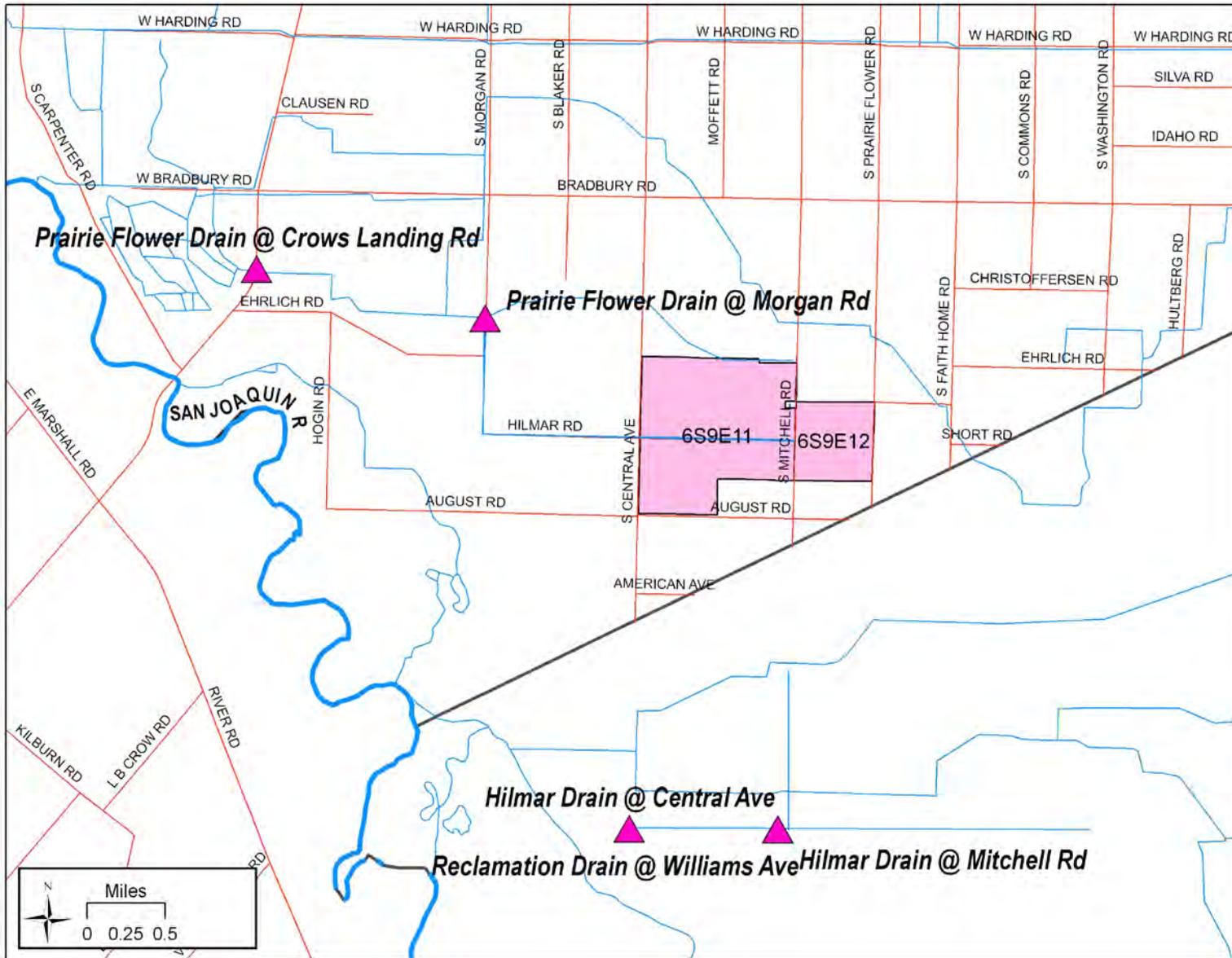
Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/1/2008	DIMETHOATE 267	DIMETHOATE	A	40	PT	40	6S9E2	INSECTICIDE
CORN FOR/FOD	7/1/2008	DIMETHOATE 267	DIMETHOATE	A	44	PT	44	6S9E3	INSECTICIDE
CORN FOR/FOD	7/1/2008	DIMETHOATE 267	DIMETHOATE	A	48	PT	48	6S9E2	INSECTICIDE
CORN FOR/FOD	7/7/2008	DIMETHOATE 4E	DIMETHOATE	G	4.75	GA	38	6S9E12	INSECTICIDE
CORN FOR/FOD	7/7/2008	DIMETHOATE 4E	DIMETHOATE	A	18	PT	18	6S9E4	INSECTICIDE
CORN FOR/FOD	7/7/2008	DIMETHOATE 4E	DIMETHOATE	A	10	PT	10	6S9E4	INSECTICIDE
CORN FOR/FOD	7/7/2008	DIMETHOATE 4E	DIMETHOATE	A	18	PT	18	6S9E4	INSECTICIDE
TOMATO PROCESS	7/8/2008	DIMETHOATE 400	DIMETHOATE	G	126	PT	126	6S9E9	INSECTICIDE
TOMATO PROCESS	7/8/2008	DIMETHOATE 400	DIMETHOATE	G	153	PT	153	6S9E9	INSECTICIDE
CORN FOR/FOD	7/10/2008	DREXEL DIMETHOATE 4EC	DIMETHOATE	G	5	GA	40	6S9E4	INSECTICIDE
CORN FOR/FOD	7/10/2008	DREXEL DIMETHOATE 4EC	DIMETHOATE	A	7.5	GA	60	6S9E4	INSECTICIDE
CORN FOR/FOD	7/14/2008	DREXEL DIMETHOATE 4EC	DIMETHOATE	A	320	OZ	20	6S9E3	INSECTICIDE
CORN FOR/FOD	7/15/2008	DREXEL DIMETHOATE 4EC	DIMETHOATE	G	2.5	GA	20	6S9E2	INSECTICIDE
CORN FOR/FOD	7/15/2008	DREXEL DIMETHOATE 4EC	DIMETHOATE	G	7.5	GA	61	6S9E2	INSECTICIDE
CORN FOR/FOD	7/18/2008	DIMETHOATE 4E	DIMETHOATE	A	130	PT	130	6S9E3	INSECTICIDE
CORN FOR/FOD	7/19/2008	DIMETHOATE 4E	DIMETHOATE	A	50	PT	50	6S9E2	INSECTICIDE
CORN FOR/FOD	7/21/2008	DIMETHOATE 4E	DIMETHOATE	A	19	PT	19	6S9E16	INSECTICIDE



**Irrigation 5 (8/19/08) – chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/25/2008	NUFOS 4E	CHLORPYRIFOS	A	428	PT	214	6S9E11	INSECTICIDE
CORN FOR/FOD	7/25/2008	NUFOS 4E	CHLORPYRIFOS	A	30	PT	15	6S9E11	INSECTICIDE
CORN FOR/FOD	8/5/2008	NUFOS 4E	CHLORPYRIFOS	A	9.5	GA	38	6S9E12	INSECTICIDE
CORN FOR/FOD	8/5/2008	NUFOS 4E	CHLORPYRIFOS	A	2.5	GA	10	6S9E12	INSECTICIDE
CORN FOR/FOD	8/5/2008	NUFOS 4E	CHLORPYRIFOS	A	1.25	GA	5	6S9E12	INSECTICIDE
CORN FOR/FOD	8/5/2008	NUFOS 4E	CHLORPYRIFOS	A	9	GA	36	6S9E12	INSECTICIDE

Figure 83. Location of chlorpyrifos use for Prairie Flower Drain @ Crows Landing Rd – Irrigation 5



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**Irrigation 5 (8/19/08) – malathion exceedance.**

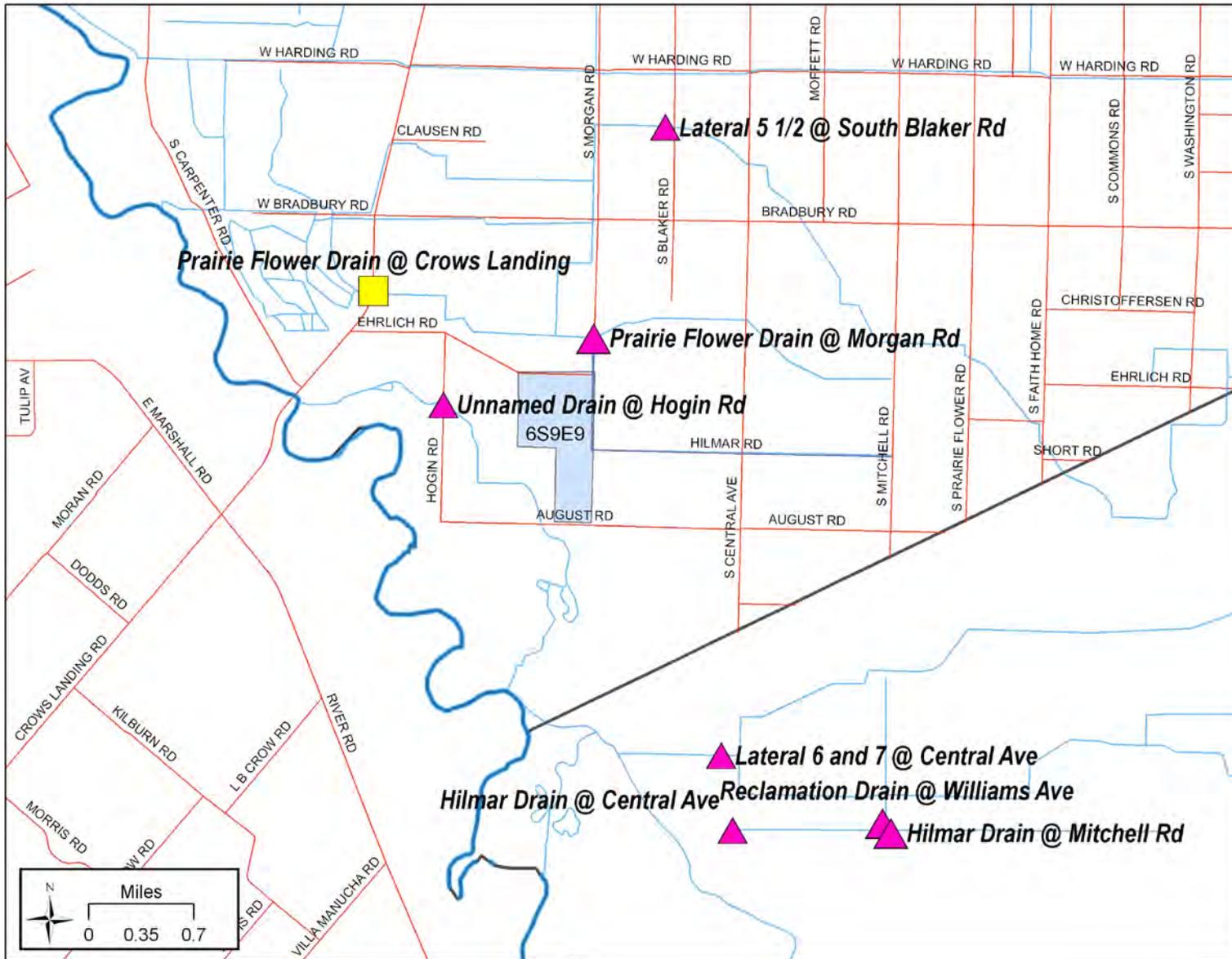
No applications within 30 days prior to exceedance. Only application reported was on 3/5/08.

**Pesticide Use Reports for toxicity in the water column**

**Irrigation 1 (4/22/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO PROCESS	4/8/2008	SECTAGON-K54	POTASSIUM N-METHYLDITHIOCARBAMATE	G	756	GA	126	6S9E9	HERBICIDE
TOMATO PROCESS	4/10/2008	SECTAGON-K54	POTASSIUM N-METHYLDITHIOCARBAMATE	G	918	GA	153	6S9E9	HERBICIDE

Figure 84. Location of pesticide use for Prairie Flower Drain @ Crows Landing Rd – Irrigation 1 MPM

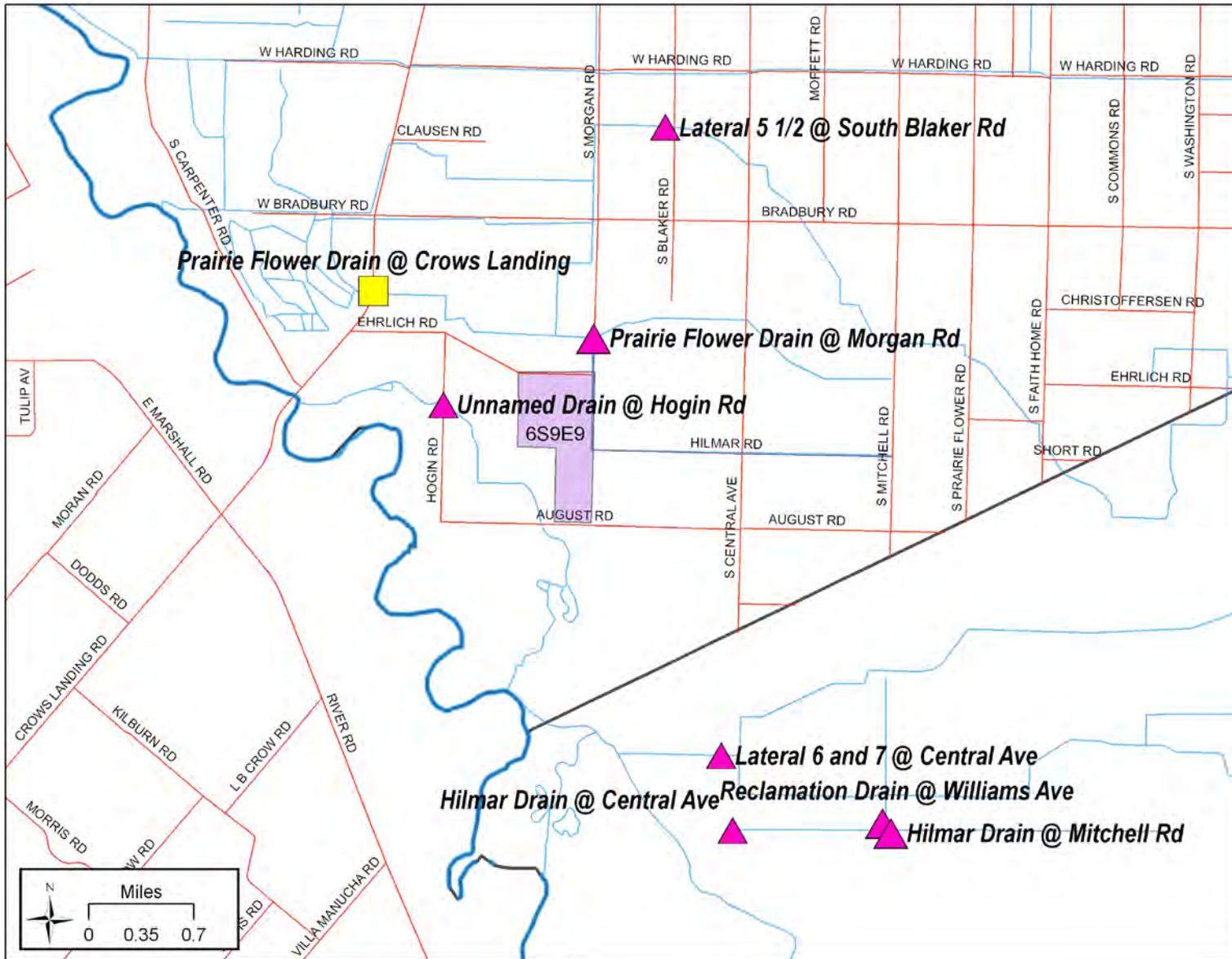


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**Irrigation 1 RS (4/29/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
TOMATO PROCESS	4/8/2008	SECTAGON-K54	POTASSIUM N-METHYLDITHIOCARBAMATE	G	756	GA	126	6S9E9	HERBICIDE
TOMATO PROCESS	4/10/2008	SECTAGON-K54	POTASSIUM N-METHYLDITHIOCARBAMATE	G	918	GA	153	6S9E9	HERBICIDE
TOMATO PROCESS	4/22/2008	SECTAGON-K54	POTASSIUM N-METHYLDITHIOCARBAMATE	G	756	GA	126	6S9E9	HERBICIDE
TOMATO PROCESS	4/22/2008	SECTAGON-K54	POTASSIUM N-METHYLDITHIOCARBAMATE	G	918	GA	153	6S9E9	HERBICIDE

Figure 85. Location of pesticide use for Prairie Flower Drain @ Crows Landing Rd – Irrigation 1 RS

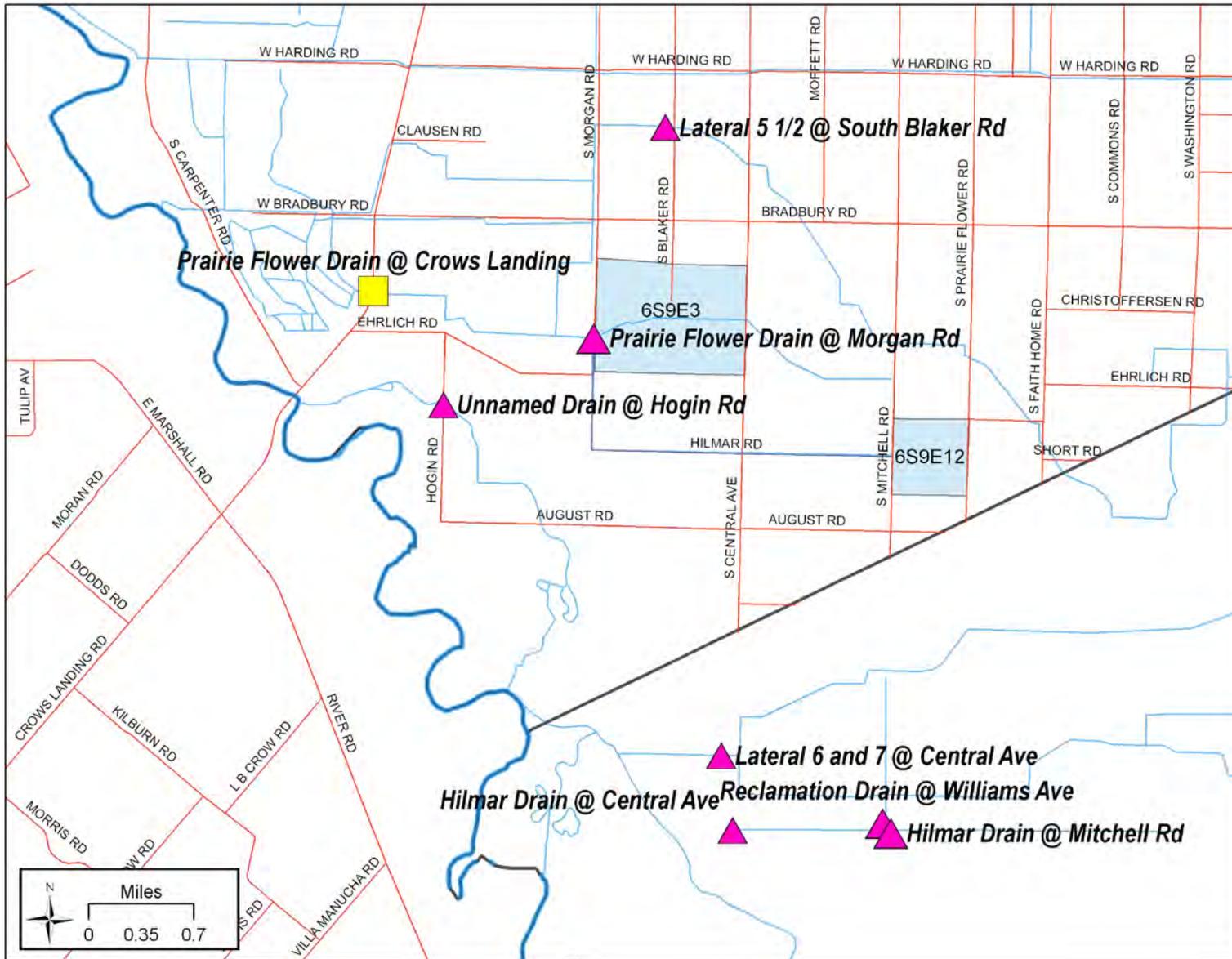


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**Irrigation 2 (5/20/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	5/15/2008	DU PONT ACCENT HERBICIDE	NICOSULFURON	G	0.63	LB	10	6S9E12	HERBICIDE
CORN FOR/FOD	5/15/2008	YUKON HERBICIDE	HALOSULFURON-METHYL	G	4.38	LB	10	6S9E12	HERBICIDE
CORN FOR/FOD	5/15/2008	YUKON HERBICIDE	DICAMBA, SODIUM SALT	G	4.38	LB	10	6S9E12	HERBICIDE
CORN FOR/FOD	5/19/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	17.5	GA	70	6S9E3	HERBICIDE
CORN FOR/FOD	5/19/2008	YUKON HERBICIDE	HALOSULFURON-METHYL	G	17.5	LB	70	6S9E3	HERBICIDE
CORN FOR/FOD	5/19/2008	YUKON HERBICIDE	DICAMBA, SODIUM SALT	G	17.5	LB	70	6S9E3	HERBICIDE
CORN FOR/FOD	5/19/2008	OPTION CORN HERBICIDE	FORAMSULFURON	G	3.83	LB	35	6S9E12	HERBICIDE
CORN FOR/FOD	5/19/2008	YUKON HERBICIDE	HALOSULFURON-METHYL	G	13.1	LB	35	6S9E12	HERBICIDE
CORN FOR/FOD	5/19/2008	YUKON HERBICIDE	DICAMBA, SODIUM SALT	G	13.1	LB	35	6S9E12	HERBICIDE

Figure 86. Location of pesticide use for Prairie Flower Drain @ Crows Landing Rd – Irrigation 2

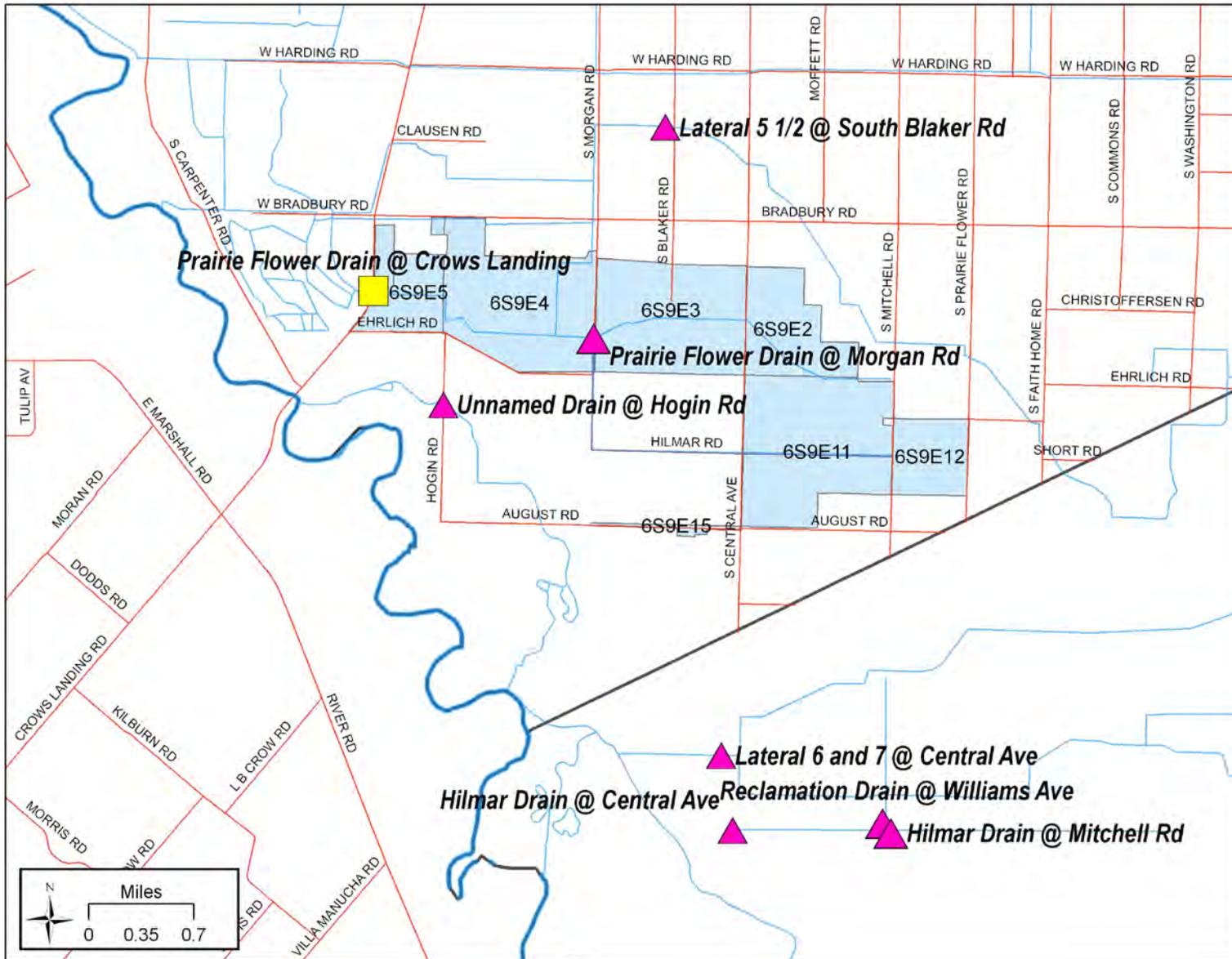


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**Irrigation 2 RS (5/27/08) – *Selenastrum capricornutum* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	5/15/2008	DU PONT ACCENT HERBICIDE	NICOSULFURON	G	0.63	LB	10	6S9E12	HERBICIDE
CORN FOR/FOD	5/15/2008	YUKON HERBICIDE	HALOSULFURON-METHYL	G	4.38	LB	10	6S9E12	HERBICIDE
CORN FOR/FOD	5/15/2008	YUKON HERBICIDE	DICAMBA, SODIUM SALT	G	4.38	LB	10	6S9E12	HERBICIDE
CORN FOR/FOD	5/19/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	17.5	GA	70	6S9E3	HERBICIDE
CORN FOR/FOD	5/19/2008	YUKON HERBICIDE	HALOSULFURON-METHYL	G	17.5	LB	70	6S9E3	HERBICIDE
CORN FOR/FOD	5/19/2008	YUKON HERBICIDE	DICAMBA, SODIUM SALT	G	17.5	LB	70	6S9E3	HERBICIDE
CORN FOR/FOD	5/19/2008	OPTION CORN HERBICIDE	FORAMSULFURON	G	3.83	LB	35	6S9E12	HERBICIDE
CORN FOR/FOD	5/19/2008	YUKON HERBICIDE	HALOSULFURON-METHYL	G	13.1	LB	35	6S9E12	HERBICIDE
CORN FOR/FOD	5/19/2008	YUKON HERBICIDE	DICAMBA, SODIUM SALT	G	13.1	LB	35	6S9E12	HERBICIDE
CORN FOR/FOD	5/22/2008	YUKON HERBICIDE	HALOSULFURON-METHYL	G	192	OZ	32	6S9E4	HERBICIDE
CORN FOR/FOD	5/22/2008	YUKON HERBICIDE	DICAMBA, SODIUM SALT	G	192	OZ	32	6S9E4	HERBICIDE
CORN FOR/FOD	5/22/2008	NUFARM CREDIT EXTRA	GLYPHOSATE	G	8	GA	32	6S9E4	HERBICIDE
CORN FOR/FOD	5/24/2008	AGRISOLUTIONS CORNERSTONE PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	14	GA	55	6S9E5	HERBICIDE
CORN FOR/FOD	5/26/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	32	GA	128	6S9E3	HERBICIDE
CORN FOR/FOD	5/26/2008	YUKON HERBICIDE	HALOSULFURON-METHYL	G	32	LB	128	6S9E3	HERBICIDE
CORN FOR/FOD	5/26/2008	YUKON HERBICIDE	DICAMBA, SODIUM SALT	G	32	LB	128	6S9E3	HERBICIDE
CORN FOR/FOD	5/26/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	11	GA	44	6S9E3	HERBICIDE
CORN FOR/FOD	5/26/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	10	GA	40	6S9E2	HERBICIDE
CORN FOR/FOD	5/26/2008	ROUNDUP POWERMAX HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	12	GA	48	6S9E2	HERBICIDE
CORN FOR/FOD	5/26/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	2.5	GA	6	6S9E11	HERBICIDE
CORN FOR/FOD	5/26/2008	DUPONT STEADFAST HERBICIDE	NICOSULFURON	G	4.7	LB	100	6S9E15	HERBICIDE
CORN FOR/FOD	5/26/2008	DUPONT STEADFAST HERBICIDE	RIMSULFURON	G	4.7	LB	100	6S9E15	HERBICIDE

Figure 87. Location of pesticide use for Prairie Flower Drain @ Crows Landing Rd – Irrigation 2 RS



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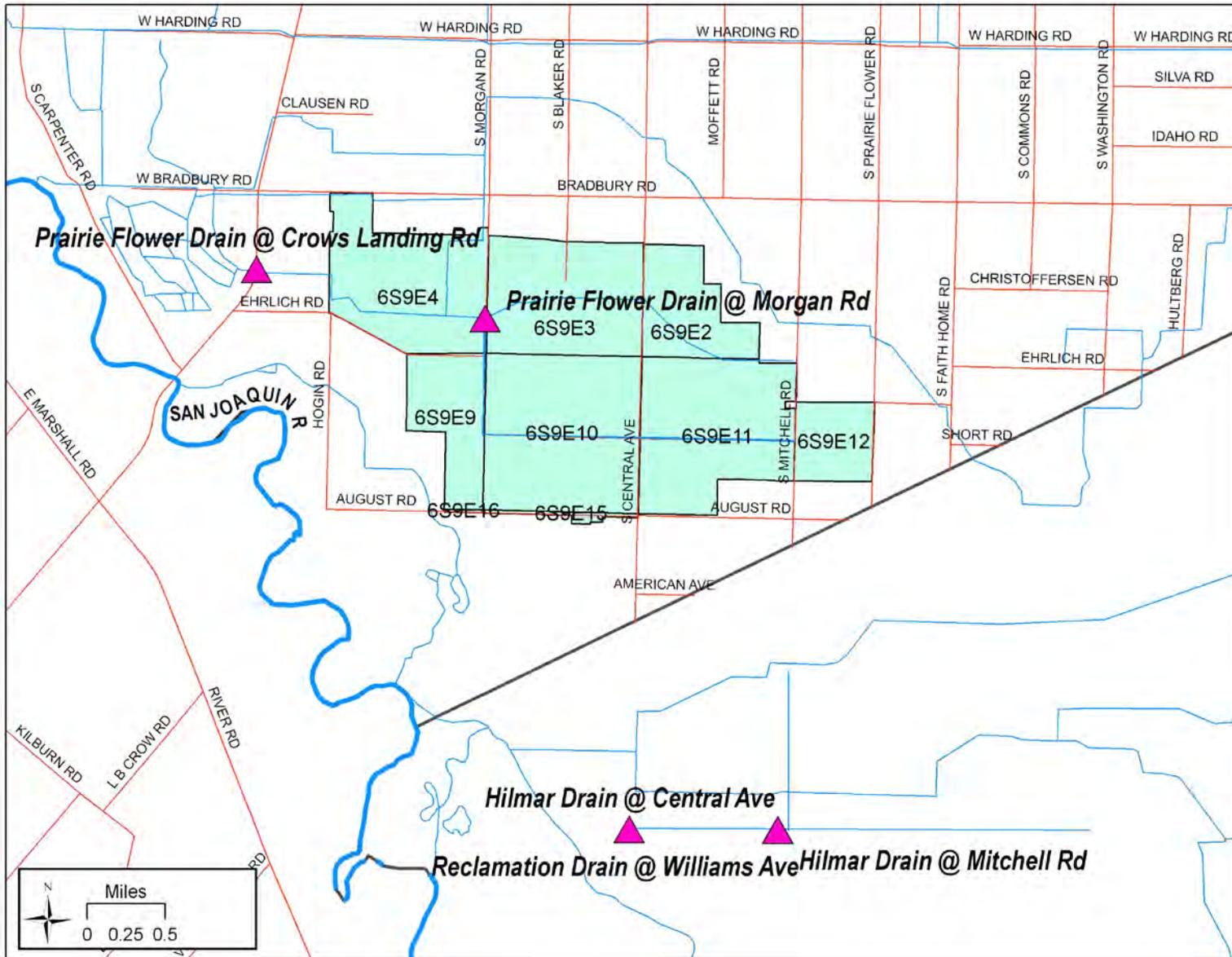
## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	0.48	GA	16	6S9E9	INSECTICIDE
ALFALFA	3/14/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.6	GA	55	6S9E16	INSECTICIDE
ALFALFA	3/17/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.9	GA	65	6S9E15	INSECTICIDE
ALFALFA	3/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1	GA	35	6S9E4	INSECTICIDE
ALFALFA	3/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.5	GA	17	6S9E4	INSECTICIDE
CORN FOR/FOD	6/16/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	816.5	OZ	230	6S9E16	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	A	255.64	OZ	44	6S9E3	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	A	232.4	OZ	40	6S9E2	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	A	278.88	OZ	48	6S9E2	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	108	OZ	18	6S9E4	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	108	OZ	18	6S9E4	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	60	OZ	10	6S9E4	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	G	1.9	GA	38	6S9E12	INSECTICIDE
TOMATO PROCESS	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1377	OZ	153	6S9E9	INSECTICIDE
TOMATO PROCESS	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1134	OZ	126	6S9E9	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	3	GA	60	6S9E4	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	G	2	GA	40	6S9E4	INSECTICIDE
CORN FOR/FOD	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.4	GA	45	6S9E9	INSECTICIDE
CORN FOR/FOD	7/14/2008	BIFENTURE	BIFENTHRIN	A	128	OZ	20	6S9E3	INSECTICIDE
CORN FOR/FOD	7/15/2008	DISCIPLINE CA	BIFENTHRIN	G	3	GA	61	6S9E2	INSECTICIDE
CORN FOR/FOD	7/15/2008	DISCIPLINE CA	BIFENTHRIN	G	1	GA	20	6S9E2	INSECTICIDE
CORN FOR/FOD	7/18/2008	BIFENTURE	BIFENTHRIN	A	832	OZ	130	6S9E3	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	320	OZ	50	6S9E2	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	121.6	OZ	19	6S9E16	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/22/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	6S9E11	INSECTICIDE
CORN FOR/FOD	7/22/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	6S9E11	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	57.6	OZ	9	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	121.6	OZ	19	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	102.4	OZ	16	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	32	OZ	5	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	140.8	OZ	22	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	192	OZ	30	6S9E3	INSECTICIDE
CORN FOR/FOD	7/25/2008	BIFENTURE	BIFENTHRIN	A	320	OZ	50	6S9E4	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	384	OZ	60	6S9E10	INSECTICIDE
CORN FOR/FOD	8/5/2008	NUFOS 4E	CHLORPYRIFOS	A	9.5	GA	38	6S9E12	INSECTICIDE
CORN FOR/FOD	8/5/2008	NUFOS 4E	CHLORPYRIFOS	A	2.5	GA	10	6S9E12	INSECTICIDE
CORN FOR/FOD	8/5/2008	NUFOS 4E	CHLORPYRIFOS	A	1.25	GA	5	6S9E12	INSECTICIDE
CORN FOR/FOD	8/5/2008	NUFOS 4E	CHLORPYRIFOS	A	9	GA	36	6S9E12	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	0.7	GA	15	6S9E9	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	3.75	GA	80	6S9E9	INSECTICIDE
CORN FOR/FOD	8/12/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	G	2.4	GA	36	6S9E12	INSECTICIDE
CORN FOR/FOD	8/12/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	GA	36	6S9E12	FUNGICIDE
CORN FOR/FOD	8/12/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	9	GA	36	6S9E12	HERBICIDE
CORN FOR/FOD	8/14/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	0.66	GA	14	6S9E12	INSECTICIDE
CORN FOR/FOD	8/17/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	G	1.1	GA	17	6S9E12	INSECTICIDE
CORN FOR/FOD	8/17/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.25	GA	17	6S9E12	FUNGICIDE
CORN FOR/FOD	8/17/2008	HONCHO PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	4.25	GA	17	6S9E12	HERBICIDE

Figure 88. Location of pesticide use for Prairie Flower Drain @ Crows Landing Rd – Irrigation 5 SED



**Irrigation 5 SED RS (10/2/08) – *Hyaella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	6/16/2008	LAMBDA-CY EC INSECTICIDE-RUP	LAMBDA-CYHALOTHRIN	G	816.5	OZ	230	6S9E16	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	A	255.64	OZ	44	6S9E3	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	A	232.4	OZ	40	6S9E2	INSECTICIDE
CORN FOR/FOD	7/1/2008	BIFENTURE	BIFENTHRIN	A	278.88	OZ	48	6S9E2	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	108	OZ	18	6S9E4	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	108	OZ	18	6S9E4	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	A	60	OZ	10	6S9E4	INSECTICIDE
CORN FOR/FOD	7/7/2008	BIFENTURE	BIFENTHRIN	G	1.9	GA	38	6S9E12	INSECTICIDE
TOMATO PROCESS	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1377	OZ	153	6S9E9	INSECTICIDE
TOMATO PROCESS	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	1134	OZ	126	6S9E9	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	A	3	GA	60	6S9E4	INSECTICIDE
CORN FOR/FOD	7/10/2008	BIFENTURE	BIFENTHRIN	G	2	GA	40	6S9E4	INSECTICIDE
CORN FOR/FOD	7/13/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	3.4	GA	45	6S9E9	INSECTICIDE
CORN FOR/FOD	7/14/2008	BIFENTURE	BIFENTHRIN	A	128	OZ	20	6S9E3	INSECTICIDE
CORN FOR/FOD	7/15/2008	DISCIPLINE CA	BIFENTHRIN	G	3	GA	61	6S9E2	INSECTICIDE
CORN FOR/FOD	7/15/2008	DISCIPLINE CA	BIFENTHRIN	G	1	GA	20	6S9E2	INSECTICIDE
CORN FOR/FOD	7/18/2008	BIFENTURE	BIFENTHRIN	A	832	OZ	130	6S9E3	INSECTICIDE
CORN FOR/FOD	7/19/2008	BIFENTURE	BIFENTHRIN	A	320	OZ	50	6S9E2	INSECTICIDE
CORN FOR/FOD	7/21/2008	BIFENTURE	BIFENTHRIN	A	121.6	OZ	19	6S9E16	INSECTICIDE
CORN FOR/FOD	7/22/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	6S9E11	INSECTICIDE
CORN FOR/FOD	7/22/2008	BIFENTURE	BIFENTHRIN	A	256	OZ	40	6S9E11	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	57.6	OZ	9	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	121.6	OZ	19	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	102.4	OZ	16	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	32	OZ	5	6S9E3	INSECTICIDE
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	140.8	OZ	22	6S9E3	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/24/2008	BIFENTURE	BIFENTHRIN	A	192	OZ	30	6S9E3	INSECTICIDE
CORN FOR/FOD	7/25/2008	BIFENTURE	BIFENTHRIN	A	320	OZ	50	6S9E4	INSECTICIDE
CORN FOR/FOD	7/26/2008	BIFENTURE	BIFENTHRIN	A	384	OZ	60	6S9E10	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	0.7	GA	15	6S9E9	INSECTICIDE
CORN FOR/FOD	8/6/2008	BIFENTURE	BIFENTHRIN	A	3.75	GA	80	6S9E9	INSECTICIDE
CORN FOR/FOD	9/2/2008	BIFENTURE	BIFENTHRIN	A	576	OZ	90	6S9E16	INSECTICIDE
CORN FOR/FOD	9/6/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	O	425	OZ	50	6S9E15	INSECTICIDE



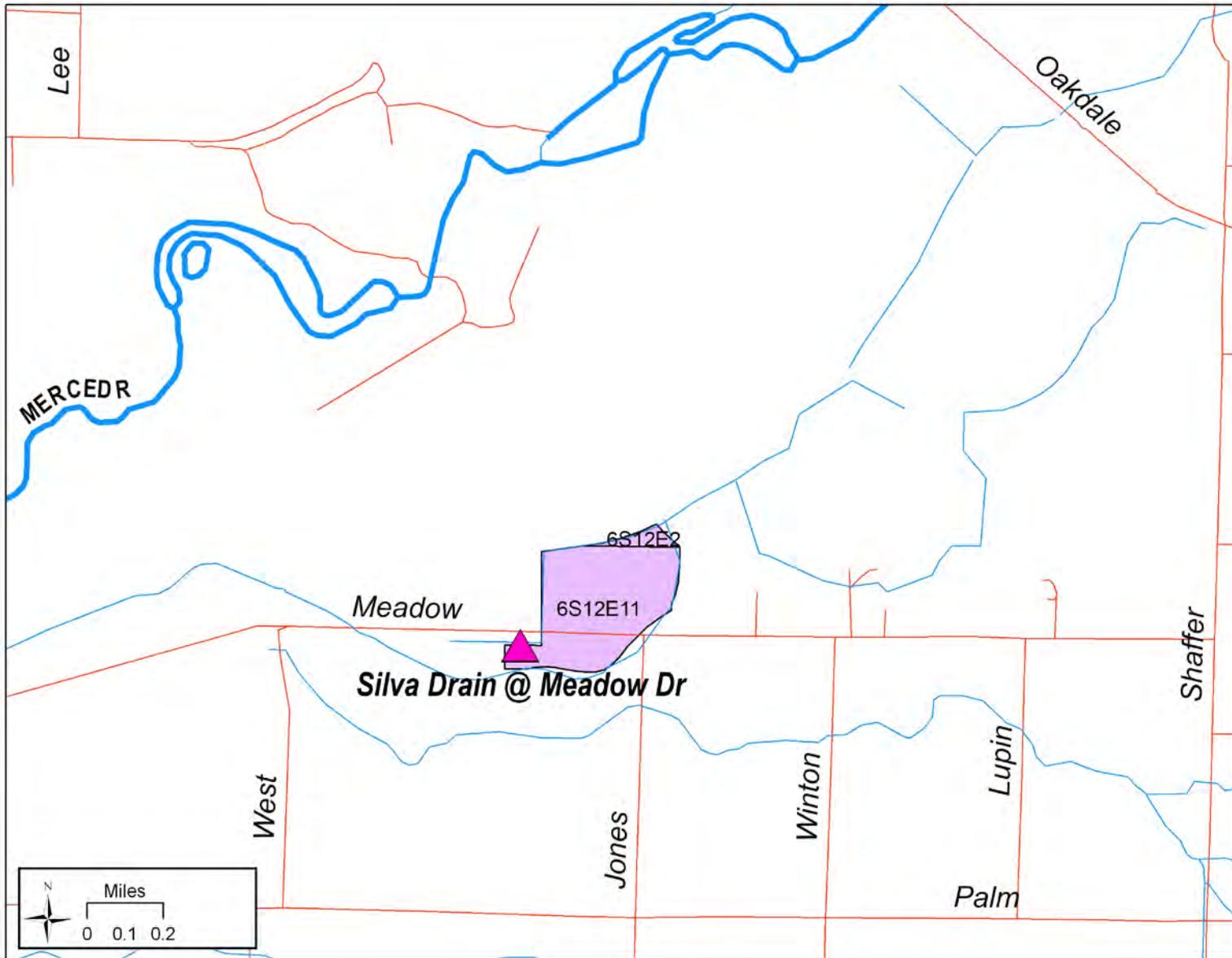
***Silva Drain @ Meadow Dr***

**Pesticide Use Reports for pesticide exceedances in the water column**

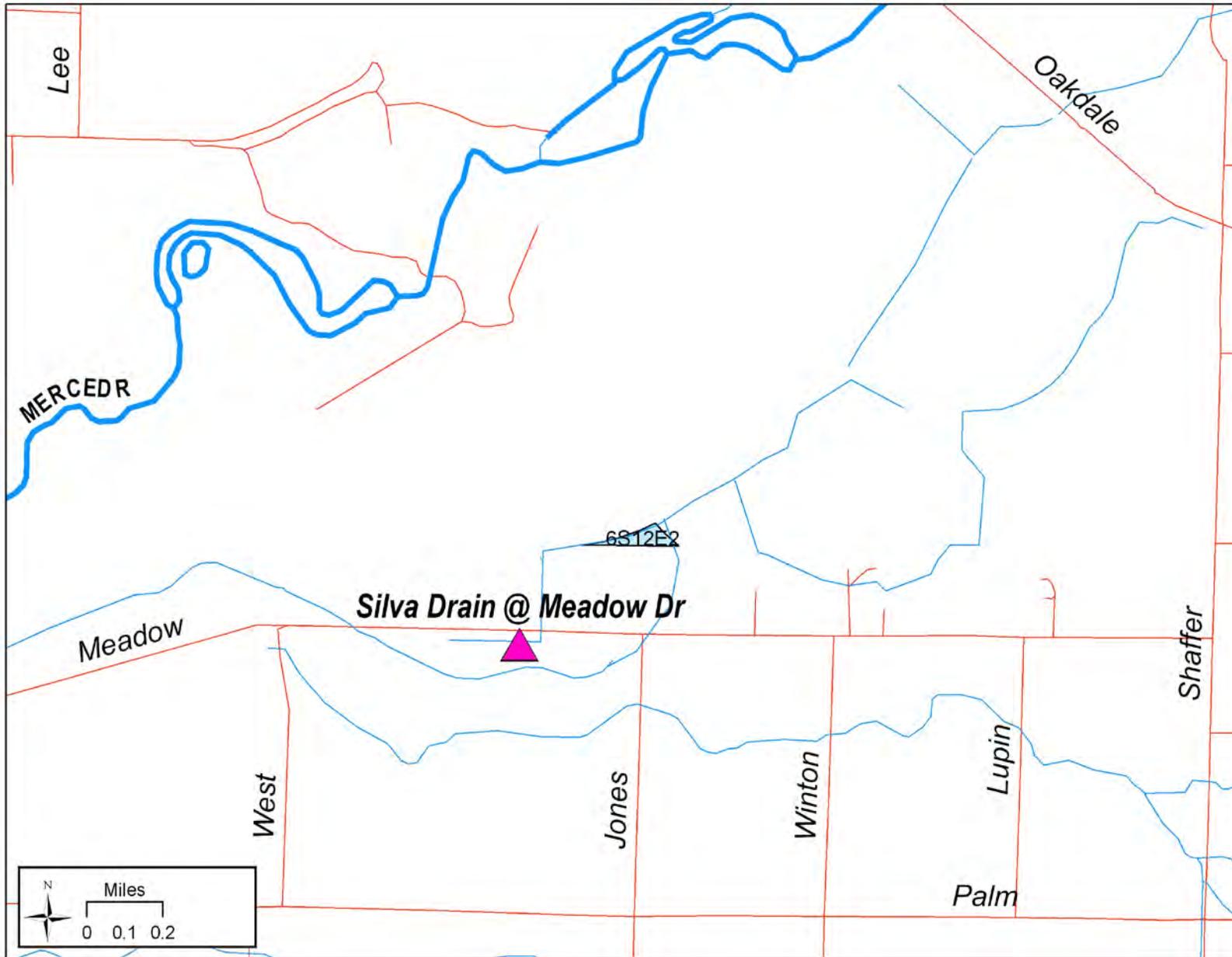
**Irrigation 4 (7/22/08) - chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	6/24/2008	LORSBAN-4E	CHLORPYRIFOS	G	4	QT	5	6S12E11	INSECTICIDE
CORN FOR/FOD	7/18/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	2.63	GA	14	6S12E2	INSECTICIDE
CORN FOR/FOD	7/18/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	0.75	GA	4	6S12E2	INSECTICIDE

Figure 90. Location of chlorpyrifos use for Silva Drain @ Meadow Dr – Irrigation 4



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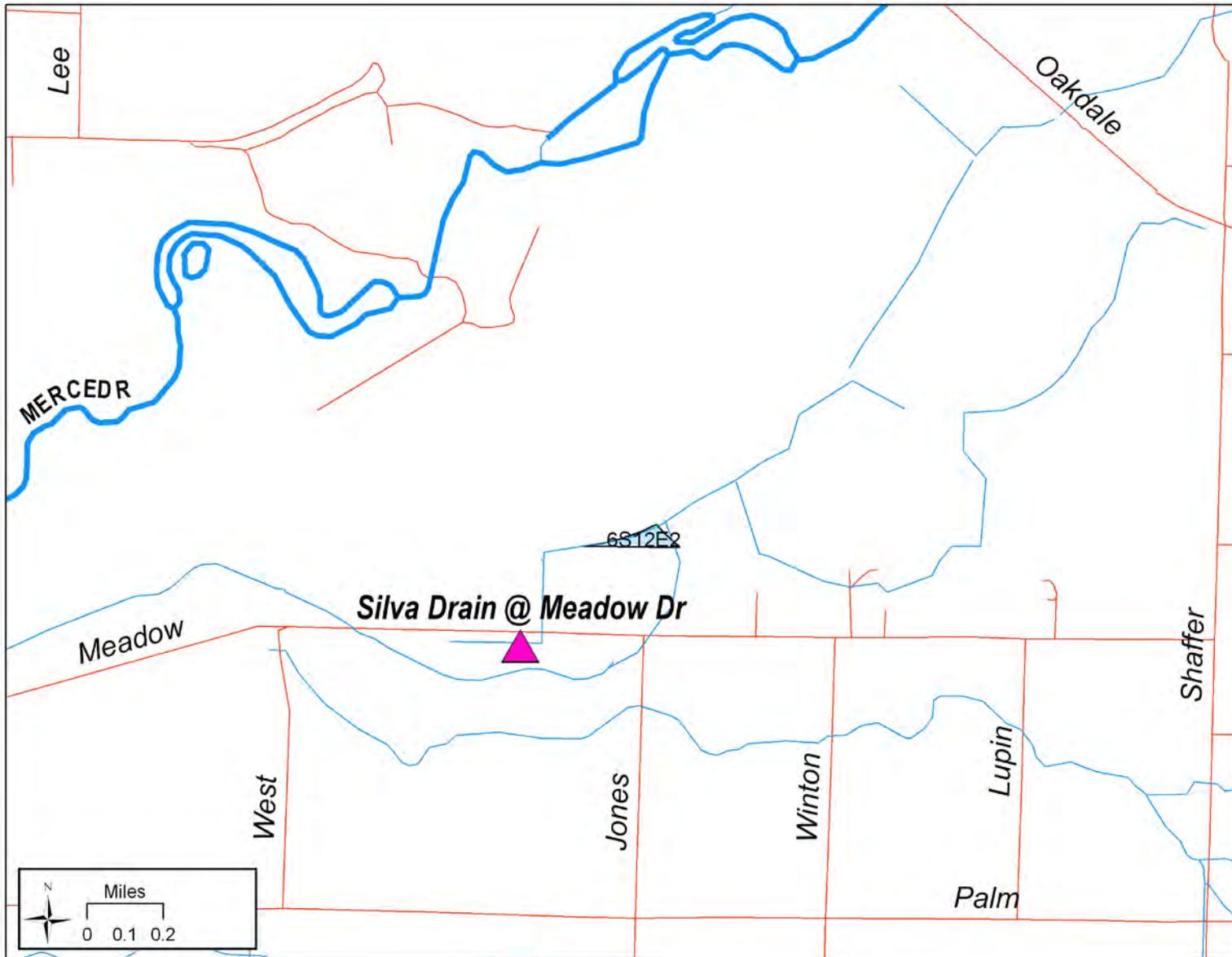


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**Irrigation 5 MPM (8/5/08) - chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/18/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	2.63	GA	14	6S12E2	INSECTICIDE
CORN FOR/FOD	7/18/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	0.75	GA	4	6S12E2	INSECTICIDE

Figure 91. Location of chlorpyrifos use for Silva Drain @ Meadow Dr – Irrigation 5 MPM



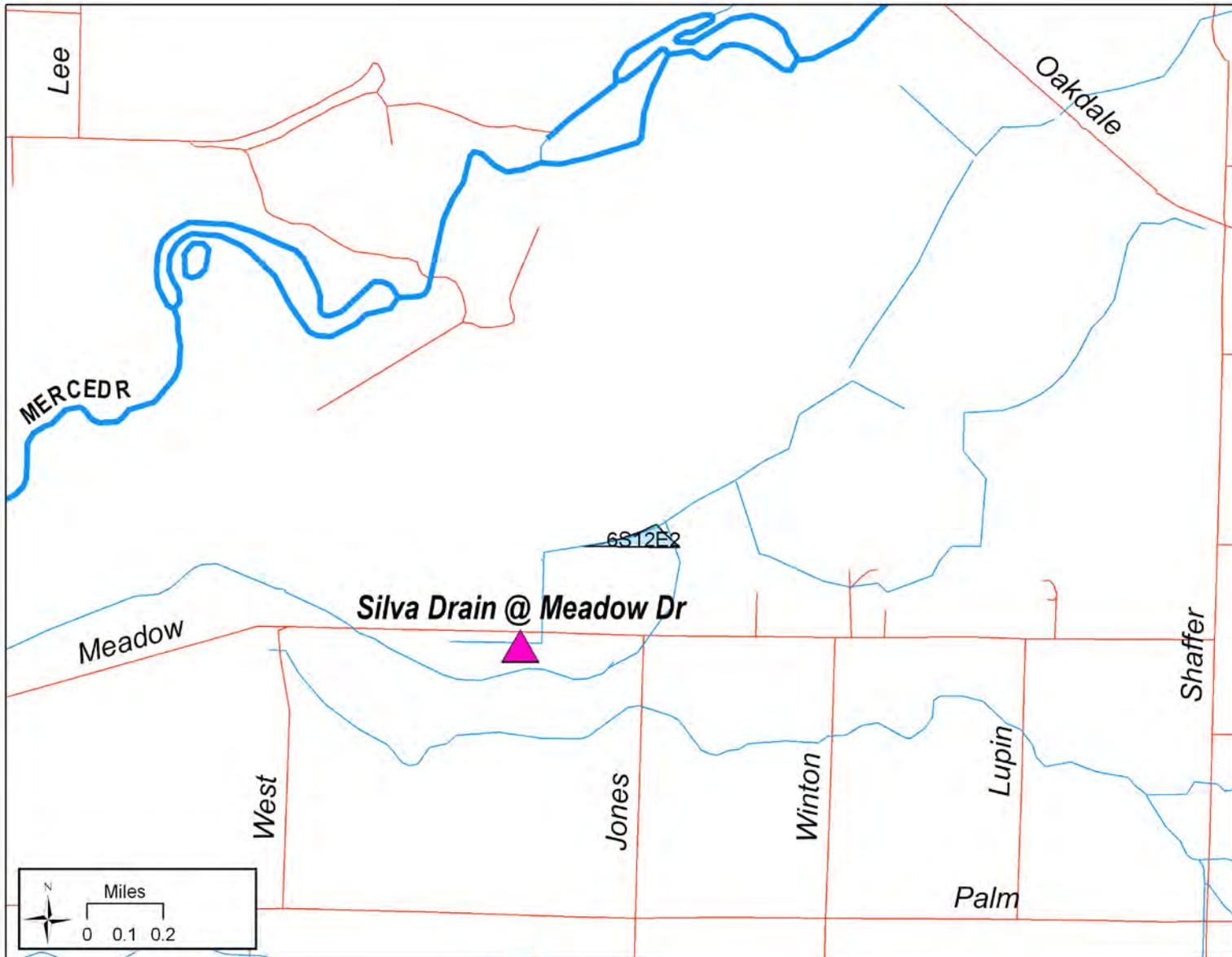
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**Irrigation 5 (8/19/08) - chlorpyrifos exceedance.**

No reported use of chlorpyrifos within four weeks prior to the exceedance. Applications that occurred within eight weeks prior to the exceedance are shown.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/18/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	2.63	GA	14	6S12E2	INSECTICIDE
CORN FOR/FOD	7/18/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	0.75	GA	4	6S12E2	INSECTICIDE

Figure 92. Location of chlorpyrifos use for Silva Drain @ Meadow Dr – Irrigation 5



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**Pesticide Use Reports for metal exceedances in the water column**

**Irrigation 3 (6/17/08) – copper exceedance.**

No reported use of copper within 12 weeks prior to the exceedances. The last reported application occurred on January 11, 2008.

**Irrigation 5 (8/19/08) – copper exceedance.**

No applications after January 2008

**Irrigation 6 (9/23/08) – copper exceedance.**

No applications after January 2008

**Pesticide Use Reports for toxicity in the water column**

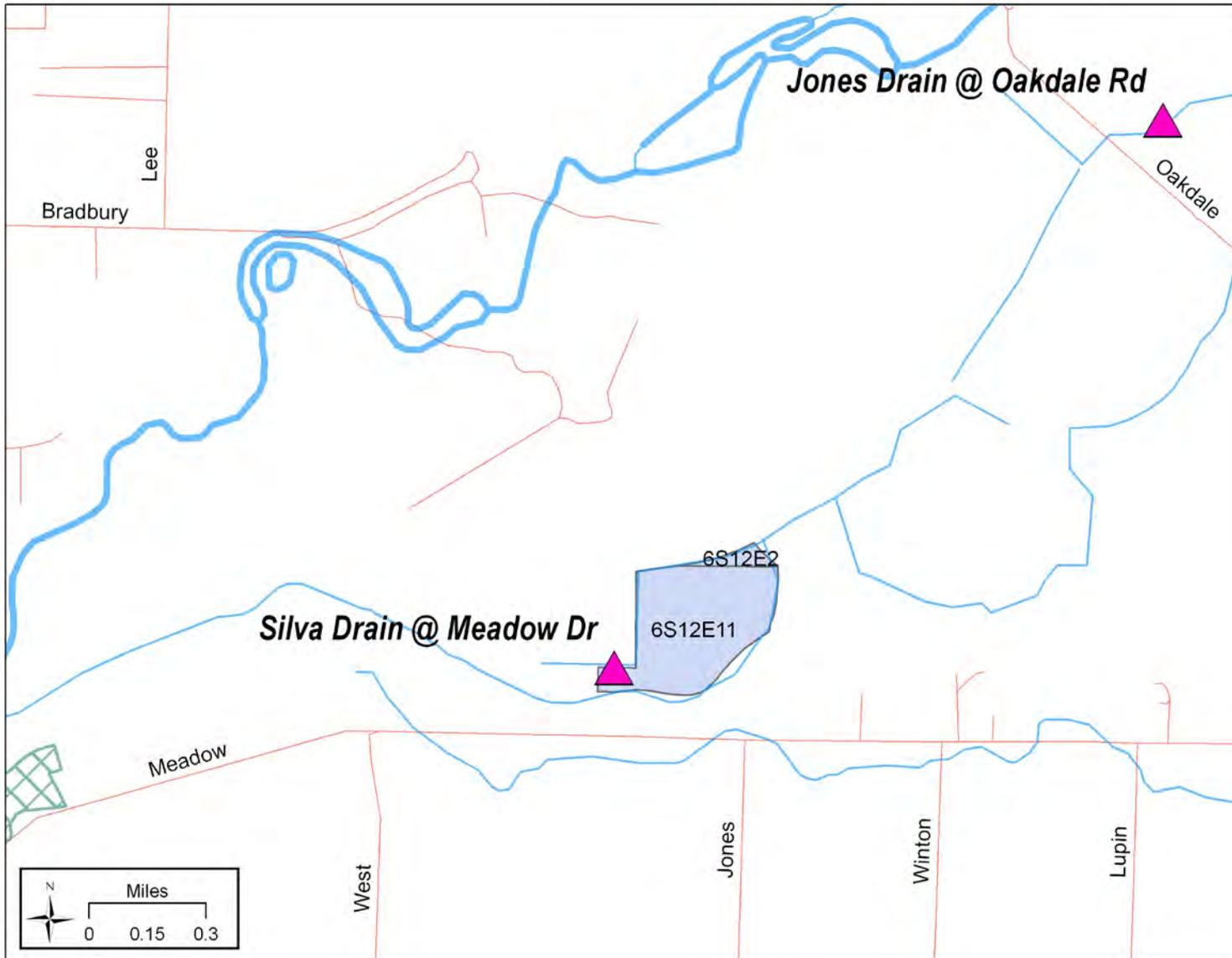
**Irrigation 3 (6/17/08) – *Pimephales promelas* toxicity.**

Elevated levels of ammonia in sample water may be responsible for toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	1/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	448	OZ	35	6S12E11	INSECTICIDE
ALMOND	1/4/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	435.2	OZ	34	6S12E11	INSECTICIDE
CORN FOR/FOD	4/28/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	47.7	6S12E2	INSECTICIDE
CORN FOR/FOD	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	31	6S12E2	INSECTICIDE
CORN FOR/FOD	4/30/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	17.3	6S12E2	INSECTICIDE
CORN FOR/FOD	5/1/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	32	6S12E2	INSECTICIDE
CORN FOR/FOD	5/5/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	33.2	6S12E2	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	25	6S12E11	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	54.4	6S12E2	INSECTICIDE
CORN FOR/FOD	5/9/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	31	6S12E11	INSECTICIDE
CORN FOR/FOD	5/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	72.7	6S12E2	INSECTICIDE
CORN FOR/FOD	5/14/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	72	6S12E2	INSECTICIDE
CORN FOR/FOD	5/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	35	6S12E11	INSECTICIDE
ALMOND	5/21/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	10	FLOZ	34	6S12E11	INSECTICIDE
ALMOND	5/21/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	10	FLOZ	35	6S12E11	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	34	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	35	6S12E11	INSECTICIDE
ALMOND	5/21/2008	GEM 500 SC FUNGICIDE	TRIFLOXYSTROBIN	G	3.2	FLOZ	34	6S12E11	FUNGICIDE
ALMOND	5/21/2008	GEM 500 SC FUNGICIDE	TRIFLOXYSTROBIN	G	3.2	FLOZ	35	6S12E11	FUNGICIDE
ALMOND	5/29/2008	ABBA 0.15 EC	Abamectin	G	50	OZ	5	6S12E11	INSECTICIDE
CORN FOR/FOD	6/8/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	7.11	GA	130.1	6S12E2	INSECTICIDE
ALMOND	6/12/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	25	LBS	15	6S12E11	INSECTICIDE
ALMOND	6/13/2008	ZORO MITICIDE/INSECTICIDE	ABAMECTIN	G	192	OZ	15	6S12E11	INSECTICIDE
CORN FOR/FOD	6/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	81	6S12E2	INSECTICIDE
ALMOND	6/17/2008	ESTEEM ANT BAIT	PYRIPROXYFEN	G	1.5	LBS	34	6S12E11	INSECTICIDE

Figure 93. Location of pesticide use for Silva Drain @ Meadow Dr – Irrigation 3

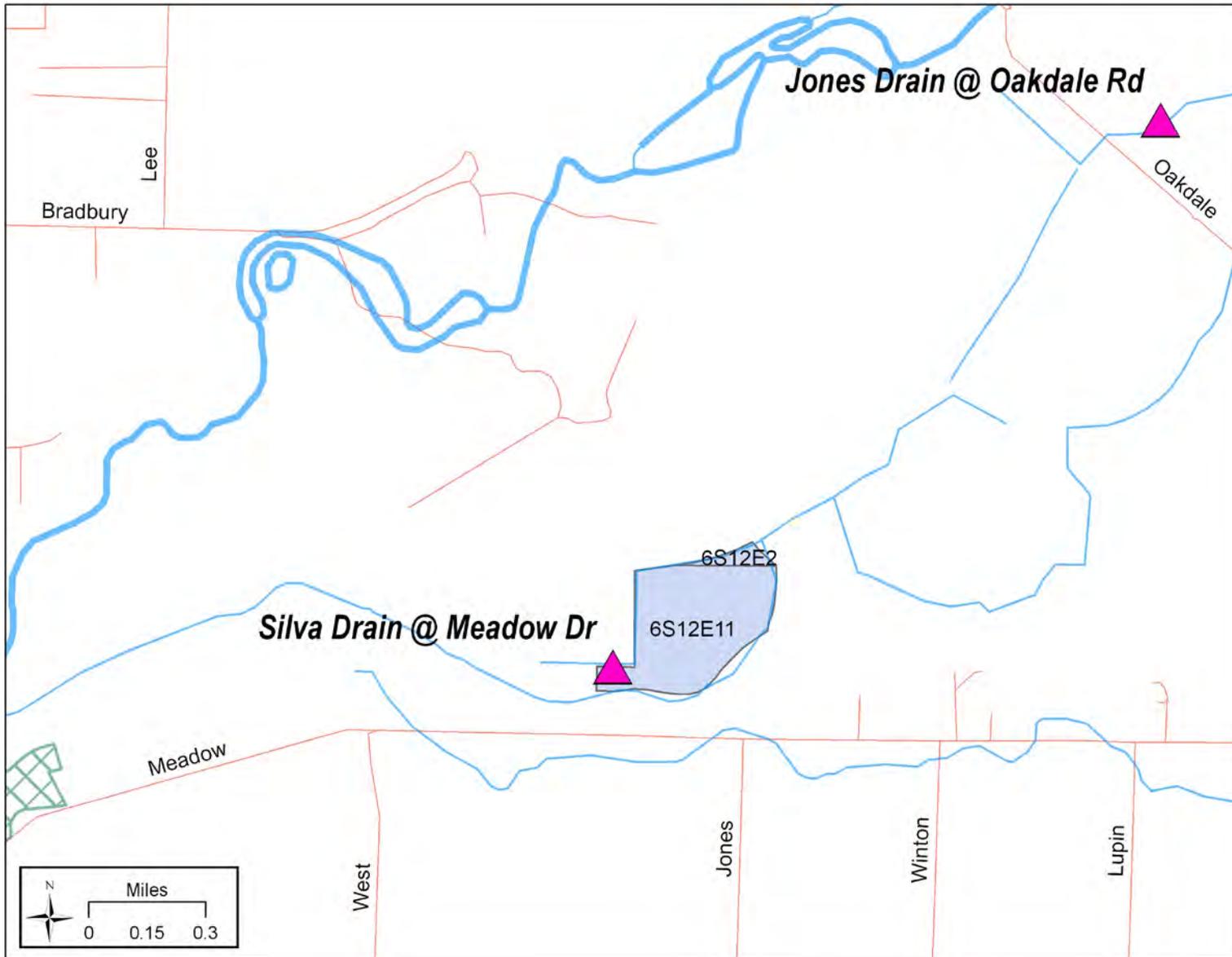


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**Irrigation 4 (7/22/08) – *Ceriodaphnia dubia* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	4/28/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	47.7	6S12E2	INSECTICIDE
CORN FOR/FOD	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	31	6S12E2	INSECTICIDE
CORN FOR/FOD	4/30/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	17.3	6S12E2	INSECTICIDE
CORN FOR/FOD	5/1/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	32	6S12E2	INSECTICIDE
CORN FOR/FOD	5/5/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	33.2	6S12E2	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	25	6S12E11	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	54.4	6S12E2	INSECTICIDE
CORN FOR/FOD	5/9/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	31	6S12E11	INSECTICIDE
CORN FOR/FOD	5/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	72.7	6S12E2	INSECTICIDE
CORN FOR/FOD	5/14/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	72	6S12E2	INSECTICIDE
CORN FOR/FOD	5/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	35	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	12.8	FLOZ	G	34	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	12.8	FLOZ	G	35	6S12E11	INSECTICIDE
CORN FOR/FOD	6/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	8	FLOZ	G	81	6S12E2	INSECTICIDE
ALMOND	6/24/2008	LORSBAN-4E	CHLORPYRIFOS	4	QT	G	5	6S12E11	INSECTICIDE
ALMOND	7/1/2008	FIRESTORM	PARAQUAT DICHLORIDE	5.06	GA	G	15	6S12E11	HERBICIDE
ALMOND	7/5/2008	FUSILADE DX HERBICIDE	FLUAZIFOP-P-BUTYL	288	OZ	G	12	6S12E11	INSECTICIDE
ALMOND	7/5/2008	FIRESTORM	PARAQUAT DICHLORIDE	12	QT	G	12	6S12E11	HERBICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	8	FLOZ	G	34	6S12E11	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	8	FLOZ	G	35	6S12E11	INSECTICIDE
CORN FOR/FOD	7/11/2008	COMITE	PROPARGITE	0.68	GA	A	35	6S12E11	INSECTICIDE
CORN FOR/FOD	7/11/2008	COMITE	PROPARGITE	2.83	GA	A	144.7	6S12E2	INSECTICIDE
CORN FOR/FOD	7/18/2008	LORSBAN 4E-HF	CHLORPYRIFOS	2.63	GA	A	14	6S12E2	INSECTICIDE
CORN FOR/FOD	7/18/2008	LORSBAN 4E-HF	CHLORPYRIFOS	0.75	GA	A	4	6S12E2	INSECTICIDE

Figure 94. Location of pesticide use for Silva Drain @ Meadow Dr – Irrigation 4

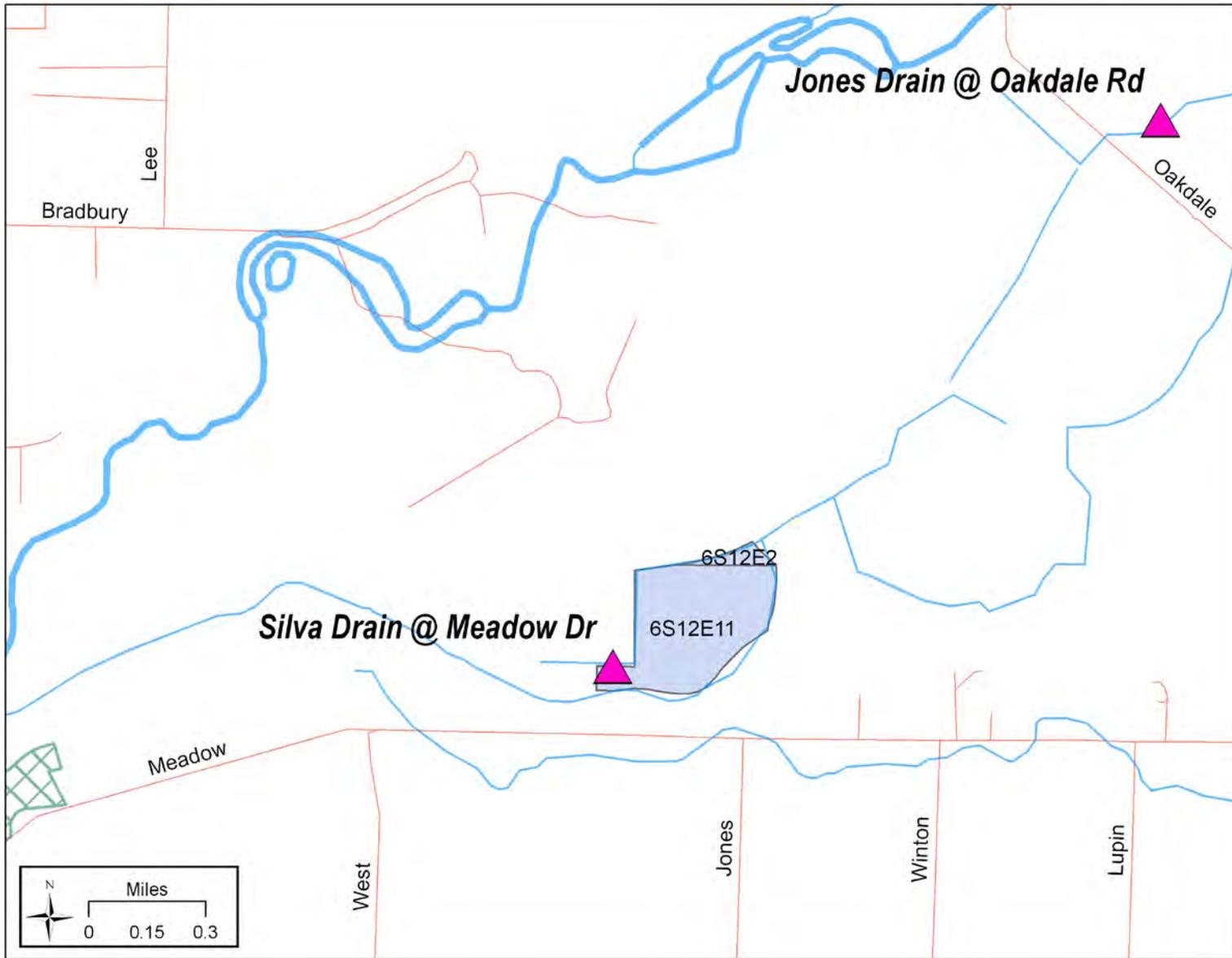


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**Irrigation 4 RS (7/29/08) – *Ceriodaphnia dubia* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	4/28/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	47.7	6S12E2	INSECTICIDE
CORN FOR/FOD	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	31	6S12E2	INSECTICIDE
CORN FOR/FOD	4/30/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	17.3	6S12E2	INSECTICIDE
CORN FOR/FOD	5/1/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	32	6S12E2	INSECTICIDE
CORN FOR/FOD	5/5/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	33.2	6S12E2	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	25	6S12E11	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	54.4	6S12E2	INSECTICIDE
CORN FOR/FOD	5/9/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	31	6S12E11	INSECTICIDE
CORN FOR/FOD	5/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	72.7	6S12E2	INSECTICIDE
CORN FOR/FOD	5/14/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	72	6S12E2	INSECTICIDE
CORN FOR/FOD	5/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	35	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	34	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	35	6S12E11	INSECTICIDE
CORN FOR/FOD	6/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	81	6S12E2	INSECTICIDE
ALMOND	7/1/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	5.06	GA	15	6S12E11	HERBICIDE
ALMOND	7/5/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	12	QT	12	6S12E11	HERBICIDE
ALMOND	7/5/2008	FUSILADE DX HERBICIDE	FLUAZIFOP-P-BUTYL	G	288	OZ	12	6S12E11	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8	FLOZ	34	6S12E11	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8	FLOZ	35	6S12E11	INSECTICIDE
CORN FOR/FOD	7/11/2008	COMITE	PROPARGITE	A	0.68	GA	35	6S12E11	INSECTICIDE
CORN FOR/FOD	7/11/2008	COMITE	PROPARGITE	A	2.83	GA	144.7	6S12E2	INSECTICIDE

Figure 95. Location of pesticide use for Silva Drain @ Meadow Dr – Irrigation 4 RS



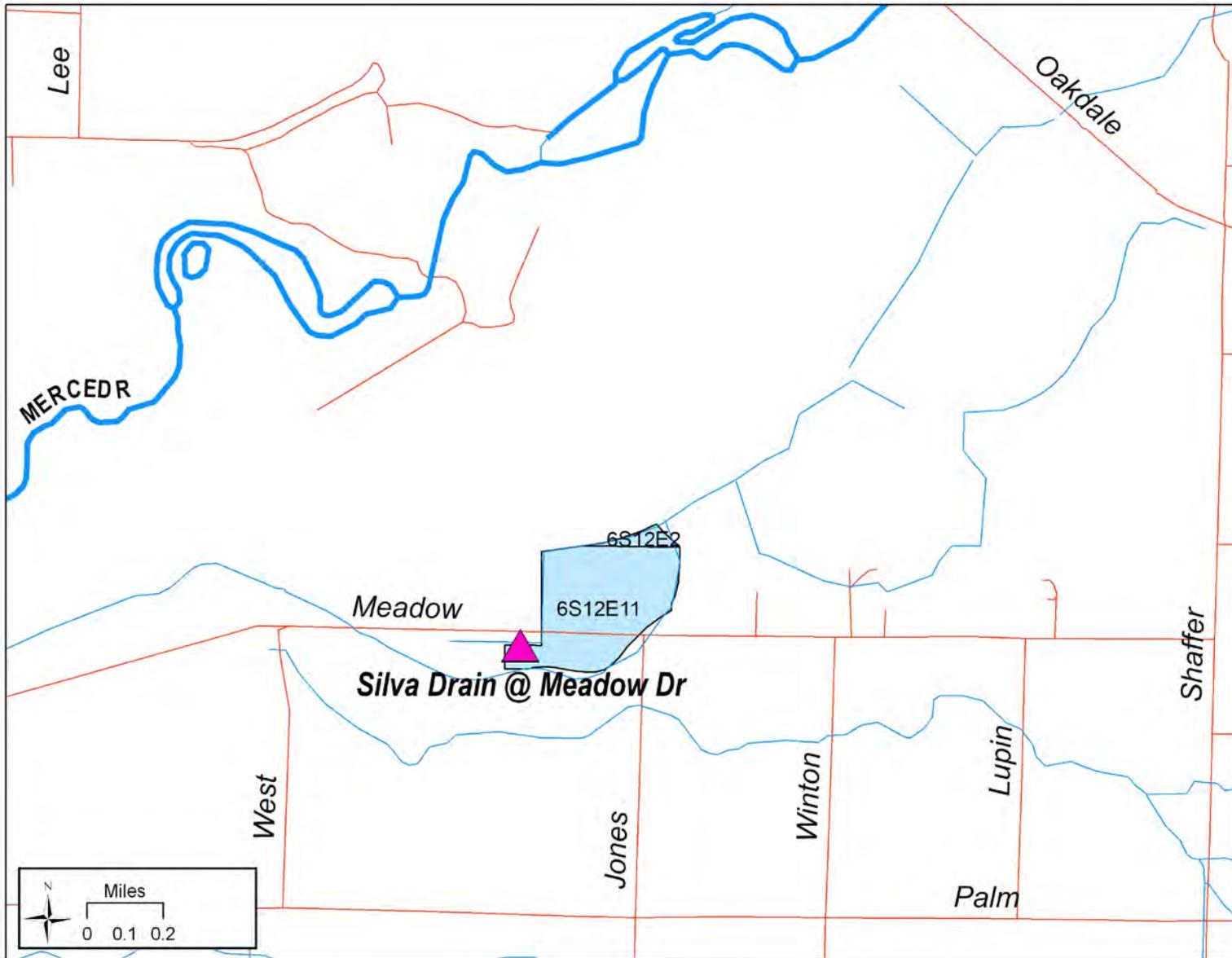
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## Pesticide Use Reports for sediment toxicity

### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	4/28/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	47.7	6S12E2	INSECTICIDE
CORN FOR/FOD	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	31	6S12E2	INSECTICIDE
CORN FOR/FOD	4/30/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	17.3	6S12E2	INSECTICIDE
CORN FOR/FOD	5/1/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	32	6S12E2	INSECTICIDE
CORN FOR/FOD	5/5/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	33.2	6S12E2	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	25	6S12E11	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	54.4	6S12E2	INSECTICIDE
CORN FOR/FOD	5/9/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	31	6S12E11	INSECTICIDE
CORN FOR/FOD	5/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	72.7	6S12E2	INSECTICIDE
CORN FOR/FOD	5/14/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	72	6S12E2	INSECTICIDE
CORN FOR/FOD	5/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	35	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	35	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	34	6S12E11	INSECTICIDE
CORN FOR/FOD	6/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	81	6S12E2	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8	FLOZ	34	6S12E11	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8	FLOZ	35	6S12E11	INSECTICIDE
ALMOND	8/1/2008	FIRESTORM	PARAQUAT DICHLORIDE	G	12.5	QT	12.5	6S12E11	HERBICIDE
CORN FOR/FOD	8/1/2008	OBERON 2SC INSECTICIDE/MITICIDE	SPIROMESIFEN	A	3	GA	52	6S12E11	INSECTICIDE

Figure 96. Location of pesticide use for Silva Drain @ Meadow Dr – Irrigation 5 SED

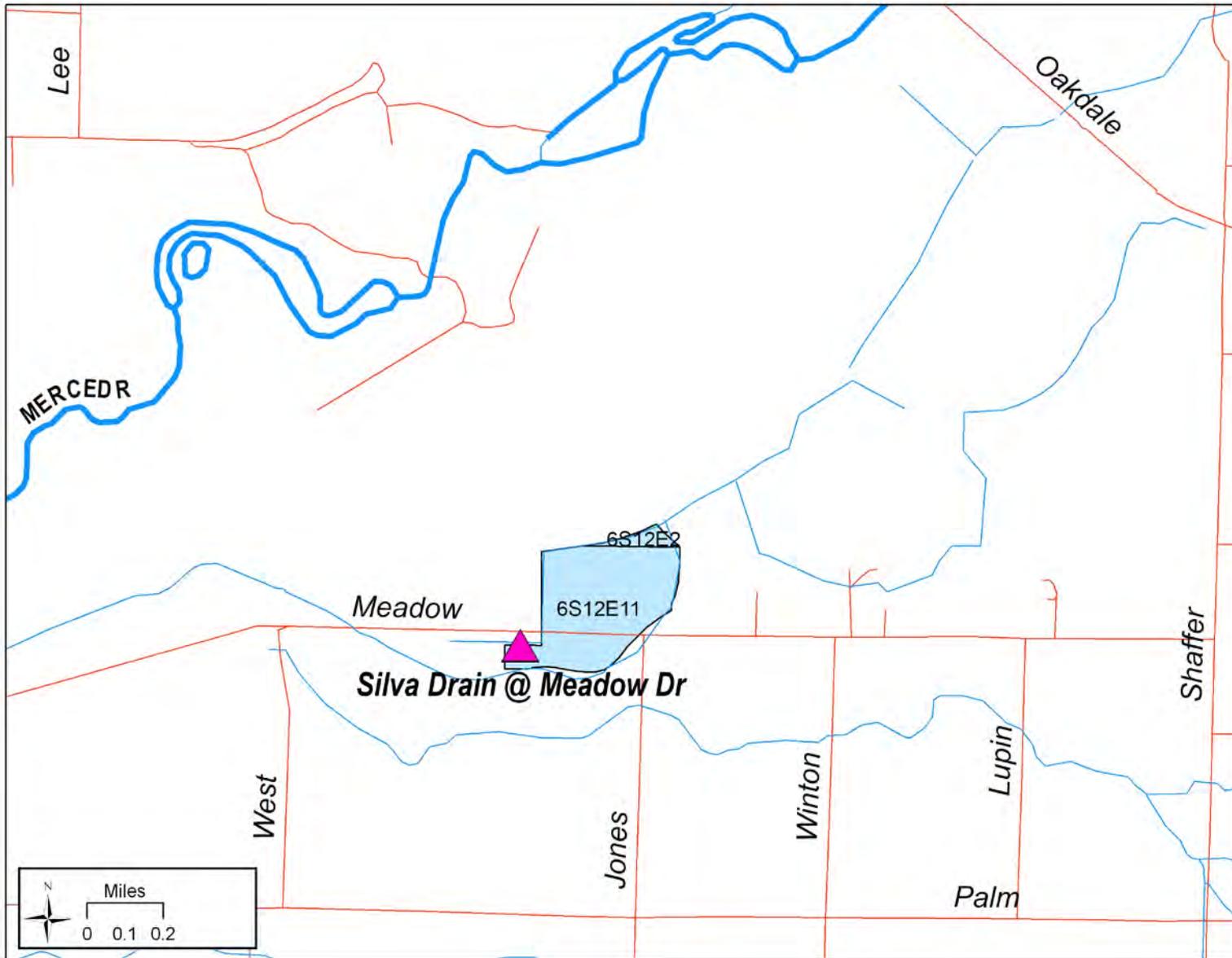


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**Irrigation 5 RS (10/2/08) – *Hyalella azteca* toxicity.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	4/28/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	47.7	6S12E2	INSECTICIDE
CORN FOR/FOD	4/29/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	31	6S12E2	INSECTICIDE
CORN FOR/FOD	4/30/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	17.3	6S12E2	INSECTICIDE
CORN FOR/FOD	5/1/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	32	6S12E2	INSECTICIDE
CORN FOR/FOD	5/5/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	33.2	6S12E2	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	25	6S12E11	INSECTICIDE
CORN FOR/FOD	5/6/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	54.4	6S12E2	INSECTICIDE
CORN FOR/FOD	5/9/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	31	6S12E11	INSECTICIDE
CORN FOR/FOD	5/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	72.7	6S12E2	INSECTICIDE
CORN FOR/FOD	5/14/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	72	6S12E2	INSECTICIDE
CORN FOR/FOD	5/17/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	35	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	35	6S12E11	INSECTICIDE
ALMOND	5/21/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	12.8	FLOZ	34	6S12E11	INSECTICIDE
CORN FOR/FOD	6/13/2008	POUNCE 1.5G INSECTICIDE	PERMETHRIN	G	8	FLOZ	81	6S12E2	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8	FLOZ	34	6S12E11	INSECTICIDE
ALMOND	7/10/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	8	FLOZ	35	6S12E11	INSECTICIDE

Figure 97. Location of pesticide use for Silva Drain @ Meadow Dr – Irrigation 5 SED RS



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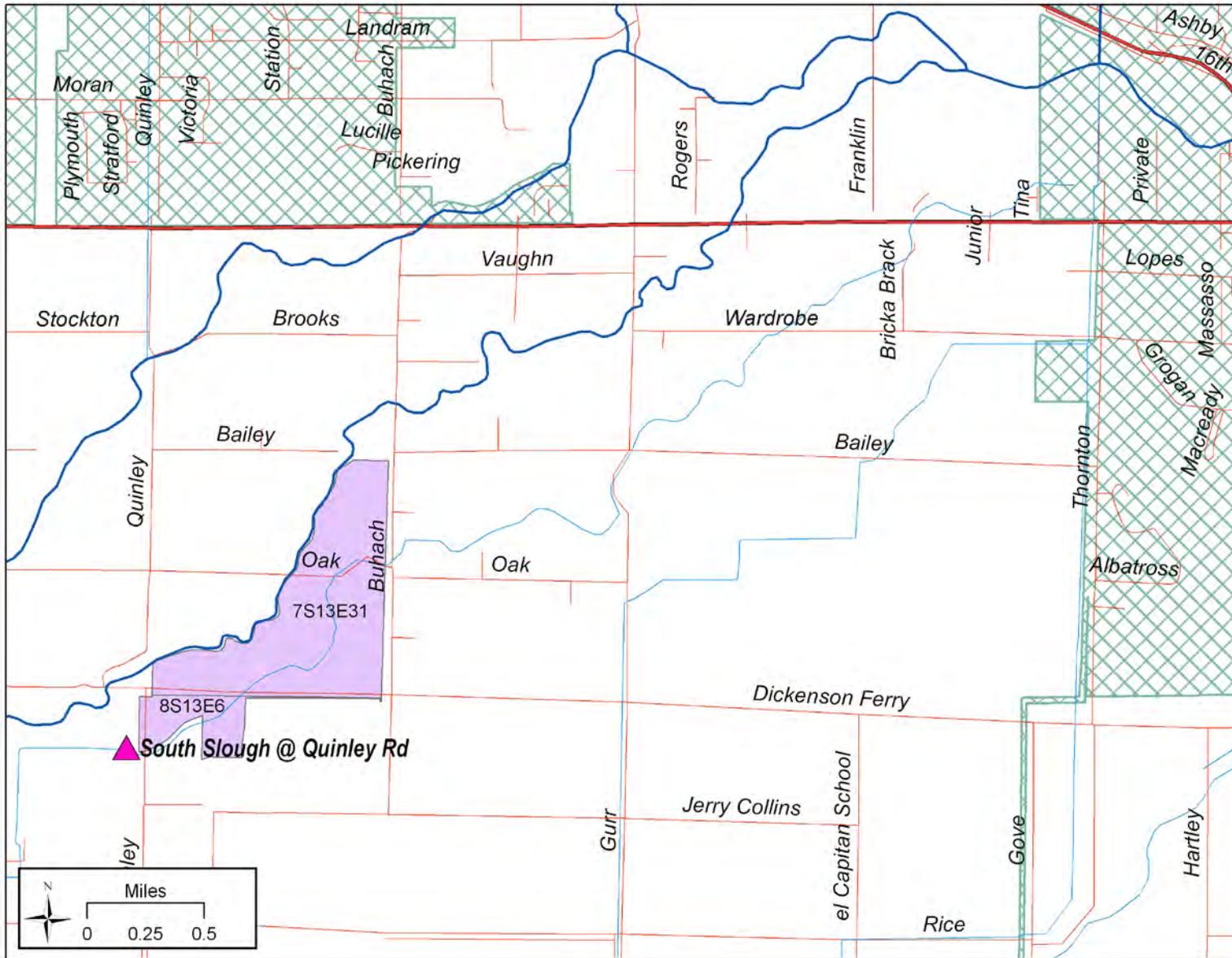
***South Slough @ Quinley Rd***

**Pesticide Use Reports for pesticide exceedances in the water column**

**Irrigation 4 (7/29/08) - chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
CORN FOR/FOD	7/20/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	4.69	GA	25	7S13E31	INSECTICIDE
CORN FOR/FOD	7/20/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	39.38	GA	210	8S13E6	INSECTICIDE
CORN FOR/FOD	7/20/2008	LORSBAN 4E-HF	CHLORPYRIFOS	A	7.5	GA	40	7S13E31	INSECTICIDE

Figure 98. Location of chlorpyrifos use for South Slough @ Quinley Rd – Irrigation 5



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## Pesticide Use Reports for metal exceedances in the water column

### Irrigation 3 (6/24/08) – copper exceedance.

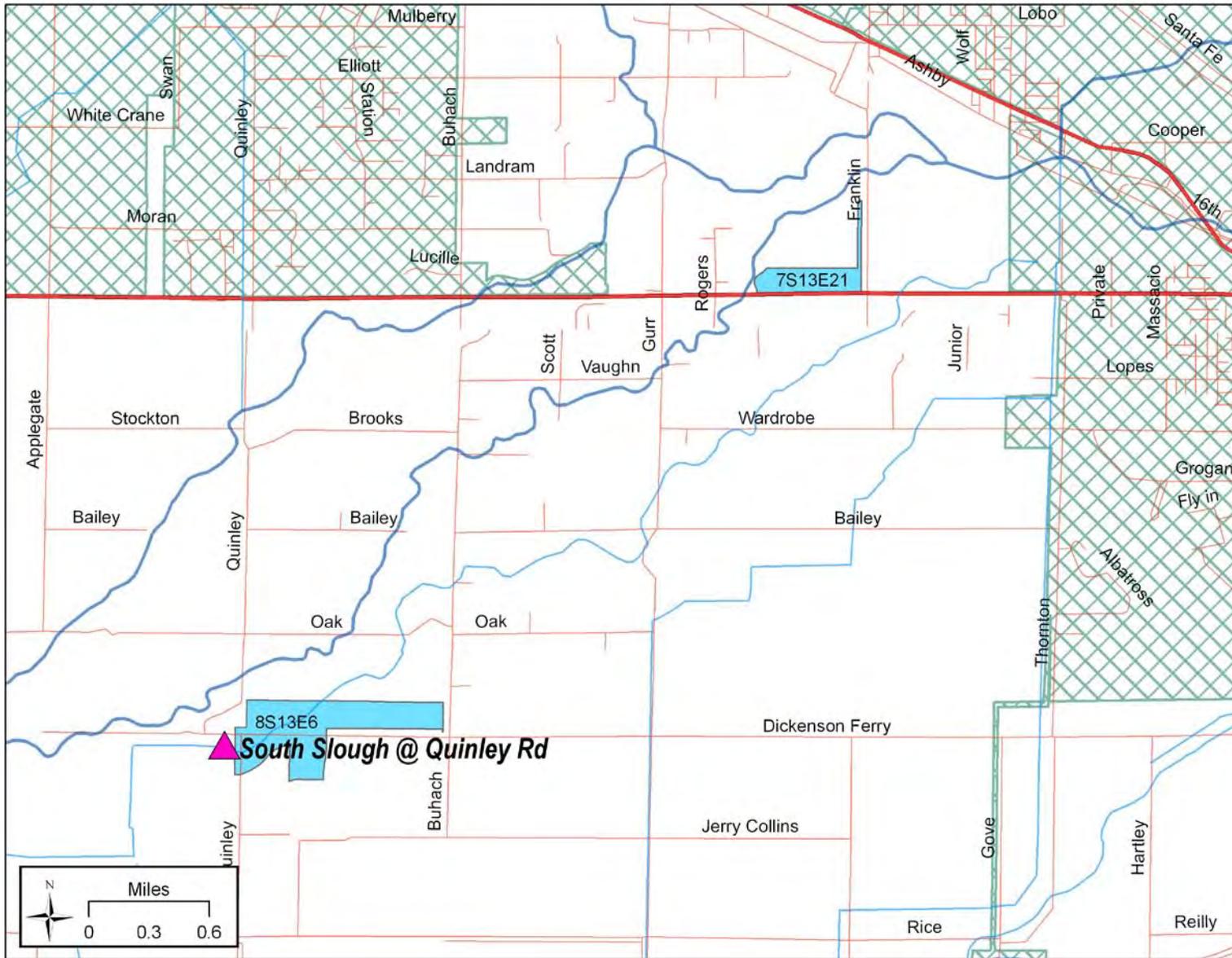
There were no applications of copper within 12 weeks prior to the exceedance. Copper was last applied on February 29, 2008.

## Pesticide Use Reports for toxicity in the water column

### Irrigation 1 (4/29/08) – *Selenastrum capricornutum* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	2/29/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	140	LBS	35	7S13E21	FUNGICIDE
TOMATO	4/12/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	172.5	PT	115	8S13E6	HERBICIDE
TOMATO	4/18/2008	DUAL MAGNUM HERBICIDE	S-METOLACHLOR	G	172.5	PT	115	8S13E6	HERBICIDE
ALMOND	4/25/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1.75	GA	35	7S13E21	HERBICIDE
ALMOND	4/25/2008	GOAL 2XL	OXYFLUORFEN	G	0.44	GA	35	7S13E21	HERBICIDE
ALMOND	4/25/2008	SURFLAN A.S. AGRICULTURAL HERBICIDE	ORYZALIN	G	1.75	GA	35	7S13E21	HERBICIDE

Figure 99. Location of pesticide use for South Slough @ Quinley Rd – Irrigation 1



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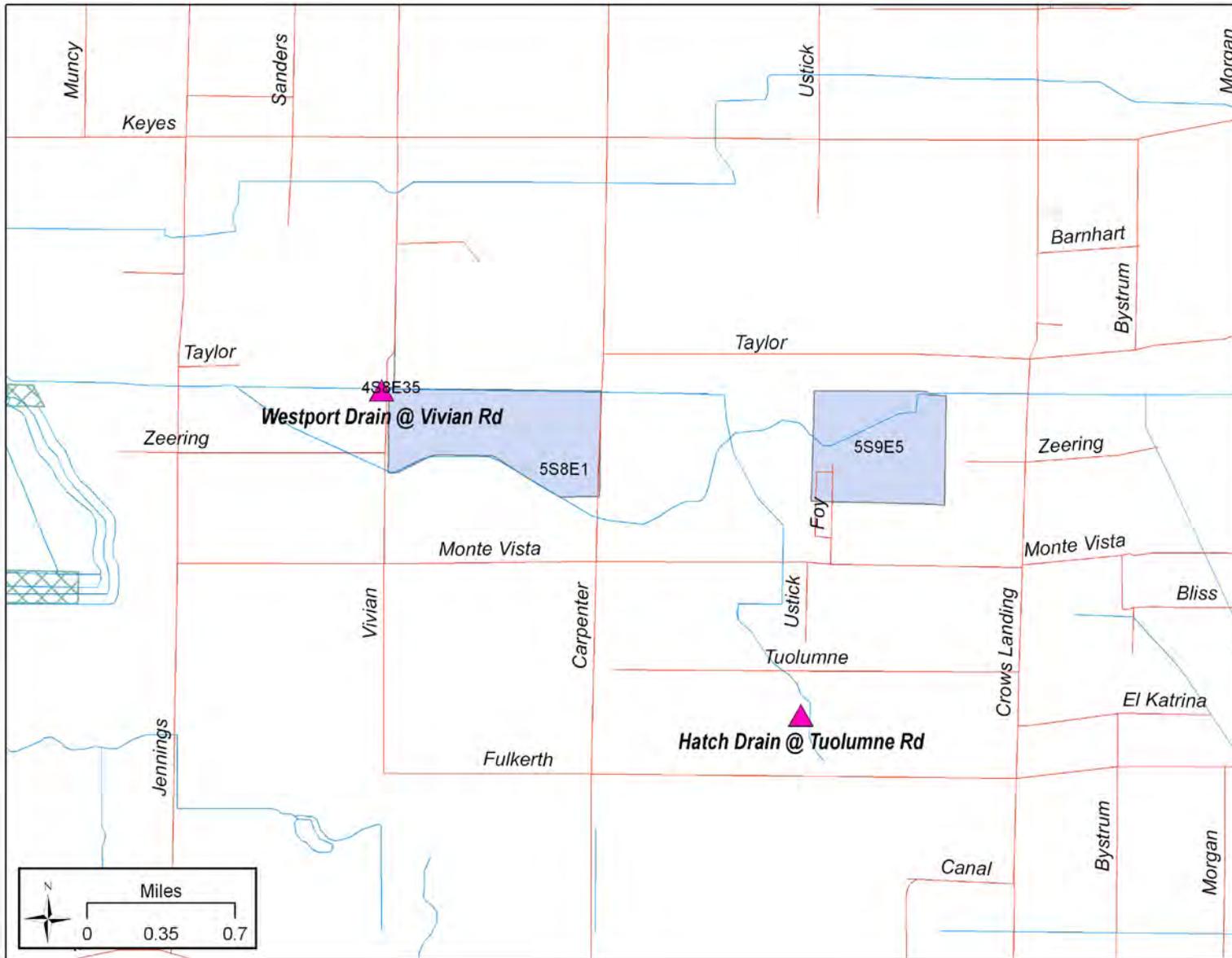
**Westport Drain @ Vivian Rd**

**Pesticide Use Reports for pesticide exceedances in the water column**

**Irrigation 4 (7/22/08) - chlorpyrifos exceedance.**

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
WALNUT	6/26/2008	LORSBAN-4E	CHLORPYRIFOS	G	7	GA	14	5S8E2	INSECTICIDE
WALNUT	6/27/2008	NUFOS 4E	CHLORPYRIFOS	G	6	GA	12	4S8E35	INSECTICIDE
ALFALFA	7/3/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	15	GA	60	5S9E5	INSECTICIDE
ALFALFA	7/3/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	18.75	GA	75	4S8E35	INSECTICIDE
ALFALFA	7/3/2008	LOCK-ON INSECTICIDE	CHLORPYRIFOS	A	17.5	GA	70	5S8E1	INSECTICIDE
ALMOND	7/11/2008	NUFOS 4E	CHLORPYRIFOS	G	60	PT	15	5S8E2	INSECTICIDE
ALMOND	7/14/2008	NUFOS 4E	CHLORPYRIFOS	A	17	GA	34	5S8E2	INSECTICIDE
ALMOND	7/15/2008	WHIRLWIND	CHLORPYRIFOS	G	18	GA	36	4S8E35	INSECTICIDE
ALMOND	7/16/2008	NUFOS 4E	CHLORPYRIFOS	G	108	PT	27	5S8E2	INSECTICIDE
ALMOND	7/16/2008	NUFOS 4E	CHLORPYRIFOS	G	64	PT	16	5S8E2	INSECTICIDE

Figure 100. Location of chlorpyrifos use for Westport Drain @ Vivian Rd – Irrigation 4



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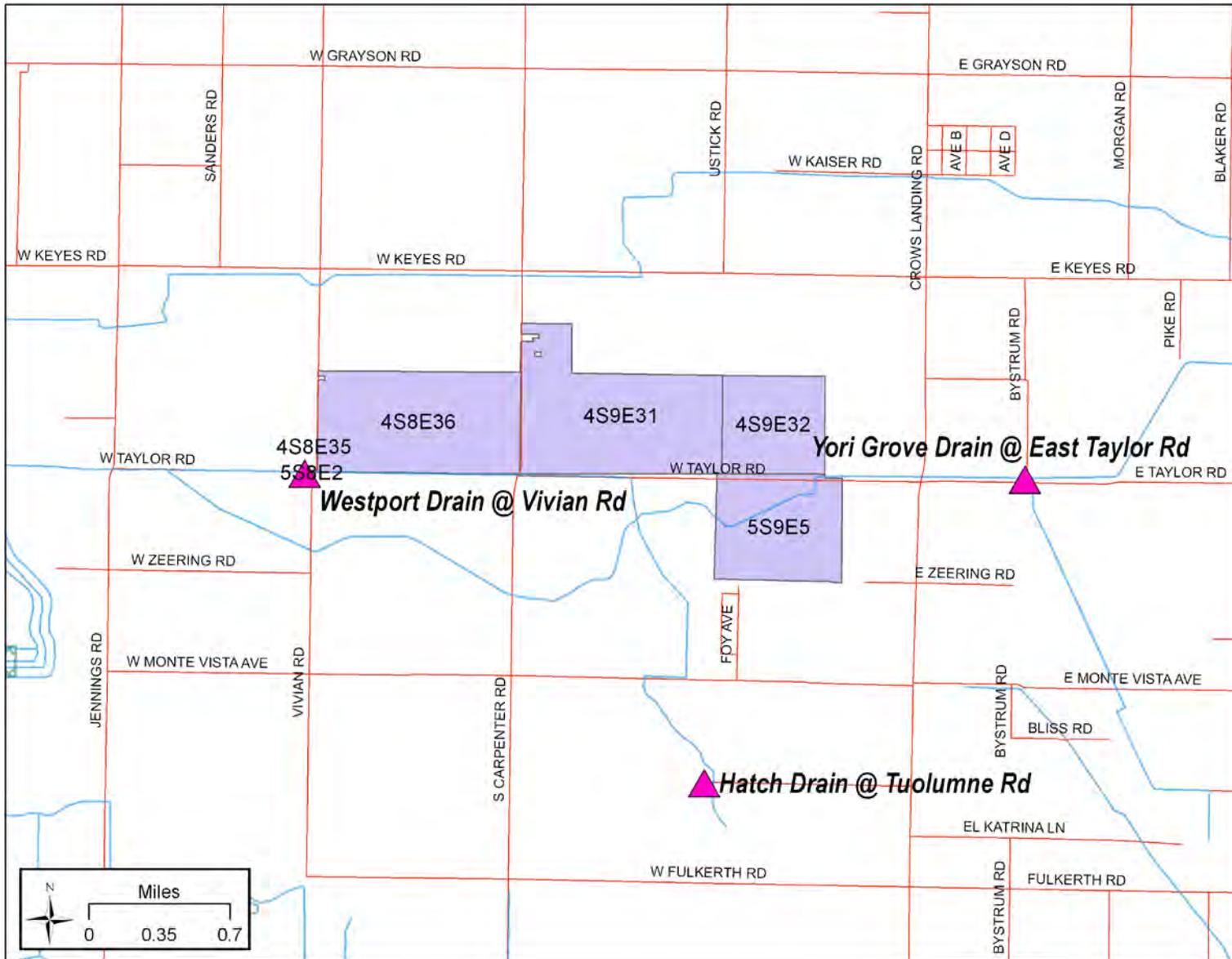
## Pesticide Use Reports for toxicity in the water column

### Irrigation 1 (4/22/08) – *Selenastrum capricornutum* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
PEACH	1/31/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	360	LB	30	4S9E31	FUNGICIDE
ALMOND	2/6/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	288	LB	36	4S8E35	FUNGICIDE
PEACH PROCESSNG	2/10/2008	DUPONT KOCIDE 3000 FUNGICIDE/BACTERICIDE	copper hydroxide	G	240	LB	48	4S9E31	FUNGICIDE
WALNUT	3/27/2008	CHAMPION WETTABLE POWDER	COPPER HYDROXIDE	G	112	LB	14	5S8E2	FUNGICIDE
ALMOND	4/1/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	11.5	QT	11.5	5S8E2	HERBICIDE
ALMOND	4/1/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	13	QT	13	5S8E2	HERBICIDE
WALNUT	4/1/2008	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	G	78	LB	13	4S8E35	FUNGICIDE
ALMOND	4/1/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	13	QT	13	5S8E2	HERBICIDE
ALMOND	4/1/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	11.5	QT	11.5	5S8E2	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL	OXYFLUORFEN	G	130	OZ	13	5S8E2	HERBICIDE
ALMOND	4/1/2008	GOAL 2XL	OXYFLUORFEN	G	115	OZ	11.5	5S8E2	HERBICIDE
WALNUT	4/2/2008	KOCIDE 2000	COPPER HYDROXIDE	A	78	LB	13	4S8E35	FUNGICIDE
ALMOND	4/2/2008	AMINE 4 2,4-D WEED KILLER	2,4-D, DIMETHYLAMINE SALT	G	14.5	QT	14.5	5S8E2	HERBICIDE
ALMOND	4/2/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	14.5	QT	14.5	5S8E2	HERBICIDE
ALMOND	4/2/2008	GOAL 2XL	OXYFLUORFEN	G	145	OZ	14.5	5S8E2	HERBICIDE
ALMOND	4/4/2008	ROUNDUP ORIGINAL MAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	720	OZ	36	4S8E35	HERBICIDE
ALMOND	4/4/2008	GOAL 2XL	OXYFLUORFEN	G	144	OZ	36	4S8E35	HERBICIDE
ALMOND	4/5/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	4	4S8E36	HERBICIDE
ALMOND	4/5/2008	GOAL 2XL	OXYFLUORFEN	G	2	QT	4	4S8E36	HERBICIDE
ALMOND	4/7/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	4000	OZ	125	4S9E31	HERBICIDE
ALMOND	4/7/2008	GOAL 2XL	OXYFLUORFEN	G	1000	OZ	125	4S9E31	HERBICIDE
ALMOND	4/9/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	672	OZ	14	4S9E31	HERBICIDE
ALMOND	4/9/2008	GOAL 2XL	OXYFLUORFEN	G	224	OZ	14	4S9E31	HERBICIDE
ALMOND	4/10/2008	SHARK EW	CARFENTRAZONE-ETHYL	G	40	OZ	40	4S9E32	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	4/10/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1280	OZ	40	4S9E32	HERBICIDE
ALMOND	4/11/2008	TOUCHDOWN TOTAL	GLYPHOSATE	G	2	GA	8	5S9E5	HERBICIDE
ALMOND	4/11/2008	GOALTENDER	OXYFLUORFEN	G	20	OZ	8	5S9E5	HERBICIDE
ALMOND	4/12/2008	SABER CA HERBICIDE	2,4-D, DIMETHYLAMINE SALT	G	6	QT	6	5S8E2	HERBICIDE
ALMOND	4/12/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1	GA	4	4S8E36	HERBICIDE
ALMOND	4/12/2008	GLYFOS HERBICIDE	GLYPHOSATE	G	1.5	GA	6	5S8E2	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	2	QT	4	4S8E36	HERBICIDE
ALMOND	4/12/2008	GOAL 2XL	OXYFLUORFEN	G	60	OZ	6	5S8E2	HERBICIDE

Figure 101. Location of pesticide use for Westport Drain @ Vivian Rd – Irrigation 1



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## Pesticide Use Reports for sediment toxicity

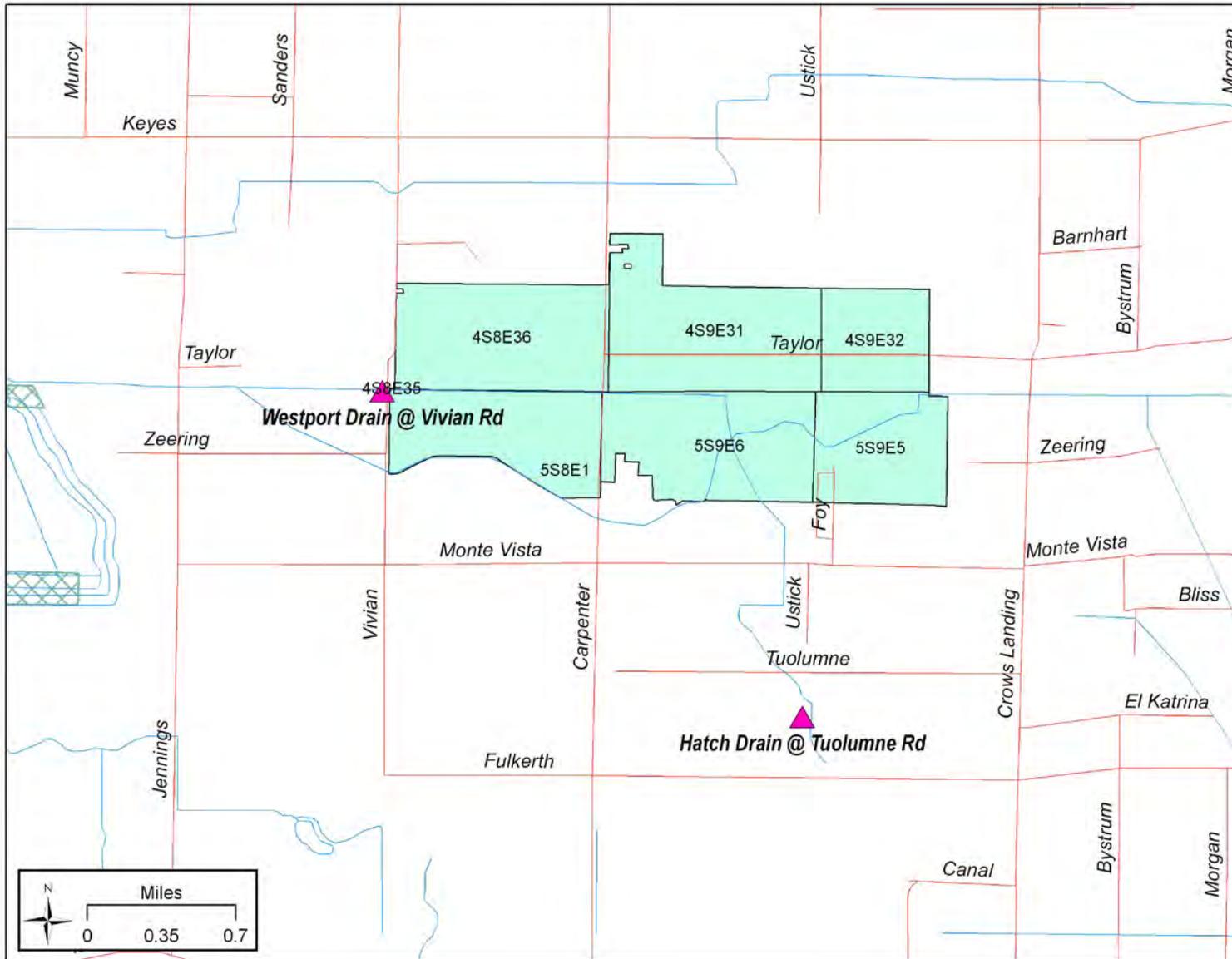
### Irrigation 5 (8/28/08) – *Hyalella azteca* toxicity.

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALFALFA	3/18/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	0.93	GA	31	5S9E6	INSECTICIDE
ALFALFA	3/18/2008	SILENCER	LAMBDA-CYHALOTHRIN	G	1.65	GA	55	5S9E6	INSECTICIDE
ALFALFA	3/30/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2	GA	70	4S8E36	INSECTICIDE
APPLE	4/16/2008	DANITOL 2.4 EC SPRAY	FENPROPATHRIN	G	410	OZ	20.5	4S9E31	INSECTICIDE
APPLE	5/5/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	8	OZ	1	4S9E31	INSECTICIDE
CORN FOR/FOD	5/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.2	GA	40	5S8E2	INSECTICIDE
CORN FOR/FOD	5/9/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.65	GA	57	4S8E35	INSECTICIDE
PEACH PROCESSNG	5/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	90	OZ	30	4S9E31	INSECTICIDE
CORN FOR/FOD	5/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.8	GA	60	5S8E1	INSECTICIDE
CORN FOR/FOD	5/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.27	GA	9	5S8E1	INSECTICIDE
PEACH PROCESSNG	5/13/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	54	OZ	18	4S9E31	INSECTICIDE
CORN FOR/FOD	5/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.32	GA	44	5S8E1	INSECTICIDE
CORN FOR/FOD	5/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	1.05	GA	35	5S8E1	INSECTICIDE
PEACH	5/18/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	288	OZ	30	4S9E31	INSECTICIDE
WALNUT	5/20/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.55	GA	14	5S8E2	INSECTICIDE
ALMOND	5/21/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	53.2	OZ	14	4S8E35	INSECTICIDE
CORN FOR/FOD	5/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	0.69	GA	23	5S8E2	INSECTICIDE
ALMOND	5/29/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	794	OZ	248	5S8E1	INSECTICIDE
ALMOND	6/1/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	793.6	OZ	248	5S8E1	INSECTICIDE
WALNUT	6/26/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.55	GA	14	5S8E2	INSECTICIDE
PEACH PROCESSNG	6/27/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	144	OZ	48	4S9E31	INSECTICIDE
CORN FOR/FOD	7/2/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	0.41	GA	7	5S9E6	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	234	OZ	18	5S8E2	INSECTICIDE
ALMOND	7/8/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	208	OZ	16	5S8E2	INSECTICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	7/9/2008	DU PONT ASANA XL INSECTICIDE	ESFENVALERATE	G	260	OZ	20	5S8E2	INSECTICIDE
ALMOND	7/11/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	32	LB	32	4S9E31	INSECTICIDE
ALFALFA	7/12/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	2.38	GA	76	4S9E32	INSECTICIDE
CORN FOR/FOD	7/13/2008	BIFENTURE	BIFENTHRIN	A	0.5	GA	10	5S9E5	INSECTICIDE
CORN FOR/FOD	7/13/2008	BIFENTURE	BIFENTHRIN	A	1.3	GA	26	5S9E5	INSECTICIDE
ALMOND	7/14/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	52.5	OZ	15	5S9E5	INSECTICIDE
ALMOND	7/15/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	108	OZ	36	4S8E35	INSECTICIDE
ALMOND	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	A	1.3	GA	52	4S8E36	INSECTICIDE
ALMOND	7/17/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	768	OZ	240	5S8E1	INSECTICIDE
ALMOND	7/18/2008	WARRIOR INSECTICIDE WITH ZEON TECHNOLOGY	LAMBDA-CYHALOTHRIN	G	248	PT	248	5S8E1	INSECTICIDE
ALMOND	7/19/2008	PERM-UP 3.2 EC INSECTICIDE	PERMETHRIN	G	165.75	OZ	19.5	5S8E2	INSECTICIDE
ALMOND	7/29/2008	BRIGADE WSB INSECTICIDE/MITICIDE	BIFENTHRIN	G	16	LB	16	4S9E31	INSECTICIDE
ALMOND	7/31/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	60	PT	20	5S8E2	FUNGICIDE
ALMOND	7/31/2008	GLY STAR ORIGINAL	GLYPHOSATE, ISOPROPYLAMINE SALT	G	60	PT	20	5S8E2	HERBICIDE
ALMOND	7/31/2008	GOAL 2XL	OXYFLUORFEN	G	160	OZ	20	5S8E2	HERBICIDE
CORN FOR/FOD	7/31/2008	NUFOS 4E	CHLORPYRIFOS	A	0.53	GA	35	5S8E1	INSECTICIDE
CORN FOR/FOD	7/31/2008	NUFOS 4E	CHLORPYRIFOS	A	0.87	GA	57	4S8E35	INSECTICIDE
WALNUT	8/4/2008	NUFOS 4E	CHLORPYRIFOS	G	4	GA	8	5S8E2	INSECTICIDE
WALNUT	8/4/2008	NUFOS 4E	CHLORPYRIFOS	G	10	GA	20	5S8E2	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	A	0.85	GA	17	5S8E2	INSECTICIDE
CORN FOR/FOD	8/5/2008	BIFENTURE	BIFENTHRIN	G	0.35	GA	7	5S9E6	INSECTICIDE
GRAPE, WINE	8/6/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	594	OZ	11	4S9E31	HERBICIDE
ALMOND	8/15/2008	OXYSTAR 2E	OXYFLUORFEN	G	360	OZ	45	4S9E31	HERBICIDE
ALMOND	8/15/2008	ROUNDUP WEATHERMAX HERBICIDE	GLYPHOSATE, POTASSIUM SALT	G	1440	OZ	45	4S9E31	HERBICIDE
ALMOND	8/16/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16.5	GA	33	4S8E35	FUNGICIDE
ALMOND	8/16/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	16.5	GA	33	4S8E35	HERBICIDE
ALMOND	8/16/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.75	GA	3.5	4S8E35	FUNGICIDE
ALMOND	8/16/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	1.75	GA	3.5	4S8E35	HERBICIDE

Commodity	Date Applied	Product Name	Active Ingredient	Application Method	Quantity Used	Unit	Treated Acres	TRS	Chemical Type
ALMOND	8/16/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	15	4S8E35	FUNGICIDE
ALMOND	8/16/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	7.5	GA	15	4S8E35	HERBICIDE
ALMOND	8/16/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	30	5S8E1	FUNGICIDE
ALMOND	8/16/2008	GLY-4 PLUS HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	15	GA	30	5S8E1	HERBICIDE
ALMOND	8/19/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	0.25	GA	1	4S8E35	HERBICIDE
ALMOND	8/19/2008	GALIGAN 2E OXYFLUORFEN HERBICIDE	OXYFLUORFEN	G	0.12	GA	1	4S8E35	HERBICIDE
ALMOND	8/26/2008	GRAMOXONE INTEON	PARAQUAT DICHLORIDE	G	6.75	GA	18	5S8E2	HERBICIDE
ALMOND	8/26/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	90	GA	240	5S8E1	FUNGICIDE
ALMOND	8/26/2008	GLY-4 HERBICIDE	GLYPHOSATE, ISOPROPYLAMINE SALT	G	90	GA	240	5S8E1	HERBICIDE

Figure 102. Location of pesticide use for Westport Drain @ Vivian Rd – Irrigation 5 SED



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# **Appendix V**

## **Exceedance and Communication Reports**

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## ***ESJWQC Exceedance Reports 2008***

**Sent:** Wednesday, April 23, 2008 at 11:39 AM

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Field Exceedance Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation1\_table\_042308.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On April 22, 2008, normal and management plan monitoring was conducted in the ESJWQC region for the first irrigation season sampling event. Ambient water samples were collected from these sites for water toxicity and chemistry analyses. During the sampling field parameters were measured, however the Mustang Creek @ East Ave site was dry and field parameters were not taken. Five exceedances of the receiving water quality trigger limit (WQTL) for electrical conductivity (EC) and five exceedances of the WQTL for dissolved oxygen (DO) were experienced during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as a scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. With the exception of the exceedances experienced at the new Prairie Flower Drain management plan monitoring site (upstream of the normal monitoring site), all exceedances in this report have been addressed in management plans or previous communication reports. The field exceedances experienced at management plan monitoring sites will be addressed in the subwatershed management plans and will not be included in communication reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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Krista Callinan  
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Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
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**Table 1.** Field parameter water quality objective exceedances experienced for normal monitoring (NM) and management plan monitoring (MPM) during the first irrigation sampling event for ESJWQC receiving waters on April 22, 2008.

Sample Site	Sample Type	Sample Date	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Hilmar Drain @ Central Ave	NM	4/22/08	1482	
Westport Drain @ Vivian Rd	NM	4/22/08	1079	4.44
Hatch Drain @ Tuolumne Rd	NM	4/22/08	1274	2.14
Prairie Flower Drain @ Crows Landing Rd	NM	4/22/08	2548	
Prairie Flower Drain @ Morgan Rd	MPM	4/22/08	2574	3.29
Merced River @ Santa Fe	NM	4/22/08		6.06
Silva Drain @ Meadow Dr	NM	4/22/08		5.02

**Sent: Monday, April 28, 2008 at 1:59 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <lreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Toxicity Exceedance Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation1\_table\_042808.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On April 22, 2008, sampling was conducted in the ESJWQC region for the first irrigation season sampling event. Toxicity results were received from the laboratory on April 28, 2008. Toxicity to *Selenastrum* was experienced in samples collected from six sites. See attached Table 1 for details on these exceedances. Toxicity Identification Evaluations have been initiated for all samples that experienced 50% or greater reduction relative to the control.

b.) Follow-up sampling will be conducted tomorrow, April 29, 2008. The results from the resampling event will indicate whether the toxicity is persistent at these sites.

c.) All exceedances in this report have been or will be addressed in management plans or previously scheduled communication reports and therefore follow-up reporting is not required.

Mike Johnson

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**Table 1.** Water sample toxicity experienced in samples collected during the first irrigation sampling event for ESJWQC receiving waters on April 22, 2008.

Sample Site	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)*
Hatch Drain @ Tuolumne Rd	4/22/08	Irrigation	64
Hatch Drain @ Tuolumne Rd FD	4/22/08	Irrigation	55
Highline Canal @ Hwy 99	4/22/08	Irrigation	63
Hilmar Drain @ Central Ave	4/22/08	Irrigation	45*
Livingston Drain @ Robin Ave	4/22/08	Irrigation	58
Prairie Flower Drain @ Crows Landing Rd	4/22/08	Irrigation	29*
Westport Drain @ Vivian Rd	4/22/08	Irrigation	58

FD = field duplicate

\*Toxicity Identification Evaluation initiated for this sample.

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**Sent: Wednesday, April 30, 2008 at 11:27 AM**

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Field Exceedance Report - Irrigation1 NM, RS, MPM 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation1&RS&MPM\_table\_043008.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On April 29, 2008, samples were collected for normal monitoring, resampling and management plan monitoring in the ESJWQC region for the first irrigation season event. Ambient water samples were collected from these sites for water toxicity and/or chemistry analyses. During the sampling field parameters were measured, however the Ash Slough @ Ave 21 and Berenda Slough @ Ave 18 ½ sample sites were dry and field parameters were not taken. During this event, four exceedances of the receiving water quality trigger limit (WQTL) for electrical conductivity (EC), two exceedances of pH and five exceedances of dissolved oxygen (DO) were measured across six of the Coalition sample sites. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as a scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the normal monitoring sites experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source.

The high pH measured at the Black Rascal Creek and Dry Creek sites may be due to particular inputs into the water bodies or natural conditions, among other possible sources. Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. The pH exceedance measured at Black Rascal Creek occurred for the first time during Coalition monitoring at that site, and as a result a Communication Report will be submitted to follow-up on that exceedance by July 3, 2008. The pH exceedance measured at Dry Creek @ Rd 22 (management plan monitoring site) will be addressed in the relevant subwatershed Management Plan and will not be included in a communication report.

Mike Johnson

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 Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Field parameter water quality objective exceedances experienced for normal monitoring (NM), toxicity resampling (RS) and management plan monitoring (MPM) during the first irrigation sampling event for ESJWQC receiving waters on April 29, 2008. Exceedances that occurred for the first time at a sample site are bolded.

Sample Site	Sample Type	Sample Date	Electrical Conductivity (uS/cm)	pH (pH units)	Dissolved Oxygen (mg/L)
South Slough @ Quinley Rd	NM	4/29/08			5.8
Black Rascal Creek @ Yosemite Rd	NM	4/29/08		<b>8.75</b>	
Westport Drain @ Vivian Rd	RS	4/29/08	1106		4.76
Hatch Drain @ Tuolumne Rd	RS	4/29/08	1323		0.82
Prairie Flower Drain @ Crows Landing Rd	RS	4/29/08	1739		5.44
Hilmar Drain @ Central Ave	RS	4/29/08	809		4.48
Dry Creek @ Rd 22	MPM	4/29/08		8.8	

**Sent: Tuesday, May 6, 2008 at 10:22 AM**

**From:** Melissa Turner <[mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)>

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Margie Read [MRead@waterboards.ca.gov](mailto:MRead@waterboards.ca.gov)

**Subject:** ESJWQC Toxicity Exceedance Report- Irrigation1 NM, RS 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation1RS\_050508.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-

up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On April 29, 2008, normal monitoring and toxicity resampling (for monitoring conducted on April 22, 2008) was conducted in the ESJWQC region for the first irrigation season sampling event. Toxicity results for this event were received from the laboratory on March 5, 2008. Toxicity to *Selenastrum* was experienced in samples collected from six normal monitoring sites and four resampling sites. See attached Table 1 for details on these exceedances. Toxicity Identification Evaluations have been initiated for all normal monitoring samples that experienced 50% or greater reduction relative to the control.

b.) Follow-up sampling for normal monitoring sites that experienced toxicity will be conducted on Wednesday, March 7, 2008. The results from the resampling event will indicate whether the toxicity is persistent at these sites.

c.) The *Selenastrum* toxicity experienced at Cottonwood Creek, South Slough and Bear Creek during this sampling event occurred for the first time during Coalition monitoring, and as a result a Communication Report will be submitted for these exceedances by July 9, 2008. Cottonwood Creek @ Rd 20 and Bear Creek @ Kibby Rd were not supposed to be tested for *Selenastrum* toxicity since these sites were approved to have this constituent dropped from monitoring by the Executive Officer on December 14, 2007. Due to a laboratory error, these samples were analyzed for *Selenastrum* toxicity during this irrigation season and resulted in significant toxicity. A TIE is being conducted on both samples and resampling will occur. In addition, due to these exceedances, the Coalition will continue to monitor for *Selenastrum* toxicity at these two locations during the rest of the irrigation season (May-September). If you have any questions about this and/or if there is another course of action that you wish for us to pursue, please feel free to contact me.

Mike Johnson

**Melissa Turner**

Michael L. Johnson, LLC  
 1490 Drew Ave, Suite 175  
 Davis, CA 95618  
 Phone: 530-756-5200  
 Fax: 530-756-5225  
 Email: [mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)

**Table 1.** Water sample toxicity experienced in samples collected during the first irrigation sampling event for ESJWQC receiving waters on April 29, 2008.

Sample Site	Sample Date	Monitoring Type	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)*
Hatch Drain @ Tuolumne Rd	4/22/08	RS	Irrigation	47*
Hilmar Drain @ Central Ave	4/22/08	RS	Irrigation	59
Livingston Drain @ Robin Ave	4/22/08	RS	Irrigation	63
Prairie Flower Drain @ Crows Landing Rd	4/22/08	RS	Irrigation	56
Cottonwood Creek @ Rd 20	4/22/08	NM	Irrigation	5*
Deadman Creek @ Hwy 59	4/22/08	NM	Irrigation	71
Duck Slough @ Hwy 99	4/22/08	NM	Irrigation	86
Miles Creek @ Reilly Rd	4/22/08	NM	Irrigation	25*
South Slough @ Quinley Rd	4/22/08	NM	Irrigation	2*
Bear Creek @ Kibby Rd	4/22/08	NM	Irrigation	4*

RS = resampling for toxicity experienced at sample sites during the normal monitoring event on 4/15/08

NM = normal monitoring

\*Toxicity Identification Evaluation initiated for this sample

**Sent: Thursday, May 8, 2008 at 10:18 AM**

**From:** K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen <[pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com)>, Mike Johnson <[mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com)>, Melissa Turner <[mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)>, Francisca Johnson <[fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com)>, Lara Reising <[ltreising@gmail.com](mailto:ltreising@gmail.com)>, [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Subject:** Field Exceedance Report - Irrigation2 MPM 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation2\_MPM\_table\_050808.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On May 7, 2008, management plan monitoring was conducted at five sites in the ESJWQC region for the second irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured, however the Ash Slough @ Ave 21 site was dry and field parameters were not taken. One exceedance of the receiving water quality trigger limit (WQTL) for pH was experienced during this sampling event. See attached Table 1 for details on these exceedances. The raw data for the field exceedance is available upon request as a scanned field sheet.

b) Immediate follow-up sampling will not be conducted. Coalition sampling will occur again for normal monitoring on May 20 and 27, 2008 and field parameters will be measured again at that time.

c) Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH experienced at Highline Canal may be due to a particular input into the water body or natural conditions of the water body itself, among other possible sources. The pH exceedance at Highline Canal @ Hwy 99 has been dealt in the subwatershed Management Plan and previous Communication Reports. As a result, a Communication Report will not be submitted for this exceedance.

Mike Johnson

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**Table 1.** Field parameter water quality trigger limit exceedance experienced during management plan monitoring (MPM) during the second irrigation sampling event for ESJWQC receiving waters on May 7, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)
Highline Canal @ Hwy 99	MPM	5/07/2008	8.69

MPM – management plan monitoring

**Sent: Friday, May 16, 2008 at 10:17 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Toxicity Exceedance Report - Irrigation1 RS 2008 (and MPM report of no toxicity)

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation1\_RS\_table\_051608.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On May 7, 2008, management plan monitoring and toxicity resampling were conducted in the ESJWQC region. Toxicity results for these samples were received from the laboratory on May 15, 2008. Management plan monitoring for toxicity was conducted at three sites, of which none experienced toxicity. However toxicity was experienced in all five of the resamples that were collected as follow-up to *Selenastrum* toxicity experienced during the first irrigation season sampling event on April 29, 2008. See attached Table 1 for details on these exceedances. Samples from this event were accidentally discarded by the laboratory prior to the initiation of Toxicity Identification Evaluations and as a result TIEs were not conducted in two samples (Deadman Creek @ Hwy 59 and Duck Slough @ Hwy 99) for which the tests were triggered. The laboratory has implemented new procedures with their staff to avoid such a mishap in the future.

b.) Samples that experienced toxicity during this event were collected as resamples to follow-up on toxicity from the normal monitoring event, therefore additional follow-up sampling will not be conducted. Coalition sampling will occur again for the second irrigation season event on May 20, 2008.

c.) The *Selenastrum* toxicity experienced at Cottonwood Creek, South Slough and Bear Creek during the normal monitoring event occurred for the first time during Coalition monitoring, and as a result a Communication Report will be submitted for these exceedances by July 9, 2008. Results from the resampling event will be discussed in this report.

Mike Johnson

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**Table 1.** Water sample toxicity in resamples collected on May 7, 2008 as follow-up to toxicity experienced during the first ESJWQC irrigation sampling event on April 29, 2008.

Sample Site	Sample Date	Sample Type	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)
Cottonwood Creek @ Rd 20	5/7/2008	RS	Irrigation	4
Deadman Creek @ Hwy 59	5/7/2008	RS	Irrigation	42*

Sample Site	Sample Date	Sample Type	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)
Duck Slough @ Hwy 99	5/7/2008	RS	Irrigation	5*
Miles Creek @ Reilly Rd	5/7/2008	RS	Irrigation	51
Bear Creek @ Kibby Rd	5/7/2008	RS	Irrigation	21

RS = resampling for toxicity experienced at sample sites during the normal monitoring event on 4/29/08

\* Samples discarded prior to initiation of Toxicity Identification Evaluation (TIE) - TIE not conducted

**Sent: Wednesday, May 21, 2008 at 9:21 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Field Exceedance Report - Irrigation2 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation2\_table\_052108.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On May 20, 2008, normal and management plan monitoring was conducted in the ESJWQC region for the second irrigation season sampling event. Ambient water samples were collected from these sites for water toxicity and chemistry analyses. During the sampling field parameters were measured, however the Mustang Creek @ East Ave site was dry and field parameters were not taken. One exceedance of the receiving water quality trigger limit (WQTL) for pH, five exceedances of electrical conductivity (EC) and five exceedances of dissolved oxygen (DO) were experienced during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as a scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH experienced at Livingston Drain @ Robin Ave may be due to a particular input into the water body or natural conditions of the water body itself, among other possible sources. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. With the exception of the exceedances experienced at the new Prairie Flower Drain management plan monitoring site (upstream of the normal monitoring site), all exceedances in this report have been addressed in management plans or previous communication reports. The field exceedances experienced at management plan monitoring sites will be addressed in the subwatershed management plans and will not be included in communication reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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 Tel: 530-756-5200  
 Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Field parameter water quality objective exceedances experienced for normal monitoring (NM) and management plan monitoring (MPM) during the second irrigation sampling event for ESJWQC receiving waters on May 20, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Dry Creek @ Wellsford Rd	NM	5/20/08			5.67
Silva Drain @ Meadow Dr	NM	5/20/08			0.7
Livingston Drain @ Robin Ave	NM	5/20/08	8.79		
Hilmar Drain @ Central Ave	NM	5/20/08		963	
Prairie Flower Drain @ Morgan Rd	MPM	5/20/08		2026	1.17
Prairie Flower Drain @ Crows Landing Rd	NM	5/20/08		2526	
Hatch Drain @ Tuolumne Rd	NM	5/20/08		1325	1.67
Westport Drain @ Vivian Rd	NM	5/20/08		1084	6.95

**Sent: Friday, May 23, 2008 at 4:56 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Pesticide Exceedance Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation1\_table\_052308.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On April 15, 2008 sampling was conducted in the ESJWQC region for the first irrigation season monitoring event. Data were received from the laboratory on May 22, 2008. One exceedances of DDT was experienced during this monitoring event. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for this pesticide exceedance will not be conducted. Monitoring for the second irrigation event occurred on May 20, 2008, and results from this monitoring event will indicate if the exceedance in this report is persistent.

c. The exceedance of DDT was a first-time exceedance at the Hatch Drain @ Tuolumne Rd sample site and as a result a Communication Report will be submitted for this exceedance by July 29, 2008.

Mike Johnson

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Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during the first irrigation sampling event on April 15, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Season	DDT
				0.00059 µg/L
Hatch Drain @ Tuolumne Rd	FD	4/15/08	Irrigation	0.023*

FD = Field Duplicate

\*Detection of DDT occurred only in the field duplicate sample and there was no detection of DDT in its complimentary grab sample (laboratory minimum detection limit for DDT is 0.007 µg/L).

**Sent: Wednesday, May 28, 2008 at 8:09 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Re: Pesticide Exceedance Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation1\_table\_052308\_amended.doc

Dear Dania,

I am submitting an amended exceedance report due to a misreported sample date from the email sent on May 23, 2008, reporting on pesticide exceedances from the first irrigation season sampling event. In this report, sampling was shown to occur on 4/15/08, however sampling actually occurred on 4/22/08. An amended report is provided below and an amended table of exceedances is attached.

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On April 22, 2008 sampling was conducted in the ESJWQC region for the first irrigation season monitoring event. Data were received from the laboratory on May 22, 2008. One exceedances of DDT was experienced during this monitoring event. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for this pesticide exceedance will not be conducted. Monitoring for the second irrigation event occurred on May 20, 2008, and results from this monitoring event will indicate if the exceedance in this report is persistent.

c. The exceedance of DDT was a first-time exceedance at the Hatch Drain @ Tuolumne Rd sample site and as a result a Communication Report will be submitted for this exceedance by July 29, 2008.

Mike Johnson

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Krista Callinan  
Environmental Specialist

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Tel: 530-756-5200  
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[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during the first irrigation sampling event on April 22, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Season	DDT
				0.00059 µg/L
Hatch Drain @ Tuolumne Rd	FD	4/22/08	Irrigation	0.023*

FD = Field Duplicate

\*Detection of DDT occurred only in the field duplicate sample and there was no detection of DDT in its complimentary grab sample (laboratory minimum detection limit for DDT is 0.007 µg/L).

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**Sent: Tuesday, May 27, 2008 at 2:32 PM**

**From:** K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen <[pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com)>, Mike Johnson <[mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com)>, Melissa Turner <[mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)>, Francisca Johnson <[fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com)>, Lara Reising <[ltreising@gmail.com](mailto:ltreising@gmail.com)>, [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Subject:** Toxicity Exceedance Report - Irrigation2 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation2\_table\_052708.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On May 20, 2008, normal monitoring and management plan monitoring were conducted in the ESJWQC region for the second irrigation season sampling event. Toxicity results were received from the laboratory today, May 27, 2008. Toxicity to *Selenastrum* was experienced in samples collected for normal monitoring from five sites. There was no toxicity experienced in the samples collected for management plan monitoring. See attached Table 1 for details on these exceedances.

b.) Follow-up sampling will be conducted today, May 27, 2008. The results from the resampling event will indicate whether the toxicity is persistent at these sites.

c.) All exceedances in this report have been or will be addressed in management plans or previously scheduled communication reports and therefore follow-up reporting is not required.

Mike Johnson

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Tel: 530-756-5200

Fax: 530-756-5225  
kcallinan@mlj-llc.com

**Table 1.** Water sample toxicity experienced in samples collected during the second irrigation sampling event for ESJWQC receiving waters on May 20, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)
Hatch Drain @ Tuolumne Rd	NM	5/20/08	Irrigation	60
Highline Canal @ Hwy 99	NM	5/20/08	Irrigation	76
Highline Canal @ Lombardy Ave	NM	5/20/08	Irrigation	53
Livingston Drain @ Robin Ave	NM	5/20/08	Irrigation	62
Prairie Flower @ Crows Landing Rd	NM	5/20/08	Irrigation	61

NM = Normal Monitoring

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**Sent: Wednesday, May 28, 2008 at 9:23 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Field Exceedance Report - Irrigation2 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation2\_table\_052808.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On May 27, 2008, normal monitoring, management plan monitoring and resampling were conducted in the ESJWQC region for the second irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured, however the Berenda Slough along Ave 18 ½, Ash Slough @ Ave 21, Berenda Slough @ Rd 19 and South Slough @ Quinley Rd sites were dry and field parameters were not taken at these sites. Exceedances of the receiving water quality trigger limits (WQTL) for pH, electrical conductivity (EC) and dissolved oxygen (DO) were experienced during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH experienced at Livingston Drain @ Robin Ave may be due to a particular input into the water body or natural conditions of the water body itself, among other possible sources. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. The EC exceedance experienced at the Deadman Creek @ Gurr Rd

sample site occurred for the first time during Coalition monitoring and as a result a Communication Report will be submitted for this exceedance by July 31, 2008.

Mike Johnson

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Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Field parameter water quality objective exceedances experienced during normal monitoring (NM) and resampling (RS) for the second ESJWQC irrigation sampling event on May 27, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Deadman Creek @ Gurr Rd	NM	5/27/08		801	
Livingston Drain @ Robin Ave	RS	5/27/08	8.68		
Prairie Flower Drain @ Crows Landing Rd	RS	5/27/08		2273	
Hatch Drain @ Tuolumne Rd	RS	5/27/08		1197	0.73

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**Sent: Friday, May 30, 2008 at 3:49 PM**

**From:** K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen <[pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com)>, Mike Johnson <[mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com)>, Melissa Turner <[mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)>, Francisca Johnson <[fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com)>, Lara Reising <[ltreising@gmail.com](mailto:ltreising@gmail.com)>, [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Subject:** Metals, Nutrients, E. coli, Physical Paramters Exceedance Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation1\_053008\_final.xls

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On April 22, 2008 regular monitoring and management plan monitoring was conducted in the ESJWQC region for the first 2008 irrigation monitoring event. Water was collected for analysis of physical parameters, nutrients, metals and bacteria. Exceedances of receiving water limitations for *E. coli*, total dissolved solids (TDS), color, ammonia, nitrate and metals were experienced. Final data were received from the laboratory on May 27, 2008. The sites, sampling dates and exceedances are provided in an excel spreadsheet attached to this email with the exceedance trigger listed under each constituent in the column headers. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. The second irrigation season event occurred on May 20 and 27, 2008. Results from this monitoring event should indicate where water quality exceedances included in this report are persistent.

c.) First-time exceedances at normal monitoring sites were experienced at Hatch Drain @ Tuolumne Rd (lead) and Silva Drain @ Meadow Dr (ammonia). As a result, a Communication Report will be submitted for these exceedances by August 4, 2008. All other exceedances in this report have been or will be addressed in Management Plans or previously scheduled Communication Reports and do not require follow-up reporting.

Mike Johnson

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**Table 1.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation1\_053008\_final.xls

Site Name	Monitoring Type	Sample Date	E. Coli (235 MPN/100)	Color (15 color units)	TDS (450 mg/L)	Ammonia (1.5 mg/L or Variable*)	Arsenic (10 ug/L)	Cadmium (0.04 ug/L or based on hardness)	Lead (2 ug/L or based on hardness)	Nitrate as N (10 mg/L)
Dry Creek @ Wellsford Rd	NM	22/Apr/2008	>2400	40						
Hatch Drain @ Tuolumne Rd	NM	22/Apr/2008	1300	220	880		17	0.07J	3.9	20
Hatch Drain @ Tuolumne Rd FD	NM	22/Apr/2008	1100	220	830		17	0.07J	4.0	20
Highline Canal @ Hwy 99	NM	22/Apr/2008		17						
Highline Canal @ Lombardy Ave	NM	22/Apr/2008		20						
Hilmar Drain @ Central Ave	NM	22/Apr/2008	390	35	960					
Merced River @ Santa Fe	NM	22/Apr/2008		20						
Prairie Flower Drain @ Crows Landing Rd	NM	22/Apr/2008	370	70	1700					23
Silva Drain @ Meadow Dr	NM	22/Apr/2008		70		4.1				
Westport Drain @ Vivian Rd	NM	22/Apr/2008	1000	17	750					23
Prairie Flower Drain @ Morgan Rd	MPM	22/Apr/2008								35

\*Based on pH and temperature

**Sent: Monday, June 2, 2008 at 12:14 PM**

**From:** K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Toxicity Exceedance Report - Irrigation2 RS 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation2\_RS\_table\_060208.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On May 27, 2008, resampling was conducted in the ESJWQC region for the second irrigation season sampling event. Toxicity results were received from the laboratory today, June 2, 2008. Of the five sites that were sampled to test for persistent *Selenastrum* toxicity, one site showed toxicity. See attached Table 1 for details on this exceedance.

b.) This sampling event was conducted as follow-up to toxicity experienced in previous samples, therefore additional follow-up sampling will not be conducted. Sampling will occur again at these sites for the third irrigation season event on June 17 and 24, 2008.

c.) The exceedance provided in this report has been or will be addressed in a management plan or previously scheduled communication report and therefore follow-up reporting is not required.

Mike Johnson

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**Table 1.** Water sample toxicity in resamples collected on May 27, 2008 as follow-up to sample sites that tested toxic during the second irrigation sampling event for ESJWQC receiving waters on May 20, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)
Prairie Flower Drain @ Crows Landing Rd	RS	5/27/08	Irrigation	88

RS = Resampling

**Sent: Wednesday, June 4, 2008 at 3:28 PM**

**From:** Melissa Turner <[mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>  
**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com  
**Subject:** Field Exceedance Report - Irrigation3 MPM 2008  
**Attachments:** ESJWQC\_08\_ER\_field\_irrigation3MPM\_060308.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On June 03, 2008, management plan monitoring were conducted in the ESJWQC region for the second irrigation season sampling event. Ambient water samples were collected for management plan constituent analysis at six locations (Table 1 attached). During the sampling field parameters were measured at all sites except at Ash Slough @ Avenue 18 which was dry. Exceedances of the receiving water quality trigger limits (WQTL) for pH were experienced during this sampling event at Livingston Drain @ Robin Ave and Highline Canal @ Hwy 99. See attached Table 2 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. Normal monitoring will be conducted on June 17 and 24, 2008 for the ESJWQC at which time field parameters will be measured for.

c) Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH experienced at Livingston Drain @ Robin Ave and Highline Canal @ Hwy 99 may be due to a particular input into the water body or natural conditions of the water body itself, among other possible sources. Both of these sites are currently under Management Plans for pH and therefore a communication report will not be submitted.

Mike Johnson

**Table 1.** Management plan monitoring (MPM) conducted on June 03, 2008.

Sample Site	Sample Date	Diuron	Copper	Ceriodaphnia dubia
Ash Slough @ Ave 21*	06/03/08		x	
Highline Canal @ Hwy 99	06/03/08		x	
Highline Canal @ Lombardy Rd	06/03/08			x
Hilmar Drain @ Central Ave	06/03/08	x		
Livingston Drain @ Robin Ave	06/03/08		x	
Miles Creek @ Reilley Rd	06/03/08		x	

\*Ash Slough @ Ave 21 was dry.

**Table 2.** Field exceedances that occurred during management plan monitoring conducted on June 03, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)
Highline Canal @ Hwy 99	MPM	06/03/08	8.54
Livingston Drain @ Robin Ave	MPM	06/03/08	8.61

**Sent: Thursday, June 12, 2008 at 7:41 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Metals, E. coli, Physical Parameters Exceedance Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation1\_060908\_final.xls

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On April 29, 2008 regular monitoring and upstream management plan monitoring was conducted in the ESJWQC region for the first 2008 irrigation monitoring event. Water was collected for analysis of physical parameters, nutrients, metals and bacteria. Exceedances of receiving water limitations for *E. coli*, color and metals were experienced. Final data were received from the laboratory on June 9, 2008. The sites, sampling dates and exceedances are provided in an excel spreadsheet attached to this email with the exceedance trigger listed under each constituent in the column headers. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. The second irrigation season monitoring event occurred on May 20 and 27, 2008. Results from this monitoring event should indicate where water quality exceedances included in this report are persistent.

c.) First-time exceedances were experienced at Black Rascal Creek @ Yosemite Rd (cadmium, copper and lead) and Deadman Creek @ Hwy 59 (arsenic). As a result, a Communication Report will be submitted for these exceedances by August 15, 2008. All other exceedances in this report have been or will be addressed in Management Plans or previously scheduled Communication Reports and do not require follow-up reporting.

Mike Johnson

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**Table 1.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation1\_060908\_final.xls

Site Name	Station Code	Sample Date	Monitoring Type	E. Coli (235 MPN/100)	Color (15 color units)	Arsenic (10 ug/L)	Hardness (mg/L)	Cadmium (0.04 ug/L or based on hardness)	Copper (170 ug/L or based on hardness)	Lead (2 ug/L or based on hardness)
Black Rascal Creek @ Yosemite Rd	535BRCAJR	29/Apr/2008	NM	770	300		80	<b>0.08J</b>	<b>8 (7.7)</b>	<b>2.4 (2.39)</b>
Cottonwood Creek @ Rd 20	545XCCART	29/Apr/2008	NM	580	35		70		8 (6.9)	
Deadman Creek @ Gurr Rd	535XDCAGR	29/Apr/2008	NM	>2400	100	18				
Deadman Creek @ Hwy 59	535DMCAHF	29/Apr/2008	NM	610	44	<b>16</b>				
Dry Creek @ Rd 18	545XDCARE	29/Apr/2008	NM		20		26		6.8 (3.0)	
Dry Creek @ Rd 18 FD	545XDCARE	29/Apr/2008	NM		33		38		6.9 (4.1)	
Duck Slough @ Gurr Rd	535XDSAGR	29/Apr/2008	NM		35					
Duck Slough @ Hwy 99	535XDSAHN	29/Apr/2008	NM	280	25					
Miles Creek @ Reilly Rd	535XMCARR	29/Apr/2008	NM		60					
South Slough @ Quinley Rd	535XSSAQR	29/Apr/2008	NM	520	38					
Dry Creek @ Rd 22	545XDCART	29/Apr/2008	MPM				26		5.2 (3.0)	

**bold- first time exceedance**

FD- field duplicated

J- estimated value; between laboratory reporting limit and minimum detection limit

NM- normal monitoring

MPM- management plan monitoring

**Sent: Friday, June 13, 2008 at 9:38 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Pesticide Exceedance Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation1\_table\_061308.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On April 29, 2008 normal monitoring and upstream management plan monitoring were conducted in the ESJWQC region for the first irrigation season sampling event. Data were received from the laboratory on June 12, 2008. Exceedances of carbofuran, dieldrin and diuron were detected in samples collected during this event. See attached Table 1 for details on these exceedances.

b. Follow-up sampling for these pesticide exceedance will not be conducted. Monitoring for the second irrigation event occurred on May 20 and 27, 2008, and results from this monitoring event will indicate if the exceedances in this report are persistent.

c. The exceedances of carbofuran at Duck Slough @ Gurr Rd and dieldrin at Deadman Creek @ Gurr Rd were experienced for the first time and as a result a Communication Report will be submitted for these exceedances by August 18, 2008.

Mike Johnson

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**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during the first irrigation sampling event on April 29, 2008. The water quality trigger limit is listed below the constituent header. First-time exceedances are bolded.

Site Name	Sample Type	Sample Date	Season	Carbofuran <sup>1</sup>	Dieldrin	Diuron
				0 µg/L	0.00014 µg/L	2 µg/L
Deadman Creek @ Gurr Rd	NM	4/29/08	Irrigation		<b>0.028</b>	
Duck Slough @ Gurr Rd	NM	4/29/08	Irrigation	<b>0.05<sup>2</sup></b>		
Hilmar Drain @ Central Ave	MPM	4/29/08	Irrigation			3.4 <sup>3</sup>

<sup>1</sup> Prohibited discharge pesticide

<sup>2</sup> Between the laboratory minimum detection limit and reporting limit and therefore considered an estimate

<sup>3</sup> The reported value in the initial test exceeded the linear range and the sample was diluted by a factor of five.

NM – normal monitoring

MPM – management plan monitoring

**Sent: Wednesday, June 18, 2008 at 9:27 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Field Exceedance Report - Irrigation3 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation3\_table\_061808.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On June 17, 2008, normal and management plan monitoring were conducted in the ESJWQC region for the third irrigation season sampling event. Ambient water samples were collected from these sites for water toxicity and chemistry analyses. During the sampling field parameters were measured, however the Mustang Creek @ East Ave site was dry and field parameters were not taken. One exceedance of the receiving water quality trigger limit (WQTL) for pH, five exceedances of electrical conductivity (EC) and three exceedances of dissolved oxygen (DO) were experienced during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as a scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH experienced at Livingston Drain @ Robin Ave is typical and may be due natural conditions of the water body, among other possible sources. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. All exceedances in this report have been addressed in management plans or previous communication reports. The field exceedances experienced at management plan monitoring sites will be addressed in the subwatershed management plans and will not be included in communication reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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Michael L. Johnson LLC  
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Davis, CA 95618

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[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Field parameter water quality objective exceedances experienced for normal monitoring (NM) and management plan monitoring (MPM) during the third irrigation sampling event for ESJWQC receiving waters on June 17, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Hatch Drain @ Tuolumne Rd	NM	6/17/08		1292	0.99
Prairie Flower Drain @ Crows Landing Rd	NM	6/17/08		2049	
Livingston Drain @ Robin Ave	NM	6/17/08	8.97		
Hilmar Drain @ Central Ave	NM	6/17/08		1060	
Westport Drain @ Vivian Rd	NM	6/17/08		1107	5.43
Dry Creek @ Wellsford Rd	NM	6/17/08			6.31
Prairie Flower Drain @ Morgan Rd	MPM	6/17/08		2893	

**Sent: Tuesday, June 24, 2008 at 4:21 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen <pklassen@unwiredbb.com>, Mike Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, kcallinan@mlj-llc.com

**Subject:** Toxicity Exceedance Report - Irrigation3 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation3\_table\_062408.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On June 17, 2008, normal monitoring was conducted in the ESJWQC region for the third irrigation season sampling event. Toxicity results were received from the laboratory yesterday, June 23, 2008. Toxicity to *Pimephales* was experienced in samples collected from the Silva Drain @ Meadow Drive site. See attached Table 1 for details on this exceedance.

b.) Follow-up sampling is being conducted today, June 24, 2008. The results from the resampling event will indicate whether the toxicity is persistent at this site.

c.) The toxicity reported herein occurred for the first time during Coalition monitoring at this site and as a result a Communication Report will be submitted for this exceedance by August 27, 2008.

Mike Johnson

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**Table 1.** Water sample toxicity experienced in samples collected during the third irrigation sampling event for ESJWQC receiving waters on June 17, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Pimephales promelas</i> (% survival relative to control)
Silva Drain @ Meadow Drive	NM	6/17/08	Irrigation	82

NM = Normal Monitoring

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**Sent: Wednesday, June 25, 2008 at 9:44 AM**

**From:** K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <[mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**Subject:** Field Exceedance Report - Irrigation3 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation3\_table\_062508.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On June 24, 2008, normal monitoring, management plan monitoring and resampling were conducted in the ESJWQC region for the third irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for electrical conductivity (EC) and dissolved oxygen (DO) were experienced during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. The DO exceedance experienced at the Miles Creek @ Reilly Rd sample site occurred for the first time during Coalition monitoring and as a result a Communication Report will be submitted for this exceedance by August 28, 2008.

Mike Johnson  
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Krista Callinan  
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**Table 1.** Field parameter water quality trigger limit exceedances experienced during normal monitoring (NM) and management plan monitoring (MPM) for the third ESJWQC irrigation sampling event on June 24, 2008.

Sample Site	Sample Type	Sample Date	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Deadman Creek @ Gurr Rd	NM	6/24/08		4.85
Deadman Creek @ Hwy 59	NM	6/24/08		3.78
Duck Slough @ Hwy 59	MPM	6/24/08	841	4.22
Miles Creek @ Reilly Rd	NM	6/24/08		4.76

**Sent: Tuesday, July 1, 2008 at 9:00 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Susan Fregien <sfregien@waterboards.ca.gov>

**Cc:** Dania Huggins <dhuggins@waterboards.ca.gov>, Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** E. coli, Metals, Nutrients and Physical Parameters Exceedance Report - Irrigation2 2008

**Attachments:** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation2\_070108\_final.xls

Dear Susan,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On May 20 and 27, 2008 regular monitoring was conducted in the ESJWQC region for the second 2008 irrigation monitoring event. Water was collected for analysis of physical parameters, nutrients, metals and bacteria.

Exceedances of receiving water limitations for *E. coli*, color and metals were experienced. Final data were received from the laboratory on July 1, 2008. The sites, sampling dates and exceedances are provided in an excel spreadsheet attached to this email with the exceedance trigger listed under each constituent in the column headers. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. The third irrigation season monitoring event occurred on June 17 and June 24, 2008. Results from this monitoring event should indicate where water quality exceedances included in this report are persistent.

c.) First-time exceedances were experienced at Black Rascal Creek @ Yosemite Rd (nickel) and Deadman Creek @ Gurr Rd (TDS). As a result, a Communication Report will be submitted for these exceedances by September 4, 2008. All other exceedances in this report have been or will be addressed in Management Plans or previously scheduled Communication Reports and do not require follow-up reporting.

Mike Johnson  
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Krista Callinan  
Environmental Specialist

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**Table 1.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation2\_070108\_final.xls

Site Name	Station Code	Sample Date	Monitoring Type	E. Coli (235 MPN/100)	Color (15 color units)	TDS (450 mg/L)	Arsenic (10 ug/L)	Cadmium (0.04 ug/L or based on hardness)	Copper (170 ug/L or based on hardness)	Lead (2 ug/L or based on hardness)	Nickel (12 ug/L or based on hardness)	Nitrate as N (10 mg/L)
Bear Creek @ Kibby Rd	535XBCAKR	27/May/2008	NM		20							
Black Rascal Creek @ Yosemite Rd	535BRCAZR	27/May/2008	NM	920	250			0.1		5.5	14	
Cottonwood Creek @ Rd 20	545XCCART	27/May/2008	NM	250	32							
Deadman Creek @ Gurr Rd	535XDCAGR	27/May/2008	NM		85	520						
Deadman Creek @ Hwy 59	535DMCAHF	27/May/2008	NM	610	68		12					
Dry Creek @ Rd 18	545XDCARE	27/May/2008	NM		23				5 (3.5)			
Dry Creek @ Wellsford Rd	535XDCAWR	20/May/2008	NM	330	120							
Duck Slough @ Gurr Rd	535XDSAGR	27/May/2008	NM		70							
Duck Slough @ Gurr Rd FD	535XDSAGR-FD	27/May/2008	NM		65			0.06J				
Duck Slough @ Hwy 99	535XDSAHN	27/May/2008	NM		34							
Hatch Drain @ Tuolumne Rd	535XHDATA	20/May/2008	NM	2400	60	960	18					18
Highline Canal @ Hwy 99	535XHCHNN	20/May/2008	NM	240	24							
Highline Canal @ Lombardy Ave	535XHCALR	20/May/2008	NM	650	20							
Hilmar Drain @ Central Ave	535XHDACA	20/May/2008	NM	440	32	680						20
Livingston Drain @ Robin Ave	535XLDARA	20/May/2008	NM		18							
Merced River @ Santa Fe	535XMRSFD	20/May/2008	NM		17							
Miles Creek @ Reilly Rd	535XMCARR	27/May/2008	NM	>2400	34							
Prairie Flower Drain	535XPFDCL	20/May/2008	NM	610	66	1600						26

Site Name	Station Code	Sample Date	Monitoring Type	E. Coli (235 MPN/100)	Color (15 color units)	TDS (450 mg/L)	Arsenic (10 ug/L)	Cadmium (0.04 ug/L or based on hardness)	Copper (170 ug/L or based on hardness)	Lead (2 ug/L or based on hardness)	Nickel (12 ug/L or based on hardness)	Nitrate as N (10 mg/L)
@ Crows Landing Rd												
Silva Drain @ Meadow Dr	535XSDAMD	20/May/2008	NM		56							
Westport Drain @ Vivian Rd	535XWDAVR	20/May/2008	NM		28	720						23
Westport Drain @ Vivian Rd FD	535XWDAVR-FD	20/May/2008	NM		20	710						22
Prairie Flower Drain @ Morgan Rd	535XPFDMR	20/May/2008	MPM									22
Dry Creek @ Rd 22	545XDCART	27/May/2008	MPM						5.7 (4.1)			

FD- field duplicated

J- estimated value; between laboratory reporting limit and minimum detection limit

NM- normal monitoring

MPM- management plan monitoring

**Sent: Wednesday, July 9, 2008 at 8:11 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Susan Fregien <sfregien@waterboards.ca.gov>

**Cc:** Dania Huggins <dhuggins@waterboards.ca.gov>, Parry Klassen [pklassen@unwireddb.com](mailto:pklassen@unwireddb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation4 2008 MPM

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation4\_MPM\_table\_070908.doc

Dear Susan,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On July 8, 2008 management plan monitoring was conducted in the ESJWQC region for the fourth irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for pH and dissolved oxygen (DO) were experienced during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH experienced at Livingston Drain @ Robin Ave is typical and may be due natural conditions of the water body. The high pH detected at Highline Canal has also occurred in the past and may also be due to natural conditions or a direct input, among other possible sources. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). All exceedances in this report have been addressed in management plans or previous communication reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
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**Table 1.** Field parameter water quality trigger limit exceedances experienced during management plan monitoring (MPM) for the fourth ESJWQC irrigation sampling event on July 8, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	Dissolved Oxygen (mg/L)
Black Rascal Creek @ Yosemite Rd	MPM	7/8/08		2.3
Livingston Drain @ Robin Ave	MPM	7/8/08	8.97	

Sample Site	Sample Type	Sample Date	pH (pH units)	Dissolved Oxygen (mg/L)
Highline Canal @ Lombardy Ave	MPM	7/8/08	8.56	
Silva Drain @ Meadow Dr	MPM	7/8/08		1.38

**Sent: Wednesday, July 23, 2008 at 8:36 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Susan Fregien <sfregien@waterboards.ca.gov>

**Cc:** Dania Huggins <dhuggins@waterboards.ca.gov>, Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation4 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation4\_table\_072308.doc

Dear Susan,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On July 22, 2008 normal monitoring and upstream management plan monitoring was conducted in the ESJWQC region for the fourth irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for electrical conductivity (EC) and dissolved oxygen (DO) were experienced during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). All exceedances in this report are being addressed in Management Plans or have been discussed in previous Communication Reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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Krista Callinan  
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 Tel: 530-756-5200  
 Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Field parameter water quality trigger limit exceedances experienced during normal monitoring (NM) and upstream management plan monitoring (MPM) for the fourth ESJWQC irrigation sampling event on July 22, 2008.

Sample Site	Sample Type	Sample Date	EC (µS/cm)	Dissolved Oxygen (mg/L)
Westport Drain @ Vivian Ave	NM	7/22/08	1079	5.02
Hatch Drain @ Tuolumne Rd	NM	7/22/08	1326	0.67
Prairie Flower Drain @ Crows Landing Rd	NM	7/22/08	1012	2.51
Prairie Flower Drain @ Morgan Rd	MPM	7/22/08	1417	2.76
Hilmar Drain @ Central Ave	NM	7/22/08	1074	
Hilmar Drain @ Mitchell Rd	MPM	7/22/08	995	6.93
Reclamation Drain @ Williams Ave	MPM	7/22/08	1558	
Dry Creek @ Wellsford Rd	NM	7/22/08		6.67
Dry Creek @ Waterford Rd	MPM	7/22/08		6.08
Silva Drain @ Meadow Dr	NM	7/22/08		2.10

**Sent: Friday, July 25, 2008 at 9:04 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Pesticide Exceedance Report - Irrigation2 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation2\_table\_072508.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On May 27, 2008 normal monitoring and upstream management plan monitoring were conducted in the ESJWQC region for the second irrigation season sampling event. Initial data were received from the laboratory on July 11, 2008. A discrepancy between the primary and the confirmation column resulted in a revision of the final report. Those results were provided on July 24, 2008. One exceedance of cyanazine was detected in samples collected during this event. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for this pesticide exceedance will not be conducted. Monitoring for the third irrigation event occurred on June 17 and 24, 2008, and results from this monitoring event will indicate if the exceedance in this report is persistent.

c. The exceedance of cyanazine at the Cottonwood Creek site was experienced for the first time and as a result a Communication Report will be submitted for this exceedances by September 29, 2008.

Mike Johnson

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**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during the second irrigation sampling event on May 27, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Cyanazine
			1.0 µg/L
Cottonwood Creek @ Rd 20	NM	5/27/08	1.1

NM – normal monitoring

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**Sent: Monday, July 28, 2008 at 9:20 AM**

**From:** K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <[mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**Subject:** Pesticide Exceedance Report

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation3\_table\_072808.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On June 17, 2008 normal monitoring and upstream management plan monitoring were conducted in the ESJWQC region for the third irrigation season sampling event. Data were received from the laboratory on July 23, 2008. One exceedance of chlorpyrifos was detected in the field duplicate sample collected from Livingston Drain @ Robin Ave. Chlorpyrifos was not detected at a level above the water quality trigger limit in the complimentary grab sample from the same site. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for this pesticide exceedance will not be conducted. Monitoring for the fourth irrigation event occurred on July 22 and 29, 2008, and results from this monitoring event will indicate if the exceedances in this report are persistent.

c. The exceedance of chlorpyrifos at Livingston Drain @ Robin Ave has been addressed in a management plan or a previous communication report. As a result, a Communication Report will not be submitted for this exceedance.

Mike Johnson

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**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during normal monitoring (NM) for the third irrigation sampling event on June 17, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Season	Chlorpyrifos
				0.015 µg/L
Livingston Drain @ Robin Ave	NM	6/17/08	Irrigation	0.23*

\*Detected at levels above the water quality trigger limit for chlorpyrifos in the field duplicate sample only. Chlorpyrifos was detected at a level of 0.015 µg/L in the associated grab sample

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**Sent: Monday, July 28, 2008 at 11:35 AM**

**From:** K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <[mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**Subject:** Metals, E.coli, Nutrients and Physical Parameter Exceedance Report - Irrigation3 2008

**Attachments:** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation3A\_072808\_final.xls  
ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation3B\_072808\_final.xls

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) **On June 17 and 25, 2008** regular monitoring and management plan monitoring were conducted in the ESJWQC region for the third 2008 irrigation monitoring event. Water was collected for the analysis of physical parameters, nutrients, metals and bacteria. Final data for this event were received from the laboratory on July 21 and 23, 2008. Exceedances of receiving water limitations for *E. coli*, total dissolved solids (TDS), color, ammonia, nitrate and metals were detected. A discrepancy in the data is apparent in the results for copper between the grab and field duplicate samples collected on June 17, 2008. The field duplicate sample is being re-run by the laboratory and an amended report will be provided to the Coalition shortly. These results and an explanation of the discrepancy will be provided in the next Coalition Annual Monitoring Report. The sites and exceedances are provided in two excel spreadsheets, separated by sampling date, attached to this email. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Results from the fourth irrigation season event, occurring this month, should indicate where water quality exceedances included in this report are persistent.

c.) First-time exceedances at normal monitoring sites were experienced at Bear Creek @ Kibby Rd (arsenic), South Slough @ Quinley Rd (copper and lead), Livingston Drain @ Robin Ave (nitrate) and Silva Drain @ Meadow Dr (cadmium and copper). As a result, a Communication Report will be submitted for these exceedances by September 30, 2008. All other exceedances in this report have been or will be addressed in Management Plans or previously scheduled Communication Reports and do not require follow-up reporting.

Mike Johnson  
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**Table 1.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation3A\_072808\_final.xls

Site Name	Station Code	Sample Date	Monitoring Type	E. Coli (235 MPN/100)	Color (15 color units)	TDS (450 mg/L)	Ammonia (1.5 mg/L or variable based on pH and temperature)	Arsenic (10 ug/L)	Cadmium (0.04 ug/L or based on hardness)	Copper (170 ug/L or based on hardness)	Nitrate as N (10 mg/L)
Dry Creek @ Wellsford Rd	535XDCAWR	17/Jun/2008	NM	>2400	85						
Hatch Drain @ Tuolumne Rd	535XHDATA	17/Jun/2008	NM	390	40	930		17			18
Hilmar Drain @ Central Ave	535XHDACA	17/Jun/2008	NM	1000	100	650					
Livingston Drain @ Robin Ave FD	535XLDARA-FD	17/Jun/2008	NM								<b>11</b>
Livingston Drain @ Robin Ave	535XLDARA	17/Jun/2008	NM							45* (13)	<b>11</b>
Merced River @ Santa Fe	535XMRSFD	17/Jun/2008	NM		18						
Prairie Flower Drain @ Crows Landing Rd	535XPFDCL	17/Jun/2008	NM	1300	120	1200	2.1		0.06J		19
Silva Drain @ Meadow Dr	535XSDAMD	17/Jun/2008	NM	>2400	200		13		<b>0.1</b>	<b>68 (27)</b>	
Westport Drain @ Vivian Rd	535XWDAVR	17/Jun/2008	NM	260	36	750					25
Prairie Flower Drain @ Morgan Rd	535XPFDMR	17/Jun/2008	MPM								30

\*Detection of copper below the water quality trigger limit in the associated field duplicate sample

FD- field duplicated

J- estimated value; between laboratory reporting limit and minimum detection limit

NM- normal monitoring

MPM- management plan monitoring

**Table 2.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation3B\_072808\_final.xls

Site Name	StationCode	SampleDate	Monitoring Type	E. Coli (235 MPN/100)	Color (15 color units)	Arsenic (10 ug/L)	Copper (170 ug/L or based on hardness)	Lead (2 ug/L or based on hardness)
Bear Creek @ Kibby Rd	535XBCAKR	24/Jun/2008	NM		27	17		
Black Rascal Creek @ Yosemite Rd	535BRCAJR	24/Jun/2008	NM	490	200			
Cottonwood Creek @ Rd 20	545XCCART	24/Jun/2008	NM	1300	46			
Deadman Creek @ Gurr Rd	535XDCAGR	24/Jun/2008	NM		60			
Deadman Creek @ Hwy 59	535DMCAHF	24/Jun/2008	NM	310	90	17		
Dry Creek @ Rd 18	545XDCARE	24/Jun/2008	NM				4 (2.6)	
Duck Slough @ Gurr Rd	535XDSAGR	24/Jun/2008	NM		35			
Duck Slough @ Hwy 99	535XDSAHN	24/Jun/2008	NM		26			
Duck Slough @ Hwy 99 - FD	535XDSAHN-FD	24/Jun/2008	NM		32			
Miles Creek @ Reilly Rd	535XMCARR	24/Jun/2008	NM		65			
South Slough @ Quinley Rd	535XSSAQR	24/Jun/2008	NM		30		4 (3.7)	0.85 (0.81)
Cottonwood Creek @ Hwy 145	545XCCAHO	24/Jun/2008	MPM				39 (5.5)	
Dry Creek @ Rd 22	545XDCART	24/Jun/2008	MPM				6.5 (2.6)	
Duck Slough @ Whealan Rd	535XDSAWH	24/Jun/2008	MPM				73 (5.0)	

FD- field duplicated

NM- normal monitoring

MPM- management plan monitoring

**Sent: Monday, July 28, 2008 at 3:05 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Toxicity Exceedance Report - Irrigation4 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation4\_table\_072808.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On July 22, 2008, normal monitoring and management plan monitoring was conducted in the ESJWQC region for the fourth irrigation season sampling event. Toxicity results were received from the laboratory today, July 28, 2008. Toxicity to *Ceriodaphnia dubia* and *Selenastrum capricornutum* was experienced in samples collected during this event. See attached Table 1 for details on these exceedances.

b.) Follow-up sampling will be conducted tomorrow, July 29, 2008. The results from the resampling event will indicate whether the toxicity is persistent at these sites.

c.) All of the toxicity exceedances included in this report have been addressed in Management Plans or previous Communication Reports. As a result, follow-up reporting is not required for these exceedances.

Mike Johnson

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**Table 1.** Water toxicity in samples collected for normal monitoring (NM) and management plan monitoring (MPM) during the fourth irrigation season monitoring event for ESJWQC receiving waters on July 22, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Ceriodaphnia dubia</i> (% survival relative to control)	<i>Selenastrum capricornutum</i> (% growth relative to control)
Hatch Drain @ Tuolumne Rd	NM	7/22/08	Irrigation		44
Silva Drain @ Meadow Drive	NM	7/22/08	Irrigation	0**	
Silva Drain @ Meadow Drive - FD	NM	7/22/08	Irrigation	0	
Hilmar Drain @ Mitchell Rd	MPM	7/22/08	Irrigation		70

\*\*Acute *Ceriodaphnia dubia* TIE and dilution series initiated for this sample

**Sent: Wednesday, July 30, 2008 at 8:47 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Copper Exceedance Report - Irrigation4 MPM 2008

**Attachments:** ESJWQC\_08\_ER\_Copper\_Tbl\_Irrigation4\_MPM\_073008\_final.xls

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On July 8, 2008 management plan monitoring was conducted in the ESJWQC region for the fourth 2008 irrigation monitoring event. Water was collected from two sites for analysis of copper. One exceedance of the receiving water limitation for copper was detected at the Livingston Drain @ Robin Ave sample site. Final data were received from the laboratory on July 28, 2008. Details on this exceedance is provided in an excel spreadsheet attached to this email. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for this exceedance. Normal monitoring for the fourth irrigation season event occurred on July 22 and 29, 2008. Results from those days of monitoring should indicate whether the water quality exceedance included in this report is persistent.

c.) The exceedance in this report is being addressed in the Coalition Management Plan and therefore does not require follow-up reporting.

Mike Johnson

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Site Name	Station Code	Sample Date	Monitoring Type	Hardness (mg/L)	Copper (170 ug/L or based on hardness)
Livingston Drain @ Robin Ave	535XLDARA	08/Jul/2008	MPM	56	110 (5.7)

MPM- management plan monitoring

**Sent: Thursday, July 31, 2008 at 8:57 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation4 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation4\_table\_073108.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On July 29, 2008, normal monitoring, management plan monitoring and toxicity resampling were conducted in the ESJWQC region for the fourth irrigation season sampling event. Ambient water samples were collected from these sites for water toxicity and chemistry analyses. During the sampling field parameters were measured. Two exceedances of the receiving water quality trigger limit (WQTL) for specific conductivity (EC) and nine exceedances of dissolved oxygen (DO) were experienced during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as a scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). All exceedances in this report have been addressed in management plans or previous communication reports and do not require follow-up reporting. The field exceedances experienced at management plan monitoring sites will be addressed in the subwatershed management plans and will not be included in communication reports.

Mike Johnson

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**Table 1.** Field parameter water quality objective exceedances experienced for normal monitoring (NM), management plan monitoring (MPM) and resampling (RS) during the fourth irrigation sampling event for ESJWQC receiving waters on July 29, 2008.

Sample Site	Sample Type	Sample Date	Specific Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Silva Drain @ Meadow Dr	RS	7/29/08		5.96
Berenda Slough @ Rd 19	MPM	7/29/08		1.10
Black Rascal Creek @ Yosemite Rd	NM	7/29/08		4.49
Duck Slough @ Hwy 59	MPM	7/29/08		4.83
Miles Creek @ Reilly Rd	NM	7/29/08		5.34
Deadman Creek @ Hwy 59	NM	7/29/08		3.08
Deadman Creek @ Gurr Rd	NM	7/29/08		6.87
Hatch Drain @ Tuolumne Rd	RS	7/29/08	1301	0.90
Hilmar Drain @ Mitchell Rd	RS	7/29/08	770	1.81

**Sent: Monday, August 4, 2008 at 3:54 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Toxicity Exceedance Report - Irrigation4 RS 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation4\_RS\_table\_080308.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On July 29, 2008, resampling was conducted in the ESJWQC region for the fourth irrigation season sampling event. Toxicity results were received from the laboratory today, August 3, 2008. Toxicity to *Ceriodaphnia dubia* and *Selenastrum capricornutum* was experienced in samples collected during this event. See attached Table 1 for details on these exceedances.

b.) This sampling event was conducted as follow-up to toxicity experienced in previous samples, therefore additional follow-up sampling will not be conducted. Sampling will occur again at these sites for the fifth irrigation season event on August 19 and 26, 2008.

c.) The exceedances provided in this report have been or will be addressed in a management plan or previously scheduled communication report and therefore follow-up reporting is not required.

Mike Johnson

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**Table 1.** Water sample toxicity experienced in resamples collected during the fourth irrigation sampling event for ESJWQC receiving waters on July 29, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Ceriodaphnia dubia</i> (% survival relative to control)	<i>Selenastrum capricornutum</i> (% growth relative to control)
Hatch Drain @ Tuolumne Rd	RS	7/29/08	Irrigation		52
Silva Drain @ Meadow Dr	RS	7/29/08	Irrigation	20	
Hilmar Drain @ Mitchell Rd	RS	7/29/08	Irrigation		22

RS = Resample

**Sent: Wednesday, August 6, 2008 at 1:02 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwireddb.com](mailto:pklassen@unwireddb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation5 MPM 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation5\_MPM\_table\_080508.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On August 5, 2008 management plan monitoring was conducted in the ESJWQC region for the fifth irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for dissolved oxygen (DO) were detected at four sites during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). All exceedances in this report have been addressed in management plans or previous communication reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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**Table 1.** Field parameter water quality trigger limit exceedances detected during management plan monitoring (MPM) for the fifth ESJWQC irrigation sampling event on August 5, 2008.

Sample Site	Sample Type	Sample Date	Dissolved Oxygen (mg/L)
Silva Drain @ Meadow Dr	MPM	8/5/08	3.37
Deadman Creek @ Hwy 59	MPM	8/5/08	4.51
Miles Creek @ Reilly Rd	MPM	8/5/08	6.93
Black Rascal Creek @ Yosemite Rd	MPM	8/5/08	5.58

**Sent: Wednesday, August 20, 2008 at 8:53 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation5 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation5\_table\_082008.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On August 19, 2008, normal monitoring and management plan monitoring was conducted in the ESJWQC region for the fifth irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for electrical conductivity (EC), pH and dissolved oxygen (DO) were detected during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed in this report experience toxicity and require re-sampling, field parameters will then be measured again at those sites.

c) DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source.

The high pH experienced at both Highline Canal sites may be due to temporary natural conditions of the water body, among other possible sources. Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. All exceedances in this report have been addressed in management plans or previous communication reports. The field exceedances experienced at management plan monitoring sites will be addressed in the subwatershed management plans and will not be included in Communication Reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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**Table 1.** Field parameter water quality trigger limit exceedances experienced during normal monitoring (NM) and management plan monitoring (MPM) for the fifth ESJWQC irrigation sampling event on August 19, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Westport Drain @ Vivian Rd	NM	8/19/08		1088	3.59
Hatch Drain @ Tuolumne Rd	NM	8/19/08		1330	1.4
Prairie Flower Drain @ Crows Landing Rd	NM	8/19/08		956	4.93
Prairie Flower Drain @ Morgan Rd	MPM	8/19/08		1300	3.63
Hilmar Drain @ Central Ave	NM	8/19/08		1590	
Dry Creek @ Wellsford Rd	NM	8/19/08			6.85
Silva Drain @ Meadow Dr	NM	8/19/08			3.73
Highline Canal @ Lombardy Ave	NM	8/19/08	8.65		
Highline Canal @ Hwy 99	NM	8/19/08	9.24		
Dry Creek @ Waterford Rd	MPM	8/19/08			5.93

**Sent: Monday, August 25, 2008 at 12:13 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Pesticide Exceedance Report - Irrigation4 MPM 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation4\_MPM\_table\_082508.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On July 22, 2008 normal monitoring and upstream management plan monitoring were conducted in the ESJWQC region for the fourth irrigation season sampling event. Samples were collected for the analysis of chemistry and toxicity. Pesticide data were received from the laboratory on August 25, 2008. One exceedance of chlorpyrifos was detected in samples collected during this event. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for this pesticide exceedance will not be conducted. Management Plan Monitoring for chlorpyrifos occurred again at this site on August 19, 2008, and results from this monitoring event will indicate if the exceedance in this report is persistent.

c. The exceedance of chlorpyrifos at the Dry Creek site is a result of follow-up monitoring for the purpose of Management Plans. This exceedance will further be addressed in the updated Coalition Management Plan and therefore a Communication Report will not be submitted for this exceedance.

Mike Johnson

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**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during the fourth irrigation sampling event on July 22, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Chlorpyrifos
			0.015 µg/L
Dry Creek @ Waterford Rd	MPM	7/22/08	0.02

MPM – management plan monitoring

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**Sent: Tuesday, August 26, 2008 at 8:47 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Toxicity Exceedance Report - Irrigation5 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation5\_table\_082608.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-

up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On August 19, 2008, normal monitoring and management plan monitoring were conducted in the ESJWQC region for the fifth irrigation season sampling event. Toxicity results were received from the laboratory today, August 26, 2008. Toxicity to *Selenastrum capricornutum* occurred in samples collected from one site during this event. See attached Table 1 for details on this exceedance.

b.) Follow-up sampling will be conducted today, August 26, 2008. The results from the resampling event will indicate whether the toxicity is persistent at the site.

c.) The toxicity exceedance included in this report has been addressed in Management Plans or previous Communication Reports. As a result, follow-up reporting is not required for this exceedance.

Mike Johnson

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**Table 1.** Water toxicity in samples collected for normal monitoring (NM) and management plan monitoring (MPM) during the fourth irrigation season monitoring event for ESJWQC receiving waters on August 19, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)
Hatch Drain @ Tuolumne Rd	NM	8/19/08	Irrigation	43*

\*Chronic *Selenastrum capricornutum* Toxicity Identification Evaluation initiated for this sample

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**Sent: Wednesday, August 27, 2008 at 3:22 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation5 & RS 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation5\_table\_082708.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On August 26, 2008 normal monitoring, upstream management plan monitoring and resampling were conducted in the ESJWQC region for the fifth irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for electrical conductivity (EC) and dissolved oxygen (DO) were detected during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). All exceedances in this report are being addressed in Management Plans or have been discussed in previous Communication Reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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**Table 1.** Field parameter water quality trigger limit exceedances experienced during normal monitoring (NM), upstream management plan monitoring (MPM) and resampling (RS) for the fifth ESJWQC irrigation sampling event on August 26, 2008.

Sample Site	Sample Type	Sample Date	EC (µS/cm)	Dissolved Oxygen (mg/L)
Cottonwood Creek @ Rd 20	NM	8/26/08		6.83
Cottonwood Creek @ Hwy 145	MPM	8/26/08		6.45
Dry Creek @ Rd 18	NM	8/26/08		5.82
Black Rascal Creek @ Yosemite Rd	NM	8/26/08		2.58
Deadman Creek @ Gurr Rd	NM	8/26/08		5.21
Deadman Creek @ Hwy 59	NM	8/26/08		1.78
Miles Creek @ Reilly Rd	NM	8/26/08		5.86
Hatch Drain @ Tuolumne Rd	RS	8/26/08	1493	1.10

**Sent: Thursday, August 28, 2008 at 3:55 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <[mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**Subject:** Metals, E. coli and physical parameters Exceedance Report - Irrigation4 2008

**Attachments:** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation4B\_082608\_final.xls

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On July 22 and 29, 2008 regular monitoring and management plan monitoring were conducted in the ESJWQC region for the fourth 2008 irrigation monitoring event. Water was collected for the analysis of physical parameters, nutrients, metals and bacteria. Final data for samples collected on July 29, 2009 were received from the laboratory on August 25, 2008. Exceedances of receiving water limitations for *E. coli*, color and metals were detected. The sites and exceedances are provided in an excel spreadsheet attached to this email. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Results from the fifth irrigation season event, that occurred this month, should indicate where water quality exceedances included in this report are persistent.

c.) All exceedances in this report have been or will be addressed in Management Plans or previously scheduled Communication Reports and do not require follow-up reporting. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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**Table 1.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation4B\_082608\_final.xls

Site Name	Monitoring Type	StationCode	SampleDate	E. Coli (235 MPN/100)	Color (15 color units)	Cadmium (0.04 ug/L or based on hardness)	Copper (170 ug/L or based on hardness)	Lead (2 ug/L or based on hardness)
Ash Slough @ Ave 21	NM	545XASAAT	Dry Site					
Bear Creek @ Kibby Rd	NM	535XBCAKR	29/Jul/2008		28			
Berenda Slough along Ave 18 1/2	NM	545XBAAE	Dry Site					
Black Rascal Creek @ Yosemite Rd	NM	535BRCAZR	29/Jul/2008		100			
Cottonwood Creek @ Rd 20	NM	545XCCART	29/Jul/2008	1000	170			
Deadman Creek @ Gurr Rd	NM	535XDCAGR	29/Jul/2008		130			
Deadman Creek @ Hwy 59	NM	535DMCAHF	29/Jul/2008	490	66			
Dry Creek @ Rd 18	NM	545XDCARE	29/Jul/2008				5.9 (1.5)	
Duck Slough @ Gurr Rd	NM	535XDSAGR	29/Jul/2008		65			
Duck Slough @ Hwy 99	NM	535XDSAHN	29/Jul/2008		60		2.7 (2.6)	0.69 (0.5)
Miles Creek @ Reilly Rd	NM	535XMCARR	29/Jul/2008		65	0.07J	7.5 (4.6)	1.7 (1.1)
Miles Creek @ Reilly Rd - FD	NM	535XMCARR -FD	29/Jul/2008	250	45		7.9 (5.5)	1.6 (1.5)
South Slough @ Quinley Rd	NM	535XSSAQR	29/Jul/2008		45			
Cottonwood Creek @ Hwy 145	MPM	545XCCAHO	29/Jul/2008					
Dry Creek @ Rd 22	MPM	545XDCART	29/Jul/2008				7 (2.4)	
Duck Slough @ Hwy 59	MPM	535XDSEFN	29/Jul/2008					
Duck Slough @ Whealan Rd	MPM	535XDSEWH	29/Jul/2008					
Dry Creek @ Rd 28 1/2	MPM	545XDCATE	29/Jul/2008				5.3 (1.7)	
North Slough @ Hwy 59	MPM	535XNSHFN	Dry Site					

FD- field duplicated

J- estimated value; between laboratory reporting limit and minimum detection limit

NM- normal monitoring

MPM- management plan monitoring

**Sent: Friday, August 29, 2008 at 1:54 PM**

**From:** Melissa Turner <mturner@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)

**Subject:** Field Exceedance Report - Irrigation5 Sediment 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation6Sed\_table\_082908.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On August 28, 2008 sediment monitoring were conducted in the ESJWQC region. Sediment samples were collected for sediment toxicity and during the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for pH, electrical conductivity (EC) and dissolved oxygen (DO) were detected during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. These sites were visited for water quality monitoring during the last two weeks and field parameter exceedances previously reported. These sites will again be visited in September.

c) Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH experienced at Livingston Drain site may be due to temporary natural conditions of the water body, among other possible sources, resulting in a pH level just slightly above the WQTL. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). All exceedances in this report are being addressed in Management Plans or have been discussed in previous Communication Reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

**Table 1.** Field parameter water quality trigger limit exceedances experienced during sediment monitoring (Sediment) fifth ESJWQC irrigation sampling event on August 28, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Black Rascal Creek @ Yosemite Rd	Sediment	8/28/08	2.26		
Deadman Creek @ Gurr Rd	Sediment	8/28/08	5.90		
Deadman Creek @ Hwy 59	Sediment	8/28/08	1.05		
Dry Creek @ Rd 18	Sediment	8/28/08	5.62		
Dry Creek @ Wellsford Rd	Sediment	8/28/08	6.64		
Hatch Drain @ Tuolumne Rd	Sediment	8/28/08		1391	1.31
Hilmar Drain @ Central Ave	Sediment	8/28/08		1172	6.32
Livingston Drain @ Robin Ave	Sediment	8/28/08	8.67		

Sample Site	Sample Type	Sample Date	pH (pH units)	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Miles Creek @ Reilly Rd	Sediment	8/28/08	5.33		
Prairie Flower Drain @ Crows Landing Rd	Sediment	8/28/08		1114	
Silva Drain @ Meadow Dr	Sediment	8/28/08			3.32
Westport Drain @ Vivian Rd	Sediment	8/28/08		1100	

**Sent: Tuesday, October 7, 2008 at 11:19 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Re: Field Exceedance Report - Irrigation5 Sediment 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation\_sediment\_table\_082908\_amended.doc

Dear Dania,

Upon review of our exceedance data, we noticed that in the Field Exceedance Report submitted on August 29, 2008, the table of exceedances was jumbled. Attached I have included an amended table of field exceedances for the sediment monitoring event that occurred on August 28, 2008. As reported on August 29, 2008, all of the exceedances in this report have occurred previous to the August 28, 2008 monitoring event and therefore do not require a Communication Report. Please let us know if you have any questions on these exceedances.

Sincerely,

Krista

**Table 1.** Amended table of field parameter water quality trigger limit exceedances detected during irrigation sediment monitoring (Sediment) on August 28, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	Electrical Conductivity (uS/cm)	Dissolved Oxygen (mg/L)
Black Rascal Creek @ Yosemite Rd	Sediment	8/28/08			2.26
Deadman Creek @ Gurr Rd	Sediment	8/28/08			5.90
Deadman Creek @ Hwy 59	Sediment	8/28/08			1.05
Dry Creek @ Rd 18	Sediment	8/28/08			5.62
Dry Creek @ Wellsford Rd	Sediment	8/28/08			6.64
Hatch Drain @ Tuolumne Rd	Sediment	8/28/08		1391	1.31
Hilmar Drain @ Central Ave	Sediment	8/28/08		1172	6.32
Livingston Drain @ Robin Ave	Sediment	8/28/08	8.67		
Miles Creek @ Reilly Rd	Sediment	8/28/08			5.33
Prairie Flower Drain @ Crows Landing Rd	Sediment	8/28/08		1114	
Silva Drain @ Meadow Dr	Sediment	8/28/08			3.32
Westport Drain @ Vivian Rd	Sediment	8/28/08		1100	

**Sent: Tuesday, September 2, 2008 at 3:31 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>  
**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>  
**Subject:** Pesticide Exceedance Report - Irrigation5 MPM 2008  
**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation5\_MPM\_table\_90208.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On August 5, 2008 management plan monitoring was conducted in the ESJWQC region for the fifth irrigation season sampling event. Samples were collected for the analysis of chemistry and toxicity. Pesticide data were received from the laboratory on August 27, 2008. Two exceedances of chlorpyrifos were detected in samples collected during this event. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for this pesticide exceedance will not be conducted. Normal monitoring occurred at these sites on August 19 or 26, 2008, and results from this monitoring event will indicate whether the exceedances in this report are persistent.

c. The exceedances of chlorpyrifos at the Silva Drain and Deadman Creek sites are a result of follow-up monitoring for the purpose of Management Plans. These exceedances will be further addressed in the updated Coalition Management Plans and therefore a Communication Report will not be submitted for these exceedances.

Mike Johnson  
 --

Krista Callinan  
 Environmental Specialist  
 Michael L. Johnson LLC  
 1490 Drew Ave, Suite 175  
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 Tel: 530-756-5200  
 Fax: 530-756-5225  
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**Table 1.** Pesticide exceedances from the ESJWQC region in samples collected during the fourth irrigation management plan monitoring (MPM) event on August 5, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Chlorpyrifos
			0.015 µg/L
Silva Drain @ Meadow Dr	MPM	08/05/08	0.021
Deadman Creek along Hoffman Ln	MPM	08/05/08	0.14

**Sent: Friday, September 5, 2008 at 2:40 PM**  
**From:** K Callinan <kcallinan@mlj-llc.com>  
**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <[mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**Subject:** Metals, E. coli, Physical Parameters and Nutrients Exceedance Report - Irrigation4 2008

**Attachments:** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation4A\_090508\_final.xls

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On July 22 and 29, 2008 regular monitoring and management plan monitoring were conducted in the ESJWQC region for the fourth 2008 irrigation monitoring event. Water was collected for the analysis of physical parameters, nutrients, metals and bacteria. Final data for samples collected on July 22, 2009 were received from the laboratory on August 29, 2008. Exceedances of receiving water limitations for *E. coli*, nutrients, physical parameters and metals were detected. The sites and exceedances are provided in an excel spreadsheet attached to this email. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Results from the fifth irrigation season event, that occurred this month, should indicate where water quality exceedances included in this report are persistent.

c.) All exceedances in this report have been or will be addressed in Management Plans or previously scheduled Communication Reports and do not require follow-up reporting. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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Krista Callinan  
Environmental Specialist  
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Davis, CA 95618  
Tel: 530-756-5200  
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[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation4A\_090508\_final.xls

Site Name	Station Code	Sample Date	Monitoring Type	E. Coli (235 MPN/100)	Color (15 color units)	TDS (450 mg/L)	Arsenic (10 ug/L)	Cadmium (0.04 ug/L or based on hardness)	Copper (170 ug/L or based on hardness)	Lead (2 ug/L or based on hardness)	Nitrate as N (10 mg/L)
Dry Creek @ Wellsford Rd	535XDCAWR	22/Jul/2008	NM	>2400	120						
Hatch Drain @ Tuolumne Rd	535XHDATR	22/Jul/2008	NM	650	170	900	19			3.8	27
Highline Canal @ Hwy 99	535XHCHNN	22/Jul/2008	NM		18						
Hilmar Drain @ Central Ave	535XHDACA	22/Jul/2008	NM	270	38	710					21
Livingston Drain @ Robin Ave	535XLDARA	22/Jul/2008	NM	440	17				17 (16.9)		
Merced River @ Santa Fe	535XMRSFD	22/Jul/2008	NM		20						
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	22/Jul/2008	NM	250	100	620					11
Silva Drain @ Meadow Dr	535XSDAMD	22/Jul/2008	NM	410	260			0.08J			
Silva Drain @ Meadow Dr - FD	535XSDAMD-FD	22/Jul/2008	NM	650	260			0.06J			
Westport Drain @ Vivian Rd	535XWDAVR	22/Jul/2008	NM	1000	27	760					25
Hilmar Drain @ Mitchell Rd	535XHDAMR	22/Jul/2008	MPM								28

FD- field duplicated

J- estimated value; between laboratory reporting limit and minimum detection limit

NM- normal monitoring

MPM- management plan monitoring

**Sent: Wednesday, September 10, 2008 at 8:44 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Field Exceedance Report - Irrigation6 MPM 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation6\_MPM\_table\_091008.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On September 9, 2008 management plan monitoring was conducted in the ESJWQC region for the sixth irrigation season sampling event. Ambient water samples were collected for management plan constituent analysis and field parameters were measured at all sites. Exceedances of the receiving water quality trigger limits (WQTL) for dissolved oxygen (DO) and pH were detected during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH experienced at three sites during this monitoring event may be due to temporary natural conditions of the water bodies, among other possible sources. All exceedances in this report have been addressed in management plans or previous communication reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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Krista Callinan

Environmental Specialist

Michael L. Johnson LLC

1490 Drew Ave, Suite 175

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Tel: 530-756-5200

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[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Field parameter water quality trigger limit exceedances detected during management plan monitoring (MPM) for the sixth ESJWQC irrigation sampling event on September 9, 2008.

Sample Site	Sample Type	Sample Date	Dissolved Oxygen (mg/L)	pH (pH units)
Deadman Creek @ Hwy 59	MPM	9/9/08	3.37	
Black Rascal Creek @ Yosemite Rd	MPM	9/9/08	4.18	

Sample Site	Sample Type	Sample Date	Dissolved Oxygen (mg/L)	pH (pH units)
Livingston Drain @ Robin Ave	MPM	9/9/08		8.72

**Sent: Wednesday, November 5, 2008 at 11:34 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Re: Field Exceedance Report - Irrigation6 MPM 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation6\_MPM\_table\_091008\_amended.doc

Dear Dania,

Attached is an amended table of field exceedances for the Irrigation6 MPM event. One exceedance at the Highline Canal @ Hwy 99 site was left out of the report (accidentally submitted along with the SJCDWQC report). I apologize for the mistake.

Sincerely,

Krista

**Table 1.** Field parameter water quality trigger limit exceedances detected during management plan monitoring (MPM) for the sixth ESJWQC irrigation sampling event on September 9, 2008.

Sample Site	Sample Type	Sample Date	Dissolved Oxygen (mg/L)	pH (pH units)
Deadman Creek @ Hwy 59	MPM	9/9/08	3.37	
Black Rascal Creek @ Yosemite Rd	MPM	9/9/08	4.18	
Livingston Drain @ Robin Ave	MPM	9/9/08		8.72
Highline Canal @ Hwy 99	MPM	9/9/08		8.73

**Sent: Friday, September 12, 2008 at 3:08 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Pesticide Exceedance Report - Irrigation4 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation4\_table\_091208.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On July 22, 2008 normal monitoring and upstream management plan monitoring were conducted in the ESJWQC region for the fourth irrigation season sampling event. Data for the normal monitoring samples

were received from the laboratory on September 11, 2008. Exceedances of chlorpyrifos and dimethoate were detected during this monitoring event. See attached Table 1 for details on these exceedances.

b. Follow-up sampling for these pesticide exceedances will not be conducted. Monitoring for the fifth irrigation event occurred on August 19 and 26, 2008, and results from this monitoring event will indicate if the exceedances in this report are persistent.

c. All of the exceedances in this report have been addressed in Management Plans or previous Communication Reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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Krista Callinan  
 Environmental Specialist  
 Michael L. Johnson LLC  
 1490 Drew Ave, Suite 175  
 Davis, CA 95618  
 Tel: 530-756-5200  
 Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during normal monitoring (NM) for the fourth irrigation sampling event on July 22, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Chlorpyrifos	Dimethoate
			0.015 µg/L	1.0 µg/L
Dry Creek @ Wellsford Rd	NM	7/22/08	0.03	
Silva Drain @ Meadow Dr	NM	7/22/08	0.43	
Silva Drain @ Meadow Dr - FD	NM	7/22/08	0.41	
Highline Canal @ Hwy 99	NM	7/22/08	0.021	
Westport Drain @ Vivian Rd	NM	7/22/08	0.016*	
Livingston Drain @ Robin Ave	NM	7/22/08	0.025	
Prairie Flower Drain @ Crows Landing Rd	NM	7/22/08		2.7

FD – Field duplicate sample

\*Between the laboratory minimum detection limit and reporting limit and therefore is an estimated value.

**Sent: Monday, September 15, 2008 at 9:38 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Toxicity Exceedance Report - Irrigation5 RS 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation5\_RS\_table\_091508.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-

up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On August 26, 2008, resampling was conducted in the ESJWQC region for the fifth irrigation season sampling event. Toxicity results were received from the laboratory today, September 15, 2008. Toxicity to *Selenastrum capricornutum* was detected in samples collected during this event. See attached Table 1 for details on this exceedance.

b.) This sampling event was conducted as follow-up to toxicity detected in previous samples, therefore additional follow-up sampling will not be conducted. Sampling will occur again at these sites for the sixth irrigation season event on September 23 and 30, 2008.

c.) The exceedances provided in this report have been or will be addressed in a management plan or previously scheduled communication report and therefore follow-up reporting is not required.

Mike Johnson

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Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Water sample toxicity detected in resamples collected during the fifth irrigation sampling event for ESJWQC receiving waters on August 26, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)
Hatch Drain @ Tuolumne Rd	RS	8/26/08	Irrigation	64

RS = Resample

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**Sent: Tuesday, September 16, 2008 at 1:18 PM**

**From:** K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**To:** Dania Huggins <[dhuggins@waterboards.ca.gov](mailto:dhuggins@waterboards.ca.gov)>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <[mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)>

**Subject:** Pesticide Exceedance Report - Irrigation4B 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation4B\_table\_091608.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On July 29, 2008 normal monitoring and upstream management plan monitoring were conducted in the ESJWQC region for the fourth irrigation season sampling event. Data for the normal monitoring samples were received from the laboratory on September 15, 2008. Exceedances of chlorpyrifos were detected during this monitoring event. See attached Table 1 for details on these exceedances.

b. Follow-up sampling for these pesticide exceedances will not be conducted. Monitoring for the fifth irrigation event occurred on August 19 and 26, 2008, and results from this monitoring event will indicate if the exceedances in this report are persistent.

c. The chlorpyrifos exceedance detected at the South Slough @ Quinley Rd sample site was detected for the first time and as a result a Communication Report will be submitted for this exceedance by November 20, 2008. The remainder of the exceedances in this report have been addressed in Management Plans or previous Communication Reports.

Mike Johnson

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Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during normal monitoring (NM) for the fourth irrigation sampling event on July 29, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Chlorpyrifos
			0.015 µg/L
South Slough @ Quinley Rd	NM	7/29/08	0.029
Miles Creek @ Reilly Rd	NM	7/29/08	0.021
Miles Creek @ Reilly Rd – FD	NM	7/29/08	0.017*

FD – Field duplicate sample

\*Between the laboratory minimum detection limit and reporting limit and therefore is an estimated value.

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**Sent: Wednesday, September 24, 2008 at 10:39 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Metals, E. coli, Physical Parameters and Nutrients Exceedance Report - Irrigation5 2008

**Attachments:** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation5\_092408\_final.xls

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On August 19 and 26, 2008 regular monitoring and management plan monitoring were conducted in the ESJWQC region for the fifth 2008 irrigation monitoring event. Water was collected for the analysis of physical parameters, nutrients, metals and bacteria. Final data for these samples were received from the laboratory on September 22, 2008. Exceedances of receiving water

limitations for *E. coli*, physical parameters, nutrients and metals were detected. The sites and exceedances are provided in an excel spreadsheet attached to this email. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Results from the sixth irrigation season event, occurring this month, should indicate where water quality exceedances included in this report are persistent.

c.) An exceedance of lead was detected at the Silva Drain @ Meadow Dr sampling site for the first time. As a result, a Communication Report will be submitted for this exceedance by December 2, 2008. All other exceedances in this report have been or will be addressed in Management Plans or previously scheduled Communication Reports and do not require follow-up reporting.

Mike Johnson

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Krista Callinan  
Environmental Specialist  
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**Table 1.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation5\_092408\_final.xls

Site Name	Station Code	Sample Date	Monitoring Type	E. Coli (235 MPN/100)	Color (15 color units)	TDS (450 mg/L)	Arsenic (10 ug/L)	Copper (1,300 ug/L or based on hardness)	Lead (15 ug/L or based on hardness)	Nitrate as N (10 mg/L)
Bear Creek @ Kibby Rd	535XBCAKR	26/Aug/2008	NM		30			7.1 (2.4)		
Black Rascal Creek @ Yosemite Rd	535BRCAZR	26/Aug/2008	NM		85					
Cottonwood Creek @ Rd 20	545XCCART	26/Aug/2008	NM	390	28			4.4 (3.7)		
Deadman Creek @ Gurr Rd	535XDCAGR	26/Aug/2008	NM	330	65					
Deadman Creek @ Hwy 59	535DMCAHF	26/Aug/2008	NM		46		11			
Dry Creek @ Rd 18	545XDCARE	26/Aug/2008	NM		25			5.1 (1.3)	0.36 (0.17)	
Dry Creek @ Rd 18 FD	545XDCARE-FD	26/Aug/2008	NM		25			4.8 (1.5)	0.3 (0.21)	
Dry Creek @ Wellsford Rd	535XDCAWR	19/Aug/2008	NM	580	64					
Duck Slough @ Gurr Rd	535XDSAGR	26/Aug/2008	NM		70					
Duck Slough @ Hwy 99	535XDSAHN	26/Aug/2008	NM		70				0.72 (0.69)	
Hatch Drain @ Tuolumne Rd	535XHDATA	19/Aug/2008	NM	1400	50	900	17			15
Highline Canal @ Lombardy Ave	535XHICALR	19/Aug/2008	NM						0.27 (0.26)	
Highline Canal @ Lombardy Ave FD	535XHICALR-FD	19/Aug/2008	NM		17			3.3 (1.9)		

Site Name	Station Code	Sample Date	Monitoring Type	E. Coli (235 MPN/100)	Color (15 color units)	TDS (450 mg/L)	Arsenic (10 ug/L)	Copper (1,300 ug/L or based on hardness)	Lead (15 ug/L or based on hardness)	Nitrate as N (10 mg/L)
Hilmar Drain @ Central Ave	535XHDACA	19/Aug/2008	NM		35	1000				
Livingston Drain @ Robin Ave	535XLDARA	19/Aug/2008	NM		17					
Merced River @ Santa Fe	535XMRSFD	19/Aug/2008	NM		22					
Miles Creek @ Reilly Rd	535XMCARR	26/Aug/2008	NM		150			7.5 (6.7)	2 (1.95)	
Prairie Flower Drain @ Crows Landing Rd	535XPFDCCL	19/Aug/2008	NM	440	56	610				13
Silva Drain @ Meadow Dr	535XSDAMD	19/Aug/2008	NM	1400	160			20 (6.9)	<b>3 (2.02)</b>	
Westport Drain @ Vivian Rd	535XWDAVR	19/Aug/2008	NM	290	20	760				25
Prairie Flower Drain @ Morgan Rd	535XPDFMR	19/Aug/2008	MPM							20
Dry Creek @ Rd 22	545XDCAART	26/Aug/2008	MPM					6.5 (1.5)		
Duck Slough @ Whealan Rd	545XDSAWH	26/Aug/2008	MPM					3.4 (1.9)		

**bold** - first time exceedance

FD- field duplicated

NM- normal monitoring

MPM- management plan monitoring

**Sent: Wednesday, September 24, 2008 at 12:38 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation6 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigatio6\_table\_092408.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On September 24, 2008 normal monitoring and upstream management plan monitoring were conducted in the ESJWQC region for the sixth irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for electrical conductivity (EC), pH and dissolved oxygen (DO) were detected during this sampling event. See attached Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH detected at the Livingston Drain site is not uncommon and may be due to natural conditions of the water body, among other possible sources. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). All exceedances in this report are being addressed in Management Plans or have been discussed in previous Communication Reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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**Table 1.** Field parameter water quality trigger limit exceedances experienced during normal monitoring (NM), upstream management plan monitoring (MPM) and resampling (RS) for the fifth ESJWQC irrigation sampling event on August 26, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	EC (µS/cm)	Dissolved Oxygen (mg/L)
Livingston Drain @ Robin Ave	NM	9/23/08	9.02		
Prairie Flower Drain @ Morgan Rd	MPM	9/23/08		2675	3.30
Prairie Flower Drain @ Crows Landing Rd	NM	9/23/08		2525	
Westport Drain @ Vivian Rd	NM	9/23/08		1097	
Hilmar Drain @ Central Ave	NM	9/23/08		943	
Hatch Drain @ Tuolumne Rd	NM	9/23/08		1295	1.69
Silva Drain @ Meadow Dr	NM	9/23/08			6.19

**Sent: Friday, September 26, 2008 at 12:48 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Sediment Toxicity Exceedance Report - Irrigation 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation\_sediment\_table\_092608.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a) On August 28, 2008 sampling was conducted in the ESJWQC region for the 2008 irrigation season sediment sampling event. Sediment toxicity data on these samples was received from the laboratory today, September 26, 2008. Significant toxicity to *Hyalella azteca* was found in samples collected from fifteen sites. See the attached Table 1 for details on these exceedances. The Coalition has not yet received the raw data for these tests.

b) Follow-up sampling for these exceedances will be conducted on Thursday, October 2, 2008. Field parameters will also be measured at sites that experienced exceedances in dissolved oxygen, electrical conductivity, or pH during the initial sediment sampling event. Results from the resampling will indicate whether sediment toxicity is persistent at any of these sites.

c) The Coalition will review Pesticide Use Reports for the site subwatersheds in which these exceedances were found. Pesticides with a high Koc (organic carbon partition coefficient) will be reviewed to determine if applications occurred in the relevant site subwatersheds during months prior to the sediment sampling. Chemicals with a high Koc bind to organic material and sediment and thus have a higher probability of causing sediment toxicity. Sediment toxicity occurred for the first time at Duck Slough @ Hwy 99, Bear Creek @ Kibby Rd, Black Rascal Creek @ Yosemite Rd, Deadman Creek @ Hwy 59 and Westport Drain @ Vivian Rd. As a result, a Communication Report will be submitted for these exceedances by December 4, 2008.

Mike Johnson

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**Table 1.** ESJWQC sediment toxicity exceedances from the 2008 irrigation sediment sampling event that occurred on August 28, 2008. Samples that experienced significant reduction are shown as mean percentage survival relative to the control of *Hyalella azteca*. Sediment toxicity exceedances experienced for the first time at a site are bolded.

Site Name	Sample Date	Sample Type	<i>Hyalella azteca</i>
			mean % survival relative to control
Miles Creek @ Reilly Rd	8/28/2008	NM	93
Miles Creek @ Reilly Rd - FD	8/28/2008	NM	90
Duck Slough @ Hwy 99	8/28/2008	NM	<b>84</b>
Bear Creek @ Kibby Rd	8/28/2008	NM	<b>90</b>
Black Rascal Creek @ Yosemite Rd	8/28/2008	NM	<b>62</b>
Dry Creek @ Rd 18	8/28/2008	NM	88
Duck Slough @ Gurr Rd	8/28/2008	NM	62
Deadman Creek @ Hwy 59	8/28/2008	NM	<b>89</b>
Dry Creek @ Wellsford Rd	8/28/2008	NM	71
Hatch Drain @ Tuolumne Rd	8/28/2008	NM	0
Silva Drain @ Meadow Dr	8/28/2008	NM	82
Prairie Flower Drain @ Crows Landing Rd	8/28/2008	NM	87
Hilmar Drain @ Central Ave	8/28/2008	NM	0
Highline Canal @ Hwy 99	8/28/2008	NM	91
Westport Drain @ Vivian Rd	8/28/2008	NM	<b>91</b>
Highline Canal @ Lombardy Ave	8/28/2008	NM	60

FD – field duplicate

**Sent: Wednesday, October 1, 2008 at 2:44 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Toxicity Exceedance Report - Irrigation6A 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation6A\_table\_100108.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

- a.) On September 23, 2008, normal monitoring and management plan monitoring were conducted in the ESJWQC region for the sixth irrigation season sampling event. Toxicity results were received from the laboratory on September 29, 2008. Toxicity to *Selenastrum capricornutum* occurred in samples collected from one site during this event. See attached Table 1 for details on this exceedance.
- b.) Follow-up sampling was conducted on September 30, 2008. The results from the resampling event will indicate whether the toxicity is persistent at the site.
- c.) The toxicity exceedance included in this report has been addressed in Management Plans or previous Communication Reports. As a result, follow-up reporting is not required for this exceedance.

Mike Johnson

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**Table 1.** Water toxicity in samples collected for normal monitoring (NM) during the sixth irrigation season monitoring event for ESJWQC receiving waters on September 23, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)
Hilmar Drain @ Central Ave	NM	9/23/08	Irrigation	73
Hilmar Drain @ Central Ave FD	NM	9/23/08	Irrigation	83

FD – Field duplicate sample

**Sent: Wednesday, October 1, 2008 at 3:13 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation6 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation6\_table\_100108.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a) On September 30, 2008 normal monitoring, upstream management plan monitoring and resampling were conducted in the ESJWQC region for the sixth irrigation season sampling event. Ambient water samples were collected for water toxicity and chemistry analyses. During the sampling field parameters were measured. Exceedances of the receiving water quality trigger limits (WQTL) for electrical conductivity (EC), pH and dissolved oxygen (DO) were detected during this sampling event. See attached

Table 1 for details on these exceedances. Raw data for the field exceedances are available upon request as scanned field sheets.

b) Immediate follow-up sampling will not be conducted. If any of the sites listed above experience toxicity in the samples collected during this event and require re-sampling, field parameters will then be measured again at those sites.

c) Measures of EC are consistently high at some sites in the ESJWQC Coalition region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. DO exceedances are common in the Coalition region due to low flow as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). All exceedances in this report are being addressed in Management Plans or have been discussed in previous Communication Reports. As a result, a Communication Report will not be submitted for these exceedances.

Mike Johnson

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**Table 1.** Field parameter water quality trigger limit exceedances experienced during normal monitoring (NM), upstream management plan monitoring (MPM) and resampling (RS) for the sixth ESJWQC irrigation sampling event on September 30, 2008.

Sample Site	Sample Type	Sample Date	pH (pH units)	EC (µS/cm)	Dissolved Oxygen (mg/L)
Dry Creek @ Rd 22	MPM	9/30/08			3.97
Duck Slough @ Hwy 59	MPM	9/30/08			3.33
Black Rascal Creek @ Yosemite Rd	NM	9/30/08	5.02		
Deadman Creek @ Gurr Rd	NM	9/30/08			5.46
Deadman Creek @ Hwy 59	NM	9/30/08			4.45
Miles Creek @ Reilly Rd	NM	9/30/08			6.34
Hilmar Drain @ Central Ave	RS	9/30/08		733	

**Sent: Thursday, October 2, 2008 at 2:54 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Pesticide Exceedance Report - Irrigation5 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation5\_table\_100208.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On August 19 and 26, 2008 normal monitoring and upstream management plan monitoring were conducted in the ESJWQC region for the fifth irrigation season sampling event. Data were received from the laboratory on September 30 and October 1, 2008. Exceedances of chlorpyrifos, DDE, DDT, malathion and methyl parathion were detected during this event. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for these pesticide exceedances will not be conducted. Monitoring for the sixth irrigation event occurred on September 23 and 30, 2008, and results from this monitoring event will indicate if the exceedances in this report are persistent.

c. First time exceedances occurred at Highline Canal @ Lombardy Rd (DDE, DDT, malathion, methyl parathion), Hilmar Drain @ Central Ave (DDE) and Prairie Flower Drain @ Crows Landing Rd (malathion). A Communication Report will be submitted for these exceedances by December 10, 2008. All other exceedances in this report have occurred prior to this event and are dealt with in Management Plans or previous Communication Reports.

Mike Johnson

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**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during normal monitoring (NM) and Management Plan Monitoring (MPM) for the fifth irrigation sampling event on August 19 and 26, 2008. The water quality trigger limit is listed below the constituent header. First time exceedances are bolded.

Site Name	Sample Type	Sample Date	Chlorpyrifos	DDE	DDT	Malathion	Methyl parathion
			0.015 µg/L	0.00059 µg/L	0.00059 µg/L	0 µg/L	0 µg/L
Dry Creek @ Waterford Rd	MPM	8/19/08	0.023				
Highline Canal @ Lombardy Rd	NM	8/19/08	0.031	<b>0.0089J</b>	<b>0.018</b>	<b>0.14</b>	<b>0.18</b>
Hilmar Drain @ Central Ave	NM	8/19/08		<b>0.0056J</b>			
Miles Creek @ Reilly Rd	NM	8/26/08	0.042				
Prairie Flower Drain @ Crows Landing Rd	NM	8/19/08	0.024			<b>0.012</b>	
Silva Drain @ Meadow Dr	NM	8/19/08	0.023				

J – between the laboratory minimum detection limit and the reporting limit; therefore considered an estimated value.

**Sent: Friday, October 3, 2008 at 1:14 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Exceedance Report - Irrigation Sediment RS 2008

**Attachments:** ESJWQC\_08\_ER\_field\_irrigation\_sediment\_RS\_table\_100308.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On October 2, 2008 sediment resampling was conducted in the ESJWQC region at sites that experienced toxicity in the original samples collected on August 28, 2008 for the irrigation season monitoring event. During the sampling field parameters were measured. Exceedances of receiving water limitations for field parameters were experienced in dissolved oxygen (DO), electrical conductivity (EC) and pH. See attached Table 1 for details. If you wish to see the raw data for these exceedances, the field sheets can be provided as scanned pdfs upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Field parameters will be measured again at Coalition monitoring sites for the first Fall season event on October 21, 2008.

c.) DO exceedances are common in the Coalition region due to low flow, high water temperatures, as well as possible high levels of biological oxygen demand in the test drains (though this may not be the case for all samples). Sites sampled in previous events have also experienced frequent DO exceedances. Elevated levels of electrical conductivity are well documented in the Coalition region and have been consistently detected at some of the sampling sites. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water, or drain water from irrigated agriculture. Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. Elevated pH in a water body may be due to a particular input or natural conditions of the water body itself, among other possible sources. The exceedance of pH detected at Silva Drain @ Meadow Dr occurred for the first time during this sampling event. As a result a Communication Report will be submitted for this exceedance by December 11, 2008. All other exceedances listed in the attached table have been addressed in previous Communication Reports or Management Plans and therefore do not require follow-up reporting.

Mike Johnson

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**Table 1.** Field parameter water quality trigger exceedances experienced during irrigation season sediment resampling conducted on October 2, 2008. The exceedance that occurred for the first time during this sampling event is shown in bold.

Site Name	Sample Date	Sample Type	pH	Electrical Conductivity	Dissolved Oxygen
Black Rascal Creek @ Yosemite Rd	10/2/2008	RS			5.05
Deadman Creek @ Hwy 59	10/2/2008	RS			4.22
Dry Creek @ Wellsford Rd	10/2/2008	RS			5.83
Hatch Drain @ Tuolumne Rd	10/2/2008	RS		1455	2.14
Hilmar Drain @ Central Ave	10/2/2008	RS		1241	
Prairie Flower Drain @ Crows Landing Rd	10/2/2008	RS		2449	
Silva Drain @ Meadow Dr	10/2/2008	RS	<b>8.51</b>		6.11
Westport Drain @ Vivian Rd	10/2/2008	RS		1093	

**Sent: Monday, October 6, 2008 at 1:46 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mtturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Toxicity Exceedance Report - Irrigation6 RS 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation6\_RS\_table\_100608.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On September 30, 2008, normal monitoring and toxicity resampling were conducted in the ESJWQC region for the sixth irrigation season sampling event. Toxicity results were received from the laboratory today, October 6, 2008. Toxicity to *Selenastrum capricornutum* was detected in the resample from Hilmar Drain @ Central Ave. Toxicity did not occur in any of the samples collected for normal monitoring during this event. See attached Table 1 for details on this exceedance.

b.) This sampling event was conducted as follow-up to toxicity experienced in previous samples, therefore additional follow-up sampling will not be conducted.

c.) The toxicity exceedance included in this report has been addressed in Management Plans or previous Communication Reports. As a result, follow-up reporting is not required for this exceedance.

Mike Johnson

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**Table 1.** Water toxicity in samples collected for resampling (RS) during the sixth irrigation season monitoring event for ESJWQC receiving waters on September 30, 2008.

Sample Site	Sample Type	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth relative to control)
Hilmar Drain @ Central Ave	RS	9/30/2008	Irrigation	75

**Sent: Wednesday, October 8, 2008 at 11:24 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Pesticide Exceedance Report - Irrigation6 MPM 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation6\_MPM\_table\_100808.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On September 9, 2008 Management Plan Monitoring was conducted in the ESJWQC region for the sixth irrigation season sampling event. Samples were collected for the analysis of chemistry and toxicity. Two sites were sampled for the analysis of chlorpyrifos and pesticide data were received from the laboratory today, October 8, 2008. One exceedance of chlorpyrifos was detected in samples collected during this event. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for this pesticide exceedance will not be conducted. Management Plan Monitoring for chlorpyrifos may occur again at this site during the 2009 irrigation season to determine if management practices have been effective in eliminating the exceedance.

c. The exceedance of chlorpyrifos at the Deadman Creek site is a result of follow-up monitoring for the purpose of Management Plans. This exceedance will further be addressed in the updated Coalition Management Plan and therefore a Communication Report will not be submitted for this exceedance.

Mike Johnson

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Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Pesticide exceedance from the ESJWQC region in samples collected for Management Plan Monitoring (MPM) on September 9, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Chlorpyrifos
			0.015 µg/L
Deadman Creek along Hoffman Ln	MPM	9/9/2008	0.069

**Sent: Wednesday, October 15, 2008 at 2:04 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Re: Pesticide Exceedance Report - Irrigation6 MPM 2008

**Attachments:** none

Dear Dania,

The table that I sent on October 8, 2008 with the ESJWQC Exceedance Report for pesticides (sample date 9/9/08) contained an incorrect site name (Deadman Creek along Hoffman Ln). Attached is an amended table with the correct site name, Deadman Creek @ Hwy 59. I am sorry for this typo.

Sincerely,

Krista

**Sent: Wednesday, October 15, 2008 at 2:05 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Re: Pesticide Exceedance Report - Irrigation6 MPM 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation6\_MPM\_table\_100808\_amended.doc

Here it is attached.

**Table 1.** Pesticide exceedance from the ESJWQC region in samples collected for Management Plan Monitoring (MPM) on September 9, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Chlorpyrifos
			0.015 µg/L
Deadman Creek @ Hwy 59	MPM	9/9/2008	0.069

**Sent: Tuesday, October 28, 2008 at 2:33 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mtturner@mlj-llc.com](mailto:mtturner@mlj-llc.com)

**Subject:** Sediment Toxicity Exceedance Report - Irrigation RS 2008

**Attachments:** ESJWQC\_08\_ER\_toxicity\_irrigation\_sediment\_RS\_table\_102808.doc

Dear Dania

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a) On October 2, 2008 resampling was conducted in the ESJWQC region for the 2008 irrigation sediment sampling event. Toxicity analysis data was received from the laboratory today, October 28, 2008. Sediment toxicity to *Hyalella azteca* was retested at 15 sites. Of the 15 sites, 10 tested toxic to *Hyalella* again. See Table 1 for details on the exceedances. The Coalition has not yet received the raw data for these tests.

b) This sampling event was conducted as follow-up to sediment toxicity experienced in previous samples, therefore additional follow-up sampling will not be conducted. Coalition sediment sampling will occur again during the storm season event of 2009.

c) The Coalition will review Pesticide Use Reports for the site subwatersheds in which these exceedances were found. Pesticides with a high  $K_{oc}$  (organic carbon partition coefficient) will be reviewed to determine if applications occurred in the relevant site subwatersheds during months prior to the sediment sampling. Chemicals with a high  $K_{oc}$  bind to organic material and sediment and thus have a higher probability of causing sediment toxicity. Sediment toxicity occurred for the first time at Duck Slough @ Hwy 99 and Bear Creek @ Kibby Rd. As a result, a Communication Report will be submitted for these exceedances by December 4, 2008.

Mike Johnson

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Krista Callinan  
Environmental Specialist  
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Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** ESJWQC sediment toxicity exceedances from resamples collected on October 2, 2008 as follow up to sediment sampling on August 28, 2008.

Site Name	Sample Date	Sample Type	<i>Hyalella azteca</i>
			mean % survival relative to control
Bear Creek @ Kibby Rd	10/2/2008	RS	88
Duck Slough @ Gurr Rd	10/2/2008	RS	90
Duck Slough @ Hwy 99	10/2/2008	RS	87
Hatch Drain @ Tuolumne Rd	10/2/2008	RS	5
Highline Canal @ Hwy 99	10/2/2008	RS	89
Highline Canal @ Lombardy Ave	10/2/2008	RS	80
Hilmar Drain @ Central Ave	10/2/2008	RS	0
Miles Creek @ Reilly Rd	10/2/2008	RS	78
Prairie Flower Drain @ Crows Landing Rd	10/2/2008	RS	83

Site Name	Sample Date	Sample Type	<i>Hyalella azteca</i>
			mean % survival relative to control
Silva Drain @ Meadow Dr	10/2/2008	RS	88

RS – Resample

**Sent: Wednesday, October 29, 2008 at 1:40 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)

**Subject:** Metals, Nutrients, E. coli and Physical Parameters Exceedance Report - Irrigation6 2008

**Attachments:** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation6\_102908\_final.xls

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an Exceedance Report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedance.

a.) On September 23 and 30, 2008 regular monitoring and management plan monitoring were conducted in the ESJWQC region for the sixth 2008 irrigation monitoring event. Water was collected for the analysis of physical parameters, nutrients, metals and bacteria. Final data for this event were received from the laboratory on October 23 and 27, 2008. Exceedances of receiving water limitations for *E. coli*, total dissolved solids (TDS), ammonia, nitrate and metals were detected. The sites and exceedances are provided in an excel spreadsheet attached to this email. Raw data are available upon request.

b.) Follow-up sampling will not be conducted for these exceedances. Monitoring occurred again at some of these sites for the first Fall monitoring event on October 21, 2008.

c.) All exceedances in this report have been or will be addressed in Management Plans or previously scheduled Communication Reports and do not require follow-up reporting. As a result, a Communication Report will not be submitted for these exceedances. An ESJWQC Management Plan Update will be submitted by April 1, 2009 and will further address the exceedances in this report.

Mike Johnson

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Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** ESJWQC\_08\_ER\_Ecoli\_Metals\_Nut\_Tbl\_Irrigation6\_102908\_final.xls

Site Name	Station Code	Sample Date	Monitoring Type	E. Coli (235 MPN/100)	TDS (450 mg/L)	Ammonia (1.5 mg/L or variable based on pH and temperature)	Arsenic (10 ug/L)	Copper (1,300 ug/L or based on hardness)	Lead (15 ug/L or based on hardness)	Nitrate as N (10 mg/L)
Dry Creek @ Wellsford Rd	535XDCAWR	23/Sep/2008	NM	290						
Hatch Drain @ Tuolumne Rd	535XHDATA	23/Sep/2008	NM		920		15			17
Hilmar Drain @ Central Ave	535XHDACA	23/Sep/2008	NM		640					26
Hilmar Drain @ Central Ave - FD	535XHDACA-FD	23/Sep/2008	NM		640					26
Prairie Flower Drain @ Crows Landing Rd	535XPFDCL	23/Sep/2008	NM		1800					33
Silva Drain @ Meadow Dr	535XSDAMD	23/Sep/2008	NM	310		3		15 (4.4)		
Westport Drain @ Vivian Rd	535XWDAVR	23/Sep/2008	NM		750					27
Prairie Flower Drain @ Morgan Rd	535XPFDMR	23/Sep/2008	MPM							29
Black Rascal Creek @ Yosemite Rd	535BRCAZR	30/Sep/2008	NM						1.3 (0.75)	
Deadman Creek @ Gurr Rd FD	535XDCAGR-FD	30/Sep/2008	NM	330						
Deadman Creek @ Hwy 59	535DMCAHF	30/Sep/2008	NM				13			
Dry Creek @ Rd 22	545XDCART	30/Sep/2008	MPM					36 (8.2)		
Duck Slough @ Whealan Rd	535XDSAWH	30/Sep/2008	MPM					3.7 (1.3)		

FD- field duplicate

NM- normal monitoring

MPM- management plan monitoring

**Sent: Wednesday, November 5, 2008 at 3:08 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan [kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com), Melissa Turner [mturner@mlj-llc.com](mailto:mturner@mlj-llc.com)

**Subject:** Pesticide Exceedance Report - Irrigation6 2008

**Attachments:** ESJWQC\_08\_ER\_Pesticide\_Irrigation6\_table\_110508.doc

Dear Dania,

As required in the Monitoring and Reporting Program (Order No. R5-2005-0833) for Coalition Groups, an exceedance report is being submitted to address the following issues a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a. On September 23 and 30, 2008 normal monitoring and upstream Management Plan monitoring were conducted in the ESJWQC region for the sixth irrigation season sampling event. Samples were collected for the analysis of chemistry and toxicity, and pesticide data were received from the laboratory on November 4, 2008. One exceedance of chlorpyrifos was detected in samples collected during this event. See attached Table 1 for details on this exceedance.

b. Follow-up sampling for this pesticide exceedance will not be conducted. Samples will be collected again for the analysis of pesticides at sites in the ESJWQC on November 11, 2008.

c. The exceedance of chlorpyrifos at the Duck Slough site has occurred prior to this event and therefore a Communication Report is not required for this exceedance. Follow-up actions to address this exceedance will be included in the Coalition Management Plan. A Management Plan update will be submitted on April 1, 2009.

Mike Johnson

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Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
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Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Table 1.** Pesticide exceedance from the ESJWQC region in samples collected for normal monitoring (NM) on September 30, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Chlorpyrifos
			0.015 µg/L
Duck Slough @ Hwy 99	NM	9/30/2008	0.034

## ***ESJWQC Communication Reports 2008***

**Sent:** Wednesday, July 2, 2008 at 4:25 PM

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Susan Fregien <sfregien@waterboards.ca.gov>

**Cc:** Dania Huggins <dhuggins@waterboards.ca.gov>, Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com),  
Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca  
Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan  
<kcallinan@mlj-llc.com>

**Subject:** Field Communication Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_CR\_Field\_Irrigation1\_070308\_final.doc

Dear Susan,

Attached is a Communication Report for the first-time field exceedance detected during the first irrigation monitoring event on April 29, 2008. Field sheets relevant to this exceedance have been posted on the MLJ-LLC sharpoint. (<http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx>, username: ftpuser, password: Aqua2007!).

Let us know if you have any questions on this report.

Krista

--

Krista Callinan  
Environmental Specialist  
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## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354

[www.esjcoalition.org](http://www.esjcoalition.org)

July 3, 2008

Dania Huggins  
Irrigated Lands Conditional Waiver Program  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for field parameter exceedances that occurred during the first 2008 irrigation season sampling event reported on April 30, 2008 (see Table 1 below). Only exceedances that were experienced for the first time at a sample site are included in this report.

**Table 1.** Field exceedance detected in receiving waters on April 29, 2008 during the first irrigation season monitoring event.

Sample Site	Sample Date	Season	pH (pH units)
Black Rascal Creek @ Yosemite Rd	4/29/08	Irrigation	8.75

### 1. Follow-up monitoring and analyses conducted.

Follow-up sampling for field parameter exceedances did not occur at this site. However, field parameters were measured again during the second and third irrigation monitoring events and there were no field exceedances detected at this site. The lack of persistence of the exceedance at Black Rascal Creek indicates that the basic pH detected was due to temporary conditions in the water body. If this exceedance is experienced a second time, it will then be addressed in the management plan for that site.

### 2. Actions taken to identify the source of the exceedance.

#### pH

pH dynamics in surface waters are not well understood and can vary diurnally with photosynthetic rates and changes in the concentration of CO<sub>2</sub> and O<sub>2</sub> in the water. Control of pH in surface waters is a function of the balance between the buffering capacity of the water, inputs of organic acids from soil leaching, and the relative amount

of photosynthesis. In an attempt to understand the underlying mechanism behind the pH in Coalition surface waters, a preliminary analysis was undertaken to determine the statistical relationship between pH and dissolved oxygen (DO), hardness, temperature and specific conductance (EC). Multiple regression analyses were performed using pH as the response variable and DO, hardness, temperature, and EC as the predictor variables. Neither hardness nor EC were statistically significant predictors of pH. DO and temperature were significant predictors of pH.

**Table 2.** Analysis of Variance Detail Section

Model Term	DF	R2	Sum of Squares	Mean Square	F-Ratio	Probability Level
Intercept	1		18070.37	18070.37		
Model	2	0.2316	20.01485	10.00743	47.168	0.0000
DO	1	0.2124	18.35932	18.35932	86.532	0.0000
Temperature	1	0.0683	5.901083	5.901083	27.813	0.0000
Error	313	0.7684	66.40851	0.2121678		
Total(Adjusted)	315	1.0000	86.42336	0.2743599		

However, the adjusted coefficient of determination was only 0.23 indicating that 23% of the variation in pH was accounted for by the variation in DO or temperature. The estimated model is:

$$\text{pH} = 6.3395 + .0899 * \text{DO} + 2.4807\text{E-}02 * \text{Temp}$$

The equation indicates that raising temperature or the concentration of dissolved oxygen raises pH. This result, coupled with the lack of significance of hardness, suggests that pH dynamics in surface waters in the Coalition region are controlled by photosynthetic rate and the production of dissolved oxygen rather than the buffering capacity of the water. Interestingly, EC was predictable from hardness indicating that the levels of EC in the surface waters in the Coalition region are primarily a function of CaCO<sub>3</sub>, which dissociates to Ca<sup>2+</sup> and CO<sub>3</sub><sup>2-</sup>. These analyses suggest that the primary cation in the surface waters is Ca which is from natural sources. Further analyses will be presented in the Management Plan.

**3. Complete analytical results**

Complete analytical results in the form of field sheets in pdf format are too large to send by email with this report, but can be provided upon request.

**4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

Because this exceedance was detected for the first time at this site and may be due to natural fluctuations in the creek, no follow-up actions will be taken to address this

exceedance at this time. If a second exceedance of pH is detected at the Black Rascal Creek sample site, then the exceedance will be addressed in a Management Plan for the site subwatershed.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style. To the right of the signature is a vertical red line.

Michael L. Johnson, Technical Program Manager

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**Sent: Wednesday, July 9, 2008 at 8:26 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Susan Fregien <sfregien@waterboards.ca.gov>

**Cc:** Dania Huggins <dhuggins@waterboards.ca.gov>, Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Toxicity Communication Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_CR\_Toxicity\_Irrigation1\_070908\_final.doc

Dear Susan,

Attached is a Communication Report for samples that tested toxic to *Selenastrum* sp. for the first time during the first irrigation season monitoring event on April 29, 2008 and reported on May 6 and 16, 2008. The final laboratory report relevant to these exceedances can be accessed on the MLJ-LLC Sharepoint.

<http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx> (username: ftpuser, password: Aqua2007!) Go to the "Regional Board Documents" folder and the lab report can be found in "Communication Report Files." The lab report is named "ESJ\_08\_Irr1\_Report" and will show today's date.

Let us know if you have any questions on this report.

Sincerely,

Krista

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Krista Callinan  
Environmental Specialist  
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Davis, CA 95618  
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**East San Joaquin Water Quality Coalition**  
 1201 L Street  
 Modesto, CA 95354  
**www.esjcoalition.org**

June 9, 2008

Susan Fregien  
 Irrigated Lands Conditional Waiver Program  
 Central Valley Regional Water Quality Control Board  
 11020 Sun Center Drive, #200  
 Rancho Cordova, CA 95670-6114

Dear Susan,

We are submitting the formal Communication Report for toxicity exceedances reported on May 6, 2008 that occurred in water samples collected from ESJWQC sample sites on April 29, 2008 (see Table 1 below). Only toxicity exceedances that occurred for the first time at sample site are included in this report.

**Table 1.** ESJWQC toxicity in normal monitoring (NM) samples collected during the first 2008 irrigation sampling event conducted on April 29, 2008. Only first time toxicity exceedances at a sample site are shown.

Sample Site	Sample Type	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth compared to control)
Bear Creek @ Kibby Rd	NM	4/29/08	Irrigation	4*
Cottonwood Creek @ Rd 20	NM	4/29/08	Irrigation	5*
South Slough @ Quinley Rd	NM	4/29/08	Irrigation	2*

\*Toxicity Identification Evaluation conducted.

**1. Follow-up monitoring and analyses conducted**

A Toxicity Identification Evaluation (TIE) was performed to further analyze the *Selenastrum* toxicities experienced in samples collected from Bear Creek @ Kibby Rd, Cottonwood Creek @ Rd 20 and South Slough @ Quinley Rd. Re-sampling for all toxicities occurred on May 7, 2008 and results indicate that the *Selenastrum* toxicity was persistent at the Bear Creek and Cottonwood Creek sites.

**Table 2.** ESJWQC toxicity in re-samples (RS) collected on May 7, 2007 as follow-up to toxicity during the first 2008 irrigation sampling event.

Sample Site	Sample Type	Sample Date	Season	<i>Selenastrum capricornutum</i> (% growth compared to control)
Bear Creek @ Kibby Rd	RS	5/7/08	Irrigation	21
Cottonwood Creek @ Rd 20	RS	5/7/08	Irrigation	4

**2. Actions taken to identify the source of the exceedances.**

The analysis of pesticides, metals and/or physical parameters exceedances that are associated with toxicity may help to determine the likely source(s) of toxicity at a sample site. In addition, for samples that undergo TIE testing and/or dilution series analysis, results from these tests can be evaluated along with chemistry data to identify the source(s) of toxicity with more certainty. These actions are described below.

**Bear Creek @ Kibby Rd**

Toxicity to *Selenastrum* occurred in samples collected from the Bear Creek @ Kibby Rd site. Follow-up sampling for toxicity occurred one week after the initial samples were collected and toxicity was persistent at this site. Sample toxicity did not persist through the TIE; therefore none of the treatments were able to provide useful information regarding the cause of toxicity. There were no exceedance-level detections of pesticides or metals relevant to the toxicity in these samples. It is possible that a constituent not tested by the Coalition is the cause of toxicity. Pesticide Use Reports (PURs) data from the period prior to the sampling event will be evaluated for all pesticides that are known to cause *Selenastrum* toxicity.

**Cottonwood Creek @ Rd 20**

Toxicity to *Selenastrum* occurred in samples collected from the Cottonwood Creek @ Rd 20 site. Follow-up re-sampling for toxicity occurred one week after the initial samples were collected and toxicity was persistent at this site. Results from the TIE indicated that the cause of toxicity was a non-polar organic and cationic metal constituent. An exceedance of copper was also detected at this site and may have been the cause (in part or in full) of toxicity in these samples. It is possible that constituent(s) not tested by the Coalition contributed to the toxicity. PUR data from the period prior to the sampling event will be evaluated for all pesticides that are known to cause *Selenastrum* toxicity.

**South Slough @ Quinley Rd**

Toxicity to *Selenastrum* occurred in samples collected from the Cottonwood Creek @ Rd 20 site. Follow-up re-sampling for toxicity occurred one week after the initial samples were collected and toxicity did not occur in the re-samples. Results from the TIE

indicated that the majority of toxicity was caused by cationic chemicals, while non-polar organics may have been responsible for a portion of the toxicity. There were no exceedance-level detections in pesticides or metals relevant to the toxicity in these samples. It is possible that a constituent not tested by the Coalition is the cause of toxicity. PUR data from the period prior to the sampling event will be evaluated for all pesticides that are known to cause *Selenastrum* toxicity.

**3. Complete analytical results**

A summary of the analytical results are provided electronically in pdf format along with this report.

**4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

**Table 3.** Time Schedule

Action	Anticipated Completion Date
Obtain PURs	July 30, 2008
Contact Growers in Watersheds	Variable
Perform Management Practices Survey	Complete (update to occur 12/31/08)
Outreach/BMP Education	Variable
Management Plan	Not yet scheduled

Justification for dates:

**Obtain PURs** – PURs for applications that occurred in the site subwatersheds in this report are not yet available for the months of April and May from the County Agricultural Commissioner’s Office. Data should be available to the Coalition within the next month and will be reviewed for applications relevant to these exceedances once they are received.

**Contact growers in the watersheds** – A proactive outreach strategy is being implemented by the Coalition, and current outreach is occurring based on exceedances from the 2007 irrigation season. Mailings were sent to Coalition members within the site subwatersheds where pesticide exceedances occurred during the previous season. In addition, outreach meetings have occurred on a site subwatershed basis where exceedances occurred during the previous year’s monitoring. These outreach activities are structured to remind growers just prior to the application period to use management practices this season that will help to reduce their discharge. Information on the 2008 irrigation season exceedances and management practices to address these exceedances will be provided to growers at the beginning of the 2009 irrigation season.

**Perform management practices survey** – BMP surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the December 31, 2007 SAMR. For growers that do not currently

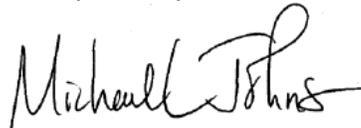
have a survey on record, a survey will be provided to them with the Coalition Semi-Annual Report by December 2008.

**Outreach/ BMP Education** – Current outreach activities are occurring to address exceedances detected during the 2007 irrigation season. Management practices that can be implemented to reduce the chance of discharge this season are discussed at grower meetings or provided in mailings. A grower meeting was held on June 18, 2008 with growers in Stanislaus County that are located in close proximity to waterways. A mailing was also sent out to growers located in site subwatersheds where detections of chlorpyrifos occurred during the 2007 irrigation season. The Coalition meeting to address the exceedances in this report is planned to occur in the late winter/early spring of 2009, just prior to the time when herbicides and metals would be applied for terrestrial and aquatic weed control.

**Management Plan** – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent. A time schedule for these Management Plans has not yet been determined.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a large, prominent "M" and "J".

Michael L. Johnson, Technical Program Manager

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**Sent: Tuesday, July 29, 2008 at 9:58 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Pesticide Communication Report - Irrigation1 2008

**Attachments:** MLJ\_55974\_(8081A)\_042208.pdf  
ESJWQC\_08\_CR\_Pesticide\_Irrigation1\_072908\_final.doc

Dear Dania,

Attached is a Communicaiton Report for one pesticide exceedance detected during the first irrigation season monitoring event on 4/22/08. Also attached is the final laboratory report that is relevant to this exceedance. Please let us know if you have any questions on this report.

Krista

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Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**East San Joaquin Water Quality Coalition**  
 1201 L Street  
 Modesto, CA 95354  
**www.esjcoalition.org**

July 29, 2008

Dania Huggins  
 Irrigated Lands Conditional Waiver Program  
 Central Valley Regional Water Quality Control Board  
 11020 Sun Center Drive, #200  
 Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting a formal Communication Report for the pesticide exceedances reported on May 23, 2008 that have not been addressed in a Management Plan or previous Communication Report (see Table 1 below). Sampling occurred at this site on April 22, 2008 during the first irrigation sampling event of 2008.

**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during the first irrigation sampling event on April 22, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Season	DDT
				0.00059 µg/L
Hatch Drain @ Tuolumne Rd	FD	4/22/08	Irrigation	0.023*

FD = Field Duplicate

\*Detection of DDT occurred only in the field duplicate sample and there was no detection of DDT in its complimentary grab sample (laboratory minimum detection limit for DDT is 0.007 µg/L).

**1. Follow-up monitoring and analyses conducted.**

No follow-up sampling was conducted as a result of the pesticide exceedance. The second irrigation season sampling event occurred on May 13, 2008 and results from that monitoring event indicated that the exceedance was not persistent at the site. Further discussion on the exceedance is provided below.

**2. Actions taken to identify the source of the exceedance.**

DDT was detected at exceedance levels for the first time at the Hatch Drain @ Tuolumne Rd sample site during this monitoring event. Laboratory analyses of water samples detected DDT in the field duplicate sample but not in the grab sample. DDT has an extremely high  $K_{oc}$  which indicates that it binds to sediments. It is possible that the

field duplicate could have been contaminated with sediment mobilized from the drain during collection of the grab sample. DDT is an organochlorine pesticide that was used abundantly in the past, but is not currently registered for agricultural use. Due to the long half-life, DDT and its breakdown products, DDD and DDE, are still found in Coalition water bodies. Current agricultural pesticide applications are not the source of these exceedances and PUR data will not be evaluated to follow-up on the detections in the Hatch Drain. If additional exceedances of DDT occur at this site, then the exceedances will be addressed through actions stated in the Hatch Drain subwatershed management plan.

### **3. Complete analytical results**

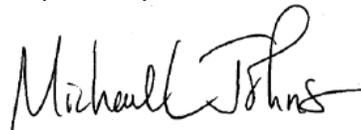
Analytical results for these exceedances are attached to the transmittal message. These results include all organochlorine data reports for this monitoring event provided to the Coalition by the analytical laboratory. QC and calibration data are included in the data reports.

### **4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

Because this exceedance was detected for the first time at this site and is not a result of current agricultural practices, no follow-up actions will be taken to address this exceedance at this time. If a second exceedance of DDT is detected in the Hatch Drain, then the exceedance will be addressed in a Management Plan for the site subwatershed.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a large, looped initial "M".

Michael L. Johnson, Technical Program Manager

**Sent: Thursday, July 31, 2008 at 2:51 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Communication Report - Irrigation2 2008

**Attachments:** ESJWQC\_08\_CR\_Field\_Irrigation2\_073108\_final.doc

Dear Dania,

Attached is a Communication Report for one field exceedance detected during irrigation season monitoring on May 27, 2008. The raw data for this exceedance can be found in the form of field sheets on the MLJ-LLC Sharepoint website at: <http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx> (username: ftpuser, password: Aqua2007!). Please let us know if you have any questions on this report.

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
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## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354

[www.esjcoalition.org](http://www.esjcoalition.org)

July 31, 2008

Dania Huggins  
Irrigated Lands Conditional Waiver Program  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for field parameter exceedances that occurred during the second 2008 irrigation season sampling event reported on May 28, 2008 (see Table 1 below). Only the exceedance that was experienced for the first time at a sample site is included in this report.

**Table 1.** Field exceedance detected in receiving waters on May 27, 2008 during the second irrigation season monitoring event.

Sample Site	Sample Date	Season	EC ( $\mu\text{S}/\text{cm}$ )
Deadman Creek @ Gurr Rd	5/27/08	Irrigation	801

### 1. Follow-up monitoring and analyses conducted.

Follow-up sampling for field parameter exceedances did not occur at this site. However, field parameters were measured again during the third and fourth irrigation monitoring events and there were no additional exceedances of conductivity (EC) detected at this site. The lack of persistence of the exceedance at Deadman Creek indicates that the EC detected was due to temporary conditions in the water body. If this exceedance is experienced a second time, it will then be addressed in the management plan for that site.

### 2. Actions taken to identify the source of the exceedance.

#### EC

Elevated conductivity may be due to anthropogenic factors, as well as natural soil geological conditions. Irrigation water can originate from surface storage facilities or ground water. Water entering the drains comes from seepage into the drains from

shallow ground water, direct discharge from surface irrigation return flows or rainfall events, and discharge from field drains. At this point it is uncertain what the source of EC is at the location sampled in Deadman Creek. Field measures at the Deadman Creek @ Hwy 59 sample site, located upstream of Deadman Creek @ Gurr Rd, also showed elevated levels of conductivity, but not beyond the exceedance trigger limit. If additional exceedances occur, EC will be addressed in the management plan for the site subwatershed.

### **3. Complete analytical results**

Complete analytical results in the form of field sheets in pdf format are too large to send by email with this report, but are available on the MLJ-LLC Sharepoint website.

### **4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

Because this exceedance was detected for the first time at this site and may be due to natural fluctuations in the creek, no follow-up actions will be taken to address this exceedance at this time. If a second exceedance of EC is detected at the Deadman Creek @ Gurr Rd sample site, then the exceedance will be addressed in a Management Plan for the site subwatershed.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style. To the right of the signature is a vertical green line.

Michael L. Johnson, Technical Program Manager

**Sent: Monday, August 4, 2008 at 4:09 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Ammonia and Metals Communication Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_CR\_Ecoli\_TDS\_metals\_Irrigation1\_080408\_final.doc

Dear Dania,

Attached is a Communication Report for ammonia and metals exceedances detected during the first irrigation season monitoring event on April 22 and 29, 2008. The final laboratory reports relevant to these exceedances can be found on the MLJ-LLC sharepoint website, under "Regional Board Documents" and "Communication Report Files". (<http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx>, username: ftpuser, password: Aqua2007!) Please let us know if you have any questions on this report.

Sincerely,

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354  
www.esjcoalition.org

August 4, 2008

Dania Huggins  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for the ammonia and metals exceedances reported on May 30 and June 12, 2008 (see Table 1). Only exceedances that occurred for the first time at a sample site are included in this report. Sampling occurred at these sites on April 22 and 29, 2008 for the first irrigation season monitoring event.

**Table 1.** Ammonia and metals exceedances detected for the first time at a sample site during the first irrigation monitoring event on April 22 and 29, 2008. Where water quality trigger limits for metals are calculated based on hardness, the limit is shown in parenthesis.

Site Name	Sample Date	Ammonia	Arsenic	Cadmium	Copper	Lead
		1.5 mg/L	10 µg/L	0.04 µg/L	(variable based on hardness)	2.5 (or variable based on hardness)
Hatch Drain @ Tuolumne Rd	4/22/08					3.9
Hatch Drain @ Tuolumne Rd (FD)	4/22/08					4.0
Silva Drain @ Meadow Dr	4/22/08	4.1				
Black Rascal Creek @ Yosemite Rd	4/29/08			0.08J	8 (7.7)	2.4 (2.39)
Deadman Creek @ Hwy 59	4/29/08		16			

### 1. Follow-up monitoring and analyses conducted.

No immediate follow-up sampling was performed. Results were not received from the laboratories until after the next event of sampling occurred. Samples were collected as part of normal monitoring for the analysis of metals and nutrients on May 20 and 27, and results from those samples were reported on July 5, 2008. Exceedance level detections of cadmium and lead were found to be persistent at the Black Rascal Creek

@ Yosemite Rd site, as well as arsenic at the Deadman Creek @ Hwy 59 site. Exceedances that occur more than once at a site will be addressed through a subwatershed Management Plan.

## **2. Actions taken to identify the source of the exceedance.**

### **Ammonia**

Ammonia can enter a water body through two sources, direct discharge from agricultural fertilizers or animal waste, or from discharges from waste water treatment plants. Ammonia in fertilizer is typically converted to nitrite and then nitrate in soils over a short period of time and discharge of fertilizer would have to be immediate to detect ammonia in the receiving water body. There are no waste water inputs to Silva Drain, however there are several dairies upstream of the sample site that may have contributed to this exceedance. If additional exceedances of ammonia are detected at this site, then further actions may be taken to source the exceedances through the Coalition Management Plan.

### **Arsenic**

Arsenic is found in sodium cacodylate which is applied by agriculture for broadleaf weed control and as a cotton defoliant. The registrations on many products with this active ingredient have been cancelled. However, there are four products currently registered for use on citrus, for weed control around ditches, for use on ornamental plants, for nonagricultural weed control, and for weed control around buildings, driveways, sidewalks, rights-of-way, and fencerows. Several products are available for use by homeowners and nonagricultural users (e.g. county road maintenance) ([http://www.pesticideinfo.org/List\\_Products.jsp?Rec\\_Id=PC34358&Chem\\_Name=Sodium%20cacodylate&PC\\_Code=012502](http://www.pesticideinfo.org/List_Products.jsp?Rec_Id=PC34358&Chem_Name=Sodium%20cacodylate&PC_Code=012502)) and the product may have been purchased for use by local homeowners for use on their property. California Department of Pesticide Regulation records indicate minimal use of sodium cacodylate across the Coalition region between 1996 and 2006, and in the Deadman Creek @ Hwy 59 site subwatershed, there is no record of any sodium cacodylate application.

### **Cadmium**

Elevated concentrations of cadmium in a water body may be a result of agricultural application of phosphate fertilizer, but also may arise from the erosion of soils and bedrock, atmospheric deposition, discharge from industrial operations or leakage from landfills and contaminated sites (e.g. disposal of NiCd batteries). Cadmium has high tendency to adsorb to sediments and persists indefinitely in the environment. The exceedance detected in the Black Rascal Creek @ Yosemite Rd sample site occurred for the first time during Coalition monitoring. The source of cadmium at this site is not certain. Cadmium is not likely to be related to agricultural discharges practices, however if additional exceedances are experienced, then those exceedances will be addressed in a Management Plan for the Black Rascal Creek site subwatershed.

## Copper

Copper is commonly applied throughout the Coalition region and is considered an organic herbicide, fungicide, and algaecide. Copper is known to contribute to the toxicity of *Selenastrum sp.* by acting as an herbicide and reducing growth of the algae. Copper Als include copper, copper hydroxide, copper sulfate and copper sulfate pentahydrate. Copper can also become available to water bodies through the weathering of rocks and soils that naturally contain metals. Since copper does not degrade, it is possible that applications can cause exceedances several months after application. PUR data will be provided in the next Annual Monitoring Report.

## Lead

Lead is a legacy of any of a number of potential sources including deposition from leaded gasoline, disposal of lead-containing products such as paints, electronic components, and batteries, and old applications of lead arsenate pesticides. Currently, there are no pesticides applied that contain lead, although lead arsenate was used in the past. Lead arsenate was used generally only until the 1960s and has been banned on all food crops since 1991. Currently, the most probable source is contaminated soils that originated from old pesticide applications, disposal of products containing lead, or the deposition of automobile exhaust along roadways. Contaminated soils may have caused contaminated sediment and that sediment may be moved into the water body during storm events. Lead is predominantly particulate bound and not bioavailable in that form. Major roads and highways within subwatersheds may contribute to the leaching of lead into the waterways. In addition, disposal of lead paint in the vicinity, burial of old buildings with lead paint, or leaching lead from lead arsenate deposition could all be contributors to lead detections. The source(s) of lead in the Hatch Drain and Black Rascal Creek are not certain, but are not likely a result of agricultural management practices.

### 3. Complete analytical results

Analytical results are appended electronically to the transmittal message. These results include all data reports provided to the Coalition by the analytical laboratory. QC data are included in the data reports.

### 4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.

**Table 3.** Time Schedule

Action	Anticipated Completion Date
Obtain PURs	August 30, 2008
Contact Growers in Watersheds	Variable
Perform Management Practices Survey	Complete (update to occur 12/31/08)
Outreach/BMP Education	Variable
Management Plan	Not yet scheduled

Justification for dates:

**Obtain PURs** – PURs for applications that occurred in the site subwatersheds in this report are not yet available for the months of April and May from the County Agricultural Commissioner’s Office. Data should be available to the Coalition within the next month and will be reviewed for applications relevant to these exceedances once they are received.

**Contact growers in the watersheds** – A proactive outreach strategy is being implemented by the Coalition, and current outreach is occurring based on exceedances from the 2007 irrigation season. Mailings were sent to Coalition members within the site subwatersheds where exceedances occurred during the previous season. In addition, outreach meetings have occurred on a site subwatershed basis where exceedances occurred during the previous year’s monitoring. These outreach activities are structured to remind growers just prior to the application period to use management practices to reduce their discharge. Information on the 2008 irrigation season exceedances and management practices to address these exceedances will be provided to growers at the beginning of the 2009 irrigation season.

**Perform management practices survey** – BMP surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the December 31, 2007 SAMR. For growers that do not currently have a survey on record, a survey was provided with the call for membership renewal in the spring of 2008, and if that is unsuccessful will be provided to them with the Coalition Semi-Annual Report by December 2008.

**Outreach/ BMP Education** – Current outreach activities are occurring to address exceedances detected during the 2007 irrigation season. Management practices that can be implemented to reduce the chance of discharge this season are discussed at grower meetings or provided in mailings. The Coalition meeting to address the exceedances in this report is planned to occur in the late winter/early spring of 2009, just prior to the time when any products with metals would be applied.

**Management Plan** – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent. A time schedule for these Management Plans has not yet been determined.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style and is positioned to the left of a vertical line that extends downwards from the top of the signature area.

Michael L. Johnson, Technical Program Manager

**Sent: Thursday, August 14, 2008 at 8:13 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Pesticide Communication Report - Irrigation1 2008

**Attachments:** ESJWQC\_08\_CR\_Pesticide\_Irrigation1B\_081808\_final.doc  
MLJ\_56026\_(8321)\_042908.pdf  
MLJ\_56026\_(8081\_OP)\_042908.pdf

Dear Dania,

Attached is a pesticide Communication Report for exceedances that were detected during the first irrigation season monitoring event on April 29, 2008. Also attached are the final laboratory reports relevant to these exceedances. Please let us know if you have any questions.

Sincerely,

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**Sent: Thursday, August 14, 2008 at 8:22 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Re: Pesticide Communication Report - Irrigation1 2008

**Attachments:** none

The attachments to my previous email are quite large. If you have any trouble downloading these files, they can also be found on the MLJ-LLC sharepoint website In the Regional Board Documents folder, Under Communication Report Files.

<http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx> (user name: ftpuser, password: Aqua2007!).

**East San Joaquin Water Quality Coalition**  
 1201 L Street  
 Modesto, CA 95354  
**www.esjcoalition.org**

August 18, 2008

Dania Huggins  
 Irrigated Lands Conditional Waiver Program  
 Central Valley Regional Water Quality Control Board  
 11020 Sun Center Drive, #200  
 Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting a formal Communication Report for the pesticide exceedances reported on June 13, 2008 that have not been addressed in a Management Plan or previous Communication Report (see Table 1 below). Sampling occurred at this site on April 29, 2008 during the first irrigation sampling event of 2008.

**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during the first irrigation sampling event on April 29, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Season	Carbofuran	Dieldrin
				0 µg/L*	0.00014 µg/L
Deadman Creek @ Gurr Rd	NM	4/29/08	Irrigation		0.028
Duck Slough @ Gurr Rd	NM	4/29/08	Irrigation	0.052	

\*Carbofuran is a prohibited discharge pesticide and any detected amount of carbofuran in a sample is considered an exceedance.

**1. Follow-up monitoring and analyses conducted.**

No follow-up sampling was conducted as a result of the pesticide exceedances. The second irrigation season sampling occurred at these two site on May 27, 2008 and results from that monitoring event indicated that the exceedance was not persistent at these sites. Further discussion on the exceedance is provided below.

**2. Actions taken to identify the source of the exceedance.**

Dieldrin was detected at exceedance levels for the first time at the Deadman Creek @ Gurr Rd sample site during this monitoring event. Dieldrin is an organochlorine

insecticide that is not currently registered for agricultural use. Dieldrin was widely used in the past to control insects on cotton, corn and citrus crops, however was banned from agricultural use in 1974. Dieldrin was also used to control locusts and mosquitoes, as a wood preserve, and for termite control. All products containing dieldrin were banned from use in 1987. Dieldrin is a persistent, bioaccumulative, and toxic (PBT) pollutant targeted by EPA (<http://www.epa.gov/opptintr/pbt/>).

There was no associated toxicity in this sample. If additional exceedances of dieldrin occur at this site, then the exceedance will be addressed through actions stated in the Deadman Creek subwatershed management plan.

Carbofuran was also detected at exceedance levels at the Duck Slough @ Gurr Rd sample site during the first irrigation season monitoring event on April 29, 2008. Carbofuran is a prohibited discharge pesticide and any detection of the constituent in a water sample is considered an exceedance. It is a restricted use pesticide and has minimal use in California on crops such as artichokes, grapes and ornamentals. A systemic, broad spectrum N-methyl carbamate insecticide and nematicide, carbofuran is highly toxic to *Ceriodaphnia dubia*. There was no toxicity detected in these samples. Pesticide Use Report (PUR) data for the Duck Slough @ Gurr Rd site subwatershed are not yet available, however once they are received from the Agricultural Commissioner's Office they will be reviewed for applications relevant to this detection. If additional exceedances of carbofuran are detected at this site, then actions will be taken to address the exceedances in the Coalition Management Plan.

**3. Complete analytical results**

Analytical results for these exceedances are attached to the transmittal message. These results include all carbamate and organochlorine data reports for this monitoring event provided to the Coalition by the analytical laboratory. QC and calibration data are included in the data reports.

**4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

**Table 2.** Time Schedule

Action	Anticipated Completion Date
Obtain PURs	August 30, 2008
Contact Growers in Watersheds	Variable
Perform Management Practices Survey	Complete (update to occur 12/31/08)
Outreach/BMP Education	Variable
Management Plan	Not yet scheduled

Justification for dates:

**Obtain PURs** – PURs for applications that occurred in the site subwatersheds in this report are not yet available for the months of April and May from the County Agricultural Commissioner’s Office. Data should be available to the Coalition within the next month and will be reviewed for applications relevant to these exceedances once they are received.

**Contact growers in the watersheds** – A proactive outreach strategy is being implemented by the Coalition, and current outreach is occurring based on exceedances from the 2007 irrigation season. Mailings were sent to Coalition members within the site subwatersheds where pesticide exceedances occurred during the previous season. In addition, outreach meetings have occurred on a site subwatershed basis where exceedances occurred during the previous year’s monitoring. These outreach activities are structured to remind growers just prior to the application period to use management practices this season that will help to reduce their discharge. Information on the 2008 irrigation season exceedances and management practices to address these exceedances will be provided to growers at the beginning of the 2009 irrigation season.

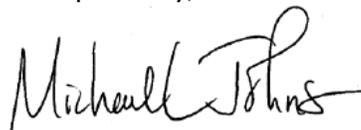
**Perform management practices survey** – Best Management Practices (BMP) surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the December 31, 2007 Semi-Annual Monitoring Report (SAMR). For growers that do not currently have a survey on record, a survey will be provided to them with the Coalition SAMR by December 2008.

**Outreach/ BMP Education** – Current outreach activities are occurring to address exceedances detected during the 2007 irrigation season. Management practices that can be implemented to reduce the chance of discharge this season are discussed at grower meetings or provided in mailings. A grower meeting was held on June 18, 2008 with growers in Stanislaus County that are located in close proximity to waterways and an additional meeting was held in Merced County on July 21, 2008 to discuss exceedances from the past and management practices to address the exceedances. A mailing was also sent out to growers located in site subwatersheds where detections of chlorpyrifos occurred during the 2007 irrigation season. The Coalition meeting to address the exceedances in this report is planned to occur in the late winter/early spring of 2009, just prior to the time when herbicides and metals would be applied for terrestrial and aquatic weed control.

**Management Plan** – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent. A time schedule for these Management Plans has not yet been determined.

Let us know if further explanation or documentation is necessary.

Respectfully,



Michael L. Johnson, Technical Program Manager

**Sent: Wednesday, August 27, 2008 at 3:35 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Toxicity Communication Report - Irrigation3 2008

**Attachments:** ESJWQC\_08\_CR\_Toxicity\_Irrigation3\_082708\_final.doc

Dear Dania,

Attached is a Toxicity Communication Report due today for a first time exceedance that occurred during the third irrigation monitoring event on June 17, 2008. The final laboratory report that is relevant to this exceedance is too large to attach to this email, but can be found on the MLJ-LLC sharepoint website. <http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx> (username: ftpuser, password: Aqua2007!)

Please let us know if you have any questions on this report.

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
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**East San Joaquin Water Quality Coalition**  
 1201 L Street  
 Modesto, CA 95354  
[www.esjcoalition.org](http://www.esjcoalition.org)

August 27, 2008

Dania Huggins  
 Irrigated Lands Conditional Waiver Program  
 Central Valley Regional Water Quality Control Board  
 11020 Sun Center Drive, #200  
 Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for a toxicity exceedance reported on June 24, 2008 that occurred in water samples collected from ESJWQC sample sites on June 17, 2008 (see Table 1 below). Only the toxicity exceedance that occurred for the first time at sample site is included in this report.

**Table 1.** ESJWQC toxicity in normal monitoring (NM) samples collected during the third 2008 irrigation sampling event conducted on June 17, 2008. Only the first time toxicity exceedance for this monitoring event is shown.

Sample Site	Sample Type	Sample Date	Season	<i>Pimephales promelas</i> (% survival compared to control)
Silva Drain @ Meadow Dr	NM	6/17/2008	Irrigation	82

**1. Follow-up monitoring and analyses conducted**

Re-sampling for *Pimephales* toxicity at Silva Drain @ Meadow Dr occurred on June 24, 2008 and results indicated that the *Pimephales* toxicity was not persistent at that site.

**Table 2.** ESJWQC results from re-sampling (RS) on June 24, 2008 as follow-up to toxicity.

Sample Site	Sample Type	Sample Date	Season	<i>Pimephales promelas</i> (% growth compared to control)
Silva Drain @ Meadow Dr	RS	6/24/08	Irrigation	100*

\*Sample is not toxic.

## 2. Actions taken to identify the source of the exceedances

Toxicity to *Pimephales* occurred in samples collected from the Silva Drain @ Meadow Dr site although the level of toxicity did not drop below 20%. Follow-up sampling for toxicity occurred one week after the initial samples were collected and toxicity was not persistent at this site. *Pimephales* mortality relative to the control was less than 50% and therefore did not trigger a Toxicity Identification Evaluation. However, an exceedance of ammonia (13 µg/L) was also detected in the Silva Drain @ Meadow Dr sample water during this event. *Pimephales* is known to be sensitive to ammonia in water, and it is likely that the toxicity detected at this site is due to the elevated level of ammonia. *E. coli* was also detected at this site, at the highest level detectable (>2400 MPN/100mL), indicating that the source of ammonia may be fecal matter. In the Silva Drain @ Meadow Dr site subwatershed there is irrigated pasture just adjacent to the sample site and dairies are found upstream. Drainage water from the pasture is a possible source of fecal contamination at the sample site. The elevated ammonia and *E. coli* suggest that livestock waste was the cause of the exceedance.

Pesticides applications that may also be relevant to this toxicity will be reviewed through Pesticide Use Reports (PURs), in the case that a pesticide not tested by the Coalition may be responsible for the toxicity. These data are not available for Merced County at this time, but will be provided with the next Coalition AMR.

## 3. Complete analytical results

A summary of the analytical results are provided electronically in pdf format along with this report.

## 4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.

**Table 3.** Time Schedule

Action	Anticipated Completion Date
Obtain PURs	October 30, 2008
Contact Growers in Watersheds	Variable
Perform Management Practices Survey	Complete (update to occur 3/1/09)
Outreach/BMP Education	Variable
Management Plan	Not yet scheduled

Justification for dates:

**Obtain PURs** – PURs for applications that occurred in the site subwatersheds in this report are not yet available for the months of April and May from the County Agricultural Commissioner’s Office. Data should be available to the Coalition within the

next month and will be reviewed for applications relevant to these exceedances once they are received.

**Contact growers in the watersheds** – A proactive outreach strategy is being implemented by the Coalition, and current outreach is occurring based on exceedances from the 2007 irrigation season. Mailings were sent to Coalition members within the site subwatersheds where pesticide exceedances occurred during the previous season. In addition, outreach meetings have occurred on a site subwatershed basis where exceedances occurred during the previous year’s monitoring. These outreach activities are structured to remind growers just prior to the application period to use management practices this season that will help to reduce their discharge. Information on the 2008 irrigation season exceedances and management practices to address these exceedances will be provided to growers at the beginning of the 2009 irrigation season.

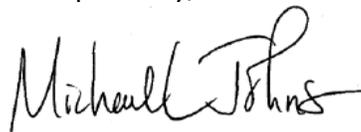
**Perform management practices survey** – Best Management Practices (BMPs) surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the December 31, 2007 Semi Annual Monitoring Report (SAMR). For growers that do not currently have a survey on record, a survey will be provided to them with the Coalition SAMR by December 2008.

**Outreach/ BMP Education** – Current outreach activities are occurring to address exceedances detected during the 2007 irrigation season. Management practices that can be implemented to reduce the chance of discharge this season are discussed at grower meetings or provided in mailings. The Coalition meeting to address the exceedances in this report is planned to occur in the late winter/early spring of 2009, just prior to the time when herbicides and metals would be applied for terrestrial and aquatic weed control.

**Management Plan** – An updated Management Plan will be submitted on September 30, 2008 for all subwatersheds that have experienced two or more exceedances in one constituent.

Let us know if further explanation or documentation is necessary.

Respectfully,



Michael L. Johnson, Technical Program Manager

**Sent: Thursday, August 28, 2008 at 2:12 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Communication Report - Irrigation3 2008

**Attachments:** ESJWQC\_08\_CR\_Field\_Irrigation3\_082808\_final.doc

Dear Dania,

Attached is a Communication Report for one field exceedance detected for the first time during the third irrigation monitoring event on June 24, 2008. The field sheets relevant to this exceedance are available on the MLJ-LLC sharepoint website. Go to <http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx> (username: ftpuser, password: Aqua2007!).

Please let us know if you have any questions on this report.

Krista

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Krista Callinan  
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## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354

[www.esjcoalition.org](http://www.esjcoalition.org)

August 28, 2008

Dania Huggins  
Irrigated Lands Conditional Waiver Program  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for field parameter exceedances that occurred during the third 2008 irrigation season sampling event reported on June 25, 2008 (see Table 1 below). Only the exceedance that was experienced for the first time at a sample site is included in this report.

**Table 1.** Field exceedance detected in receiving waters on May 27, 2008 during the second irrigation season monitoring event.

Sample Site	Sample Date	Season	Dissolved Oxygen (mg/L)
Miles Creek @ Reilly Rd	6/24/08	Irrigation	4.76

### 1. Follow-up monitoring and analyses conducted.

Follow-up sampling for field parameter exceedances did not occur at this site. However, field parameters were measured again at this site during the fourth and fifth irrigation monitoring events and showed persistently low levels of dissolved oxygen (DO) at the site. The persistence of low DO at Miles Creek may be due natural conditions in the water body. Because additional exceedances were detected in Miles Creek, DO will be addressed in the management plan for that site subwatershed.

### 2. Actions taken to identify the source of the exceedance.

#### Dissolved Oxygen

Exceedances of the DO water quality trigger limit (WQTL) are common and have been present throughout the Coalition region since monitoring was implemented. DO and pH are expected to vary diurnally and can exceed the WQTL as a result of natural processes in the water column such as changing water temperature, photosynthesis and respiration. Changes in DO can be exacerbated by the addition of nutrients which

stimulate production of organic material. The organic material eventually dies and is broken down by microbial activity. The respiration of the bacteria during the breakdown process is termed Biological Oxygen Demand (BOD).

The Coalition conducted a special study in 2007 which attempted to determine if BOD contributed to the low DO in samples from the subwatersheds. The results of this study were included in Appendix VIII of the December 30, 2007 Semi Annual Monitoring Report. The majority of the samples contained no measurable BOD. The reasons for this could be the long holding time prior to initiation of the test or already depleted DO concentrations in the water column. BOD and Total Organic Carbon (TOC) were positively correlated and TOC was used as a surrogate for BOD in a multiple regression analysis. Water temperature, BOD, and nitrate in the water column were all significant predictors of DO. As water temperature and BOD increased, DO decreased. As nitrate increased, DO increased; although the explanation for this relationship is not clear. It is clear that both water temperature and BOD are significant factors causing the decrease in DO although other, as yet unknown factors are also important.

### **3. Complete analytical results**

Complete analytical results in the form of field sheets in pdf format are too large to send by email with this report, but are available on the MLJ-LLC Sharepoint website.

### **4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

Because this exceedance was detected for the first time at this site and may be due to natural fluctuations in the creek, no follow-up actions will be taken to address this exceedance at this time. This exceedance will be addressed in a Management Plan for the site subwatershed.

Let us know if further explanation or documentation is necessary.

Respectfully,



Michael L. Johnson, Technical Program Manager

**Sent: Thursday, September 4, 2008 at 9:35 AM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Metals and TDS Communication Report - Irrigation2 2008

**Attachments:** ESJWQC\_08\_CR\_TDS\_metals\_Irrigation2\_090408\_final.doc  
ESJWQC\_I050970\_Irrigation2B\_052708.pdf

Dear Dania,

Attached is a Communication Report for exceedances detected in samples collected on May 27, 2008 and reported on July 5, 2008. Also attached is the final laboratory report relevant to these exceedances. Please let us know if you have any questions on this report.

Sincerely,

Krista

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Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
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## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354  
www.esjcoalition.org

September 4, 2008

Dania Huggins  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for physical parameters and metals exceedances reported on July 5, 2008 (see Table 1). Only exceedances that occurred for the first time at a sample site are included in this report. Sampling occurred at these sites on May 27, 2008 for the second irrigation season monitoring event.

**Table 1.** TDS and metals exceedances detected for the first time at a sample site during the second irrigation monitoring event on May 27, 2008.

Site Name	Sample Date	Nickel	TDS
		12 µg/L	450 mg/L
Black Rascal Creek @ Yosemite Rd	5/27/08	14	
Deadman Creek @ Gurr Rd	5/27/08		520

### 1. Follow-up monitoring and analyses conducted.

No immediate follow-up sampling was performed. Results were not received from the laboratories until after the next event of sampling occurred. Samples were collected as part of normal monitoring for the analysis of metals and nutrients on June 17 and 24, and results from those samples were reported on July 28, 2008. Neither of the exceedances included in this report were detected again at those sites. If additional exceedances do occur during future monitoring events then they will be addressed through a subwatershed Management Plan.

### 2. Actions taken to identify the source of the exceedance.

#### Nickel

Nickel was detected in samples collected from the Black Rascal Creek site during the May 27, 2008 monitoring event. Nickel is a naturally occurring metal that is found in

native soils within the Coalition region. It is also applied by agriculture as a foliar nutrient on crops such as cotton and pecans to improve nitrogen utilization when nitrogen is applied as urea. The amount of nickel applied in the Coalition region is unknown but because urea is not the most commonly used form of nitrogen fertilization, its use is assumed to be low. Nickel is also a constituent in fertilizers originating with wastes from industry and sewage treatment plants. It can also be released into the environment from the disposal of nickel-cadmium batteries. In addition to the nickel exceedance at the Black Rascal Creek site, exceedances of cadmium (0.1 µg/L) and lead (5.5 µg/L) also occurred (these will be addressed in the Coalition Management Plan). According to the field observations there was no observed flow in the creek at the time of sampling and the sample water was very turbid, with less than four inches of visibility. Metals associated with sediments may have been found in the water column and due to the fact that the samples were not filtered, the concentration of metals in the sample water may have been elevated. The particular sources of these metals are unknown, however if additional exceedances occur in the site subwatershed then they will be addressed in the Coalition Management Plan.

### **Total Dissolved Solids**

TDS describes all solids (usually mineral salts) that are dissolved in water and are frequently associated with exceedances of EC. Besides the TDS exceedance, field results from Deadman Creek @ Gurr Rd show that EC also measured above the water quality trigger limit (801 µS/cm). Potential sources of EC and TDS are minerals leached from soils by upstream surface water and ground water, or drain water from irrigated agriculture. There are two general sources of EC (or TDS) in agricultural landscapes; fertilizers and native soils. A commercial fertilizer can be made up of dozens of different chemicals, each of which ionize and contribute to the EC of the solution. Different brands of fertilizer can use different chemicals to make up the total formula indicating that there will not be a universal signal for fertilizer-generated EC or TDS.

Deadman Creek @ Gurr Rd is located in Sandy Mush Country, close to the San Joaquin River where depth to ground water tends to be very shallow. Data developed by the Modesto and Turlock Irrigation Districts suggests that the exceedances of TDS/EC to the north of this site are a function of ground water. Geologically, the ground water from both the east and west side of the Valley moves toward the San Joaquin River trough, the low point in the Valley that is naturally high in salts. The movement of water down gradient toward the San Joaquin River creates a shallow ground water table, as evidenced by the numerous wetlands that are in the vicinity of the river. This shallow ground water appears to be the cause of the salinity problems in many ESJWQC water bodies close to the river. It is unknown if shallow ground water is the cause of the elevated TDS at this location and at this time.

### **3. Complete analytical results**

Analytical results are appended electronically to the transmittal message. These results include all data reports provided to the Coalition by the analytical laboratory. QC data are included in the data reports.

**4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

**Table 3.** Time Schedule.

Action	Anticipated Completion Date
Obtain PURs	Not Applicable
Contact Growers in Watersheds	Variable
Perform Management Practices Survey	Complete (update to occur 12/31/08)
Outreach/BMP Education	Variable
Management Plan	September 30, 2008

Justification for dates:

**Obtain PURs** – Because the exceedances in this report are not active ingredients of pesticides, PUR data are not relevant to this report.

**Contact growers in the watersheds** – A proactive outreach strategy is being implemented by the Coalition, and current outreach is occurring based on exceedances from the 2007 irrigation season. Mailings were sent to Coalition members within the site subwatersheds where exceedances occurred during the previous season. In addition, outreach meetings have occurred on a site subwatershed basis where exceedances occurred during the previous year’s monitoring. These outreach activities are structured to remind growers just prior to the application period to use management practices to reduce their discharge. Information on the 2008 irrigation season exceedances and management practices to address these exceedances will be provided to growers at the beginning of the 2009 irrigation season.

**Perform management practices survey** – BMP surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the December 31, 2007 SAMR. For growers that do not currently have a survey on record, a survey was provided with the call for membership renewal in the spring of 2008, and if that is unsuccessful will be provided to them with the Coalition Annual Report by December 2008.

**Outreach/ BMP Education** – Current outreach activities are occurring to address exceedances detected during the 2007 irrigation season. Management practices that can be implemented to reduce the chance of discharge this season are discussed at grower meetings or provided in mailings. The Coalition meeting to address the exceedances in this report is planned to occur in the late winter/early spring of 2009, just prior to the time when any products with metals would be applied.

**Management Plan** – An updated Management Plan will be submitted on September 30, 2008 for all subwatersheds that have experienced two or more exceedances in one constituent up to September 2007.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a vertical red line to its right.

Michael L. Johnson, Technical Program Manager

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**Sent: Monday, September 29, 2008 at 2:06 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Pesticide Communication Report - Irrigation2 2008

**Attachments:** ESJWQC\_08\_CR\_Pesticide\_Irrigation2\_092908\_final.doc

Dear Dania,

Attached is a Communication Report for a pesticide exceedance detected in water samples collected for the second irrigation monitoring event on May 27, 2008. The final laboratory report relevant to this exceedance has been posted to the MLJ-LLC Sharepoint website. To access the Sharepoint go to: <http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx>. (username: ftpuser, password: Aqua2007!). Please let us know if you have any questions on this report.

Sincerely,

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
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## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354  
[www.esjcoalition.org](http://www.esjcoalition.org)

September 29, 2008

Dania Huggins  
Irrigated Lands Conditional Waiver Program  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting a formal Communication Report for the pesticide exceedance reported on July 25, 2008 that has not been addressed in a Management Plan or previous Communication Report (see Table 1 below). Sampling occurred at this site on May 27, 2008 during the second irrigation event of 2008.

**Table 1.** Pesticide exceedance from the ESJWQC region for samples collected during the second irrigation sampling event on May 27, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Season	Cyanazine
				1.0 µg/L
Cottonwood Creek @ Rd 20	NM	5/27/2008	Irrigation	1.1

NM – Normal Monitoring

### 1. Follow-up monitoring and analyses conducted.

No follow-up sampling was conducted as a result of the pesticide exceedance. The third irrigation season sampling event occurred on June 24, 2008 and results from that monitoring event indicated that the exceedance was not persistent at the site. Further discussion on the exceedance is provided below.

### 2. Actions taken to identify the source of the exceedance.

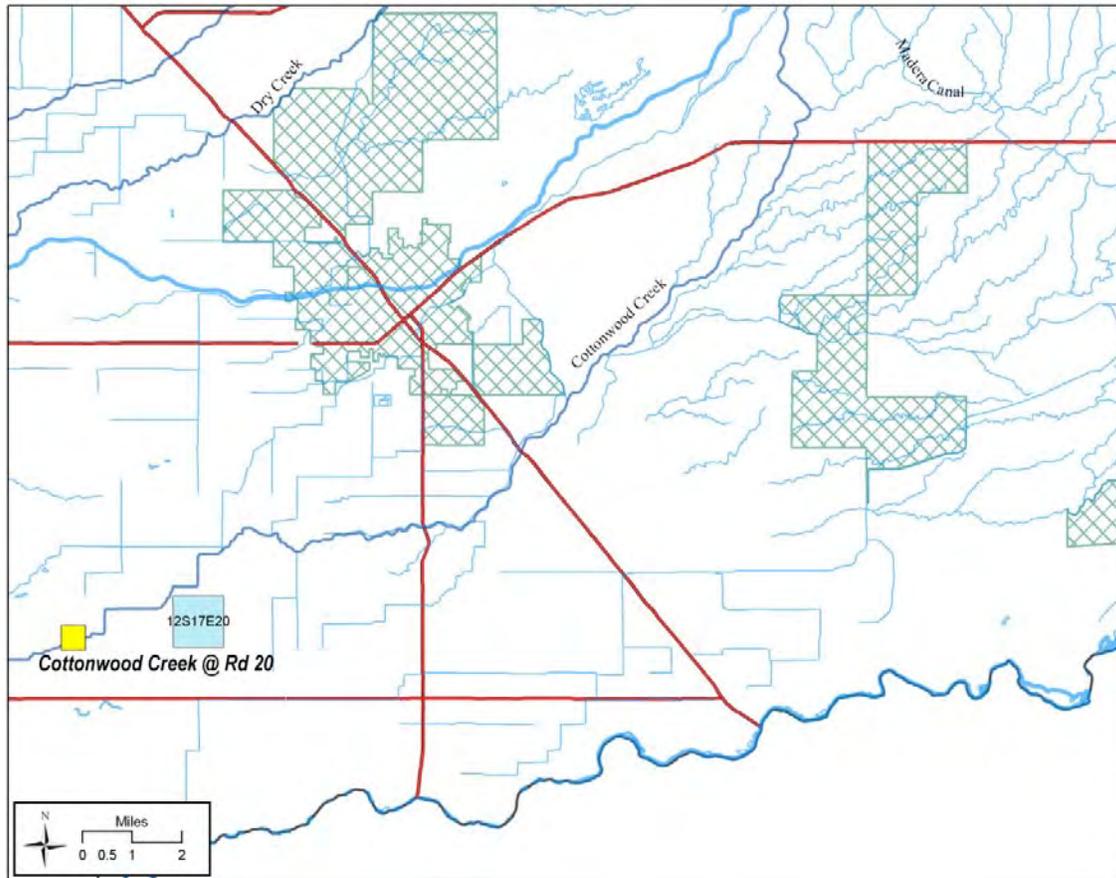
Cyanazine was detected at exceedance levels for the first time at the Cottonwood Creek @ Rd 20 sample site during this monitoring event. Cyanazine is a triazine herbicide that is not currently registered for use. Due to the long hydrolysis half-life of cyanazine (3,680 days according to the Pesticide Action Network Database), it is possible that the detection was a result of applications in the past. Cyanazine was classified as a

Restricted Use Pesticide between 1995 and 2002 and during that time the production of cyanazine was phased out. The sale and use of stocks of cyanazine was prohibited after September 30, 2002. Pesticide Use Reports (PURs) show that use did occur within the Cottonwood Creek site subwatershed in July of 1995. However, it is unlikely that these two applications could be the source of the exceedance detected.

**Table 2.** Cyanazine applications within the Cottonwood Creek @ Rd 20 site subwatershed between 1995 and 2002.

Date	TRS	Commodity	Product Name	Chemical Name	Pounds Product Applied	Pounds Chemical Applied	Acres Treated	Application Method
7/18/1995	12S17E20	Corn (forage - fodder)	Du Pont Bladex 4l Herbicide	Cyanazine	74.97	32.2371	40	G
7/19/1995	12S17E20	Corn (forage - fodder)	Du Pont Bladex 4l Herbicide	Cyanazine	74.97	32.2371	40	G

**Figure 1.** Map of TRS with cyanazine applications in the Cottonwood Creek @ Rd 20 site subwatershed between 1995 and 2002. The TRS where applications occurred is highlighted blue. The sample site is shown in yellow.



Cyanazine is known to be toxic to *Selenastrum capricornutum* (LC<sub>50</sub> of 145 µg/L), however no toxicity was detected in the samples from this site. If additional

exceedances of cyanazine are detected at this site, then the exceedances will be addressed in the Coalition Management Plan.

### 3. Complete analytical results

Analytical results for these exceedances are attached to the transmittal message. These results include all triazine data reports for this monitoring event provided to the Coalition by the analytical laboratory. QC and calibration data are included in the data reports.

### 4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.

**Table 3.** Time Schedule

Action	Anticipated Completion Date
Obtain PURs	Done
Contact Growers in Watersheds	December 31, 2008
Perform Management Practices Survey	Complete (update to occur 12/31/08)
Outreach/BMP Education	March 2009
Management Plan	Not yet scheduled

Justification for dates:

**Obtain PURs** – Cyanazine is not currently registered for use, however PURs for applications that occurred in the past in the site subwatershed are provided above.

**Contact growers in the watersheds** – A proactive outreach strategy is being implemented by the Coalition, and current outreach is occurring based on exceedances from the 2007 irrigation season. Mailings were sent to Coalition members within the site subwatersheds where pesticide exceedances occurred during the previous season. In addition, outreach meetings have occurred on a site subwatershed basis where exceedances occurred during the previous year’s monitoring. These outreach activities are structured to remind growers just prior to the application period to use management practices this season that will help to reduce their discharge. Information on the 2008 irrigation season exceedances and management practices to address these exceedances will be provided to growers at the beginning of the 2009 irrigation season.

**Perform management practices survey** – Best Management Practices (BMP) surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the December 31, 2007 Semi-Annual Monitoring Report. For growers that do not currently have a survey on record, a survey will be provided to them with the Coalition Annual Report by December, 2008.

**Outreach/ BMP Education** – Current outreach activities are occurring to address exceedances detected during the 2007 irrigation season. Management practices that can be implemented to reduce the chance of discharge this season are discussed at

grower meetings or provided in mailings. A grower meeting was held in Merced County on July 21, 2008 to discuss exceedances from the past and management practices to address the exceedances. Though the exceedance in this report is likely a result of legacy use, the Coalition meeting to address irrigation season exceedances is planned to occur in the late winter/early spring of 2009, just prior to the time when herbicides would be applied for terrestrial and aquatic weed control.

**Management Plan** – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent through September, 2007. This Management Plan will be submitted September 30, 2008.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a large initial "M".

Michael L. Johnson, Technical Program Manager

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**Sent: Tuesday, September 30, 2008 at 4:35 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Metals and Nutrients Communication Report - Irrigation3 2008

**Attachments:** ESJWQC\_08\_CR\_Pesticide\_Irrigation2\_092908\_final.doc

Dear Dania,

The Communication Report due today for exceedances of metals and nutrients detected during the third irrigation sampling event on June 17 and 24, 2008 has been posted to the MLJ-LLC Sharepoint website. The final Laboratory report relevant to these exceedances has also been posted. To access these files go to: <http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx> (username: ftpuser, password: Aqua2007!). Let us know if you have any questions on this report.

Sincerely,

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

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## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354  
www.esjcoalition.org

September 30, 2008

Dania Huggins  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for physical parameters and metals exceedances reported on July 28, 2008 (see Table 1). Only exceedances that occurred for the first time at a sample site are included in this report. Sampling occurred at these sites on June 17 and 24, 2008 for the third irrigation season monitoring event.

**Table 1.** TDS and metals exceedances detected for the first time at a sample site during the second irrigation monitoring event on May 27, 2008.

Site Name	Sample Date	Arsenic	Cadmium	Copper	Lead	Nitrate
		10 µg/L	0.04 µg/L*	Variable (based on hardness)	Variable (based on hardness)	10 µg/L
Livingston Drain @ Robin Ave	6/17/2008					11
Livingston Drain @ Robin Ave (FD)	6/17/2008					11
Silva Drain @ Meadow Dr	6/17/2008		0.1	68 (27)		
Bear Creek @ Kibby Rd	6/24/2008	17				
South Slough @ Quinley Rd	6/24/2008			4 (3.7)	0.85 (0.81)	

FD – Field duplicate sample

\*Current water quality trigger limit for cadmium is 5 µg/L, however the original exceedance report was written using the old trigger limit; 0.04 µg/L.

### 1. Follow-up monitoring and analyses conducted.

No immediate follow-up sampling was performed. Results were not received from the laboratories until after the next event of sampling on July 22 and 29, 2008. Normal monitoring occurred again at these sites for the analysis of metals and nutrients and results from those samples were reported on August 28 and September 5, 2008. Of the exceedances included in this report, cadmium was detected again at the Silva Drain @ Meadow Dr site (0.08 µg/L) during the following sampling event. The water quality

trigger limit (WQTL) value for cadmium has increased from 0.04 µg/L to 5 µg/L since these samples were reported, and neither detection at Silva Drain (from sampling event from August or September) would be considered an exceedance with the current limits. If additional exceedances do occur during future monitoring events then they will be addressed through a subwatershed Management Plan.

## **2. Actions taken to identify the source of the exceedance.**

### **Arsenic**

An exceedance of arsenic was detected at the Bear Creek @ Kibby Rd sample site during the June 24, 2008 sampling event. There were no other metals detected at exceedance levels at this site. Arsenic is found in sodium cacodylate which is applied by agriculture for broadleaf weed control and as a cotton defoliant. The registrations on many products with this active ingredient have been cancelled. However, there are four products currently registered for use on citrus, for weed control around ditches, for use on ornamental plants, for nonagricultural weed control, and for weed control around buildings, driveways, sidewalks, rights-of-way, and fencerows. Several products are available for use by homeowners and nonagricultural users (e.g. county road maintenance)

([http://www.pesticideinfo.org/List\\_Products.jsp?Rec\\_Id=PC34358&Chem\\_Name=Sodium%20cacodylate&PC\\_Code=012502](http://www.pesticideinfo.org/List_Products.jsp?Rec_Id=PC34358&Chem_Name=Sodium%20cacodylate&PC_Code=012502)) and the product may have been purchased for use by local homeowners for use on their property. California Department of Pesticide Regulation records indicate no use of sodium cacodylate across the Coalition region between 1998 and 2006 for agricultural use.

At this point the source of arsenic is unclear although native soils can contain elevated concentrations of arsenic. The Coalition will work with the Regional Board to determine if it is feasible to obtain the necessary data to establish background levels when arsenic becomes a priority.

### **Cadmium**

Cadmium was detected at the Silva Drain @ Meadow Dr site above the WQTL of 0.04 µg/L. Since the time of this exceedance, the WQTL for cadmium has increased to 5 µg/L and the exceedance listed in this report is therefore no longer considered an exceedance. As a result, there will be no follow-up actions to deal with this exceedance at this time.

### **Copper**

Copper was detected at exceedance levels at the Silva Drain @ Meadow Dr and South Slough @ Quinley Rd sample sites. Copper is commonly applied throughout the Coalition region and is considered an organic herbicide, fungicide, and algicide. Copper is known to contribute to the toxicity of *Selenastrum* reducing growth of the algae. Copper active ingredients (AIs) include copper, copper hydroxide, copper sulfate and copper sulfate pentahydrate. Copper can also become available to water bodies through

the weathering of rocks and soils that naturally contain metals. Copper is found in automobile components and wearing of brakes can add substantial amounts of copper to surface waters that pass through or near urban areas. Since copper does not degrade, it is possible that applications can cause exceedances several months after application. Tables and maps of relevant pesticide applications in the site subwatersheds are provided below.

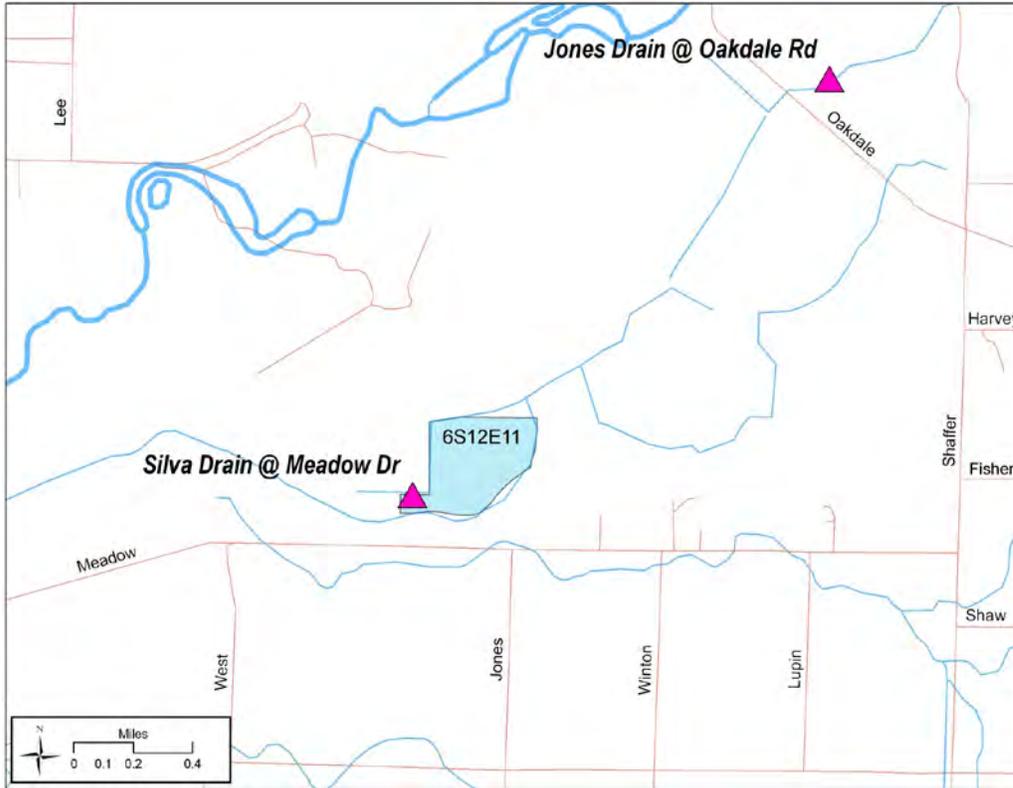
**Table 2.** Copper applications that occurred in the Silva Drain @ Meadow Dr site subwatershed within three months of the date of sampling.

Commodity	Application Date	EPA Number	EPA name	Active Ingredient	Pounds Active Ingredient Used	Application Method	Treated acres	TRS
ALMOND	1/4/2008	352-656-AA	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	204	Ground	34	6S12E11
ALMOND	1/4/2008	352-656-AA	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	210	Ground	35	6S12E11
ALMOND	1/11/2008	352-656-AA	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	170	Ground	34	6S12E11

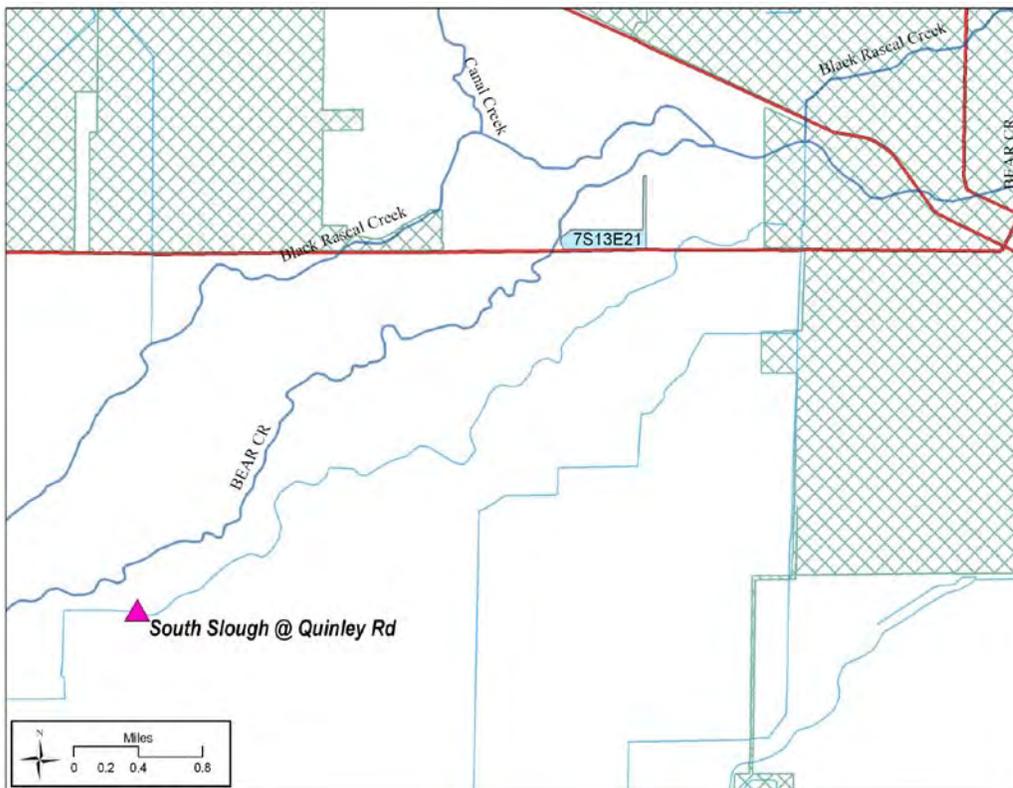
**Table 3.** Copper applications that occurred in the South Slough @ Quinley Rd site subwatershed within three months of the date of sampling.

Commodity	Application Date	EPA Number	EPA Name	Active Ingredient	Pounds Applied	Application Method	Treated Acres	TRS
ALMOND	2/29/2008	352-656-AA	DUPONT KOCIDE 2000 FUNGICIDE/BACTERICIDE	COPPER HYDROXIDE	140	Ground	35	7S13E21

**Figure 1.** Map of copper applications that occurred in the Silva Drain @ Meadow Dr site subwatershed within three months of the date of sampling.



**Figure 2.** Map of copper applications that occurred in the South Slough @ Quinley Rd site subwatershed within three months of the date of sampling.



## **Lead**

An exceedance of lead was detected at the South Slough @ Quinley Rd site subwatershed. Lead is a legacy of any of a number of potential sources including deposition from leaded gasoline, disposal of lead-containing products such as paints, electronic components, and batteries, and old applications of lead arsenate pesticides. Currently, there are no pesticides applied that have lead as a material, although lead arsenate was used in the past. Lead arsenate was used generally only until the 1960s and has been banned on all food crops since 1991. Currently, the most probable source is contaminated soils that originated from old pesticide applications, disposal of products containing lead, or the deposition of automobile exhaust along roadways. Lead is predominantly particulate-bound and is not bioavailable in that form. Major roads and highways within subwatersheds may contribute to the leaching of lead into the waterways. In addition, disposal of lead paint in the vicinity, burial of old buildings with lead paint, or leaching lead from lead arsenate deposition could all be contributors to lead detections. The source of lead in the South Slough site subwatershed is unknown, however, regardless of the source, the constituent is not likely to be manageable by implementing Management Practices (MPs).

## **Nitrate**

The WQTL for nitrate was exceeded at the Livingston Drain @ Robin Ave sample site. Nitrate was detected at 11 µg/L in both the grab and duplicate samples collected from this site. Potential sources of nitrates in surface waters include runoff of fertilizers or organic matter from irrigated pasture, leaking septic systems, waste-treatment facility effluent, and inputs from dairies. These sources can move to surface waters through above ground runoff or shallow subsurface flows.

Animal waste that enters surface waters can be converted to nitrate by nitrifying bacteria. Possible sources of animal waste in a drain include dairies, chicken lots, pasture and/or wildlife. The Livingston Drain site drains only a small portion of land (approximately 69 irrigated acres), however, a pasture is located just adjacent to the sample site. Runoff from the pasture could be the source of nitrate in the drain either through direct runoff or through movement in shallow ground water. If additional exceedances occur at this site, actions may be taken to address the issue through the subwatershed Management Plan.

### **3. Complete analytical results**

Analytical results are appended electronically to the transmittal message. These results include all data reports provided to the Coalition by the analytical laboratory. QC data are included in the data reports.

**4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

**Table 4.** Time Schedule.

<b>Action</b>	<b>Anticipated Completion Date</b>
Obtain PURs	Done
Contact Growers in Watersheds	December 31, 2008
Perform Management Practices Survey	Complete (update to occur 12/31/08)
Outreach/BMP Education	March 2009
Management Plan	September 30, 2008

Justification for dates:

**Obtain PURs** – PUR data for pesticide applications relevant to the copper exceedances in the Silva Drain and South Slough subwatersheds are provided in this report. The remainder of the exceedances do not include active ingredients of pesticides, and PUR data are not relevant to this report.

**Contact growers in the watersheds** – A proactive outreach strategy is being implemented by the Coalition, and current outreach is occurring based on exceedances from the 2007 irrigation season. Mailings were sent to Coalition members within the site subwatersheds where exceedances occurred during the previous season. In addition, outreach meetings have occurred on a site subwatershed basis where exceedances occurred during the previous year’s monitoring. These outreach activities are structured to remind growers just prior to the application period to use management practices to reduce their discharge. Information on the 2008 irrigation season exceedances and management practices to address these exceedances will be provided to growers at the beginning of the 2009 irrigation season.

**Perform management practices survey** – BMP surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the December 31, 2007 Semi-Annual Monitoring Report. For growers that do not currently have a survey on record, a survey was provided with the call for membership renewal in the spring of 2008, and if that is unsuccessful will be provided to them with the Coalition Annual Report by December 2008.

**Outreach/ BMP Education** – Current outreach activities are occurring to address exceedances detected during the 2007 irrigation season. Management practices that can be implemented to reduce the chance of discharge this season are discussed at grower meetings or provided in mailings. The Coalition meeting to address the exceedances in this report is planned to occur in the late winter/early spring of 2009, just prior to the time when any products with metals would be applied.

**Management Plan** – An updated Management Plan will be submitted on September 30, 2008 for all subwatersheds that have experienced two or more exceedances in one constituent up to September 2007.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a vertical line extending downwards from the end of the signature.

Michael L. Johnson, Technical Program Manager

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**Sent: Thursday, November 20, 2008 at 4:27 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Pesticide Communication Report - Irrigation4 2008

**Attachments:** ESJWQC\_08\_CR\_Pesticide\_Irrigation4\_112008\_final.doc

Dear Dania,

Attached is a Communication Report for the pesticide exceedance that occurred for the first time in samples collected on July 29, 2008. The final laboratory report relevant to this exceedance has been posted to the MLJ-LLC Sharepoint website. To access these files, go to <http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx> (user name: ftpuser, password: Aqua2007!). Let us know if you have any questions on this report.

Sincerely,

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354  
[www.esjcoalition.org](http://www.esjcoalition.org)

November 20, 2008

Dania Huggins  
Irrigated Lands Conditional Waiver Program  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting a formal Communication Report for the pesticide exceedance reported on September 16, 2008 that has not been addressed in a Management Plan or previous Communication Report (see Table 1 below). Sampling occurred at this site on July 29, 2008 during the fourth irrigation event of 2008.

**Table 1.** ESJWQC pesticide exceedance in samples collected during the fourth irrigation monitoring event on July 29, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Type	Sample Date	Chlorpyrifos
			0.015 µg/L
South Slough @ Quinley Rd	NM	7/29/2008	0.029 µg/L

NM – Normal Monitoring

### 1. Follow-up monitoring and analyses conducted.

No follow-up sampling was conducted as a result of the pesticide exceedance. The fifth irrigation season sampling event occurred on August 26, 2008 and results from that monitoring event indicated that the exceedance was not persistent at the site. Further discussion on the exceedance is provided below.

### 2. Actions taken to identify the source of the exceedance.

Chlorpyrifos was detected at exceedance levels for the first time at the South Slough @ Quinley Rd sample site during this monitoring event. Chlorpyrifos is an organophosphate pesticide, commonly applied for pest control on alfalfa, corn, and orchard crops, among others. Chlorpyrifos is highly toxic to *Ceriodaphnia dubia*, however there was no toxicity detected in these samples. Pesticide Use Report (PUR)

data for the South Slough @ Quinley Rd site subwatershed are not yet available for the month of July. Once data are received from the Merced County Agricultural Commissioner's Office, these data will be compiled and provided in the form of a table and map in the Coalition Annual Monitoring Report (AMR) on March 1, 2009. If additional exceedances of chlorpyrifos are detected at this site, then the exceedances will be addressed in the Coalition Management Plan.

**3. Complete analytical results**

Analytical results for this exceedance are attached to the transmittal message. These results include all organophosphate data reports for this monitoring event provided to the Coalition by the analytical laboratory. QC and calibration data are included in the data reports.

**4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

**Table 2.** Time Schedule

Action	Anticipated Completion Date
Obtain PURs	March 1, 2009
Contact Growers in Watersheds	December 2008
Perform Management Practices Survey	Complete (update to occur by 1/31/09)
Outreach/BMP Education	December 2008
Management Plan	April 1, 2009

Justification for dates:

**Obtain PURs** – PURs for chlorpyrifos applications that occurred prior to the exceedance in the site subwatershed will be provided with the Coalition AMR on March 1, 2009.

**Contact growers in the watersheds** – A summary of exceedances for each of the site subwatersheds will be provided to growers through the ESJWQC Annual Report. The Annual Report will go out to growers either by mail or at the Coalition Annual Meetings. Annual Meetings are scheduled for the month of December in Merced, Madera and Stanislaus Counties.

**Perform management practices survey** – Best Management Practices (BMP) surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the ESJWQC Semi-Annual Monitoring Report. As described in the ESJWQC Management Plan submitted on September 30, 2008, an updated Survey Summary Report will be submitted by January 31, 2009.

**Outreach/ BMP Education** – Coalition Annual Meetings are scheduled to occur in the counties of Merced, Madera and Stanislaus during the month of December, 2008. Coalition monitoring exceedances and management practices that are effective in reducing or eliminating exceedances will be discussed.

**Management Plan** – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent. This Management Plan will be submitted by April 1, 2009. Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a large, looped initial "M".

Michael L. Johnson, Technical Program Manager

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**Sent: Tuesday, December 2, 2008 at 5:50 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Metals Communication Report - Irrigation5 2008

**Attachments:** ESJWQC\_08\_CR\_Lead\_Irrigation5\_120208\_final.doc

Dear Dania,

Attached is a Communication Report for one lead exceedance experienced for the first time at a site during the August 19, 2008 monitoring event. The final laboratory report that is relevant to this exceedance has been posted to the MLJ-LLC Sharepoint website (<http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx>). Please let us know if you have any questions on this report.

Sincerely,

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354  
www.esjcoalition.org

December 2, 2008

Dania Huggins  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for one lead exceedance experienced for the first time at the Silva Drain @ Meadow Drive sample site (Table 1). This exceedance occurred in samples collected on August 19, 2008 and was reported on September 24, 2008.

**Table 1.** First-time exceedance in samples collected from the Silva Drain sample site during the fifth irrigation monitoring event on August 19, 2008.

Site Name	Sample Date	Lead*
Silva Drain @ Meadow Dr	8/19/2008	3 (2.02)

\*The water quality trigger limit for lead is calculated based on water hardness and is shown in parenthesis.

### 1. Follow-up monitoring and analyses conducted.

No immediate follow-up sampling was performed. Results were not received from the laboratories until after the next event of sampling occurred. Samples were collected again as part of normal monitoring for the analysis of metals on September 23, 2008, and results from those samples were reported on October 29, 2008. There were no exceedance level detections of lead at the Silva Drain site during that event. If additional exceedances of lead occur at this site, then those exceedances will be addressed through a subwatershed Management Plan.

### 2. Actions taken to identify the source of the exceedance.

#### Lead

Lead is a legacy of any of a number of potential sources including deposition from leaded gasoline, disposal of lead-containing products such as paints, electronic

components, and batteries, and old applications of lead arsenate pesticides. Currently, there are no pesticides applied that contain lead, although lead arsenate was used in the past. Lead arsenate was used generally only until the 1960s and has been banned on all food crops since 1991. It is unknown if lead arsenate pesticides were applied in the subwatershed. Currently, the most probable source is contaminated soils that originated from old pesticide applications, disposal of products containing lead, or the deposition of automobile exhaust. Contaminated soils may have caused contaminated sediment and that sediment may be moved into the water body during storm events. Lead is predominantly particulate bound and not bioavailable in that form. Major roads and highways within subwatersheds may contribute to the leaching of lead into the waterways. In addition, disposal of lead paint in the vicinity, burial of old building materials with lead paint, or leaching lead from lead arsenate deposition could all be contributors to lead detections. The source(s) of lead in the Silva Drain is not certain, but is not likely a result of agricultural management practices.

### **3. Complete analytical results**

Analytical results are provided on the MLJ-LLC Sharepoint website (<http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx>). These results include all data reports provided to the Coalition by the analytical laboratory. QC data are included in the data reports.

### **4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

Because this exceedance was detected for the first time at this site and is not a result of agricultural applications, no follow-up actions will be taken to address this exceedance at this time. This exceedance will be addressed in a Management Plan for the site if lead is detected again at exceedance levels in the site subwatershed.

Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style and is positioned to the left of a vertical line.

Michael L. Johnson, Technical Program Manager

**Sent: Thursday, December 4, 2008 at 12:24 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Sediment Toxicity Communication Report - Irrigation 2008

**Attachments:** ESJWQC\_08\_CR\_Toxicity\_Sediment\_Irrigation\_120408\_final.doc

Dear Dania,

Attached is a Communication Report for sediment toxicity exceedances experienced for the first time during the 2008 Irrigation monitoring event on **August 18, 2008**. The final laboratory report that is relevant to these exceedances is too large to attach electronically, but has been posted to the MLJ-LLC Sharepoint website. Please let us know if you have any questions on this report.

Sincerely,

Krista

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Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

**East San Joaquin Water Quality Coalition**  
 1201 L Street  
 Modesto, CA 95354  
[www.esjcoalition.org](http://www.esjcoalition.org)

December 4, 2008

Dania Huggins  
 Irrigated Lands Conditional Waiver Program  
 Central Valley Regional Water Quality Control Board  
 11020 Sun Center Drive, #200  
 Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for sediment toxicity exceedances reported on September 26, 2008. Sediment samples were collected for the 2008 irrigation season on August 28, 2008 (see Table 1 below) and sites that experienced sediment toxicity were re-sampled on October 2, 2008. Only the toxicity exceedances that occurred for the first time at a sample site are included in this report.

**Table 1.** ESJWQC toxicity in sediment samples collected during the 2008 irrigation sampling event conducted on August 28, 2008.

Site Name	Sample Date	Season	<i>Hyaella azteca</i> (percent survival)
Bear Creek @ Kibby Rd	8/28/2008	Sediment	90
Black Rascal Creek @ Yosemite Rd	8/28/2008	Sediment	62
Deadman Creek @ Hwy 59	8/28/2008	Sediment	89
Duck Slough @ Hwy 99	8/28/2008	Sediment	84
Westport Drain @ Vivian Rd	8/28/2008	Sediment	91

**1. Follow-up monitoring and analyses conducted**

Sediment re-sampling for *Hyaella* toxicity at the sites listed in Table 1 occurred on October 2, 2008 and results indicated that the toxicity at two of the seven sites was persistent (Table 2).

**Table 2.** ESJWQC results from sediment re-sampling (RS) on October 2, 2008 as follow-up to toxicity.

Site Name	Sample Date	Season	<i>Hyaella azteca</i> (percent survival)
Bear Creek @ Kibby Rd	10/2/2008	Sediment - RS	88
Duck Slough @ Hwy 99	10/2/2008	Sediment - RS	87

## 2. Actions taken to identify the source of the exceedances

Although considered toxic statistically, the percentage difference between the samples at four of the five sites indicates that the death of one or two organisms in the treatment could be the reason for the statistical significance. The percentage differences compared to the controls in all samples except the Black Rascal Creek sample are minor and would not be considered biologically significant.

Exceedance level detections of metals were apparent in water samples collected from three of the seven sites listed above, two days prior to sediment sampling. Water sampling detections may be helpful in determining possible sources of sediment toxicity, but cannot be directly correlated to sediment toxicity, both because the timing of water and sediment sampling is different and the respective natures of the test matrices (and the types of constituents that they retain) are different as well. Metals found in the water column of a stream may not also reside in the sediment nor will all metals in the substrate necessarily be detected in the water column. As a result, constituents found in the water column can be used only as indications of what may be causing toxicity in the sediment, but cannot be directly attributed as a source of toxicity.

Copper was detected at exceedance levels (7.1 µg/L) at the Bear Creek @ Kibby Rd site in water samples collected on August 26, 2008. Copper is known to cause *Hyalella* toxicity at high concentrations in the sediment, however these water samples were analyzed for total metals which includes both particulate bound and dissolved compounds. Consequently it is unclear how much of the copper detected in the water column would be deposited in the sediment. Pesticide Use Reports (PUR) are not yet available for the month of August at the Bear Creek site, however it is unknown if pesticides applied in August would be responsible for sediment toxicity. Once data become available tables and maps of copper and other pesticide applications relevant to the sediment toxicity exceedances in this report will be provided with the ESJWQC Annual Monitoring Report (AMR) on March 1, 2009.

Arsenic was detected at exceedance levels (11 µg/L) at the Deadman Creek @ Hwy 59 sample site, and lead was detected at exceedance levels (0.72 µg/L) at the Duck Slough @ Hwy 99 site during the August 26, 2008 water sampling event. These exceedances may be relevant to the toxicity experienced in the sediment, however as mentioned previously, the analysis of total metals leaves some uncertainty as to what fraction of the measured concentrations would be deposited in the sediment.

There were no pesticide exceedances in water samples collected on August 20, 2008, however one detection of chlorpyrifos was measured at 0.015 µg/L (not above the water quality trigger limit). The physical characteristics of chlorpyrifos allow the pesticide to both partition to sediments and stay dissolved in the water column. As a result, this detection in the water column may be an indication of chlorpyrifos in the sediment, and a source of toxicity to *Hyalella*. PUR data are not yet available for the Deadman Creek site subwatershed. Once data become available, tables and maps of

chlorpyrifos and other pesticide applications relevant to the sediment toxicity in this report will be provided with the ESJWQC AMR on March 1, 2009.

Besides the exceedances and detections listed above, numerous metals (i.e. arsenic, boron, copper, nickel, lead, selenium and zinc) are commonly detected at low levels in water samples from all monitoring sites. If these metals also reside in the sediment, and especially if sediment-bound metals are at a higher concentration than in the surrounding water column, then they may also be contributing to the *Hyalella* toxicity at these sites. However most of these metals are not a result of current agricultural applications and may not be manageable by the Coalition.

For sites in which pesticides or metals were not detected in the water samples, PUR data should provide useful information as to any recent pesticide applications that may be relevant to the toxicity exceedances. As mentioned previously, PUR data relevant to each of these toxicities will be provided with the Coalition AMR on March 1, 2009.

### 3. Complete analytical results

The final report from the laboratory is too large to attach to this transmittal message and is posted to the MLJ-LLC Sharepoint website (<http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx>). This report includes all data for sediment toxicity provided to the Coalition by the analytical laboratory.

### 4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.

**Table 3.** Time Schedule

Action	Anticipated Completion Date
Obtain PURs	March 1, 2009
Contact Growers in Watersheds	December 2008
Perform Management Practices Survey	Complete (update to occur by 1/31/09)
Outreach/BMP Education	December 2008
Management Plan	April 1, 2009

Justification for dates:

**Obtain PURs** – PURs for all pesticide applications relevant to the sediment toxicity exceedances in this report will be provided with the Coalition AMR on March 1, 2009.

**Contact growers in the watersheds** – A summary of exceedances for each of the site subwatersheds will be provided to growers through the ESJWQC Annual Report. The Annual Report will go out to growers either by mail or at the Coalition Annual Meetings. Annual Meetings are scheduled for the month of December in Merced, Madera and Stanislaus Counties.

**Perform management practices survey** – Best Management Practices (BMP) surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the ESJWQC Semi-Annual Monitoring Report. As described in the ESJWQC Management Plan submitted on September 30, 2008, an updated Survey Summary Report will be submitted by January 31, 2009.

**Outreach/ BMP Education** – Coalition Annual Meetings are scheduled to occur in Merced, Madera and Stanislaus counties during the month of December, 2008. Coalition monitoring exceedances and management practices that are effective in reducing or eliminating exceedances (and toxicity) will be discussed.

**Management Plan** – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent (or toxicity more than once). This Management Plan will be submitted by April 1, 2009. Let us know if further explanation or documentation is necessary.

Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a large, looped initial "M".

Michael L. Johnson, Technical Program Manager

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**Sent: Wednesday, December 10, 2008 at 4:52 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Pesticide Communication Report - Irrigation5 2008

**Attachments:** ESJWQC\_08\_CR\_Pesticide\_Irrigation5\_121008\_final.doc

Dear Dania,

Attached is a Communication Report for pesticide exceedances during the fifth irrigation monitoring event on August 19, 2008. Please let us know if you have any questions on this report.

Sincerley,

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618

Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354  
[www.esjcoalition.org](http://www.esjcoalition.org)

December 10, 2008

Dania Huggins  
Irrigated Lands Conditional Waiver Program  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting a formal Communication Report for the pesticide exceedances reported on October 2, 2008 that have not yet been addressed in a Management Plan or previous Communication Report (see Table 1 below). Sampling occurred at these sites on August 19, 2008 during the fifth irrigation event of 2008. Only exceedances that occurred for the first time at a site are included in this report.

**Table 1.** ESJWQC pesticide exceedance in samples collected during the fifth irrigation monitoring event on August 19, 2008. The water quality trigger limit is listed below the constituent header.

Site Name	Sample Date	Sample Type	DDE	DDT	Malathion	Methyl parathion
			0.00059 µg/L	0.00059 µg/L	0 µg/L*	0 µg/L*
Highline Canal @ Lombardy Rd	8/19/2008	NM	0.0089J	0.018	0.14	0.18
Hilmar Drain @ Central Ave	8/19/2008	NM	0.0056J			
Prairie Flower Drain @ Crows Landing Rd	8/19/2008	NM			0.012	

\*Malathion and methyl parathion are prohibited discharge pesticides and any detection in the water column is considered an exceedance.

NM – Normal Monitoring

J – Between the minimum detection limit (MDL) and the reporting limit (RL) and therefore considered an estimate.

### 1. Follow-up monitoring and analyses conducted.

No follow-up sampling was conducted as a result of these pesticide exceedances. The sixth irrigation season sampling occurred at these sites on September 23, 2008 and

there were no pesticide exceedances in any samples collected during that monitoring event. Further discussion on the exceedances in this report is provided below.

## **2. Actions taken to identify the source of the exceedance.**

First-time exceedances of DDT and DDE were detected at two sites during this sampling event. Both DDE and DDT were detected at the Highline Canal @ Lombardy Rd site and DDE (only) was detected at the Hilmar Drain @ Central Ave site. DDE is a breakdown product of its parent compound, DDT; an organochlorine pesticide that was used abundantly in the past, but is not currently registered for agricultural use. This was the first DDE or DDT exceedance at the Highline Canal @ Lombardy Rd site; however exceedances of DDD have occurred in the past at the Hilmar Drain @ Central Ave site. Due to the long half-life of the constituent, DDT and its breakdown products are still found in Coalition water bodies. Current agricultural pesticide applications are not the source of these exceedances and Pesticide Use Report (PUR) data will not be evaluated to follow-up on this exceedance. If additional exceedances of DDT or its breakdown products occur at either of these sites, then the exceedances will be addressed through actions stated in the Coalition Management Plan.

During this sampling event, the organophosphate pesticides, malathion and methyl parathion, were detected for the first time at the Highline Canal @ Lombardy Rd sample site. Malathion was also detected for the first time at the Prairie Flower Drain @ Crows Landing Rd site. Both malathion and methyl parathion are prohibited discharge pesticides and therefore any detection in a water sample is considered an exceedance. Malathion is predominantly used on alfalfa, field crops, walnut orchards, and for structural pest control (in California). Methyl parathion is also an organophosphate insecticide and is used in California on walnuts, corn, onions and wine grapes. Both of these pesticides are known to be toxic to *Ceriodaphnia dubia*; however there was no toxicity detected in these samples. PUR data for the months of July and August are not yet available from the Merced County Agricultural Commissioner's Office. Once the data become available, pesticide use relevant to these exceedances will be summarized in the Coalition Annual Monitoring Report (AMR) on March 1, 2009. If an additional exceedance of malathion or methyl parathion are detected at either of these sites, then actions will be taken to address the exceedances in the Coalition Management Plan.

## **3. Complete analytical results**

Analytical results for this exceedance are available on the MLJ-LLC Sharepoint website (<http://sharepoint.mlj-llc.com/mlj-bd/database/forms/allitems.aspx>). These results include all organochlorine and organophosphate data reports for this monitoring event provided to the Coalition by the analytical laboratory. QC and calibration data are included in the data reports.

**4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

**Table 2.** Time Schedule

<b>Action</b>	<b>Anticipated Completion Date</b>
Obtain PURs	March 1, 2009
Contact Growers in Watersheds	December 2008
Perform Management Practices Survey	Complete (update to occur by 1/31/09)
Outreach/BMP Education	December 2008
Management Plan	April 1, 2009

Justification for dates:

**Obtain PURs** – PURs for malathion and methyl parathion applications that occurred prior to the exceedance in the site subwatershed will be provided with the Coalition AMR on March 1, 2009.

**Contact growers in the watersheds** – A summary of exceedances for each of the site subwatersheds will be provided to growers through the ESJWQC Annual Report. The Annual Report will go out to growers either by mail or at the Coalition Annual Meetings. Annual Meetings are scheduled for the month of December in Merced, Madera and Stanislaus Counties.

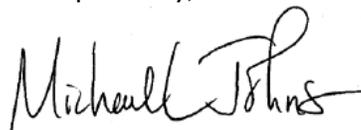
**Perform management practices survey** – Best Management Practices (BMP) surveys have been provided to growers through mailings and at grower meetings. Results from these surveys were compiled and provided with the ESJWQC Semi-Annual Monitoring Report. As described in the ESJWQC Management Plan submitted on September 30, 2008, an updated Survey Summary Report will be submitted by January 31, 2009.

**Outreach/ BMP Education** – Coalition Annual Meetings are scheduled to occur in the counties of Merced, Madera and Stanislaus during the month of December, 2008. Coalition monitoring exceedances and management practices that are effective in reducing or eliminating exceedances will be discussed.

**Management Plan** – An updated Management Plan will be submitted for all subwatersheds that have experienced two or more exceedances in one constituent. This Management Plan will be submitted by April 1, 2009.

Let us know if further explanation or documentation is necessary.

Respectfully,



Michael L. Johnson, Technical Program Manager

**Sent: Thursday, December 11, 2008 at 4:36 PM**

**From:** K Callinan <kcallinan@mlj-llc.com>

**To:** Dania Huggins <dhuggins@waterboards.ca.gov>

**Cc:** Parry Klassen [pklassen@unwiredbb.com](mailto:pklassen@unwiredbb.com), Mike Johnson [mjohnson@mlj-llc.com](mailto:mjohnson@mlj-llc.com), Melissa Turner <mturner@mlj-llc.com>, Francisca Johnson [fjohnson@mlj-llc.com](mailto:fjohnson@mlj-llc.com), Lara Reising [ltreising@gmail.com](mailto:ltreising@gmail.com), K Callinan <kcallinan@mlj-llc.com>

**Subject:** Field Communication Report - Irrigation Sediment RS 2008

**Attachments:** ESJWQC\_08\_CR\_Field\_Irrigation\_SedimentRS\_121108.doc

Dear Dania,

Attached is a Communication Report for one pH exceedance experienced during the irrigation sediment resampling event on October 2, 2008. Please let us know if you have any questions on this report.

Sincerely,

Krista

--

Krista Callinan  
Environmental Specialist  
Michael L. Johnson LLC  
1490 Drew Ave, Suite 175  
Davis, CA 95618  
Tel: 530-756-5200  
Fax: 530-756-5225  
[kcallinan@mlj-llc.com](mailto:kcallinan@mlj-llc.com)

## East San Joaquin Water Quality Coalition

1201 L Street  
Modesto, CA 95354

[www.esjcoalition.org](http://www.esjcoalition.org)

December 11, 2008

Dania Huggins  
Irrigated Lands Conditional Waiver Program  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Dania,

We are submitting the formal Communication Report for one field parameter exceedance that occurred during sediment resampling (RS) on October 2, 2008 (see Table 1 below). Only the exceedance that was experienced for the first time at the sample site is included in this report.

**Table 1.** Field exceedance detected in receiving waters on October 2, 2008 during sediment resampling.

Sample Site	Sample Date	Sample Type	pH (pH units)
Silva Drain @ Meadow Drive	10/2/08	Sediment RS	8.51

### 1. Follow-up monitoring and analyses conducted.

Follow-up sampling for field parameter exceedances did not occur at this site. However, field parameters have been measured again at this site during the October and November normal monitoring events and there were no additional pH exceedances detected at this site. The lack of persistence of the exceedance at Silva Drain indicates that the basic pH detected was due to temporary conditions in the water body. If this exceedance is experienced a second time, it will then be addressed in the management plan for that site.

### 2. Actions taken to identify the source of the exceedance.

#### pH

pH dynamics in surface waters are not well understood and can vary diurnally with photosynthetic rates and changes in the concentration of CO<sub>2</sub> and O<sub>2</sub> in the water. Control of pH in surface waters is a function of the balance between the buffering

capacity of the water, inputs of organic acids from soil leaching, and the relative amount of photosynthesis. The pH of 8.51 is .01 pH units above the water quality trigger limit and the level of accuracy of the pH meter the Coalition uses for its measurements is  $\pm$  0.2 pH units.

### **3. Complete analytical results**

Complete analytical results in the form of field sheets in pdf format are too large to send by email with this report, but can be provided upon request.

### **4. Time schedule to identify and implement the Management Practice Effectiveness evaluation.**

Because this exceedance was detected for the first time at this site and may be due to natural fluctuations in the creek, no follow-up actions will be taken to address this exceedance at this time. If a second exceedance of pH is detected at the Silva Drain sample site, then the exceedance will be addressed in a Management Plan for the site subwatershed.

Let us know if further explanation or documentation is necessary.

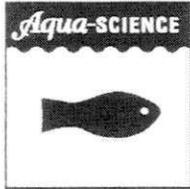
Respectfully,

A handwritten signature in black ink that reads "Michael L. Johnson". The signature is written in a cursive style with a vertical line to its right.

Michael L. Johnson, Technical Program Manager

**Appendix VI**

**Toxicity Identification Evaluation Report**



## ENVIRONMENTAL TOXICOLOGY SPECIALISTS

### **Identification of Causes of Toxicity to *Ceriodaphnia dubia* and Green Algae (*Selenastrum capricornutum*) in Agriculture-Dominated Discharge Samples from the East San Joaquin Water Quality Coalition - Irrigation 2008**

#### ***FINAL REPORT***

#### ***Submitted to:***

Michael L. Johnson LLC  
Ecosystems Consulting  
1490 Drew Ave., Suite 175  
Davis, CA. 95618

#### ***Submitted by:***

***AQUA-Science***  
*17 Arboretum Drive*  
*Davis, CA 95616*

**February 6, 2009**

# Identification of Causes of Toxicity to *Ceriodaphnia dubia* and Green Algae (*Selenastrum capricornutum*) in Agriculture-Dominated Discharge Samples from the East San Joaquin Water Quality Coalition - Irrigation 2008

## 1.0 EXECUTIVE SUMMARY

A total of 149 samples of agriculturally-dominated discharge, collected from within the boundaries of the East San Joaquin Water Quality Coalition during six irrigation test events from April through September 2008. Water samples were screened for toxicity to green algae (*Selenastrum capricornutum*), the invertebrate *Ceriodaphnia dubia*, and/or larval fathead minnows (*Pimephales promelas*). Toxicity was detected in 22 of 133 algae tests (17%), 2 of 140 *C. dubia* tests (1.4%), and 1 of 130 fathead minnow tests (0.8%). Samples that produced  $\geq 50\%$  effect on the test species were subjected to Phase I Toxicity Identification Evaluations (TIEs) to identify chemical class of the toxicant(s) responsible for the toxicity with the exception of two samples. In April, Deadman's Creek @ Hwy 59 and Duck Slough @ Hwy 99 both had a  $>50\%$  toxic effect in algae cell growth in the resamples collected due to toxicity in the original sample. Phase I algae TIEs were scheduled for the resamples, but due to lab technician error the samples were discarded prior to the TIE initiation. Thus, Phase I TIEs were conducted on 10 samples that caused algal chronic toxicity and 1 sample that caused acute *C. dubia* toxicity. The algae Phase I TIEs identified non-polar organic chemicals (NPOs) plus cationic metals toxicity in 5 samples (Prairie Flower Drain @ Crows Landing Rd, Cottonwood Creek @ Road 20, Miles Creek @ Reilly Rd, South Slough @ Quinley Rd, and Hatch Drain @ Tuolumne Rd), while toxicity was not detected in the TIEs with the remaining 5 samples. Algae Phase III TIEs on these samples indicated that concentrations of the cationic metals nickel, copper, and particularly zinc were sufficient to contribute to the algal toxicity exhibited by each of the five samples evaluated. The herbicides diuron and paraquat were detected at toxic concentrations in the Cottonwood Creek and Miles Creek samples, respectively. No analytical chemistry information was available for the Hatch Drain sample since it was collected as a resample due to toxicity at Hatch Drain on April 22, 2008. The *C. dubia* Phase I TIE indicated that metabolically-activated organophosphate insecticides (OPs) were the cause of toxicity in the Silva Drain @ Meadow Rd sample. The *C. dubia* Phase III TIE on this sample confirmed that the OP insecticide, chlorpyrifos, was responsible for the toxicity (5.2 TUa) detected in the sample. Overall, the Phase III TIE analyses were consistent with the Phase I TIE results for both algae and *C. dubia*.

## 2.0 INTRODUCTION

AQUA-Science (A-S) was retained by MLJ-LLC (Davis, CA) to conduct aquatic toxicity tests and toxicity identification evaluations (TIEs) on samples collected from the East San Joaquin Water Quality Coalition (ESJWQC) in response to monitoring requirements of the Conditional Waiver of Waste Discharge for Irrigated Lands (Ag Waiver). A total of 149 samples collected

during six irrigation test events (April through September 2008) were tested using three-species toxicity tests with the cladoceran (*Ceriodaphnia dubia*), green algae (*Selenastrum capricornutum*), and larval fathead minnows (*Pimephales promelas*). TIEs were conducted on 10 samples with algae and 1 sample with *C. dubia* which demonstrated a  $\geq 50\%$  effect on the test species endpoint. Results of these analyses are reported herein.

### 3.0 MATERIALS AND METHODS

#### 3.1 Test Events

Samples were collected during the 2008 irrigation season (April through September 2008) including Management Plan Monitoring (MPM). The number of samples collected in each event is shown below:

<i>Sample Date</i>	<i>Test Event</i>	<i>No. Samples/Species</i>
4/22/08	ESJ 08-03A	22 <i>Ceriodaphnia</i>
4/29/08	ESJ 08-03B	22 fathead minnow 22 algae
5/7/08	ESJ 08-04MPM	24 <i>Ceriodaphnia</i>
5/20/08	ESJ 08-04A	22 fathead minnow
5/27/08	ESJ 08-04B	21 algae
6/3/08	ESJ 08-05MPM	23 <i>Ceriodaphnia</i>
6/17/08	ESJ 08-05A	23 fathead minnow
6/24/08	ESJ 08-05B	22 algae
7/8/08	ESJ 08-06MPM	25 <i>Ceriodaphnia</i>
7/22/08	ESJ 08-06A	23 fathead minnow
7/29/08	ESJ 08-06B	26 algae
8/5/08	ESJ 08-07MPM	23 <i>Ceriodaphnia</i>
8/19/08	ESJ 08-07A	21 fathead minnow
8/26/08	ESJ 08-07B	22 algae
9/9/08	ESJ 08-08MPM	23 <i>Ceriodaphnia</i>
9/23/08	ESJ 08-08A	19 fathead minnow
9/30/08	ESJ 08-08B	20 algae
	<b>Total</b>	<b>140 <i>Ceriodaphnia</i></b> <b>130 fathead minnow</b> <b>133 algae</b>

### 3.2 Test Samples

Test samples (4 gallon/site) were subsurface grabs obtained by MLJ-LLC sampling personnel under the direction of Dr. Mike Johnson. Sample name and GPS coordinates of the sample sites are shown in Table 1. Field measurements included temperature, dissolved oxygen (DO), pH, conductivity, and flow. Samples were placed in ice chests with sufficient wet ice to maintain sample temperature at  $\leq 6$  °C. Upon arrival at A-S, temperature, DO, conductivity, hardness, alkalinity, and pH were measured. Samples were stored in the dark at 4 °C until tested, within 24 hours of collection.

**Table 1. ESJ Sample Information**

<i>Site Name</i>	<i>Site ID</i>	<i>GPS Coordinates</i>
Ash Slough @ Ave 21 <sup>a</sup>	545XASAAT	37.05448, -120.41575
Bear Creek @ Kibby Rd	535XBCAKR	37.31280, -120.41378
Berenda Slough along Ave 18 ½ <sup>a</sup>	545XBSAAE	37.01820, -120.32650
Berenda Slough @ Rd 19	545XBSARN	37.12140, -120.20206
Black Rascal Creek @ Yosemite Rd	535BRCAYR	37.33208, -120.39469
Cottonwood Creek @ Rd 20	545XCCART	36.86860, -120.18180
Deadman's Creek @ Gurr Rd	535XDCAGR	37.19356, -120.56124
Deadman's Creek @ Hwy 59	535DMCAHF	37.19810, -120.48690
Dry Creek @ Rd 18	545XDCARE	36.98180, -120.22056
Dry Creek @ Waterford Rd	535XDCWF	37.65876, -120.77887
Dry Creek @ Wellsford Rd	535XDCAWR	37.66017, -120.87432
Duck Slough @ Gurr Rd	535XDSAGR	37.21423, -120.55958
Duck Slough @ Hwy 59	535XDSEFN	37.23447, -120.48810
Duck Slough @ Hwy 99	535XDSAHN	37.25017, -120.41001
Hatch Drain @ Tuolumne Rd	535XHDATA	37.51487, -121.01221
Highline Canal @ Hwy 99	535XHCHNN	37.41530, -120.75570
Highline Canal @ Lombardy Ave	535XHCALR	37.45560, -120.72071
Hilmar Drain @ Central Ave	535XHDAKA	37.39058, -120.95820
Hilmar Drain @ Mitchell Rd	535XHDAMR	37.39068, -120.94087
Livingston Drain @ Robin Ave	535XLDARA	37.31693, -120.74229
Merced River @ Santa Fe	535XMRSFD	37.42714, -120.67208
Miles Creek @ Reilly Rd	535XMCARR	37.25821, -120.47546
Mustang Creek @ East Ave <sup>a</sup>	535XMCAEA	37.49180, -120.68390
North Slough @ Hwy 59 <sup>a</sup>	535XNSHFN	37.22771, -120.48800

**Table 1. ESJ Sample Information (continued)**

<i>Site Name</i>	<i>Site ID</i>	<i>GPS Coordinates</i>
Prairie Flower Drain @ Crows Landing Rd	535XPFDCL	37.44220, -121.00236
Prairie Flower Drain @ Morgan Rd	535XPFDMR	37.43785, -120.97566
Reclamation Drain @ Williams Ave	535XRDAWA	37.39072, -120.94085
Silva Drain @ Meadow Dr	535XSDAMD	37.42919, -120.62605
South Slough @ Quinley Rd	535XSSAQR	37.26983, -120.59711
Westport Drain @ Vivian Rd	535XWDAVR	37.53682, -121.04861

a Samples from the indicated sites were never collected since the site was dry during the entire collection period

### 3.3 Toxicity Test Protocols

The 96-hour acute *C. dubia* and 96-hour acute fathead minnow toxicity tests were conducted in accordance with the U.S. Environmental Protection Agency (USEPA) 5<sup>th</sup> edition protocol (USEPA 2002a). The 96-hour chronic algal toxicity tests were conducted in accordance with the USEPA 4<sup>th</sup> Edition protocol (USEPA 2002b). Control water for the toxicity tests and TIEs was reverse osmosis and granular carbon-treated well water amended with dry salts to attain USEPA moderately hard specifications (EPAMH).

### 3.4 Algae Toxicity Tests

Algal toxicity tests were conducted in 4 replicates of 125-mL flasks containing 50-mL of test sample filtrate (0.45 µm). A fifth replicate was used as a surrogate for daily water quality measurements. The flasks, containing algal assay media without EDTA, were inoculated with  $1 \times 10^4$  cells/mL of a 2-4 day-old culture of *S. capricornutum* (University of Texas Algae Type Collection, Austin, TX) in log phase growth. A sixth replicate was tested without algae inoculate to confirm that absence of indigenous algae. This replicate was also used as a sample blank and for water quality measurements. Flasks were placed on a shaker table (100 rpm) in an environmental chamber at  $25 \text{ }^\circ\text{C} \pm 2 \text{ }^\circ\text{C}$  with continuous lighting ( $400 \pm 40 \text{ fc}$ ) and were randomized twice daily. After the 96-hour test period, the absorbance was measured with a spectrophotometer at 750 nm (Model DR2800, Hach Co., Loveland, CO). The absorbance units were corrected to cell number using a calibration curve as follows:

$$\text{cell number} = (\text{absorbance units @ 750 nm} \times 13.026) - 0.0328 \quad (R^2 = 0.9995)$$

Using this conversion, the test was acceptable if the mean algal density in the control flasks was greater than or equal to  $2 \times 10^5$  cells/mL and the coefficient of variation in the control replicates was  $\leq 20\%$ .

### 3.5 *Ceriodaphnia dubia* Toxicity Tests

*C. dubia* 96-hour acute toxicity tests were initiated with < 24 hour old neonates collected from in-house cultures. Each sample was tested using four replicates of 5 neonates each in a 20-mL glass scintillation vials containing 18-mL of test solutions. Test duration was 96 hours, and test solutions were renewed daily. *C. dubia* were fed a mixture of green algae (*S. capricornutum*) and YTC (a mixture of yeast, organic alfalfa and trout chow) 4 hours prior to 24-hour test solution renewal. Tests were conducted at  $25 \pm 2$  °C with a 16 hour light:8 hour dark photoperiod. Mortality was noted daily. The test was acceptable if control survival was  $\geq 90\%$ .

### 3.6 Fathead Minnow Toxicity Tests

Fathead minnows were obtained from Aquatox, Inc. (Hot Springs, AK), and were maintained in EPA moderately hard (EPAMH) water until tested at 6-10 days old. Each test sample was tested using 4 replicates of 10 fish each in 400 mL glass beakers containing 250 mL of test solutions. Test duration was 96 hours and test solutions were renewed daily. Fish were fed *Artemia* nauplii 4 hours prior to daily sample renewal. Tests were conducted at  $25 \pm 2$  °C with a 16 hour light:8 hour dark photoperiod. Mortality was noted daily. The test was acceptable if control survival was  $\geq 90\%$ .

### 3.7 Statistical Analysis

Each test sample was subjected to statistical analysis using ToxCalc v. 5.23 (Tidepool Scientific, McKinleyville, CA, USA) according to USEPA procedures (USEPA 2002a,b) to determine if the observed effect was statistically different ( $p < 0.05$ ) from the control. In the TIEs, mortality data from the dilution series tests were used to estimate EC<sub>50</sub> values, e.g., the calculated concentration of the test sample that results a 50% effect on the test endpoint, respectively. Toxic units (TUs) were calculated from the EC<sub>50</sub> values ( $100/EC_{50}$ ). *Note that throughout this document, the term "EC" represents EC, IC or LC, as appropriate.*

### 3.8 Chemical Analysis

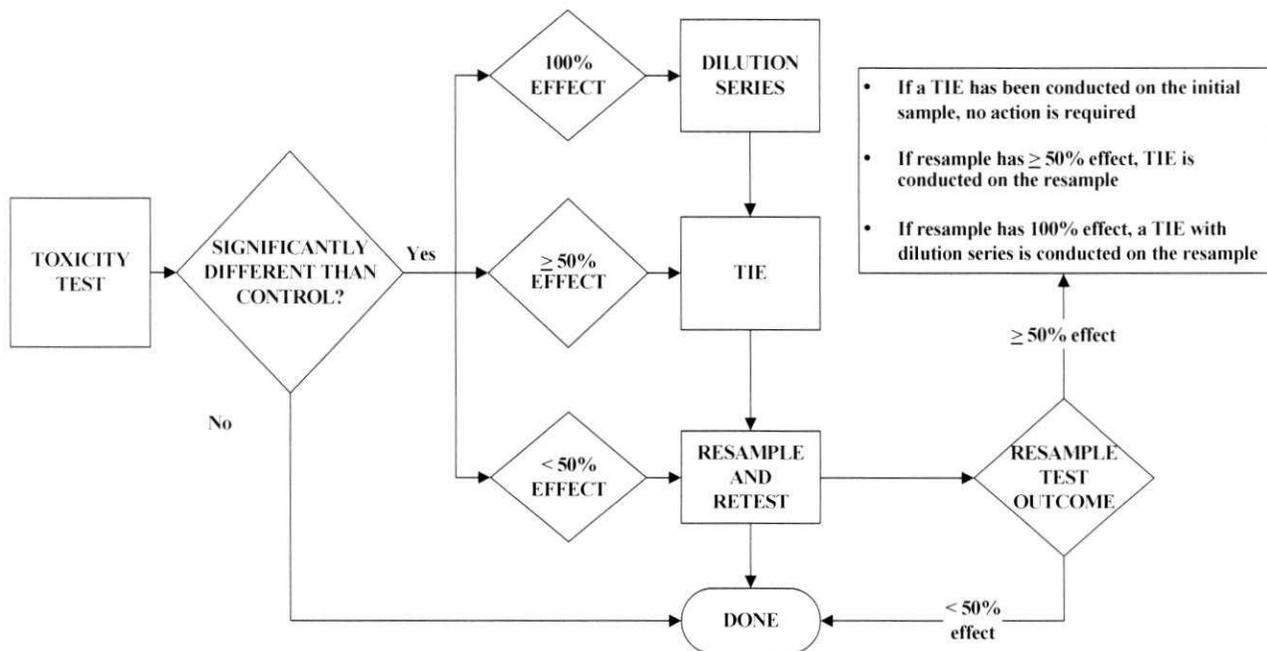
During irrigation monitoring events (not retesting/resampling events) water samples were collected for chemical analysis of five major groups of pesticides (pyrethroids, organochlorines, organophosphates, triazines, and carbamates) plus glyphosate and paraquat dichloride. The ESJWQC Quality Assurance Program Plan (QAPP) includes a list of all 39 pesticides that are analyzed, associated analytical methods, collection containers, reporting limits and hold times. In addition, total metals were analyzed (arsenic, boron, cadmium, copper, lead, nickel, selenium and zinc) using inductively coupled argon plasma-mass spectrometry analysis (EPA 200.8). All samples were collected as outlined in the ESJWQC QAPP meeting all quality assurance requirements. Retesting or resampling was conducted if toxicity occurred to test for persistence as required by the Ag Waiver. Since these samples were collected for the testing of persistence,

no additional water was collected for chemistry analysis. In addition, Management Plan Monitoring was conducted at some sites for toxicity as outlined in the ESJWQC Management Plan. Depending on the Management Plan schedule, this may or may not have corresponded with specific chemistry analysis.

### 3.9 Retesting and Toxicity Identification Evaluation (TIE) Requirements

Figure 1 depicts the retesting and TIE requirements. Briefly, if the sample shows no significant effect, no further action is required. If the sample is significantly different from the control but <50% effect, then the site must be resampled and retested. If there is a  $\geq 50\%$  effect, a TIE is initiated on the toxic sample, and the site must be resampled and retested. If there is a 100% effect, the TIE must incorporate a dilution series toxicity test. If a retest sample exhibits <50% effect, no further action is required. If there is a  $\geq 50\%$  effect in a retest, and a TIE was not conducted on the original sample, then a TIE must be initiated on the retest sample. If the retest sample has 100% effect, the TIE must also incorporate a dilution series. Two resamples, Deadman’s Creek @ Hwy 59 and Duck Slough @ Hwy 99, collected on April 29, 2008 exhibited <50% effect (the original sample did not) and a TIE was not run due to laboratory miscommunication.

Figure 1. Retesting and Toxicity Identification Evaluation (TIE) Requirements.



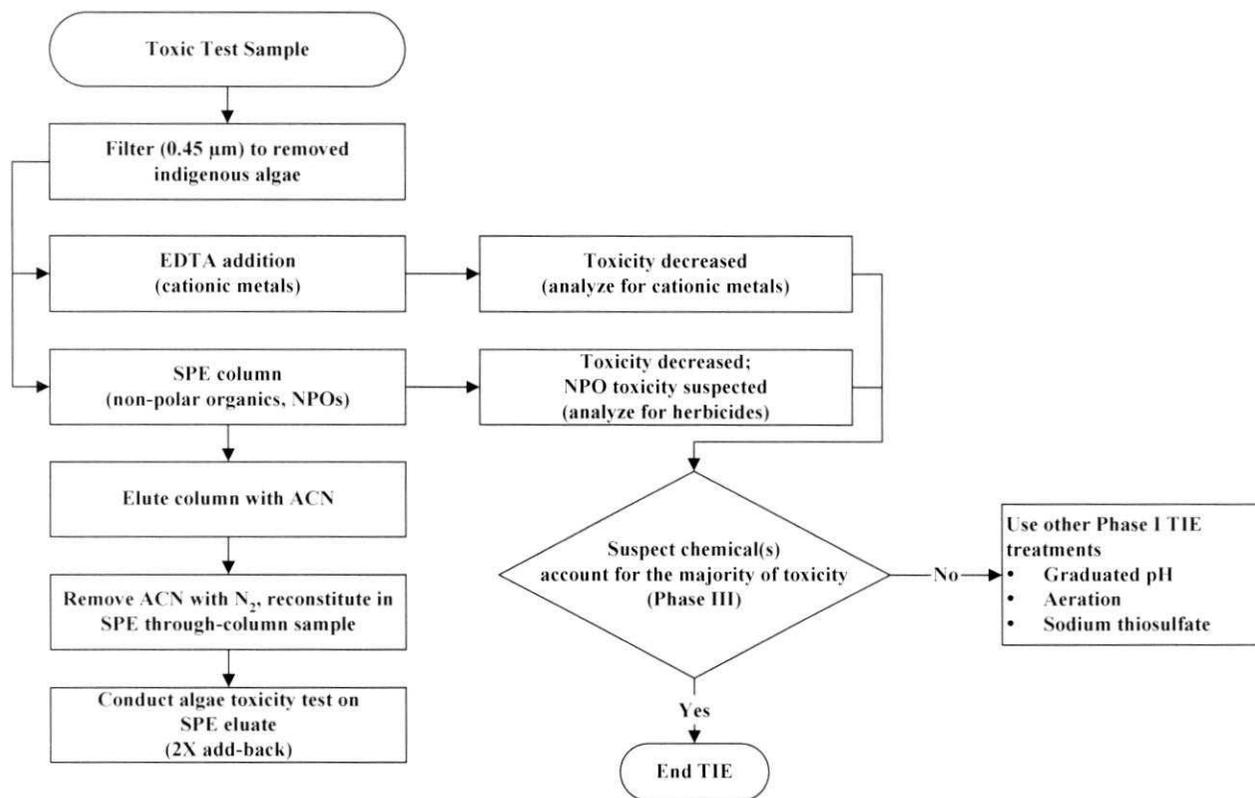
### 3.10 Toxicity Identification Evaluations (TIEs)

The purpose of the Phase I TIE is to identify the chemical class of the toxicant(s) in the test sample (USEPA 1991). The purpose of the Phase II TIE is to gain the identity of the material(s) responsible for the sample toxicity (USEPA 1993a). The purpose of the Phase III TIE is to determine if there is a robust relationship between the concentrations of the suspected toxicant(s) identified, and the amount of toxicity measured in the test sample (USEPA 1993b).

#### 3.10.1 Algae Phase I TIEs

Algae Phase I TIEs included a baseline toxicity test, solid phase extraction (SPE) column treatment to identify non-polar organic chemicals (NPOs), ethylenediamine tetrachloroacetic acid (EDTA) addition to identify cationic metal toxicity, and EDTA addition to SPE-treated sample to determine the interaction between cationic chemicals and NPOs. The SPE column was eluted three times with 1-mL of acetonitrile (ACN), which was blown to dryness using a gentle stream of nitrogen. The ACN was removed from the eluate because algae are affected by even low concentrations of organic solvent (Miller et al, 2005). The eluate residue was reconstituted in the SPE through-column sample and added back to the sample at 2X. The algae Phase I TIE flow chart is shown in Figure 2 (Miller et al, 2005).

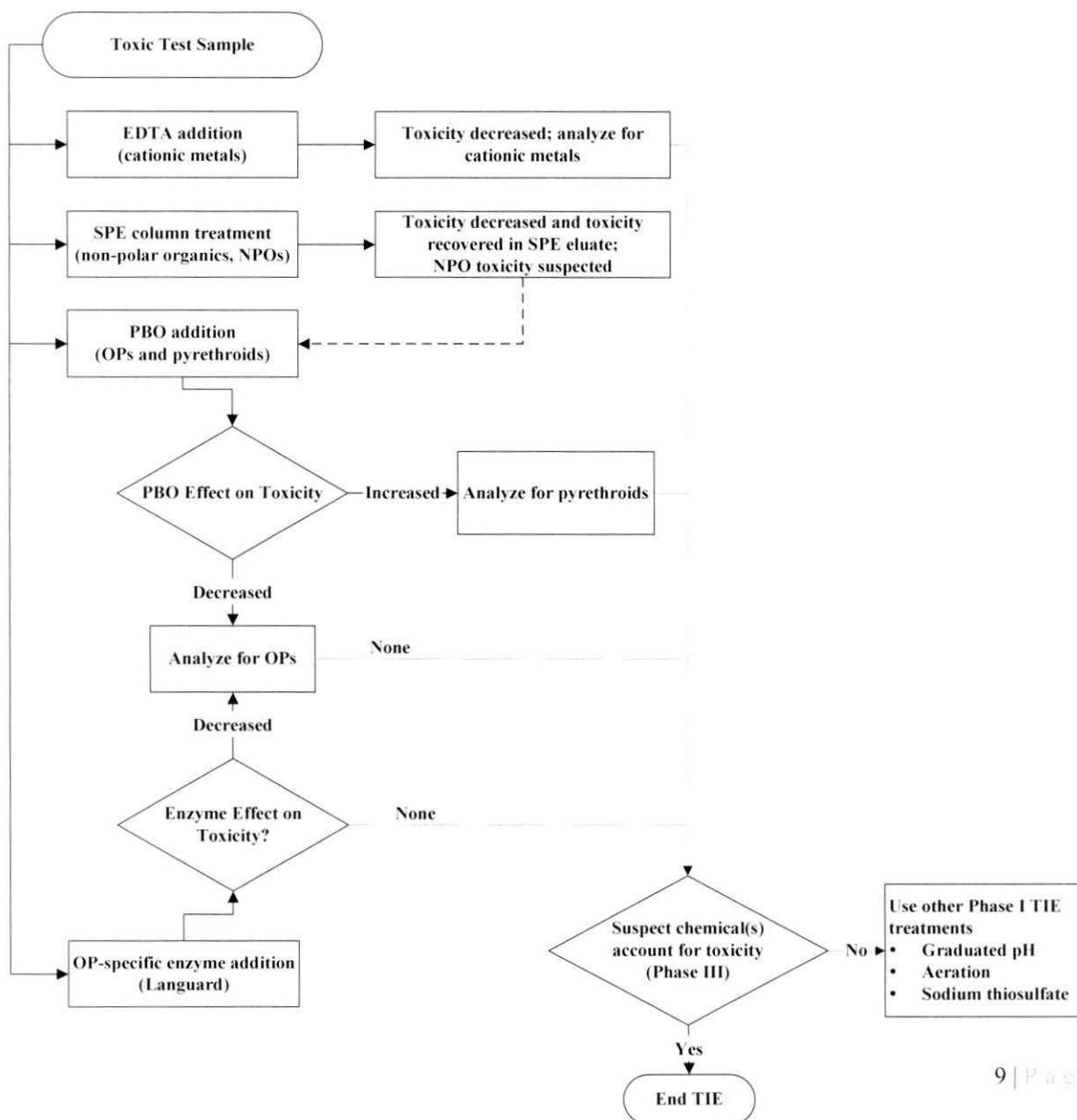
Figure 2. Phase I TIE Flowchart Modified for Algae.



### 3.10.2 *C. dubia* Phase I TIEs

The Phase I *C. dubia* TIEs incorporated the same series of treatments as the algae, with the addition of a piperonyl butoxide (PBO) treatment. PBO binds *in vivo* with mixed-function oxidase enzymes that metabolize non-polar organic chemicals such as organophosphorous (OP) and pyrethroid insecticides. With OPs, PBO prevents the metabolism to their toxic oxone form, decreasing/preventing toxicity (Ankley et al, 1991). With pyrethroids, PBO prevents metabolism to less toxic forms, increasing/prolonging toxicity (Wheelock et al, 2004). In some cases, an OP-specific enzyme (Landguard™, Orica Watercare, Watkins, CO) was added to the test sample. Removal or decreased toxicity after addition of this enzyme was further evidence that the toxicity was caused by OP insecticide(s). The *C. dubia* Phase I TIE flow chart is shown in Figure 3.

**Figure 3. Phase I TIE Flowchart for *C. dubia*.**



### 3.10.3 Phase III TIEs

In the Phase III TIE, the sample toxic units (TUs;  $100/EC_{50}$ ) measured in the dilution series toxicity test is compared with the TU calculated from the detected concentration of the suspect toxicants (predicted TUs = measured conc ( $\mu\text{g/L}$ )/suspect chemical  $EC_{50}$ ) (USPEA 1993b). If more than one suspect toxicant was present, the TUs were summed if there was evidence that they act jointly, e.g., diazinon and chlorpyrifos (Bailey et al, 1997). Although the USEPA TIE guidance has not established a minimum level of agreement between measured TU and predicted TU in a sample, these values should correlate, or the sample should be subjected to further Phase II TIE evaluation to identify additional toxicant(s).

## 4.0 RESULTS

### 4.1 Phase I TIEs Results

Phase I TIEs were conducted on samples that demonstrated  $\geq 50\%$  effect on the endpoint. TIE results for algae and *C. dubia* are summarized in Table 2 and Table 3, respectively.

TIEs on the Hilmar Drain @ Central Ave. and Bear Creek @ Kibby Rd. Irrigation 1 samples did not detect toxicity in the baseline tests. Therefore, the cause(s) of the algae toxicity exhibited in the initial algae bioassays could not be determined. In the TIEs on the remaining samples in the Irrigation 1 event, toxicity was eliminated with EDTA addition, a characteristic of cationic chemical toxicity, particularly with divalent metals. In addition, the toxicity in each of the samples was either reduced or eliminated completely with SPE column treatment, a characteristic of NPO toxicity. However, no toxicity was detected in the SPE column eluates from the samples. EDTA addition to the SPE-treated samples also reduced or eliminated the toxicity, indicating that both cationic metals and NPOs contributed to the toxicity of each of the samples.

The chronic algae TIEs did not detect toxicity in the Hatch Drain @ Tuolomne Rd. and Hilmar Drain @ Mitchell Rd. Irrigation 4 baseline samples, or in the Hatch Drain @ Tuolomne Rd. Irrigation 5 baseline sample. Therefore, the cause(s) of the algae toxicity exhibited in the initial algae bioassays could not be determined.

In the acute *C. dubia* TIE on the Silva Drain @ Meadow Rd. Irrigation 4 sample, toxicity was eliminated by SPE column treatment, a characteristic of NPO toxicity. Toxicity was unaffected by EDTA addition, indicating that cationic metals were not a cause of toxicity. Furthermore, the toxicity in the sample was eliminated by PBO treatment and the OP insecticide-specific enzyme (Landguard™). The TIE results strongly implicate OP insecticide(s) as the cause of the toxicity.

**Table 2. Summary of Chronic Phase I Algae TIE**

Sampling Event (Sample Date) TIE Date	Test Sample (Sample ID)	% Inhibition of Algal Growth	Toxicity Reduced or Eliminated by TIE Treatment				Suspected Toxicants			App. No.
			SPE Column <sup>a</sup>	SPE Column Add-Back <sup>b</sup>	EDTA Addition <sup>c</sup>	SPE + EDTA <sup>d</sup>	NPOs	Metals	Unknown	
Irrigation 1 (4/22/08) 5/10/08	Hilmar Drain @ Central Ave (535XHDACA)	No toxicity detected in TIE	n/a <sup>e</sup>	n/a	n/a	n/a	--	--	--	I
	Prairie Flower Drain @ Crows Landing Rd (535XPFDCI)	17%	Yes	No	Yes	Yes	√	√	--	
Irrigation 1 (4/29/08) 5/13/08	Cottonwood Creek @ Rd 20 (545XCCART)	97%	Yes	No	Yes	Yes	√	√	--	II
	Miles Creek @ Reilly Rd (535XMCARR)	46%	Yes	No	Yes	Yes	√	√	--	
	South Slough @ Quinley Rd (535XSSAQR)	97%	Yes	No	Yes	Yes	√	√	--	
	Bear Creek @ Kibby Rd (535XBCAKR)	No toxicity detected in TIE	n/a	n/a	n/a	n/a	--	--	--	
	Hatch Drain @ Tuolumne Rd (535XHDATR-RS)	85%	Yes	No	Yes	Yes	√	√	--	
	Hatch Drain @ Tuolumne Rd (535XHDATR)	No toxicity detected in TIE	n/a	n/a	n/a	n/a	--	--	--	III
Irrigation 4 (7/22/08) 7/29/08	Hilmar Drain @ Mitchell Rd (535XHDAMR)	No toxicity detected in TIE	n/a	n/a	n/a	n/a	--	--	--	IV

**Table 2. Summary of Chronic Phase I Algae TIE (continued)**

Sampling Event (Sample Date) TIE Date	Test Sample (Sample ID)	% Inhibition of Algal Growth	Toxicity Reduced or Eliminated by TIE Treatment				Suspected Toxicants			App. No.
			SPE Column <sup>a</sup>	SPE Column Add-Back <sup>b</sup>	EDTA Addition <sup>c</sup>	SPE + EDTA <sup>d</sup>	NPOs	Metals	Unknown	
Irrigation 5 (8/19/08) 8/26/08	Hatch Drain @ Tuolumne Rd (535XHDATR)	No toxicity detected	n/a	n/a	n/a	n/a	--	--	--	V

- a Sample treated with C-8 solid-phase (SPE) extraction column
- b SPE column eluted and the eluate added back to the SPE through-column sample
- c Sample amended with ethylenediaminetetraacetic acid (EDTA)
- d EDTA added to the SPE through-column treatment
- e n/a = not applicable since no toxicity was detected in the baseline test
- f NPOs = non-polar organic chemicals

**Table 3. Summary of Acute Phase I C. dubia TIE**

Sampling Event (Sample Date) TIE Date	Test Sample (Sample ID) Sample Date (TIE Date)	Baseline Toxicity <sup>a</sup> (TUa)	Toxicity Reduced or Eliminated by TIE Treatment				Suspected Toxicants			App.No.	
			SPE Column <sup>b</sup>	SPE Column Add-Back <sup>c</sup>	PBO Addition <sup>d</sup>	OP Enzyme <sup>e</sup>	EDTA Addition <sup>f</sup>	OPs <sup>g</sup>	Metals		Unknown
Irrigation 4 (7/22/08) 7/24/08	Silva Drain @ Meadow Rd (535XSDAMD)	5.2	Yes	No	Yes	Yes	No	No	√	--	VI

- a Toxicity of baseline TIE sample (TUa = 100/EC<sub>50</sub>)
- b Sample treated with C-8 solid-phase (SPE) extraction column
- c SPE column eluted and the eluate added back to the SPE through-column sample
- d Sample amended with piperonyl butoxide (PBO)
- e Sample amended with ethylenediaminetetraacetic acid (EDTA)
- f Landguard™ hydrolyzes OP insecticides, including chlorpyrifos
- g OP = metabolically-activated organophosphate insecticides (OP insecticides)

## 4.2 Phase III TIEs

The purpose of the Phase III TIE is to determine if the suspect toxicant(s) account for the majority of toxicity detected in the sample. Information required to conduct the Phase III TIE process include: (a) TUA detected in the Phase I TIE baseline, if applicable, (b) concentration(s) of the suspect toxicant(s) detected in the sample, and (c) EC<sub>50</sub> values for the suspect toxicant(s). In addition, the chemicals detected in the samples must be consistent with the Phase I TIE results. If any of this information is missing, the Phase III TIE analysis cannot be conducted. Results of the algae and *C. dubia* Phase III TIEs are summarized in Table 4A and 4B, respectively.

**Table 4A. Summary of Algae Phase III TIE Analyses.**

<i>Sample No. (Sample ID) Sample Date</i>	<i>% Inhibition of Algal Growth</i>	<i>Phase I Results<sup>a</sup></i>	<i>Chemicals Detected</i>	<i>Conc. (µg/L)</i>	<i>EC<sub>50</sub><sup>b</sup></i>	<i>Pred. TUc<sup>c</sup></i>	<i>Total Pred. TUc<sup>d</sup></i>	<i>Comments</i>
Prairie Flower Drain @ Crows Landing Rd (535XPFDCCL) 4/22/08	17%	NPOs & metals	Arsenic	8.4	690	e	Total metals = 1.3 TUc	Copper, nickel and zinc present at toxic concentrations
			Boron	390	15400	e		
			Copper	11	30	0.4		
			Lead	0.32	285	e		
			Nickel	7.9	125	0.1		
			Selenium	1.1	96000	e		
Cottonwood Creek @ Rd 20 (545XCCART) 4/29/08	97%	NPOs & metals	Diuron	0.63	2.4	0.3	Diuron = 0.3 TUc	Diuron and zinc present at toxic concentrations
			Simazine	0.11	100	e		
			Arsenic	2	690	e		
			Boron	32	15400	e	Total metals = 1.5 TUc	
			Copper	8	30	0.3		
			Lead	0.82	285	e		
			Nickel	1.7	125	e		
			Selenium	0.3	96000	e		
Miles Creek @ Reilly Rd (535XMCARR) 4/29/08	46%	NPOs & metals	Paraquat	0.76	12.0	0.1	Paraquat = 0.1 TUc	Paraquat, copper and zinc present at toxic concentrations
			Arsenic	2.7	690	e		
			Boron	16	15400	e		
			Copper	3.7	30	0.1	Total metals = 0.8 TUc	
			Lead	0.77	285	e		
			Nickel	3.1	125	e		
			Selenium	0.35	96000	e		
Zinc	6	8.3	0.7					

**Table 4A. Summary of Algae Phase III TIE Analyses (continued)**

<i>Sample No. (Sample ID) Sample Date</i>	<i>% Inhibition of Algal Growth</i>	<i>Phase I Results<sup>a</sup></i>	<i>Chemicals Detected</i>	<i>Conc. (µg/L)</i>	<i>EC<sub>50</sub><sup>b</sup></i>	<i>Pred. TUc<sup>c</sup></i>	<i>Total Pred. TUc<sup>d</sup></i>	<i>Comments</i>
South Slough @ Quinley Rd (535XSSAQR) 4/29/08	97%	NPOs & metals	Simazine Arsenic Boron Copper Lead Nickel Selenium Zinc	0.29 1.7 15 3.7 0.63 2.4 0.3 5	100 690 15400 30 285 125 96000 8.3	e e e 0.1 e e e 0.6	Total metals = 0.7 TUc	Copper and zinc present at toxic concentrations  Unknown NPOs may be present in the sample
Hatch Drain @ Tuolumne Rd (535XHDATR) (4/29/08)	85%	NPOs & metals	No chemistry data available.	--	--	--	--	--

a See Table 2

b USEPA ECOTOX database

c Predicted TUc = Concentration of chemicals detected / EC<sub>50</sub> for species of interest.

d Total Predicted TUc = sum of detected chemical TUs

e Chemicals that contributed &lt; 0.1 TU are not included in the analysis.

**Table 4B. Summary of *C. dubia* Phase III TIE Analyses.**

<i>Sample No. (Sample ID) (Sample Date)</i>	<i>Sample Toxicity</i>	<i>Phase I Results<sup>a</sup></i>	<i>Chemicals Detected</i>	<i>Conc. (µg/L)</i>	<i>EC<sub>50</sub><sup>b</sup> (µg/L)</i>	<i>Pred. TUa<sup>c</sup></i>	<i>Total Pred. TUa<sup>d</sup></i>	<i>Comments</i>
Silva Drain @ Meadow Rd (535XSDAMD) 7/22/08	5.2 TUa	OPs <sup>e</sup>	Chlorpyrifos	0.43	0.08	5.4	Chlorpyrifos = 5.4 TUa	Chlorpyrifos accounted for all the toxicity detected in the sample

a See Table 3

b USEPA ECOTOX database

c Predicted TUa = Concentration of chemicals detected / EC<sub>50</sub> for species of interest

d Total Predicted TUa = sum of detected chemical TUa

e OPs = organophosphate insecticides

## 5.0 DISCUSSION

The Phase I TIEs conducted in this study employed treatments that are designed to identify toxicity caused by non-polar organics (NPOs) and cationic chemicals (including divalent metals). Two additional treatments (PBO addition and OP-specific enzyme addition) were included for *C. dubia* to identify toxicity caused by metabolically-activated organophosphate insecticide(s) (OPs). We believe this suite of treatments is optimal for identification of the chemical class of

successful in identifying the chemical class of the toxicant(s), a Phase III TIE analysis was conducted on the sample to confirm if the concentration(s) of the suspect toxicant(s) could, based on their EC<sub>50</sub> values, account for the level of toxicity detected in the sample. We relied primarily on the USEPA ECOTOX Data Base (<http://cfpub.epa.gov/ecotox/>) and other published sources for the EC<sub>50</sub> information. Since the EXOTOX database contains a range of values for each constituent of interest, we used the most conservative (lowest) value that appeared to be reasonably supported by the other available information (Attachment 1). Unfortunately, no toxicity information was available for some constituents, precluding the assessment of their role in the sample toxicity. This lack of toxicity information for chemicals of interest in ambient TIEs is problematic and we recommend that studies be conducted, under conditions used in these types of toxicity tests, to generate this information.

A total of 10 samples were subjected to Phase I TIEs with algae. The TIEs identified non-polar organic (NPO) in combination with cationic metal toxicity in 5 samples while toxicity was not detected in the TIE baseline test with the other 5 samples. Phase III TIEs on these samples confirmed concentrations of cationic metals copper, nickel, and particularly zinc, were present at potentially toxic concentrations. Concentrations of the herbicides paraquat and diuron were sufficiently high to contribute to the algae toxicity detected in two of the samples. Unfortunately, there is no published information on the combined toxicity of the herbicides and soluble metals detected in the samples. Also, uncertainties exist in the ECOTOX database algae EC<sub>50</sub> values for both metals and herbicides detected in the samples. Development of this information should be considered a research priority.

One Phase I TIE was conducted with *C. dubia*. The TIE indicated that OPs were the cause of the toxicity in the sample. The *C. dubia* Phase III TIE confirmed that the chlorpyrifos concentration measured in the sample could fully account for the level of toxicity (5.2 TUa) detected in the sample.

Overall, the Phase III TIE analyses were consistent with the Phase I TIE results for both algae and *C. dubia*.

Approved by/Issue Date: \_\_\_\_\_  
Jeff Miller, Ph.D., DABT

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## ATTACHMENT 1

### Summary of Algae Toxicity of Constituents Detected in TIE Samples

<i>Constituent</i>	<i>EC<sub>50</sub></i> <i>(µg/L)</i>	<i>Source of Toxicity Data</i>
Arsenic	690	ECOTOX <sup>a</sup>
Boron	15,400	
Copper	30	
Diuron	2.4	
Lead	285	
Nickel	125	
Paraquat	12.0	
Selenium	96,000	
Simazine	100	
Zinc	8.3	AQUA-Science

a USEPA ECOTOX database ([http://cfpub.epa.gov/ecotox/quick\\_query.htm](http://cfpub.epa.gov/ecotox/quick_query.htm))  
b AQUA-Science reference toxicant database

**APPENDIX I**

**ALGAE PHASE I TIEs**

**ESJ 08-03 TIE  
(4/22/08 Sample Date)**

**Hilmar Drain @ Central Ave  
Prairie Flower Drain @ Crows Landing Rd**

**Summary of Chronic Phase I Algae TIE  
on ESJ Hilmar Drain 4/22/08 Sample  
(535XHDACA)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comment</i>
<b>Baseline</b>	Lab Control	0.1830	2.3510	No toxicity detected in the sample
	100	0.2130	2.7417	
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control	0.1400	1.7908	
	100	0.1095	1.3935	
<b>C-8 SPE Through-Column</b>	Column Blank	0.1225	1.5629	
	100	0.1620	2.0774	
	Treatment Blank	0.0985	1.2503	
<b>C-8 SPE + EDTA</b>	2X add-back	0.1765	2.2663	
	100	0.2140	2.7548	

Sample Date: 4/22/08

Test Date: 5/10/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm - 0.0328

\* significantly different from control (p<0.05)

**Conclusion:**

Sample toxicity was lost prior to or during the TIE, therefore none of the treatments provided any useful information regarding the cause(s) of toxicity detected in the initial toxicity test.

**Summary of Chronic Phase I Algae TIE  
on ESJ Prairie Flower Drain 4/22/08 Sample  
(535XPFDCL)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comment</i>
<b>Baseline</b>	Lab Control 100	0.1830 0.1515*	2.3510 1.9406	Test sample had 83% of algal control cell growth
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control 100	0.1400 0.1870	1.7908 2.4031	EDTA eliminated toxicity – cationic chemical toxicity suspected
<b>C-8 SPE Through-Column</b>	Column Blank 100 Treatment Blank 2X add-back	0.0990 0.1765 0.0985 0.1460	1.2568 2.2663 1.2503 1.8690	SPE column treatment reduced toxicity when compared to the untreated ambient sample – NPO toxicity suspected; toxicity was not recovered from the 2X add-back
<b>C-8 SPE + EDTA</b>	100	0.2430	3.1325	The combined SPE/EDTA treatment eliminated toxicity – cationic chemicals + NPO toxicity suspected.

Sample Date: 4/22/08

Test Date: 5/10/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm - 0.0328

\* significantly different from control (p<0.05)

**Conclusion:**

EDTA addition, SPE column treatment and the SPE + EDTA treatment reduced or eliminated toxicity. Cationic chemical and NPO toxicity suspected.

Sample	Rep	Absorbance	Mean	Cell Number		Mean	Cell Number x 10 <sup>6</sup>	Mean
				(13.026*abs-0.0328)				
Baseline	A	0.187		2.4031			2403062	
	B	0.179	0.1830	2.2989	2.3510	2298854	2350958	
<b>Hilmar Drain</b>	A	0.239		3.0804		3080414		
	B	0.187	0.2130	2.4031	2.7417	2403062	2741738	
EDTA Control	A	0.143		1.8299		1829918		
	B	0.137	0.1400	1.7518	1.7908	1751762	1790840	
EDTA	A	0.096		1.2177		1217696		
	B	0.123	0.1095	1.5694	1.3935	1569398	1393547	
TX Control	A	0.102		1.2959		1295852		
	B	0.095	0.0985	1.2047	1.2503	1204670	1250261	
Column blank	A	0.109		1.3870		1387034		
	B	0.136	0.1225	1.7387	1.5629	1738736	1562885	
C-8	A	0.164		2.1035		2103464		
	B	0.160	0.1620	2.0514	2.0774	2051360	2077412	
2X Add-back	A	0.165		2.1165		2116490		
	B	0.188	0.1765	2.4161	2.2663	2416088	2266289	
C8 + EDTA	A	0.217		2.7938		2793842		
	B	0.211	0.2140	2.7157	2.7548	2715686	2754764	
Baseline	A	0.187		2.4031		2403062		
	B	0.179	0.1830	2.2989	2.3510	2298854	2350958	
<b>Prairie Flower Drain</b>	A	0.149		1.9081		1908074		
	B	0.154	0.1515	1.9732	1.9406	1973204	1940639	
EDTA Control	A	0.143		1.8299		1829918		
	B	0.137	0.1400	1.7518	1.7908	1751762	1790840	
EDTA	A	0.170		2.1816		2181620		
	B	0.204	0.1870	2.6245	2.4031	2624504	2403062	
TX Control	A	0.102		1.2959		1295852		
	B	0.095	0.0985	1.2047	1.2503	1204670	1250261	
Column blank	A	0.112		1.4261		1426112		
	B	0.086	0.0990	1.0874	1.2568	1087436	1256774	
C-8	A	0.171		2.1946		2194646		
	B	0.182	0.1765	2.3379	2.2663	2337932	2266289	
2X Add-back	A	0.147		1.8820		1882022		
	B	0.145	0.1460	1.8560	1.8690	1855970	1868996	
C8 + EDTA	A	0.218		2.8069		2806868		
	B	0.268	0.2430	3.4582	3.1325	3458168	3132518	

**AQUA-Science**  
Environmental Toxicology Consultants

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-03 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042208) without EDTA <b>BASELINE</b>		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 10, 2008	Termination Date:	May 14, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Control	A	0.190	0.185	0.185	0.187
	B	0.179	0.179	0.180	0.179
Hilmar Drain	A	0.238	0.240	0.240	0.239
	B	0.189	0.186	0.185	0.187
Prairie Flower Drain	A	0.148	0.149	0.149	0.149
	B	0.154	0.155	0.153	0.154
Control w/o	A	0.000	0.000	0.000	0.000
Hilmar w/o	A	0.001	0.001	0.001	0.001
Prairie Flower w/o	A	0.001	0.001	0.001	0.001

Technician: Berisy      Date: 5/14/08      Statistics File No.

**Phytoplankton Test WITHOUT EDTA-Growth-Absorbance**

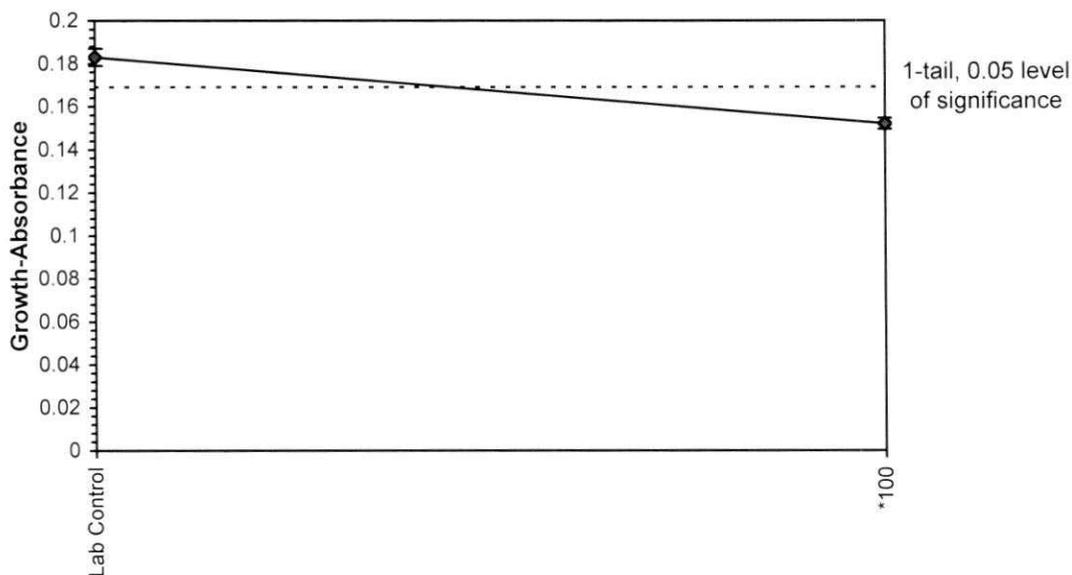
Start Date: 5/10/2008      Test ID: a1320803Ta      Sample ID: PRAIRIE FLOWER DRAIN  
 End Date: 5/14/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: BASELINE  
 Sample Date: 4/22/2008      Protocol: EPA CF4-EPA 821-R-02-013      Test Species: SC-Selenastrum capricornutum  
 Comments: ESJ 08-03A TIE : Algae Bioassay WITHOUT ALGAE

Conc-%	1	2
Lab Control	0.1870	0.1790
100	0.1490	0.1540

Conc-%	Mean	N-Mean	Transform: Untransformed				N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%			Critical	MSD
Lab Control	0.1830	1.0000	0.1830	0.1790	0.1870	3.091	2	6.678	2.920	0.0138
*100	0.1515	0.8279	0.1515	0.1490	0.1540	2.334	2			

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Normality of the data set cannot be confirmed						
F-Test indicates equal variances (p = 0.71)	2.56	16210.7				
<b>Hypothesis Test (1-tail, 0.05)</b>	<b>MSDu</b>	<b>MSDp</b>	<b>MSB</b>	<b>MSE</b>	<b>F-Prob</b>	<b>df</b>
Homoscedastic t Test indicates significant differences	0.01377	0.07527	0.00099	2.2E-05	0.0217	1, 2

**Dose-Response Plot**



# AQUA-Science

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## ALGAL BIOASSAY - CELL DETERMINATION

Test Number:	ESJ 08-03 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042208) + C8TC + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 10, 2008	Termination Date:	May 14, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.142	0.143	0.145	0.143
	B	0.138	0.137	0.136	0.137
Hilmar Drain	A	0.215	0.219	0.217	0.217
	B	0.202	0.212	0.210	0.211
Prairie Flower Drain	A	0.219	0.217	0.219	0.218
	B	0.269	0.266	0.269	0.268
EDTA Ctrl w/o	A	0.000	0.000	0.000	0.000
Hilmar w/o	A	0.001	0.002	0.001	0.001
Prairie Flower w/o	A	0.000	0.000	0.000	0.000

Technician: B. Miller      Date: 5/14/08      Statistics File No.

**AQUA-Science**  
Environmental Toxicology Consultants

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-03 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042208) + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 10, 2008	Termination Date:	May 14, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.142	0.143	0.145	0.143
	B	0.138	0.137	0.136	0.137
Hilmar Drain	A	0.096	0.096	0.096	0.096
	B	0.123	0.123	0.123	0.123
Prairie Flower Drain	A	0.169	0.169	0.172	0.170
	B	0.204	0.205	0.202	0.204
EDTA Ctrl w/o	A	0.000	0.000	0.000	0.000
Hilmar w/o	A	0.000	0.000	0.000	0.000
Prairie Flower w/o	A	0.001	0.002	0.000	0.001

Technician:  Date: 5/14/08 Statistics File No.

**AQUA-Science**  
Environmental Toxicology Consultants

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-03 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042208) without EDTA <b>C-8 SPE + Add-Back</b>		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 10, 2008	Termination Date:	May 14, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Tx Control	A	0.102	0.102	0.101	0.102
	B	0.095	0.095	0.095	0.095
Hilmar Column Blank	A	0.109	0.109	0.108	0.109
	B	0.138	0.131	0.135	0.136
Hilmar C8TC	A	0.166	0.164	0.163	0.164
	B	0.161	0.160	0.160	0.160
Hilmar 2X Addback	A	0.165	0.166	0.164	0.165
	B	0.186	0.190	0.189	0.188
Prairie Flower Column Blank	A	0.111	0.111	0.115	0.112
	B	0.086	0.085	0.086	0.086
Prairie Flower C8TC	A	0.173	0.170	0.171	0.171
	B	0.181	0.181	0.183	0.182
Prairie Flower 2X Addback	A	0.149	0.146	0.147	0.147
	B	0.145	0.145	0.145	0.145
Hilmar Col. Blk. w/o	A	0.001	0.001	0.000	0.001
Hilmar C8TC w/o	A	-0.001	-0.001	-0.001	-0.001
Prairie Flower Col. Blk w/o	A	0.000	0.001	0.000	0.001
Prairie Flower C8TC w/o	A	0.005	0.004	0.005	0.005

Technician: Bundy Date: 5/14/08 Statistics File No.

# AQUA-Science

Environmental Toxicology Consultants

## ALGAL BIOASSAY DATA SHEETS

### 1.0 TEST AND CLIENT INFORMATION

Test Number:	ESJ 08-03 A TIE	Study Director:	J. L. Miller
Protocol No.:	EPA 821-R-02-013	Technician(s):	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042208) without EDTA		
Initiation Date:	May 10, 2008	Termination Date:	May 14, 2008

### 2.0 TEST CONDITIONS & TEST SPECIES INFORMATION

Species	<u><i>Selenastrum capricornutum</i></u>	Temperature	25.0°C ± 1.0°C
Source	University of Texas (UTEX)	Agitation	100 RPM continuous
Media	EPA Algal Assay Media (AAM)	Lighting	400 ft candles
Inoculation	10,000 cells/mL		
Comments			

### 3.0 DILUTION WATER INFORMATION

Dilution Water Source	D.O. (mg/L)	pH (units)	E. C. (µmhos)	Other	COMMENTS
R/O EPAMH	7.8	8.00	417		0.22 µm Metrigard vacuum filtered
Hilmar Drain	7.3	8.45	1567		0.22 µm Metrigard vacuum filtered
Prairie Flower Drain	7.9	8.29	2600		0.22 µm Metrigard vacuum filtered

### 4.0 PREPARATION OF EXPOSURE SOLUTIONS

Test Solution Conc.	Control	100	200	400	800	1600	3200	Comments
Sample (mL)	0	220						TECH: <i>CM</i>
Dilution Water (mL)	220	0						TIME: <i>1100</i>
TOTAL	220 mL	220 mL						

	Comments

Technician: *CMY* Date: *5/10/08*



## Environmental Toxicology Consultants

## ALGAL BIOASSAY DATA SHEETS

## 6.0 Lab Notes

5/10/08

**ESJ 08-03A TIE**  
96 Hr. Static Growth  
*Selenastrum capricornutum*

**Ambient Samples (042208)**

Hilmar Drain @ Central Ave. (535XHDACA)  
Prairie Flower Drain @ Crows Landing Rd (535XPFDCCL)

**1.0 Stock Preparation**

0.1 liters of Ambient Sample filtered through 0.22 µm Metrigard filter.  
0.2 liters R/O EPAMH filtered through 0.22 µm Metrigard filter

**2.0 Water Quality Measurement**

Water quality of dilution and effluent measured after addition of EPA Algal Assay Media (AAM). Section 3.0, page 1

**EPA Algal Assay Media Addition (Without EDTA)**

Algal Assay Media prepared as per EPA 821-R-02-013; Section 14-Tables 1 and 2  
Added 0.12 mL each of #1-5 EPA AAM to 0.12 L **Ambient Sample**  
Added 0.22 mL each of #1-5 EPA AAM to 0.22 L R/O EPAMH; **Control Water**

Added 0.12 mL each of #1-5 EPA AAM to 0.12 L **C8 SPE Column Blank**  
Added 0.12 mL each of #1-5 EPA AAM to 0.12 L **C8 SPE Through Column**  
Added 0.12 mL each of #1-5 EPA AAM to 0.12 L **C8 SPE Through Column + 1 mg/L EDTA**  
Added 0.12 mL each of #1-5 EPA AAM to 0.12 L **C8 SPE 2X Addback**

Added 0.12 mL each of #1-5 EPA AAM to 0.12 L **EDTA Column Blank**  
Added 0.22 mL each of #1-5 EPA AAM to 0.22 L **Ambient Sample + 1 mg/L EDTA**

Stirred samples on magnetic stir plates for approx. 15 minutes.

**4.0 Background Counts**

Particle background counts measured with electronic particle counter - Coulter Counter, model ZBI.  
Counts recorded on section 2.0, page 2.

**5.0 Exposure Series Preparation and Algal Inoculation**

All concentrations prepared as described in section 4.0, page 1, and held in 125 mL solution beakers .  
All solutions were inoculated with pure culture algal stock in log phase growth to achieve a concentration of 10,000 cells/mL, calculations in section 6.0 page 2. All solutions thoroughly stirred. Divided the 150 mL solution beaker into 3-50 mL aliquots and distributed into flasks A, B and C. Placed all flasks randomly on a shaker table with 100 rpm continuous rotation in environmental chamber (continuous light at 25 °C ± 1 °C)  
All flasks randomly rotated twice daily.

Technician:



Date:

5/10/08



























**APPENDIX II**

**ALGAE PHASE I TIEs**

**ESJ 08-03 TIE  
(4/29/08 Sample Date)**

**Cottonwood Creek @ Rd 20  
Miles Creek @ Reilly Rd  
South Slough @ Quinley Rd  
Bear Creek @ Kibby Rd  
Hatch Drain @ Tuolomne Rd**

**Summary of Chronic Phase I Algae TIE  
on ESJ Cottonwood Creek 4/29/08 Sample  
(545XCCART)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comment</i>
<b>Baseline</b>	Lab Control 100	0.2570 0.0110*	3.3149 0.1105	Test sample had 3% of algal control growth
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control 100	0.3105 0.6115	4.0118 7.9326	EDTA eliminated toxicity – cationic chemical toxicity suspected
<b>C-8 SPE Through-Column</b>	Column Blank 100	0.3555 0.3055	4.5979 3.9466	SPE column treatment eliminated toxicity – NPO toxicity suspected; toxicity not recovered from the 2X add-back
	Treatment Blank 2X add-back	0.3520 0.3405	4.5524 4.4026	
<b>C-8 SPE + EDTA</b>	100	0.5435	7.0468	The combined SPE/EDTA treatment eliminated toxicity – cationic chemicals + NPO toxicity suspected.

Sample Date: 4/29/08

Test Date: 5/13/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm - 0.0328

\* significantly different from control (p<0.05)

**Conclusion:**

Sample toxicity caused by cationic chemical(s) and NPO(s).

**Summary of Chronic Phase I Algae TIE  
on ESJ Miles Creek 4/29/08 Sample  
(535XMCARR)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comment</i>
<b>Baseline</b>	Lab Control 100	0.2570 0.1400*	3.3149 1.7908	Test sample had 54% of algal control growth
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control 100	0.3105 0.6910	4.0118 8.9682	EDTA eliminated toxicity – cationic chemical toxicity suspected
<b>C-8 SPE Through-Column</b>	Column Blank 100 Treatment Blank 2X add-back	0.3810 0.4545 0.3520 0.3040	4.9301 5.8875 4.5524 3.9271	SPE column treatment eliminated toxicity – NPO toxicity suspected; toxicity not recovered from the 2X add-back
<b>C-8 SPE + EDTA</b>	100	0.6260	8.1215	The combined SPE/EDTA treatment eliminated toxicity – cationic chemicals + NPO toxicity suspected.

Sample Date: 4/29/08

Test Date: 5/13/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm - 0.0328

\* significantly different from control (p<0.05)

**Conclusion:**

Toxicity was eliminated by EDTA addition, SPE column treatment and SPE + EDTA treatment, suggesting that toxicity was caused by both cationic chemicals and NPOs.

**Summary of Chronic Phase I Algae TIE  
on ESJ South Slough 4/29/08 Sample  
(535XSSAQR)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comment</i>
<b>Baseline</b>	Lab Control 100	0.2570 0.0115*	3.3149 0.1170	Test sample had 3% of algal control growth
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control 100	0.3105 0.5315	4.0118 6.8905	EDTA eliminated toxicity – cationic chemical toxicity suspected
<b>C-8 SPE Through-Column</b>	Column Blank 100 Treatment Blank 2X add-back	0.3100 0.0455 0.3520 0.3780	4.0053 0.5599 4.5524 4.8910	SPE column treatment slightly reduced toxicity when compared to the untreated ambient sample – NPO toxicity suspected; toxicity not recovered from the 2X add-back
<b>C-8 SPE + EDTA</b>	100	0.5825	7.5548	The combined SPE/EDTA treatment eliminated all toxicity – cationic chemicals + NPO toxicity suspected.

Sample Date: 4/29/08

Test Date: 5/13/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm - 0.0328

\* significantly different from control (p<0.05)

**Conclusion:**

The majority of the sample toxicity was due to cationic chemical, while NPOs were responsible for a small component of the toxicity.

**Summary of Chronic Phase I Algae TIE  
on ESJ Bear Creek 4/29/08 Sample  
(535XBCAKR)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comment</i>
<b>Baseline</b>	Lab Control	0.2570	3.3149	No toxicity detected in the sample
	100	0.4560	5.9071	
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control	0.4560	5.9071	
	100	0.3105	4.0118	
<b>C-8 SPE Through-Column</b>	Column Blank	0.3460	4.4742	
	100	0.4120	5.3339	
	Treatment Blank	0.3520	4.5524	
<b>C-8 SPE + EDTA</b>	2X add-back	0.3530	4.5654	
	100	0.3950	5.1125	

Sample Date: 4/29/08

Test Date: 5/13/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm - 0.0328

\* significantly different from control (p<0.05)

**Conclusion:**

Sample toxicity was lost prior to or during the TIE, therefore none of the treatments provided any useful information regarding the cause(s) of toxicity detected in the initial toxicity test.

Sample	Rep	Absorbance	Mean	Cell Number		Mean	Cell Number x 10 <sup>6</sup>	Mean
				(13.026*abs-0.0328)				
Baseline	A	0.244		3.1455			3145544	
	B	0.270	0.2570	3.4842	3.3149	3484220	3314882	
<b>Cottonwood Creek</b>	A	0.010		0.0975		97460		
	B	0.012	0.0110	0.1235	0.1105	123512	110486	
EDTA Control	A	0.295		3.8099		3809870		
	B	0.326	0.3105	4.2137	4.0118	4213676	4011773	
EDTA	A	0.603		7.8219		7821878		
	B	0.620	0.6115	8.0433	7.9326	8043320	7932599	
TX Control	A	0.357		4.6175		4617482		
	B	0.347	0.3520	4.4872	4.5524	4487222	4552352	
Column blank	A	0.374		4.8389		4838924		
	B	0.337	0.3555	4.3570	4.5979	4356962	4597943	
C-8	A	0.302		3.9011		3901052		
	B	0.309	0.3055	3.9922	3.9466	3992234	3946643	
2X Add-back	A	0.341		4.4091		4409066		
	B	0.340	0.3405	4.3960	4.4026	4396040	4402553	
C8 + EDTA	A	0.557		7.2227		7222682		
	B	0.530	0.5435	6.8710	7.0468	6870980	7046831	
Baseline	A	0.244		3.1455		3145544		
	B	0.270	0.2570	3.4842	3.3149	3484220	3314882	
<b>Miles Creek</b>	A	0.151		1.9341		1934126		
	B	0.129	0.1400	1.6476	1.7908	1647554	1790840	
EDTA Control	A	0.295		3.8099		3809870		
	B	0.326	0.3105	4.2137	4.0118	4213676	4011773	
EDTA	A	0.700		9.0854		9085400		
	B	0.682	0.6910	8.8509	8.9682	8850932	8968166	
TX Control	A	0.357		4.6175		4617482		
	B	0.347	0.3520	4.4872	4.5524	4487222	4552352	
Column blank	A	0.375		4.8520		4851950		
	B	0.387	0.3810	5.0083	4.9301	5008262	4930106	
C-8	A	0.447		5.7898		5789822		
	B	0.462	0.4545	5.9852	5.8875	5985212	5887517	
2X Add-back	A	0.300		3.8750		3875000		
	B	0.308	0.3040	3.9792	3.9271	3979208	3927104	
C8 + EDTA	A	0.606		7.8610		7860956		
	B	0.646	0.6260	8.3820	8.1215	8381996	8121476	
Baseline	A	0.244		3.1455		3145544		
	B	0.270	0.2570	3.4842	3.3149	3484220	3314882	
<b>South Slough</b>	A	0.010		0.0975		97460		
	B	0.013	0.0115	0.1365	0.1170	136538	116999	
EDTA Control	A	0.295		3.8099		3809870		
	B	0.326	0.3105	4.2137	4.0118	4213676	4011773	
EDTA	A	0.559		7.2487		7248734		
	B	0.504	0.5315	6.5323	6.8905	6532304	6890519	
TX Control	A	0.357		4.6175		4617482		
	B	0.347	0.3520	4.4872	4.5524	4487222	4552352	
Column blank	A	0.326		4.2137		4213676		
	B	0.294	0.3100	3.7968	4.0053	3796844	4005260	
C-8	A	0.044		0.5403		540344		
	B	0.047	0.0455	0.5794	0.5599	579422	559883	
2X Add-back	A	0.360		4.6566		4656560		
	B	0.396	0.3780	5.1255	4.8910	5125496	4891028	
C8 + EDTA	A	0.574		7.4441		7444124		
	B	0.591	0.5825	7.6656	7.5548	7665566	7554845	

Baseline	A	0.244		3.1455		3145544	
	B	0.270	0.2570	3.4842	3.3149	3484220	3314882
<b>Bear Creek</b>	A	0.446		5.7768		5776796	
	B	0.466	0.4560	6.0373	5.9071	6037316	5907056
EDTA Control	A	0.295		3.8099		3809870	
	B	0.326	0.3105	4.2137	4.0118	4213676	4011773
EDTA	A	0.549		7.1185		7118474	
	B	0.548	0.5485	7.1054	7.1120	7105448	7111961
TX Control	A	0.357		4.6175		4617482	
	B	0.347	0.3520	4.4872	4.5524	4487222	4552352
Column blank	A	0.338		4.3700		4369988	
	B	0.354	0.3460	4.5784	4.4742	4578404	4474196
C-8	A	0.374		4.8389		4838924	
	B	0.450	0.4120	5.8289	5.3339	5828900	5333912
2X Add-back	A	0.367		4.7477		4747742	
	B	0.339	0.3530	4.3830	4.5654	4383014	4565378
C8 + EDTA	A	0.386		4.9952		4995236	
	B	0.404	0.3950	5.2297	5.1125	5229704	5112470

**Phytoplankton Test WITHOUT EDTA-Growth-Absorbance**

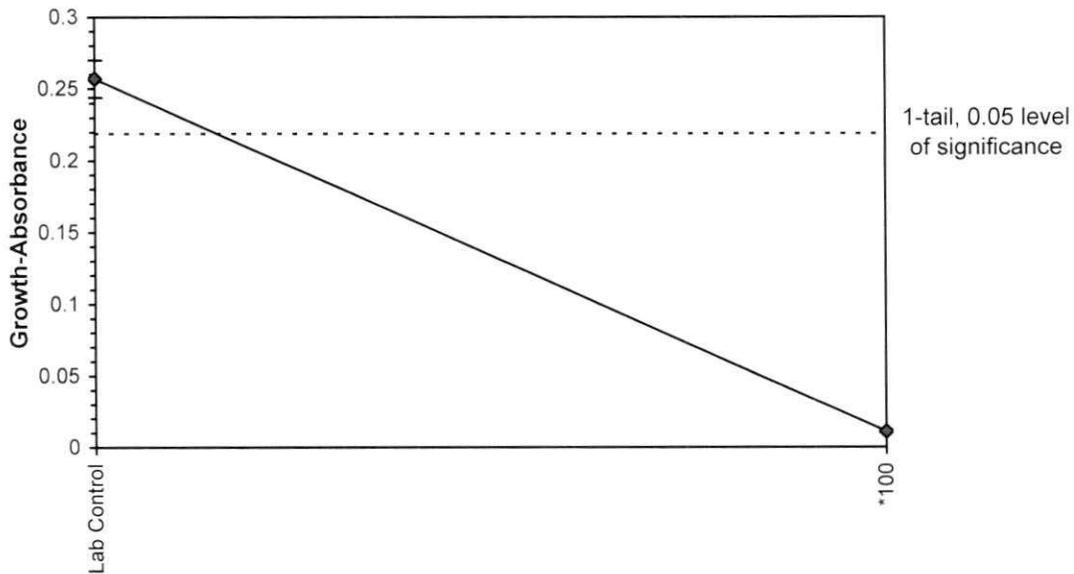
Start Date: 5/13/2008      Test ID: a1320803Tc      Sample ID: COTTONWOOD CREEK  
 End Date: 5/17/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: BASELINE  
 Sample Date: 4/29/2008      Protocol: EPA CF4-EPA 821-R-02-013      Test Species: SC-Selenastrum capricornutum  
 Comments: ESJ 08-03ATIE : Algae Bioassay WITHOUT ALGAE

Conc-%	1	2
Lab Control	0.2440	0.2700
100	0.0100	0.0120

Conc-%	Mean	N-Mean	Transform: Untransformed				N	t-Stat	1-Tailed Critical	MSD
			Mean	Min	Max	CV%				
Lab Control	0.2570	1.0000	0.2570	0.2440	0.2700	7.154	2			
*100	0.0110	0.0428	0.0110	0.0100	0.0120	12.856	2	18.867	2.920	0.0381

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Normality of the data set cannot be confirmed						
F-Test indicates equal variances ( $p = 0.10$ )	169	16210.7				
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates significant differences	0.03807	0.14814	0.06052	0.00017	0.0028	1, 2

**Dose-Response Plot**



**Phytoplankton Test WITHOUT EDTA-Growth-Absorbance**

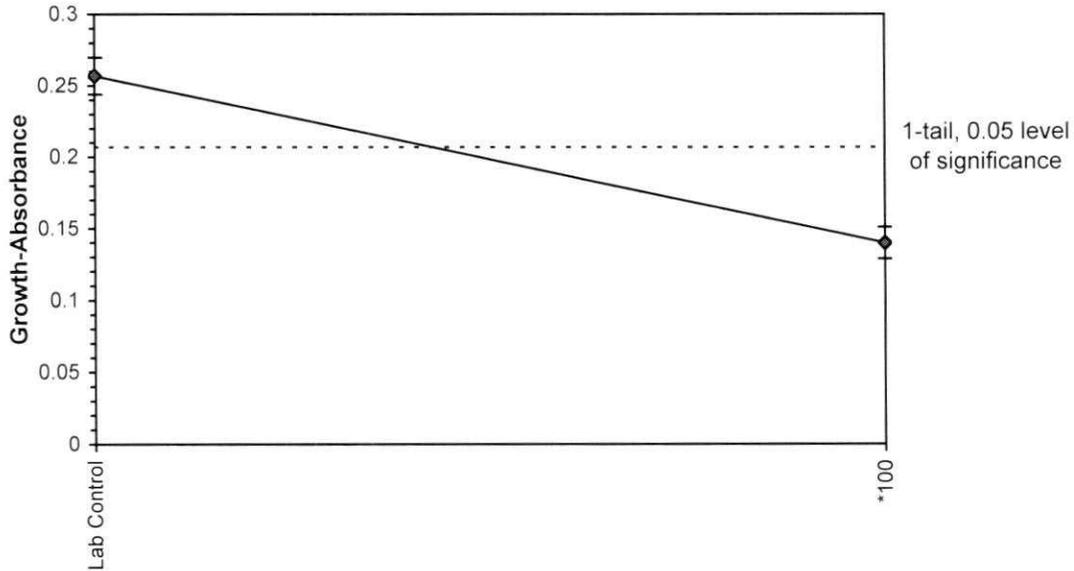
Start Date: 5/13/2008      Test ID: a1320803Td      Sample ID: MILES CREEK  
 End Date: 5/17/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: BASELINE  
 Sample Date: 4/29/2008      Protocol: EPA CF4-EPA 821-R-02-013      Test Species: SC-Selenastrum capricornutum  
 Comments: ESJ 08-03ATIE : Algae Bioassay WITHOUT ALGAE

Conc-%	1	2
Lab Control	0.2440	0.2700
100	0.1510	0.1290

Conc-%	Mean	N-Mean	Transform: Untransformed				N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%			Critical	MSD
Lab Control	0.2570	1.0000	0.2570	0.2440	0.2700	7.154	2			
*100	0.1400	0.5447	0.1400	0.1290	0.1510	11.112	2	6.870	2.920	0.0497

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Normality of the data set cannot be confirmed						
F-Test indicates equal variances (p = 0.89)	1.39669	16210.7				
<b>Hypothesis Test (1-tail, 0.05)</b>	<b>MSDu</b>	<b>MSDp</b>	<b>MSB</b>	<b>MSE</b>	<b>F-Prob</b>	<b>df</b>
Homoscedastic t Test indicates significant differences	0.04973	0.19348	0.01369	0.00029	0.02053	1, 2

**Dose-Response Plot**



**Phytoplankton Test WITHOUT EDTA-Growth-Absorbance**

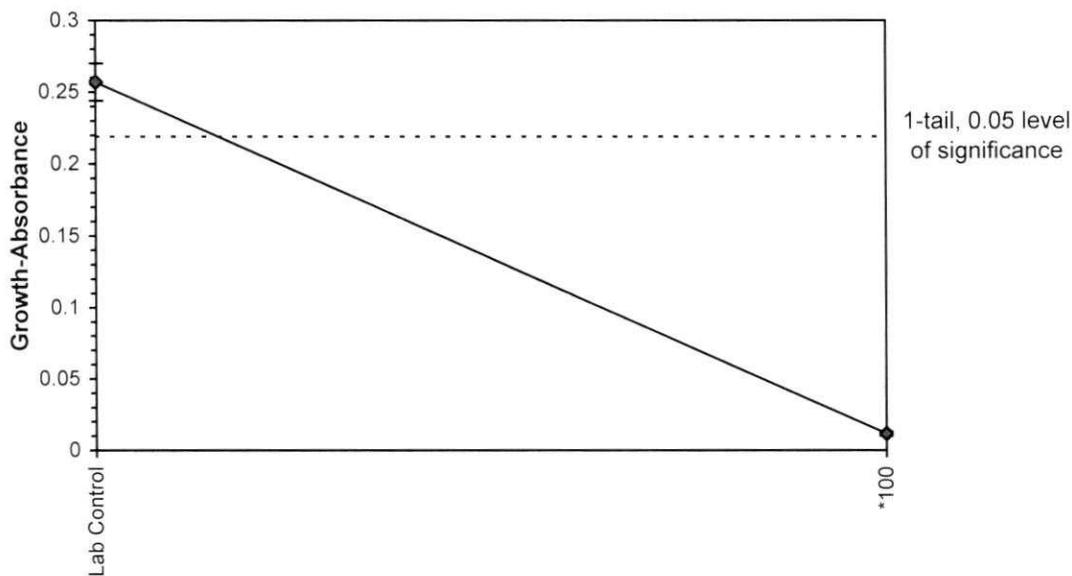
Start Date: 5/13/2008      Test ID: a1320803Te      Sample ID: SOUTH SLOUGH  
 End Date: 5/17/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: BASELINE  
 Sample Date: 4/29/2008      Protocol: EPA CF4-EPA 821-R-02-013      Test Species: SC-Selenastrum capricornutum  
 Comments: ESJ 08-03ATIE : Algae Bioassay WITHOUT ALGAE

Conc-%	1	2
Lab Control	0.2440	0.2700
100	0.0100	0.0130

Conc-%	Mean	N-Mean	Transform: Untransformed				N	t-Stat	1-Tailed Critical	MSD
			Mean	Min	Max	CV%				
Lab Control	0.2570	1.0000	0.2570	0.2440	0.2700	7.154	2			
*100	0.0115	0.0447	0.0115	0.0100	0.0130	18.446	2	18.760	2.920	0.0382

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Normality of the data set cannot be confirmed						
F-Test indicates equal variances (p = 0.15)	75.1111	16210.7				
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates significant differences	0.03821	0.14868	0.06027	0.00017	0.00283	1, 2

**Dose-Response Plot**





# AQUA-Science

Environmental Toxicology Consultants

## ALGAL BIOASSAY - CELL DETERMINATION

Test Number:	ESJ 08-03 B TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042908) + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 12, 2008	Termination Date:	May 16, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.296	0.294	0.294	0.295
	B	0.326	0.326	0.326	0.326
Cottonwood Creek	A	0.598	0.607	0.604	0.603
	B	0.633	0.617	0.609	0.620
Miles Creek	A	0.713	0.687	0.700	0.700
	B	0.676	0.690	0.680	0.682
South Slough	A	0.564	0.560	0.554	0.559
	B	0.500	0.505	0.508	0.504
Bear Creek	A	0.534	0.547	0.547	0.549
	B	0.548	0.548	0.548	0.548
EDTA Ctrl w/o	A	0.000	0.000	0.000	0.000
Cottonwood w/o	A	0.002	0.002	0.002	0.002
Miles w/o	A	0.000	0.000	0.000	0.000
South w/o	A	0.004	0.004	0.004	0.004
Bear w/o	A	0.008	0.008	0.008	0.008

Technician: BAU                      Date: 5/17/08                      Statistics File No.





**AQUA-Science**  
Environmental Toxicology Consultants

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-03 B TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042908) + C8TC + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 12, 2008	Termination Date:	May 16, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.296	0.294	0.294	0.295
	B	0.376	0.326	0.326	0.326
Cottonwood	A	0.560	0.545	0.550	0.552
	B	0.550	0.524	0.517	0.530
Miles Creek	A	0.610	0.609	0.600	0.606
	B	0.643	0.649	0.647	0.646
South Slough	A	0.571	0.577	0.573	0.574
	B	0.577	0.577	0.588	0.591
Bear Creek	A	0.388	0.385	0.385	0.386
	B	0.403	0.405	0.405	0.404
EDTA Ctrl w/o	A	0.000	0.000	0.000	0.000
Cottonwood w/o	A	0.002	0.002	0.002	0.002
Miles w/o	A	0.002	0.002	0.002	0.002
South w/o	A	-0.001	-0.001	-0.001	-0.001
Bear w/o	A	0.002	0.002	0.002	0.002

Technician:                     CSY                          Date:                     5/17/08                          Statistics File No.

















**AQUA-Science**  
Environmental Toxicology Consultants

**WATER QUALITY REPORT FOR AQUATIC BIOASSAYS**

Test Number:	ESJ 08-03 B TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042908) without EDTA <b>BASELINE</b>		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 12, 2008	Termination Date:	May 16, 2008

Samples Conc.	Day 1				Day 2				Day 3			
	Temp.	D.O.*	pH^^	Cond.^	Temp.	D.O.*	pH^^	Cond.^	Temp.	D.O.*	pH^^	Cond.^
Control	25	8.3	8.35	421	25	8.2	8.08	420	25	8.4	8.54	417
Cottonwood Creek	25	8.3	8.43	265	25	8.0	8.75	262	26	8.2	8.68	262
Miles Creek	25	8.2	8.39	294	25	8.0	8.55	291	26	8.2	8.83	295
South Slough	25	8.3	8.34	276	25	7.9	8.43	277	26	8.3	8.65	276
Bear Creek	25	8.1	8.47	182	25	8.1	8.58	184	26	8.5	8.89	180
	BES 5/14/08				BES 5/15/08				M 5/16/08			

**UNIT INSTRUMENTATION LEGEND**

\*=Dissolved oxygen (mg/L) Meter ID: 01

^=Conductivity/Salinity (µmohs); Meter ID: 03

\*\*Alkalinity (mg/L CaCO<sub>3</sub>); HACH Test Kit

^^=pH Meter ID: 01

~=Water Hardness (mg/L CaCO<sub>3</sub>); HACH Test Kit

**ADDITIONAL COMMENTS:**

Water Quality taken in "C" replicate  
EPA Algal Assay Media (AAM) Without EDTA

















**Summary of Chronic Phase I Algae TIE  
on ESJ Hatch Drain 4/29/08 Sample  
(535XHDATA-RS)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comment</i>
<b>Baseline</b>	Lab Control 100	0.2570 0.0415*	3.3149 0.5078	Test sample had 15% of algal control growth
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control 100	0.3105 0.3825	4.0118 4.9496	EDTA eliminated toxicity – cationic chemical toxicity suspected
<b>C-8 SPE Through-Column</b>	Column Blank 100	0.3555 0.2655	4.5979 3.4256	SPE column treatment eliminated toxicity – NPOs responsible for a portion of toxicity; toxicity partially recovered from the 2X add-back
	Treatment Blank 2X add-back	0.2520 0.1915	4.5524 2.4617	
<b>C-8 SPE + EDTA</b>	100	0.3965	5.1320	The combined SPE/EDTA treatment eliminated toxicity – cationic chemicals + NPO toxicity suspected.

Sample Date: 4/29/08

Test Date: 5/13/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm - 0.0328

\* significantly different from control (p<0.05)

**Conclusion:**

Sample toxicity due to cationic chemicals with NPOs responsible for a portion of the toxicity.

## 08-03A RS TIE (5/13/08)

Sample	Rep	Absorbance	Mean	Cell Number		Cell Number x 10 <sup>6</sup>	Mean
				(13.026*abs-0.0328)	Mean		
Baseline	A	0.244		3.1455		3145544	
	B	0.270	0.2570	3.4842	3.3149	3484220	3314882
<b>Hatch Drain</b>	A	0.048		0.5924		592448	
	B	0.035	0.0415	0.4231	0.5078	423110	507779
EDTA Control	A	0.295		3.8099		3809870	
	B	0.326	0.3105	4.2137	4.0118	4213676	4011773
EDTA	A	0.382		4.9431		4943132	
	B	0.383	0.3825	4.9562	4.9496	4956158	4949645
TX Control	A	0.357		4.6175		4617482	
	B	0.347	0.3520	4.4872	4.5524	4487222	4552352
Column blank	A	0.375		4.8520		4851950	
	B	0.336	0.3555	4.3439	4.5979	4343936	4597943
C-8	A	0.265		3.4191		3419090	
	B	0.266	0.2655	3.4321	3.4256	3432116	3425603
2X Add-back	A	0.199		2.5594		2559374	
	B	0.184	0.1915	2.3640	2.4617	2363984	2461679
C8 + EDTA	A	0.393		5.0864		5086418	
	B	0.400	0.3965	5.1776	5.1320	5177600	5132009

**Phytoplankton Test WITHOUT EDTA-Growth-Absorbance**

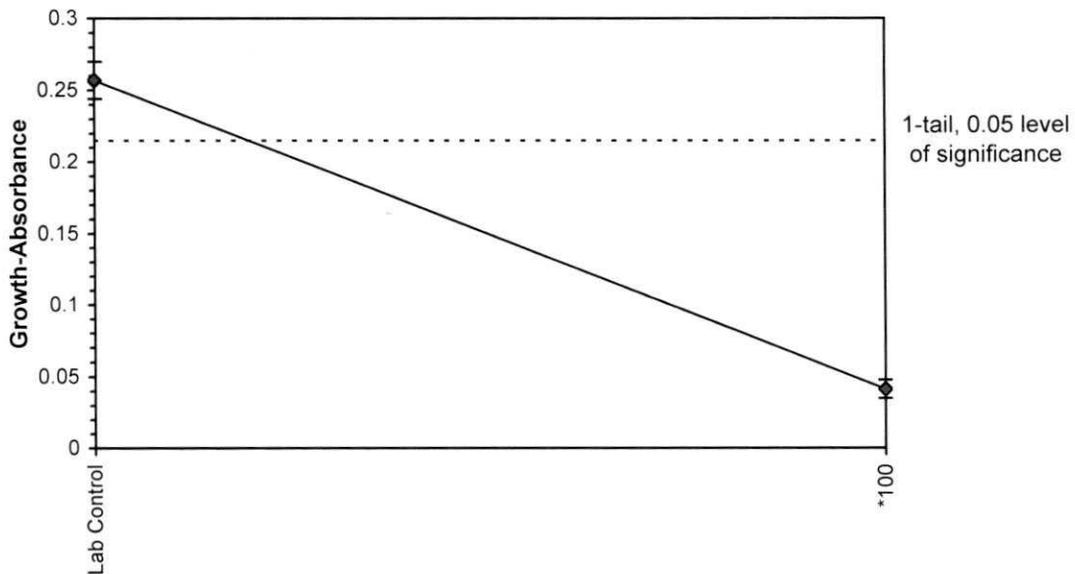
Start Date: 5/13/2008      Test ID: a1320803Tb      Sample ID: HATCH DRAIN  
 End Date: 5/17/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: BASELINE  
 Sample Date: 4/29/2008      Protocol: EPA CF4-EPA 821-R-02-013      Test Species: SC-Selenastrum capricornutum  
 Comments: ESJ 08-03ATIE : Algae Bioassay WITHOUT ALGAE

Conc-%	1	2
Lab Control	0.2440	0.2700
100	0.0480	0.0350

Conc-%	Mean	N-Mean	Transform: Untransformed				N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%			Critical	MSD
Lab Control	0.2570	1.0000	0.2570	0.2440	0.2700	7.154	2	14.827	2.920	0.0424
*100	0.0415	0.1615	0.0415	0.0350	0.0480	22.150	2			

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Normality of the data set cannot be confirmed						
F-Test indicates equal variances (p = 0.59)	4	16210.7				
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates significant differences	0.04244	0.16514	0.04644	0.00021	0.00452	1, 2

**Dose-Response Plot**





**AQUA-Science**  
Environmental Toxicology Consultants

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-03A RS TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042908) + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 12, 2008	Termination Date:	May 16, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.296	0.294	0.294	0.294
	B	0.326	0.326	0.326	0.326
Hatch Drain	A	0.373	0.386	0.386	0.382
	B	0.384	0.384	0.380	0.383
					o entry error
EDTA Ctrl w/o	A	0.000	0.000	0.000	0.000
Hatch w/o	A	-0.002	-0.002	-0.002	-0.002

Technician: Ray                      Date: 5/17/08                      Statistics File No.

**AQUA-Science**  
Environmental Toxicology Consultants

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-03A RS TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042908) without EDTA <b>C-8 SPE + Add-Back</b>		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 12, 2008	Termination Date:	May 16, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Tx Control	A	0.357	0.356	0.357	0.357
	B	0.347	0.348	0.347	0.347
Hatch Column Blank	A	0.374	0.375	0.376	0.375
	B	0.336	0.337	0.336	0.336
Hatch C8TC	A	0.268	0.265	0.262	0.265
	B	0.264	0.266	0.267	0.266
Hatch 2X Addback	A	0.194	0.203	0.200	0.199
	B	0.190	0.181	0.182	0.184
Hatch Col. Blk. w/o	A	0.000	0.000	0.000	0.000
Hatch C8TC w/o	A	0.004	0.004	0.004	0.004

Technician:           GAY                                Date:           5/17/08                                Statistics File No.

**AQUA-Science**  
Environmental Toxicology Consultants

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-03ARS TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042908) + C8TC + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	May 12, 2008	Termination Date:	May 16, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.296	0.294	0.294	0.295
	B	0.326	0.326	0.326	0.326
Hatch Drain	A	0.395	0.393	0.390	0.393
	B	0.403	0.400	0.398	0.400
EDTA Ctrl w/o	A	0.000	0.000	0.000	0.000
Hatch w/o	A	-0.005	-0.005	-0.004	-0.005

Technician: ROY      Date: 5/17/08      Statistics File No.

# AQUA-Science

## Environmental Toxicology Consultants

### ALGAL BIOASSAY DATA SHEETS

#### 1.0 TEST AND CLIENT INFORMATION

Test Number:	ESJ 08-03A RS TIE	Study Director:	J. L. Miller
Protocol No.:	EPA 821-R-02-013	Technician(s):	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (042908) without EDTA		
Initiation Date:	May 12, 2008	Termination Date:	May 16, 2008

#### 2.0 TEST CONDITIONS & TEST SPECIES INFORMATION

Species	<u>Selenastrum capricornutum</u>	Temperature	<u>25.0°C ± 1.0°C</u>
Source	<u>University of Texas (UTEX)</u>	Agitation	<u>100 RPM continuous</u>
Media	<u>EPA Algal Assay Media (AAM)</u>	Lighting	<u>400 ft candles</u>
Innoculation	<u>10,000 cells/mL</u>		
Comments			

#### 3.0 DILUTION WATER INFORMATION

Dilution Water Source	D.O. (mg/L)	pH (units)	E. C. (µmhos)	Other	COMMENTS
R/O EPAMH	7.6	8.14	412		0.22 µm Metrigard vacuum filtered
Hatch Drain	7.7	8.63	1339		0.22 µm Metrigard vacuum filtered

#### 4.0 PREPARATION OF EXPOSURE SOLUTIONS

Test Solution Conc.	Control	100							Comments
Sample (mL)	0	220							TECH: <i>CM</i>
Dilution Water (mL)	220	0							TIME: 1305
TOTAL	220 mL	220 mL							

										Comments

Technician: *CA* Date: 5/13/08



**ALGAL BIOASSAY DATA SHEETS**

**6.0 Lab Notes**

5/12/08  
15

**ESJ 08-03A RS TIE**  
96 Hr. Static Growth  
*Selenastrum capricornutum*

**Ambient Samples (042908)**

Hatch Drain @ Tuolumine Road 535XHDATR-RS

**1.0 Stock Preparation**

0.5 liters of Ambient Sample filtered through 0.22 µm Metrigard filter.  
0.5 liters R/O EPAMH filtered through 0.22 µm Metrigard filter

**2.0 Water Quality Measurement**

Water quality of dilution and effluent measured after addition of EPA Algal Assay Media (AAM). Section 3.0, page 1

**EPA Algal Assay Media Addition (Without EDTA)**

Algal Assay Media prepared as per EPA 821-R-02-013; Section 14-Tables 1 and 2

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **Ambient Sample**

Added 0.5 mL each of #1-5 EPA AAM to 0.5 L R/O EPAMH; **Control Water**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Column Blank**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Through Column**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Through Column + 1 mg/L EDTA**

Added 0.10 mL each of #1-5 EPA AAM to 0.10 L **C8 SPE 2X Addback**

Added 0.20 mL each of #1-5 EPA AAM to 0.20 L **Ambient Sample + 1 mg/L EDTA**

Stirred samples on magnetic stir plates for approx. 10 minutes.

**4.0 Background Counts**

Particle background counts measured with electronic particle counter - Coulter Counter, model ZBI.

Counts recorded on section 2.0, page 2.

**5.0 Exposure Series Preparation and Algal Inoculation**

All concentrations prepared as described in section 4.0, page 1, and held in 125 mL solution beakers .

All solutions were inoculated with pure culture algal stock in log phase growth to achieve a concentration of 10,000 cells/mL, calculations in section 6.0 page 2. All solutions thoroughly stirred. Divided the 150 mL solution beaker into 3-50 mL aliquots and distributed into flasks A, B and C. Placed all flasks randomly on a shaker table with 100 rpm continuous rotation in environmental chamber (continuous light at 25 °C ± 1 °C)

All flasks randomly rotated twice daily.

Technician:



Date:

5/13/08





























**APPENDIX III**

**ALGAE PHASE I TIEs**

**ESJ 08-06 TIE  
(7/22/08 Sample Date)**

**Hatch Drain @ Tuolomne Rd**

**Summary of Chronic Phase I Algae TIE  
on ESJ Hatch Drain @ Tuolumne Rd 7/22/08 Sample  
(535XHDATA)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comments</i>
<b>Baseline</b>	Lab Control	0.0555	0.6901	No toxicity detected in the sample
	100	0.0810	1.0223	
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control	0.0580	0.7227	
	100	0.1195	1.5238	
<b>C-8 SPE Through-Column</b>	Column Blank	0.0105	0.1040	
	100	0.0150	0.1626	
	Treatment Blank 2X add-back	0.0385 0.0780	0.4687 0.9832	
<b>C-8 SPE + EDTA</b>	100	0.0520	0.6446	

Sample Date: 7/22/08

Test Date: 7/29/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm – 0.0328

\* Significantly different from control (p<0.05)

**Conclusion:**

Sample toxicity was lost prior to or during the TIE, therefore none of the treatments provided any useful information regarding the cause(s) of toxicity detected in the initial toxicity test.

## 08-06A TIE (7/22/08)

Sample	Rep	Absorbance	Mean	Cell Number		Mean	% difference
				(13.026*abs-0.0328)	x 10 <sup>6</sup>		
Baseline	A	0.056		0.6967		696656	
	B	0.055	0.0555	0.6836	0.6901	683630	690143
<b>Hatch Drain</b>	A	0.087		1.1005		1100462	
	B	0.075	0.0810	0.9442	1.0223	944150	1022306
EDTA Control	A	0.063		0.7878		787838	
	B	0.053	0.0580	0.6576	0.7227	657578	722708
EDTA	A	0.101		1.2828		1282826	
	B	0.138	0.1195	1.7648	1.5238	1764788	1523807
TX Control	A	0.037		0.4492		449162	
	B	0.040	0.0385	0.4882	0.4687	488240	468701
Column blank	A	0.011		0.1105		110486	
	B	0.010	0.0105	0.0975	0.1040	97460	103973
C-8	A	0.016		0.1756		175616	
	B	0.014	0.0150	0.1496	0.1626	149564	162590
2X Add-back	A	0.080		1.0093		1009280	
	B	0.076	0.0780	0.9572	0.9832	957176	983228
C8 + EDTA	A	0.048		0.5924		592448	
	B	0.056	0.0520	0.6967	0.6446	696656	644552

**AQUA-Science**  
Environmental Toxicology Specialists

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-06A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (072208) without EDTA <b>BASELINE</b>		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	July 29, 2008	Termination Date:	August 2, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Control	A	0.056	0.056	0.056	0.056
	B	0.056	0.055	0.055	0.055
Hatch Drain	A	0.088	0.087	0.087	0.087
	B	0.076	0.075	0.074	0.075
Control w/o	A	-0.001	-0.001	-0.001	-0.001
Hatch w/o	A	0.001	0.001	0.001	0.001

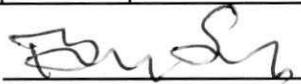
Technician:  Date: 8/2/08 Statistics File No.

**AQUA-Science**  
Environmental Toxicology Specialists

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-06A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (072208) + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	July 29, 2008	Termination Date:	August 2, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.063	0.062	0.063	0.063
	B	0.053	0.053	0.053	0.053
Hatch Drain	A	0.101	0.102	0.099	0.101
	B	0.137	0.138	0.138	0.138
EDTA Ctrl w/o	A	0.001	0.001	0.001	0.001
Hatch w/o	A	0.001	0.001	0.001	0.001

Technician:  Date: 8/2/08 Statistics File No.

**AQUA-Science**  
Environmental Toxicology Specialists

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-06A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (072208) without EDTA <b>C-8 SPE + Add-Back</b>		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	July 29, 2008	Termination Date:	August 2, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Tx Control	A	0.037	0.037	0.037	0.037
	B	0.041	0.040	0.039	0.040
Hatch Drain Column Blank	A	0.011	0.011	0.011	0.011
	B	0.010	0.010	0.10	0.010
Hatch Drain C8TC	A	0.016	0.016	0.016	0.016
	B	0.014	0.014	0.014	0.014
Hatch Drain 2X Add-back	A	0.080	0.080	0.081	0.080
	B	0.075	0.076	0.077	0.076
Hatch Col. Blk. w/o	A	0.003	0.003	0.006	0.004
Hatch C8TC w/o	A	0.001	0.001	0.001	0.001

Technician: Burton

Date: 8/2/08

Statistics File No.
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**AQUA-Science**  
Environmental Toxicology Specialists

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-06A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (072208) + C8TC + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	July 29, 2008	Termination Date:	August 2, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.063	0.062	0.063	0.063
	B	0.053	0.053	0.053	0.053
Hatch Drain	A	0.049	0.048	0.048	0.048
	B	0.056	0.057	0.056	0.056
EDTA Ctrl w/o	A	0.001	0.001	0.001	0.001
Hatch w/o	A	0.001	0.001	0.001	0.001

Technician:  Date: 8/2/08 Statistics File No.

# AQUA-Science

## Environmental Toxicology Specialists ALGAL BIOASSAY DATA SHEETS

### 5.0 TEST INITIATION

WITHOUT EDTA		Sample	Counts		
Coulter Counter	Isoton	18	21	23	
Background Check	Control	106	97	107	
	Hatch Drain	70	89	72	

### 6.0 ALGAE COUNT

Replicate	Dilution Factor				Cell Counts			Mean
	Dil 1	Dil 2	Count	Factor	1	2	3	
1	0.25mL	0.5 to 2mL	0.5mL	160:1	29809	29874	29898	29866
2	sample							

Calculations:

Target: 10,000 cells/mL test solution

Time of Inoculation: 1451

Algal Stock Concentration:

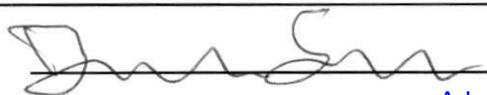
$$\frac{29866 \times 160}{\text{Average cell count} \times \text{Dilution Factor}} = \frac{4.7776 \times 10^6}{\text{cells/mL algal stock}}$$

Inoculation:

$$\frac{10,000 \text{ cells/mL solution} \times 150 \text{ mL test solution/concentration}}{4.7776 \times 10^6 \text{ cells/mL algal stock}} = 0.314 \text{ mL algal stock/conc.} = 314 \text{ } \mu\text{L algal stock/conc.}$$

Final Algal Density Check:

	ID	Count 1	Count 2	Count 3	Dilution	Adj. Avg.
Time: 1554	0-A	319	335	<del>326</del>	40:1	8960
	Hatch-D	286	306	297	40:1	8760
	Flask #3					
	Flask #4					
	Flask #5					
	Flask #6					
	Flask #7					

Technician:  Date: 7/29/08

# AQUA-Science

Environmental Toxicology Specialists

## ALGAL BIOASSAY DATA SHEETS

### 1.0 TEST AND CLIENT INFORMATION

Test Number:	ESJ 08-06A TIE	Study Director:	J. L. Miller
Protocol No.:	EPA 821-R-02-013	Technician(s):	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (072208) without EDTA		
Initiation Date:	July 29, 2008	Termination Date:	August 2, 2008

### 2.0 TEST CONDITIONS & TEST SPECIES INFORMATION

Species	Selenastrum capricornutum	Temperature	25.0°C ± 1.0°C
Source	University of Texas (UTEX)	Agitation	100 RPM continuous
Media	EPA Algal Assay Media (AAM)	Lighting	400 ft candles
Innoculation	10,000 cells/mL		
Comments			

### 3.0 DILUTION WATER INFORMATION

Dilution Water Source	D.O. (mg/L)	pH (units)	E. C. (µmhos)	Other	COMMENTS
R/O EPAMH	7.2	8.32	385		0.22 µm Metrigard vacuum filtered
Hatch Drain	6.5	8.13	1316		0.22 µm Metrigard vacuum filtered

### 4.0 PREPARATION OF EXPOSURE SOLUTIONS

Test Solution Conc.	Control	100							Comments
Sample (mL)	0	220							TECH: BEB
Dilution Water (mL)	220	0							TIME: 1215
TOTAL	220 mL	220 mL							
									Comments: 0 water filtered on 7/29/08 BEB

Technician: Bruce Date: 7/29/08

**ALGAL BIOASSAY DATA SHEETS**

**6.0 Lab Notes**

7/29/08

**ESJ 08-06A TIE**  
96 Hr. Static Growth  
*Selenastrum capricornutum*

**Ambient Samples (072208)**

Hatch Drain @ Tuolumne Rd (535XHDATR)

**1.0 Stock Preparation**

0.5 liters of Ambient Sample filtered through 0.22 µm Metrigard filter.  
0.5 liters R/O EPAMH filtered through 0.22 µm Metrigard filter

**2.0 Water Quality Measurement**

Water quality of dilution and effluent measured after addition of EPA Algal Assay Media (AAM). Section 3.0, page 1

**EPA Algal Assay Media Addition (Without EDTA)**

Algal Assay Media prepared as per EPA 821-R-02-013; Section 14-Tables 1 and 2

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **Ambient Sample**

Added 0.5 mL each of #1-5 EPA AAM to 0.5 L R/O EPAMH; **Control Water**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Column Blank**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Through Column**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Through Column + 1 mg/L EDTA**

Added 0.10 mL each of #1-5 EPA AAM to 0.10 L **C8 SPE 2X Addback**

Added 0.20 mL each of #1-5 EPA AAM to 0.20 L **Ambient Sample + 1 mg/L EDTA**

Stirred samples on magnetic stir plates for approx. 10 minutes.

**4.0 Background Counts**

Particle background counts measured with electronic particle counter - Coulter Counter, model ZBI.

Counts recorded on section 2.0, page 2.

**5.0 Exposure Series Preparation and Algal Inoculation**

All concentrations prepared as described in section 4.0, page 1, and held in 125 mL solution beakers .

All solutions were inoculated with pure culture algal stock in log phase growth to achieve a concentration of 10,000 cells/mL, calculations in section 6.0 page 2. All solutions thoroughly stirred. Divided the 150 mL solution beaker into 3-50 mL aliquots and distributed into flasks A, B and C. Placed all flasks randomly on a shaker table with 100 rpm continuous rotation in environmental chamber (continuous light at 25 °C ± 1 °C)

All flasks randomly rotated twice daily.

Technician:

Date:

7/29/08









**AQUA-Science**  
Environmental Toxicology Specialists

**WATER QUALITY REPORT FOR AQUATIC BIOASSAYS**

Test Number: <u>ESJ 08-06A TIE</u>	Study Director: <u>J.L. Miller</u>
Protocol No.: <u>EPA 821/R-02/013</u>	Technicians: <u>Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster</u>
Test Material: <u>ESJ Ag Waiver Samples (072208) without EDTA <b>BASELINE</b></u>	
Test Species: <u><i>Selenastrum capricornutum</i></u>	Animal Lot No.: <u>UTEX: 031308</u>
Initiation Date: <u>July 29, 2008</u>	Termination Date: <u>August 2, 2008</u>

Samples Conc.	Day 1				Day 2				Day 3			
	Temp.	D.O.*	pH^^	Cond.^	Temp	D.O.*	pH^^	Cond.^	Temp.	D.O.*	pH^^	Cond.^
Control	25	7.9	8.18	400	25	8.0	8.31	401	25	8.5	8.46	405
Hatch Drain	25	7.9	8.70	1269	25	7.9	8.79	1266	25	8.4	8.87	1244
	<u>BES 7/30/08</u>				<u>BES 7/31/08</u>				<u>GS 8/1/08</u>			

**UNIT INSTRUMENTATION LEGEND**

\*=Dissolved oxygen (mg/L): Meter ID 02                      \*\*Alkalinity (mg/L CaCO3); HACH Test Kit  
 ^^= pH: Meter ID 02    ~~=Water Hardness (mg/L CaCO3); HACH Test Kit  
 ^=Conductivity/Salinity (µmohs): Meter ID 03

**ADDITIONAL COMMENTS:**

Water Quality taken in "C" replicate  
 EPA Algal Assay Media (AAM) Without EDTA

**AQUA-Science**  
Environmental Toxicology Specialists

**WATER QUALITY REPORT FOR AQUATIC BIOASSAYS**

Test Number:	ESJ 08-06A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Samples (072208) + 1 mg/L EDTA (AAM - EDTA)		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	July 29, 2008	Termination Date:	August 2, 2008

Samples Conc.	Day 1				Day 2				Day 3			
	Temp.	D.O.*	pH^^	Cond.^	Temp	D.O.*	pH^^	Cond.^	Temp.	D.O.*	pH^^	Cond.^
EDTA Control	25	8.0	8.36	398	25	8.1	8.38	402	24	8.3	8.49	418
Hatch Drain	25	7.9	8.74	1254	25	8.0	8.80	1268	24	8.5	8.87	1239
	BES 7/30/08				BES 7/31/08							

**UNIT INSTRUMENTATION LEGEND**

\*=Dissolved oxygen (mg/L): Meter ID 02                      \*\*Alkalinity (mg/L CaCO3); HACH Test Kit

^^= pH: Meter ID 02    ~~=Water Hardness (mg/L CaCO3); HACH Test Kit

^=Conductivity/Salinity (µmohs): Meter ID 03

**ADDITIONAL COMMENTS:**

Water Quality taken in "C" replicate  
EPA Algal Assay Media (AAM) Without EDTA



LABORATORY NOTES

7/29/08	EDTA Standard
① 221.3mg of EDTA plus 20ml of ultra pure to give a 1° standard of:	
$\frac{221.3 \text{ mg}}{20 \text{ ml}} \approx \frac{10 \text{ mg}}{\text{ml}}$	
② making 2° standard: 1:10 dilution; 1ml of 1° EDTA Standard to 9ml of ultra pure.	
③ math: $\left(\frac{1 \text{ mg}}{1000 \text{ ml}}\right) (200 \text{ ml}) = \left(\frac{10 \text{ mg}}{\text{ml}}\right) (x)$	
$x = 0.02 \text{ ml}$ $= 20 \text{ ml}$	
dilution factor 10	
so, $20 \text{ ml} \times 10 = 200 \text{ ml}$	
$= 250 \text{ ml}$	
$= 300 \text{ ml}$	

Technician: Erin Su Date: 7/29/08













**APPENDIX IV**

**ALGAE PHASE I TIEs**

**ESJ 08-06 TIE  
(7/29/08 Sample Date)**

**Hilmar Drain @ Mitchell Rd**

**Summary of Chronic Phase I Algae TIE  
on ESJ Hilmar Drain @ Mitchell Rd 7/29/08 Sample  
(535XHDAMR)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comments</i>
<b>Baseline</b>	Lab Control	0.0665	0.8334	No toxicity detected in the sample
	100	0.0635	0.7944	
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control	0.0735	0.9246	
	100	0.0840	1.0614	
<b>C-8 SPE Through-Column</b>	Column Blank	0.0645	0.8074	
	100	0.0795	1.0028	
	Treatment Blank	0.0572	0.7123	
	2X add-back	0.0485	0.5990	
<b>C-8 SPE + EDTA</b>	100	0.0980	1.2437	

Sample Date: 7/29/08

Test Date: 8/5/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm – 0.0328

\* significantly different from control (p<0.05)

**Conclusion:**

Sample toxicity was lost prior to or during the TIE, therefore none of the treatments provided any useful information regarding the cause(s) of toxicity detected in the initial toxicity test.

## 08-06A RS TIE (7/29/08)

Sample	Rep	Absorbance	Mean	Cell Number	Mean	Cell Number	Mean	% difference
				(13.026*abs-0.0328)		x 10 <sup>6</sup>		
Baseline	A	0.056		0.6967		696656		
	B	0.077	0.0665	0.9702	0.8334	970202	833429	--
<b>Hilmar Drain</b>	A	0.063		0.7878		787838		
	B	0.064	0.0635	0.8009	0.7944	800864	794351	-5
EDTA Control	A	0.097		1.2307		1230722		
	B	0.050	0.0735	0.6185	0.9246	618500	924611	
EDTA	A	0.087		1.1005		1100462		
	B	0.081	0.0840	1.0223	1.0614	1022306	1061384	14
TX Control	A	0.061		0.7670		766996		
	B	0.053	0.0572	0.6576	0.7123	657578	712287	
Column blank	A	0.060		0.7488		748760		
	B	0.069	0.0645	0.8660	0.8074	865994	807377	
C-8	A	0.083		1.0484		1048358		
	B	0.076	0.0795	0.9572	1.0028	957176	1002767	23
2X Add-back	A	0.046		0.5664		566396		
	B	0.051	0.0485	0.6315	0.5990	631526	598961	
C8 + EDTA	A	0.102		1.2959		1295852		
	B	0.094	0.0980	1.1916	1.2437	1191644	1243748	33

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Environmental Toxicology Specialists

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-06A RS TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Sample (072908) without EDTA		<b>BASELINE</b>
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	August 5, 2008	Termination Date:	August 9, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Control	A	0.057	0.056	0.056	0.056
	B	0.076	0.077	0.077	0.077
Hilmar Drain	A	0.065	0.062	0.061	0.063
	B	0.067	0.063	0.063	0.064
Control w/o	A	—	—	—	—
Hilmar w/o	A	—	—	—	—

Technician: Kate Martin      Date: 8/9/08      Statistics File No.

**AQUA-Science**  
Environmental Toxicology Specialists

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-06A RS TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Sample (072908) without EDTA + C8TC + 1 mg/L EDTA		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	August 5, 2008	Termination Date:	August 9, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.097	0.096	0.097	0.097
	B	0.050	0.051	0.050	0.050
Hilmar Drain	A	0.102	0.102	0.102	0.102
	B	0.094	0.094	0.095	0.094
EDTA Ctrl w/o	A	—	—	—	—
Hilmar w/o	A	—	—	—	—

Technician: Kate Martin      Date: 8/9/08      Statistics File No.

**AQUA-Science**  
Environmental Toxicology Specialists

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-06A RS TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Miller/Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Sample (072908) without EDTA		<b>+ 1 mg/L EDTA</b>
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	August 5, 2008	Termination Date:	August 9, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	A	0.097	0.096	0.097	0.097
	B	0.050	0.051	0.050	0.050
Hilmar Drain	A	0.087	0.087	0.088	0.087
	B	0.081	0.081	0.081	0.081
EDTA Ctrl w/o	A	—	—	—	—
Hilmar w/o	A	—	—	—	—

Technician: Kate Martin      Date: 8/9/08      Statistics File No.

**AQUA-Science**  
Environmental Toxicology Specialists

**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-06A RS TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Walker/Yip/Concepcion/Ponferrada/Sanford/Soyster
Test Material:	ESJ Ag Waiver Sample (072908) without EDTA	<b>C-8 SPE + Add-Back</b>	
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	August 5, 2008	Termination Date:	August 9, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Tx Control	A	0.062	0.061	0.061	0.061
	B	0.054	0.053	0.053	0.053
Hilmar Drain Column Blank	A	0.061	0.059	0.060	0.060
	B	0.069	0.069	0.069	0.069
Hilmar Drain C8TC	A	0.084	0.082	0.082	0.083
	B	0.075	0.076	0.077	0.076
Hilmar Drain 2X Add-back	A	0.046	0.046	0.045	0.046
	B	0.051	0.051	0.051	0.051
Hilmar Col. Blk. w/o	A	—	—	—	—
Hilmar C8TC w/o	A	—	—	—	—

Technician: Kate Martin                      Date: 8/9/08                      Statistics File No.

















# AQUA-Science

Environmental Toxicology Specialists

## ALGAL BIOASSAY DATA SHEETS

### 5.0 TEST INITIATION

WITHOUT EDTA		Sample	Counts		
Coulter Counter	Isoton	30	38	34	
Background Check	Control	78	65	69	
	Hilmar Drain	336	327	330	

### 6.0 ALGAE COUNT

Replicate	Dilution Factor				Cell Counts			Mean
	Dil 1	Dil 2	Count	Factor	1	2	3	
1	0.25ml	0.5ml	0.5ml	160:1	64767	65038	65378	65058
2	Sample							

Calculations:

Target: 10,000 cells/mL test solution

Time of Inoculation: 1522

Algal Stock Concentration:

$$\frac{65058 \times 160}{\text{Average cell count} \times \text{Dilution Factor}} = \frac{10.4093 \times 10^6}{\text{cells/mL algal stock}}$$

Inoculation:

$$\frac{10,000 \text{ cells/mL solution} \times 150 \text{ mL test solution/concentration}}{10.4093 \times 10^6 \text{ cells/mL algal stock}} = 0.144 \text{ mL algal stock/conc.} = 144 \text{ } \mu\text{L algal stock/conc.}$$

Final Algal Density Check:

	ID	Count 1	Count 2	Count 3	Dilution	Adj. Avg.
Time: 1601	Flask #1	341	349	333	40:1	10800
	Flask #2				40:1	9320
	Flask #3					
	Flask #4					
	Flask #5					
	Flask #6					
	Flask #7					

Technician: Brian Sun Date: 8/5/08

**ALGAL BIOASSAY DATA SHEETS**

**6.0 Lab Notes**

7/29/08

**ESJ 08-06A RS TIE**  
96 Hr. Static Growth  
*Selenastrum capricornutum*

**Ambient Samples (072208)**

Hilmar Drain @ Mitchell Rd (535XHDAMR-RS)

**1.0 Stock Preparation**

0.5 liters of Ambient Sample filtered through 0.22 µm Metrigard filter.  
0.5 liters R/O EPAMH filtered through 0.22 µm Metrigard filter

**2.0 Water Quality Measurement**

Water quality of dilution and effluent measured after addition of EPA Algal Assay Media (AAM). Section 3.0, page 1

**EPA Algal Assay Media Addition (Without EDTA)**

Algal Assay Media prepared as per EPA 821-R-02-013; Section 14-Tables 1 and 2

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **Ambient Sample**

Added 0.5 mL each of #1-5 EPA AAM to 0.5 L R/O EPAMH; **Control Water**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Column Blank**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Through Column**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Through Column + 1 mg/L EDTA**

Added 0.10 mL each of #1-5 EPA AAM to 0.10 L **C8 SPE 2X Addback**

Added 0.20 mL each of #1-5 EPA AAM to 0.20 L **Ambient Sample + 1 mg/L EDTA**

Stirred samples on magnetic stir plates for apprx. 10 minutes.

**4.0 Background Counts**

Particle background counts measured with electronic particle counter - Coulter Counter, model ZBI.

Counts recorded on section 2.0, page 2.

**5.0 Exposure Series Preparation and Algal Inoculation**

All concentrations prepared as described in section 4.0, page 1, and held in 125 mL solution beakers .

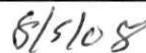
All solutions were inoculated with pure culture algal stock in log phase growth to achieve a concentration of 10,000 cells/mL, calculations in section 6.0 page 2. All solutions thoroughly stirred. Divided the 150 mL solution beaker into 3-50 mL aliquots and distributed into flasks A, B and C. Placed all flasks randomly on a shaker table with 100 rpm continuous rotation in environmental chamber (continuous light at 25 °C ± 1 °C)

All flasks randomly rotated twice daily.

Technician:



Date:





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**PHASE I ALGAE TIE PREPARATION DATA SHEET**

Client: MLJ-LLC  
TIE No.: ESJ 08-06A RS TIE  
Process Date: \_\_\_\_\_

Sample: Hilmar Drain  
Effluent Date: 7/29/2008

Treatment	Conc	Reps	Total Volume (250 mL)	Total Treated (mL)	Comments
Baseline	Control	3	--	150	
	100	3	150		
EDTA	EDTA Control	3	--	150	
	100	3	150		
Oasis SPE	Control	3	--	150	300 mL of SPE T-C required
	100	3	150		
SPE 2X Add-back		2	0	0	
		2	0		
Oasis SPE + EDTA	Control	3	--	150	
	100	3	150		
<b>TOTAL</b>				<b>600</b>	

**Comments**

Processed by/Date: Jim 8/4/08  
Administrative Record  
Page 16006

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**Environmental Toxicology Specialists**

**TIE ADD-BACK CALCULATION DATA SHEET**

Client:	<u>MLJ-LLC</u>	Test Species:	<u>Algae</u>
TIE No.:	<u>08-06 B - RS</u>	TIE Type:	<u>Phase I</u>
Sample/Date:	<u>Hilmar RS 7/29/08</u>		

1.0 Through-column volume: 500 mL

2.0 Eluate concentration factor:

Through-column volume 500 mL / eluate volume 2 mL = 250 X/mL

3.0 Total volume of add-back needed:

2 reps X 50 mL/rep = 100 / 150 mL

**Calculations**

**Add-Back Level 1:**

100 / 150 mL total volume needed X add-back level 2 / eluate concentration factor 250 X/mL  
= 0.8 / 1.2 mL ( 800 / 1200  $\mu$ L) of eluate

**Add-Back Level 2:** N/A

\_\_\_\_\_ mL total volume needed X add-back level \_\_\_\_\_ / eluate concentration factor \_\_\_\_\_ X/mL  
= \_\_\_\_\_ mL ( \_\_\_\_\_  $\mu$ L) of eluate

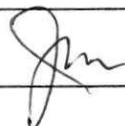
Processed by/Date: Jan 8/4/08

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Environmental Toxicology Consultants

LABORATORY NOTES						
Date: 8/3/08						
<i>Selenastrum capricornutum</i>						
Init: 080308 from 3x-B PC						
Init: 070808 from 031308 UTEX Slant						
Day 0 Date: 8/3/08 Initials: BES						
Background: 10, 14, 12		mean	dilution	cells/mL		
1X: 8250, 8245, 8207		8234	160:1	1.3174 x 10 <sup>6</sup>		
2X: 15128, 15228, 15225		15227	160:1	2.4363 x 10 <sup>6</sup>		
3X: 19127, 19313, 19203		19214	160:1	3.0742 x 10 <sup>6</sup>		
Day 1 Date: 08/04/08 Initials: MC						
Background: 18, 16, 20		mean	dilution	cells/mL	% improvement	
1X: 19871, 19812, 20632		20105	160:1	3.2168 x 10 <sup>6</sup>	144%	
2X: 32023, 32180, 32151		32118	160:1	5.1389 x 10 <sup>6</sup>	111%	
3X: 38136, 38081, 38391		38205	160:1	6.1127 x 10 <sup>6</sup>	99%	
Day 2 Date: 08/05/08 Initials: BES						
Background: 30, 38, 34		mean	dilution	cells/mL	% improvement	
1X: 35020, 35927, 35785		35579	160:1	5.6926 x 10 <sup>6</sup>	76%	
2X: 56066, 56479, 56167		56217	160:1	8.9947 x 10 <sup>6</sup>	75%	
3X: 64767, 65055, 65373		65058	160:1	10.4093 x 10 <sup>6</sup>	70%	
and Ref tox						
Used 3x P.C. to start PG and COR 08-03, COO 08-08 algae tests.						
Day 3 8/6/08 BES						
Background: 14, 7, 10		X	dilution	cells/mL	% improv.	
1X: 56469, 56874, 56505		56616	160:1	9.0586 x 10 <sup>6</sup>	59%	
2X: 62215, 62405, 6232		62251	↓	9.9602 x 10 <sup>6</sup>	11%	
3X: 71575, 71818, 71055		71209	↓	11.3934 x 10 <sup>6</sup>	9%	
USED 1X PC to start SJC0 08-06 MPM and ESJ 08-06 MPM Algae test.						

Technician: See aboveDate: 8/3/08

Study Director: \_\_\_\_\_


Date: 8/3/08











**APPENDIX V**

**ALGAE PHASE I TIEs**

**ESJ 08-07 TIE  
(8/19/08 Sample Date)**

**Hatch Drain @ Tuolomne Rd**

**Summary of Chronic Phase I Algae TIE  
on ESJ Hatch Drain @ Tuolumne Rd 8/19/08 Sample  
(535XHDATA)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10<sup>6</sup>)<sup>a</sup></i>	<i>Comments</i>
<b>Baseline</b>	Lab Control	0.0380	0.4622	No toxicity detected in the sample
	100	0.0925	1.1721	
<b>Baseline + 1 mg/L EDTA</b>	EDTA Control	0.0735	0.9246	
	100	0.1155	1.4717	
<b>C-8 SPE Through-Column</b>	Column Blank	0.0470	0.5794	
	100	0.0510	0.6315	
	Treatment Blank	0.0500	0.6185	
	2X add-back	0.0540	0.6706	
<b>C-8 SPE + EDTA</b>	100	0.0655	0.8204	

Sample Date: 8/19/08

Test Date: 8/26/08

a Cell number x 10<sup>6</sup> = 13.026 x absorbance @ 750 nm – 0.0328

\* Significantly different from control (p<0.05)

**Conclusion:**

Sample toxicity was lost prior to or during the TIE, therefore none of the treatments provided any useful information regarding the cause(s) of toxicity detected in the initial toxicity test.

## 08-07A TIE (8/19/08)

Sample	Rep	Absorbance	Mean	Cell Number	Mean	Cell Number	Mean	% difference
				(13.026*abs-0.0328)		x 10 <sup>6</sup>		
Baseline	A	0.038		0.4622		462188		
	B	0.038	0.0380	0.4622	0.4622	462188	462188	--
<b>Hatch Drain</b>	A	0.104		1.3219		1321904		
	B	0.081	0.0925	1.0223	1.1721	1022306	1172105	143
EDTA Control	A	0.088		1.1135		1113488		
	B	0.059	0.0735	0.7357	0.9246	735734	924611	
EDTA	A	0.115		1.4652		1465190		
	B	0.116	0.1155	1.4782	1.4717	1478216	1471703	57
TX Control	A	0.061		0.7618		761786		
	B	0.039	0.0500	0.4752	0.6185	475214	618500	
Column blank	A	0.043		0.5273		527318		
	B	0.051	0.0470	0.6315	0.5794	631526	579422	
C-8	A	0.050		0.6185		618500		
	B	0.052	0.0510	0.6446	0.6315	644552	631526	9
2X Add-back	A	0.059		0.7357		735734		
	B	0.049	0.0540	0.6055	0.6706	605474	670604	
C8 + EDTA	A	0.061		0.7618		761786		
	B	0.070	0.0655	0.8790	0.8204	879020	820403	-11

*Kan*  
9/18/08

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**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-07A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Walker/Concepcion/Ponferrada/Sanford/Soyster/Martin
Test Material:	ESJ Ag Waiver Sample (081908) without EDTA	<b>BASELINE</b>	
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	August 26, 2008	Termination Date:	August 30, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Control	A	0.038	0.038	0.037	0.038
	B	0.039	0.038	0.038	0.038
Hatch Drain	A	0.102	0.106	0.104	0.104
	B	0.082	0.091	0.091	0.081
Control w/o	A	0.001	0.001	0.001	0.001
Hatch w/o	A	0.001	0.001	0.001	0.001

Technician:  Date: 8/30/08 Statistics File No.



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**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-07A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Walker/Concepcion/Ponferrada/Sanford/Soyster/Martin
Test Material:	ESJ Ag Waiver Sample (081908) without EDTA		<b>C-8 SPE + Add-Back</b>
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	August 26, 2008	Termination Date:	August 30, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
Tx Control	A	0.060	0.061	0.061	0.061
	B	0.040	0.039	0.039	0.039
Hatch Drain Column Blank	A	0.043	0.043	0.043	0.043
	B	0.052	0.051	0.051	0.051
Hatch Drain C8TC	A	0.050	0.049	0.050	0.050
	B	0.053	0.052	0.051	0.052
Hatch Drain 2X Add-back	A	0.059	0.059	0.059	0.059
	B	0.048	0.049	0.049	0.049
Hatch Col. Blk. w/o	A	0.001	0.001	0.001	0.001
Hatch C8TC w/o	A	0.002	0.002	0.002	0.002

Technician:  Date: 8/30/08 Statistics File No.

**AQUA-Science**  
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**ALGAL BIOASSAY - CELL DETERMINATION**

Test Number:	ESJ 08-07A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/013	Technicians:	Walker/Concepcion/Ponferrada/Sanford/Soyster/Martin
Test Material:	ESJ Ag Waiver Sample (081908) without EDTA + C8TC + 1 mg/L EDTA		
Test Species:	<i>Selenastrum capricornutum</i>	Animal Lot No.:	UTEX: 031308
Initiation Date:	August 26, 2008	Termination Date:	August 30, 2008

Absorbance @ 750 nm with Hach DR 2800 Spectrophotometer					
Conc. (%)	Replicate	1	2	3	Mean
EDTA Control	ⓐ A	0.089	0.088	0.088	0.088
	B	0.059	0.059	0.059	0.059
Hatch Drain	A	0.066	0.058	0.058	0.061
	B	0.072	0.068	0.068	0.070
EDTA Ctrl w/o	A	0.001	0.001	0.002	0.001
Hatch w/o	A	0.002	0.002	0.002	0.002

Technician:  Date: 8/30/08 Statistics File No.

① NO REP USED IN PLACE OF A AS 8/30/08  
Administrative Record  
Page 16020

















# AQUA-Science

Environmental Toxicology Specialists

## ALGAL BIOASSAY DATA SHEETS

### 5.0 TEST INITIATION

WITHOUT EDTA		Sample	Counts		
Coulter Counter	Isoton	13	16	1	
Background Check	Control	95	84	91	
	Hatch Drain	63	75	71	

### 6.0 ALGAE COUNT

Replicate	Dilution Factor				Cell Counts			Mean
	Dil 1	Dil 2	Count	Factor	1	2	3	
1	0.25ml	0.5ml	0.5ml	160:1	33164	33057	33291	33171
2	Sample							

Calculations:

Target: 10,000 cells/mL test solution

Time of Inoculation: 1425

Algal Stock Concentration:

$$\frac{33171 \times 160}{\text{Average cell count} \times \text{Dilution Factor}} = \frac{5.3074 \times 10^6}{\text{cells/mL algal stock}}$$

Inoculation:  $\frac{10,000 \text{ cells/mL solution} \times 150 \text{ mL test solution/concentration}}{5.3074 \times 10^6 \text{ cells/mL algal stock}}$

= 0.2826 mL algal stock/conc. = 283  $\mu$ L algal stock/conc.

Final Algal Density Check:

	ID	Count 1	Count 2	Count 3	Dilution	Adj. Avg.
Flask #1	A	318	356	326	40:1	9720
Flask #2	Hatch-B	336	331	341	40:1	10610

Technician: B. S.

Date: 8/26/08

**Environmental Toxicology Specialists**  
**ALGAL BIOASSAY DATA SHEETS**

**6.0 Lab Notes**

8/26/08

**ESJ 08-07A TIE**  
96 Hr. Static Growth  
*Selenastrum capricornutum*

**Ambient Samples (081908)**

Hatch Drain (535XHDATR)

**1.0 Stock Preparation**

0.5 liters of Ambient Sample filtered through 0.22 µm Metrigard filter.  
0.5 liters R/O EPAMH filtered through 0.22 µm Metrigard filter

**2.0 Water Quality Measurement**

Water quality of dilution and effluent measured after addition of EPA Algal Assay Media (AAM). Section 3.0, page 1

**EPA Algal Assay Media Addition (Without EDTA)**

Algal Assay Media prepared as per EPA 821-R-02-013; Section 14-Tables 1 and 2  
Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **Ambient Sample**  
Added 0.5 mL each of #1-5 EPA AAM to 0.5 L R/O EPAMH; **Control Water**

Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Column Blank**  
Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Through Column**  
Added 0.2 mL each of #1-5 EPA AAM to 0.2 L **C8 SPE Through Column + 1 mg/L EDTA**  
Added 0.10 mL each of #1-5 EPA AAM to 0.10 L **C8 SPE 2X Addback**

Added 0.20 mL each of #1-5 EPA AAM to 0.20 L **Ambient Sample + 1 mg/L EDTA**

Stirred samples on magnetic stir plates for approx. 10 minutes.

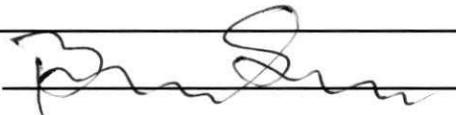
**4.0 Background Counts**

Particle background counts measured with electronic particle counter - Coulter Counter, model ZBI.  
Counts recorded on section 2.0, page 2.

**5.0 Exposure Series Preparation and Algal Inoculation**

All concentrations prepared as described in section 4.0, page 1, and held in 125 mL solution beakers .  
All solutions were inoculated with pure culture algal stock in log phase growth to achieve a concentration of 10,000 cells/mL, calculations in section 6.0 page 2. All solutions thoroughly stirred. Divided the 150 mL solution beaker into 3-50 mL aliquots and distributed into flasks A, B and C. Placed all flasks randomly on a shaker table with 100 rpm continuous rotation in environmental chamber (continuous light at 25 °C ± 1 °C)  
All flasks randomly rotated twice daily.

Technician:



Date:

8/26/08

# AQUA-Science

Environmental Toxicology Specialists

## ALGAL BIOASSAY DATA SHEETS

### 1.0 TEST AND CLIENT INFORMATION

Test Number:	ESJ 08-07A TIE	Study Director:	J. L. Miller
Protocol No.:	EPA 821-R-02-013	Technician(s):	Walker/Concepcion/Ponferrada/Sanford/Soyster/Martin
Test Material:	ESJ Ag Waiver Samples (081908) without EDTA		
Initiation Date:	August 26, 2008	Termination Date:	August 30, 2008

### 2.0 TEST CONDITIONS & TEST SPECIES INFORMATION

Species	<u>Selenastrum capricornutum</u>	Temperature	<u>25.0°C ± 1.0°C</u>
Source	<u>University of Texas (UTEX)</u>	Agitation	<u>100 RPM continuous</u>
Media	<u>EPA Algal Assay Media (AAM)</u>	Lighting	<u>400 ft candles</u>
Innoculation	<u>10,000 cells/mL</u>		
Comments			

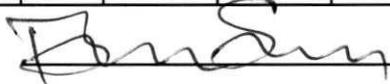
### 3.0 DILUTION WATER INFORMATION

Dilution Water Source	D.O. (mg/L)	pH (units)	E. C. (µmhos)	Other	COMMENTS
R/O EPAMH	7.5	8.21	460		0.22 µm Metrigard vacuum filtered
Hatch Drain (535XHDATR)	7.6	8.05	1368		0.22 µm Metrigard vacuum filtered

### 4.0 PREPARATION OF EXPOSURE SOLUTIONS

Test Solution Conc.	Control	100	500	1000	2000	5000	10000	Comments
Sample (mL)	0	500						TECH: <u>BES</u>
Dilution Water (mL)	500	0						TIME: <u>10:37</u>
TOTAL	500 mL	5000 mL						

Test Solution Conc.	Control	100	500	1000	2000	5000	10000	Comments

Technician: 

Date: 8/26/08

LABORATORY NOTES

08/25/08					
<i>Selenastrum capricornutum</i>					
Init: 082508 from 2x-13					
Init: 070808 from 031308 UTEX Slant					
Day 0 08/25/08 ISEJ					
Background	15, 21, 16	mean	dilution	cells/ml	
1X:	7328, 7346, 7315	7330	160:1	1.1728x10 <sup>6</sup>	
2X:	13265, 13292, 13306	13289	↓	2.1262x10 <sup>6</sup>	
3X:	20596, 20581, 20561	20579	↓	3.2926x10 <sup>6</sup>	
Day 1 08/26/08 ISEJ					
Background	13, 16, 19	mean	dilution	cells/ml	% improvement
1X:	19761, 19970, 19706	19812	160:1	3.1699x10 <sup>6</sup>	170%
2X:	33164, 33057, 33291	33171	↓	5.3074x10 <sup>6</sup>	150%
3X:	43246, 43338, <del>43277</del>	43274	↓	6.9238x10 <sup>6</sup>	110%
USED 2x PC to start Hatch 08/27/08 algal test					

Technician:     B. Brown     Date:     8/26/08

**AQUA-Science**  
Environmental Toxicology Specialists

**TIE ADD-BACK CALCULATION DATA SHEET**

Client:	<u>ESJ A TIE</u>	Test Species:	<u>Algal</u>
TIE No.:	<u>08-07 TIE</u>	TIE Type:	<u>phase I</u>
Sample Date:	<u>8/19/08</u>		

1.0 Through-column volume: 500 mL

2.0 Eluate concentration factor:

Through-column volume 500 mL / eluate volume 2 mL = 250 X/mL

3.0 Total volume of add-back needed:

2 reps X <sup>50</sup>~~100~~ mL/rep = 100 mL

**Calculations**

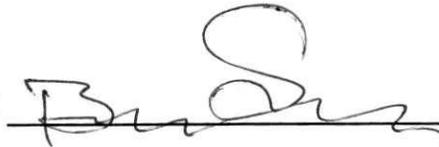
Add-Back Level 1: 2X

100 mL total volume needed X add-back level 2 / eluate concentration factor 250 X/mL  
= 0.8 mL (800 µL) of eluate

Add-Back Level 2: N/A

\_\_\_\_\_ mL total volume needed X add-back level \_\_\_\_\_ / eluate concentration factor \_\_\_\_\_ X/mL  
= \_\_\_\_\_ mL (\_\_\_\_\_ µL) of eluate

Processed by/Date:

  
\_\_\_\_\_









**APPENDIX VI**

**ACUTE C. DUBIA TIEs**

**ESJ 08-06 TIE  
(7/22/08 Sample Date)**

**Silva Drain @ Meadow Rd**

**Summary of Acute Phase I *Ceriodaphnia dubia* TIE  
on ESJ Silva Drain 7/22/08 Sample  
(535XSDAMD)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>96-hr Survival (%)</i>	<i>Toxic Units (TUa)<sup>a</sup></i>	<i>Comment</i>
<b>Baseline</b>	Lab Control	100	NOEC = 12.5%	Based on the EC <sub>50</sub> , the sample contained 5.2 TUa
	6.25	100	<b>(8 TUa)</b>	
	12.5	100		
	25	10*	EC <sub>50</sub> = 19.4%	
	50	0*	<b>(5.2 TUa)</b>	
	100	0*		
<b>Baseline + 100 ppb PBO</b>	PBO Control	100	NOEC = 100%	PBO prevented the majority of the toxicity.
	6.25	100	<b>(1 TUa)</b>	
	12.5	100		
	25	100	EC <sub>50</sub> > 100%	
	50	95	<b>(&lt; 1 TUa)</b>	
	100	90		
<b>C-8 SPE Through- Column</b>	Column Blank	100	--	Toxicity removed by SPE extraction. Non-polar organic (NPO) toxicity indicated; consistent with OP toxicity
	100	100		
<b>C-8 SPE Column 2X Add-Back</b>	MeOH Ctrl	100	--	Toxicity not recovered in methanol eluate
	2X add-back	100		
<b>Baseline + EDTA</b>	EDTA Control	100	--	EDTA treatment ineffective; toxicity not caused by cationic chemicals
	100	0*		
<b>OP-Specific Enzyme</b>			--	Toxicity removed at 10 mg/L and reduced at 50 mg/L. OP insecticide toxicity suspected.
	<b>10 mg/L</b>	Control	100	
		100	95	
	<b>50 mg/L</b>	Control	95	
100		60*		

Sample Date: 7/22/08

Test Date: 7/24/08

a TUa = 100/NOEC; TUa = 100/EC<sub>50</sub>

\* significantly different from control (p<0.05)

**Conclusion:**

Toxicity was prevented by PBO, removed by SPE and eliminated by the OP-specific enzyme (Landguard™). The TIE results are consistent with OP insecticide-caused toxicity.

**Acute Ceriodaphnia Test-96 Hr Survival**

Start Date: 7/24/2008      Test ID: a1310806Ta      Sample ID: SILVA DRAIN  
 End Date: 7/28/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: BASELINE  
 Sample Date: 7/22/2008      Protocol: EPA A5-EPA 821-R-02-012      Test Species: CD-Ceriodaphnia dubia  
 Comments: ESJ 08-06A TIE: Ceriodaphnia Bioassay

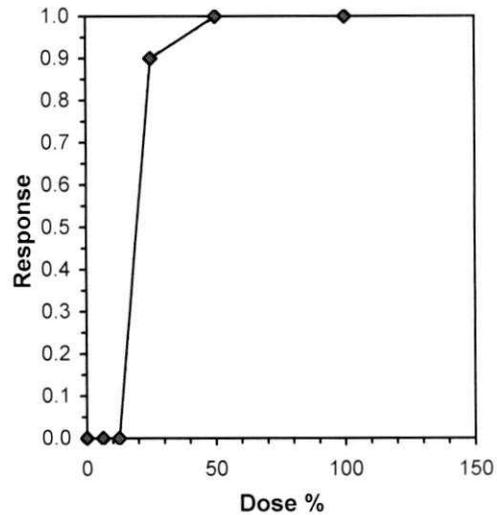
Conc-%	1	2	3	4
Control	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000
12.5	1.0000	1.0000	1.0000	1.0000
25	0.0000	0.0000	0.0000	0.4000
50	0.0000	0.0000	0.0000	0.0000
100	0.0000	0.0000	0.0000	0.0000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					Rank Sum	1-Tailed Critical	Isotonic	
			Mean	Min	Max	CV%	N			Mean	N-Mean
Control	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4			1.0000	1.0000
6.25	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4	18.00	10.00	1.0000	1.0000
12.5	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4	18.00	10.00	1.0000	1.0000
*25	0.1000	0.1000	0.3403	0.2255	0.6847	67.468	4	10.00	10.00	0.1000	0.1000
50	0.0000	0.0000	0.2255	0.2255	0.2255	0.000	4			0.0000	0.0000
100	0.0000	0.0000	0.2255	0.2255	0.2255	0.000	4			0.0000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01) Equality of variance cannot be confirmed	0.56485	0.844	2.55551	9.36813

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	12.5	25	17.6777	8

Linear Interpolation (200 Resamples)					
Point	%	SD	95% CL(Exp)		Skew
IC05	13.194	0.070	13.083	13.512	0.8847
IC10	13.889	0.140	13.667	14.524	0.8847
IC15	14.583	0.210	14.250	15.536	0.8847
IC20	15.278	0.279	14.833	16.548	0.8847
IC25	15.972	0.349	15.417	17.560	0.8847
IC40	18.056	0.559	17.167	20.595	0.8847
IC50	19.444	0.698	18.333	22.619	0.8847



**AQUA-Science**  
Environmental Toxicology Consultants

**MORTALITY AND BEHAVIOR OBSERVATIONS**

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 <b>BASELINE</b>		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Ambient (%)	Vessel No.	Cumulative Mortality				Comments
		Day 1	Day 2	Day 3	Day 4	
Control	A	0	0	0	0	n=5 animals/rep
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
6.25	A	0	0	0	0	Test Initiation Info: Time: 1455 Tech: CW
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
12.5	A	0	0	0	0	Test Termination Info: Time: 1405 Tech: MC ① neonates present CW 07/27/08 ② neonates present MC 07/28/08
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
25	A	0	1	3	5	
	B	0	0	0	5	
	C	0	1	3	5	
	D	0	0	1	3	
50	A	4	5	/	/	
	B	5	/	/	/	
	C	5	/	/	/	
	D	5	/	/	/	
100	A	5	/	/	/	
	B	5	/	/	/	
	C	5	/	/	/	
	D	5	/	/	/	

Technician Initials	CW	CW	CW	MC
Observation Time	1530	1600	1440	1405
Observation Date	07/25/08	07/26/08	07/27/08	07/28/08

**Acute Ceriodaphnia Test-96 Hr Survival**

Start Date: 7/24/2008      Test ID: a1310806Ta      Sample ID: SILVA DRAIN  
 End Date: 7/28/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: BASELINE  
 Sample Date: 7/22/2008      Protocol: EPA A5-EPA 821-R-02-012      Test Species: CD-Ceriodaphnia dubia  
 Comments: ESJ 08-06A TIE: Ceriodaphnia Bioassay

Conc-%	1	2	3	4
Control	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000
12.5	1.0000	1.0000	1.0000	1.0000
25	0.0000	0.0000	0.0000	0.4000
50	0.0000	0.0000	0.0000	0.0000
100	0.0000	0.0000	0.0000	0.0000

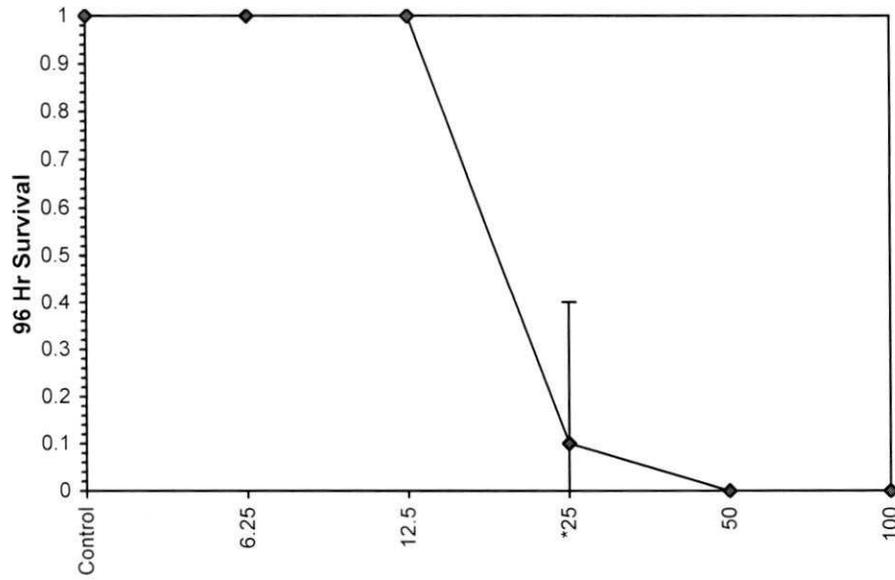
Conc-%	Transform: Arcsin Square Root							1-Tailed		
	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
Control	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4			
6.25	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4	0.000	2.290	0.1859
12.5	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4	0.000	2.290	0.1859
*25	0.1000	0.1000	0.3403	0.2255	0.6847	67.468	4	12.380	2.290	0.1859
50	0.0000	0.0000	0.2255	0.2255	0.2255	0.000	4			
100	0.0000	0.0000	0.2255	0.2255	0.2255	0.000	4			

Auxiliary Tests	Statistic	Critical	Skew	Kurt						
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01) Equality of variance cannot be confirmed	0.56485	0.844	2.55551	9.36813						
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	12.5	25	17.6777	8	0.10992	0.11571	1.00996	0.01318	4.3E-08	3, 12

**Acute Ceriodaphnia Test-96 Hr Survival**

Start Date: 7/24/2008      Test ID: a1310806Ta      Sample ID: SILVA DRAIN  
End Date: 7/28/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: BASELINE  
Sample Date: 7/22/2008      Protocol: EPA A5-EPA 821-R-02-012      Test Species: CD-Ceriodaphnia dubia  
Comments: ESJ 08-06A TIE: Ceriodaphnia Bioassay

**Dose-Response Plot**







**AQUA-Science**  
Environmental Toxicology Consultants

**WATER QUALITY REPORT FOR AQUATIC BIOASSAYS**

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 <b>Baseline</b>		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Ambient (%)	OBSERVATIONS Day (1) Date: 07/25/08					24 Hour Obsv.			
	Temperature (°C)	Dissolved Oxygen*	pH^^	Alkalinity **/ Hardness~	Conductivity ^	Temp	D.O.*	pH^^	Cond. ^
Lab Control	25	8.2	8.24	67/90	334	24	7.2	7.96	359
6.25	24	8.2	8.16	—	325	25	7.1	7.99	347
12.5	24	8.2	8.12	—	315	25	7.1	7.95	336
25	24	8.1	8.08	—	293	25	7.2	7.90	314
50	24	8.2	8.04	—	246	24	7.4	8.03	270
100	—	8.9/8.2 <sup>10</sup>	—	—	—	—	—	—	—

**UNIT INSTRUMENTATION LEGEND**

\*=Dissolved oxygen (mg/L): Meter ID 02                      \*\*Alkalinity (mg/L CaCO<sub>3</sub>): HACH Test Kit

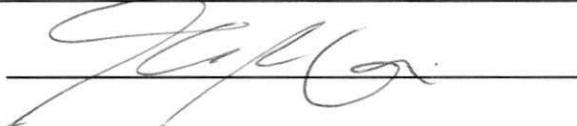
^^= pH: Meter ID 02    ~=Water Hardness (mg/L CaCO<sub>3</sub>): HACH Test Kit

^=Conductivity/Salinity (µmohs): Meter ID 03

**ADDITIONAL COMMENTS:** desaturated before use MC 07/25/08

Lab Control = 2x carbon filtered reverse osmosis water at EPA moderately hard level using EPA salts.  
Dilution water ID = R10EAMH #253

All surface waters filtered through a 60 µm screen daily

Technician:                       Date: 07/25/08





**Acute Ceriodaphnia Test-96 Hr Survival**

Start Date: 7/24/2008      Test ID: a1310806Tb      Sample ID: SILVA DRAIN  
 End Date: 7/28/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: PBO  
 Sample Date: 7/22/2008      Protocol: EPA A5-EPA 821-R-02-012      Test Species: CD-Ceriodaphnia dubia  
 Comments: ESJ 08-06A TIE: Ceriodaphnia Bioassay

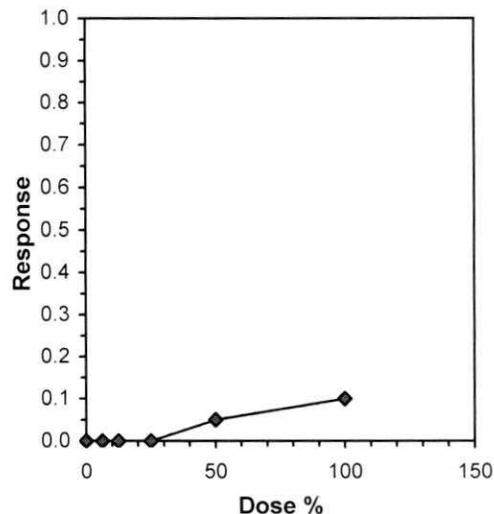
Conc-%	1	2	3	4
PBO Control	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000
12.5	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000
50	1.0000	1.0000	1.0000	0.8000
100	1.0000	0.8000	0.8000	1.0000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					Rank Sum	1-Tailed Critical	Isotonic	
			Mean	Min	Max	CV%	N			Mean	N-Mean
PBO Control	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4			1.0000	1.0000
6.25	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4	18.00	10.00	1.0000	1.0000
12.5	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4	18.00	10.00	1.0000	1.0000
25	1.0000	1.0000	1.3385	1.3181	1.3453	1.015	4	16.00	10.00	1.0000	1.0000
50	0.9500	0.9500	1.2857	1.1071	1.3453	9.261	4	16.00	10.00	0.9500	0.9500
100	0.9000	0.9000	1.2262	1.1071	1.3453	11.212	4	14.00	10.00	0.9000	0.9000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01) Equality of variance cannot be confirmed	0.80584	0.884	-0.8417	2.14184
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	100	>100		1

**Linear Interpolation (200 Resamples)**

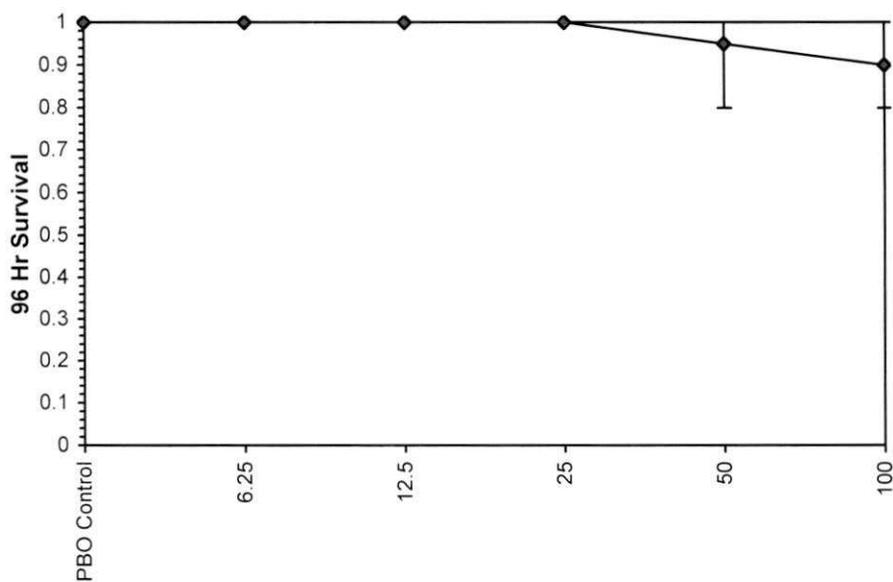
Point	%	SD	95% CL(Exp)	Skew
IC05	50.000			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



Acute Ceriodaphnia Test-96 Hr Survival

Start Date: 7/24/2008 Test ID: a1310806Tb Sample ID: SILVA DRAIN  
End Date: 7/28/2008 Lab ID: CAAS-Aqua-Science 946160 Sample Type: PBO  
Sample Date: 7/22/2008 Protocol: EPA A5-EPA 821-R-02-012 Test Species: CD-Ceriodaphnia dubia  
Comments: ESJ 08-06A TIE: Ceriodaphnia Bioassay

Dose-Response Plot



**Acute Ceriodaphnia Test-96 Hr Survival**

Start Date: 7/24/2008      Test ID: a1310806Tb      Sample ID: SILVA DRAIN  
 End Date: 7/28/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: PBO  
 Sample Date: 7/22/2008      Protocol: EPA A5-EPA 821-R-02-012      Test Species: CD-Ceriodaphnia dubia  
 Comments: ESJ 08-06A TIE: Ceriodaphnia Bioassay

Conc-%	1	2	3	4
PBO Control	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000
12.5	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000
50	1.0000	1.0000	1.0000	0.8000
100	1.0000	0.8000	0.8000	1.0000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%	Critical			MSD	
PBO Control	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4				
6.25	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4	0.000	2.410	0.1269	
12.5	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4	0.000	2.410	0.1269	
25	1.0000	1.0000	1.3385	1.3181	1.3453	1.015	4	0.129	2.410	0.1269	
50	0.9500	0.9500	1.2857	1.1071	1.3453	9.261	4	1.131	2.410	0.1269	
100	0.9000	0.9000	1.2262	1.1071	1.3453	11.212	4	2.261	2.410	0.1269	

Auxiliary Tests	Statistic	Critical	Skew	Kurt						
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01)	0.80584	0.884	-0.8417	2.14184						
Equality of variance cannot be confirmed										
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	100	>100		1	0.06913	0.07277	0.00963	0.00554	0.17713	5, 18

**AQUA-Science**  
Environmental Toxicology Consultants

**MORTALITY AND BEHAVIOR OBSERVATIONS**

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 + 100 ppb PBO		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Ambient (%)	Vessel No.	Cumulative Mortality				Comments
		Day 1	Day 2	Day 3	Day 4	
PBO Ctrl.	A	0	0	0	0	n=5 animals/rep
	B	0	0	0	0	
	C	0	0	0	0	
	D n=4	0	0	0	0	
6.25	A	0	0	0	0	Test Initiation Info: Time: 1510 Tech: CW
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
12.5	A	0	0	0	0	Test Termination Info: Time: 1411 Tech: MC
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
25	A	0	0	0	0	neonates present MC 07/28/08
	B n=4	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
50	A	0	0	0	0	
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	1	1	1	
100	A	0	0	0	0	
	B	1	1	1	1	
	C	1	1	1	1	
	D	0	0	0	0	

Technician Initials	CW	CW	CW	MC
Observation Time	1545	1520	1455	1411
Observation Date	07/25/08	07/26/08	07/27/08	07/28/08

# AQUA-Science

## Environmental Toxicology Consultants

### DOSE PREPARATION SHEET

7/24/08

ESJ 08-06 A TIE

96 hr. Static Acute bioassay w/ 24 hr. Changeout

*Ceriodaphnia dubia*

**+ PBO @ 100 µg/L**

Test Concentrations: Control, 6.25, 12.5, 25, 50, 100 + PBO

PBO Standard: 0.1 mg/mL Piperonyl butoxide (PBO)

ESJ A Sample: Silva Drain - 535XSDAMD

72208

Control water = Reverse Osmosis water amended with EPA salts  
to achieve EPAMH specifications (R/O EPAMH)

All surface waters filtered through 60 µm screen

Sample	Amount Sample (mL)	Dilution Water (mL)	Total (mL)*	Amt PBO (µL)
Control	0	100	100	100
6.25	6.25	QS to 100	100	100
12.5	12.5	QS to 100	100	100
25	25	QS to 100	100	100
50	50	QS to 100	100	100
100	100	0	100	100

	Day 0	Day 1	Day 2	Day 3
Tech	MC	MC	NP	MC
Time	1300	1130	1225	1007
Date	7/24/08	7/25/08	7/26/08	7/27/08

n = 5 animals/replicate - 4 replicates/concentration

**AQUA-Science**  
Environmental Toxicology Consultants

**WATER QUALITY REPORT FOR AQUATIC BIOASSAYS**

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 + 100 ppb PBO		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Ambient (%)	OBSERVATIONS Day (0) Date: 07/24/08					24 Hour Obsv.			
	Temperature (°C)	Dissolved Oxygen*	pH <sup>^^</sup>	Alkalinity **/ Hardness~	Conductivity ^	Temp	D.O.*	pH <sup>^^</sup>	Cond. ^
PBO Control	25	8.2	7.92	65/92	350	24	7.4	7.98	370
6.25	25	8.2	8.03	-	339	24	6.8	7.88	357
12.5	25	8.2	8.05	-	327	24	6.2	7.79	344
25	25	8.2	8.01	-	302	24	5.8	7.70	319
50	24	8.2	7.92	-	251	24	4.6	7.54	269
100	24	5.2/8.10	7.65	32/44	150	24	2.8	7.36	167

**UNIT INSTRUMENTATION LEGEND**

\*=Dissolved oxygen (mg/L): Meter ID 02

\*\*Alkalinity (mg/L CaCO<sub>3</sub>): HACH Test Kit

<sup>^^</sup>= pH: Meter ID 02

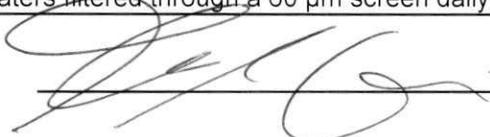
~=Water Hardness (mg/L CaCO<sub>3</sub>): HACH Test Kit

<sup>^</sup>=Conductivity/Salinity (µmohs): Meter ID 03

**ADDITIONAL COMMENTS:** Disinfectant before use MC 07/24/08

Lab Control = 2x carbon filtered reverse osmosis water at EPA moderately hard level using EPA salts.  
Dilution water ID = R10 EPAMH #254

All surface waters filtered through a 60 µm screen daily

Technician: 

Date: 07/24/08



# AQUA-Science

Environmental Toxicology Consultants

## WATER QUALITY REPORT FOR AQUATIC BIOASSAYS

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 + 100 ppb PBO		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Ambient (%)	OBSERVATIONS Day (2) Date: 07/26/08					24 Hour Obsv.			
	Temperature (°C)	Dissolved Oxygen*	pH^^	Alkalinity **/ Hardness~	Conductivity ^	Temp	D.O.*	pH^^	Cond. ^
PBO Control	25	8.2	7.99	67/90	334	25	5.45	7.82	351
6.25	25	8.1	8.03	-	329	25	4.2	7.77	338
12.5	25	8.3	8.13	-	310	25	2.7	7.83	333
25	25	8.3	8.12	-	289	25	2.0	7.69	311
50	25	8.3	8.00	-	240	25	1.4	7.61	257
100	25	8.5	7.98	—	144	25	1.4	7.57	101

ML 07/27/08

### UNIT INSTRUMENTATION LEGEND

\*=Dissolved oxygen (mg/L): Meter ID 02

\*\*Alkalinity (mg/L CaCO<sub>3</sub>): HACH Test Kit

^^= pH: Meter ID 02

~=Water Hardness (mg/L CaCO<sub>3</sub>): HACH Test Kit

^=Conductivity/Salinity (µmohs): Meter ID 03

**ADDITIONAL COMMENTS:** Ommy error ML 07/27/08

Lab Control = 2x carbon filtered reverse osmosis water at EPA moderately hard level using EPA salts.

Dilution water ID = 210 EPAMH #253

All surface waters filtered through a 60 µm screen daily

Technician: *Nomy Proferson*

Date: 7/26/08



**Acute Ceriodaphnia Test-96 Hr Survival**

Start Date: 7/24/2008      Test ID: a1310806Tc      Sample ID: SILVA DRAIN  
 End Date: 7/28/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: ENZYME - 10 mg/L  
 Sample Date: 7/22/2008      Protocol: EPA A5-EPA 821-R-02-012      Test Species: CD-Ceriodaphnia dubia  
 Comments: ESJ 08-06A TIE: Ceriodaphnia Bioassay

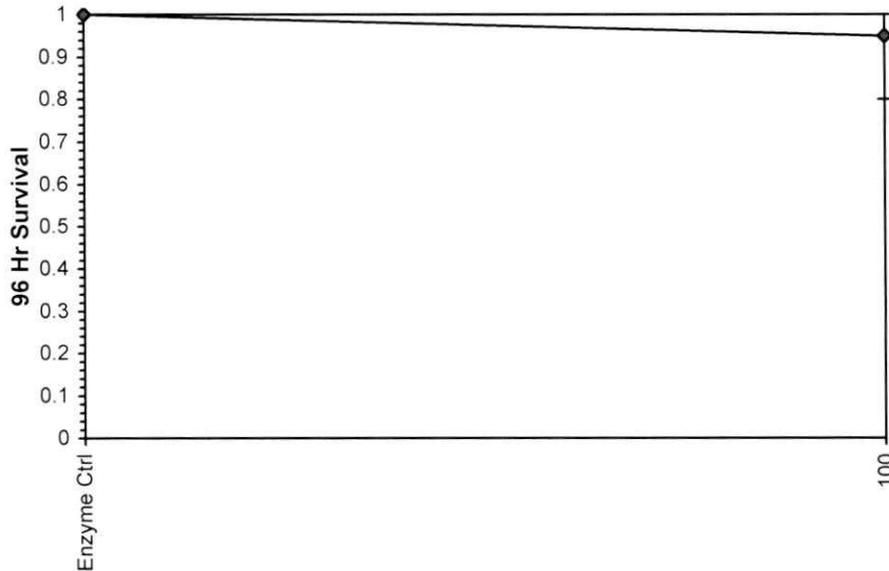
Conc-%	1	2	3	4
Enzyme Ctrl	1.0000	1.0000	1.0000	1.0000
100	1.0000	1.0000	1.0000	0.8000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					Rank Sum	1-Tailed Critical
			Mean	Min	Max	CV%	N		
Enzyme Ctrl	1.0000	1.0000	1.3453	1.3453	1.3453	0.000	4		
100	0.9500	0.9500	1.2857	1.1071	1.3453	9.261	4	16.00	11.00

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01)	0.7064	0.749	-2.0367	4.9
Equality of variance cannot be confirmed				

**Hypothesis Test (1-tail, 0.05)**  
 Wilcoxon Two-Sample Test indicates no significant differences

**Dose-Response Plot**



**Acute Ceriodaphnia Test-96 Hr Survival**

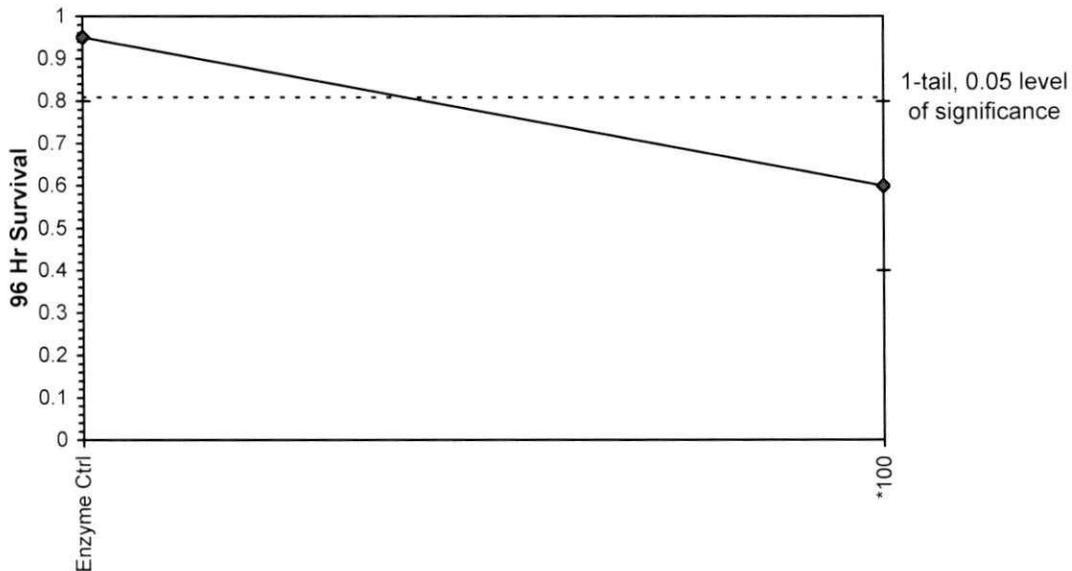
Start Date: 7/24/2008      Test ID: a1310806Td      Sample ID: SILVA DRAIN  
 End Date: 7/28/2008      Lab ID: CAAS-Aqua-Science 946160      Sample Type: ENZYME - 50 mg/L  
 Sample Date: 7/22/2008      Protocol: EPA A5-EPA 821-R-02-012      Test Species: CD-Ceriodaphnia dubia  
 Comments: ESJ 08-06A TIE: Ceriodaphnia Bioassay

Conc-%	1	2	3	4
Enzyme Ctrl	1.0000	0.8000	1.0000	1.0000
100	0.4000	0.6000	0.8000	0.6000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root				N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%			Critical	MSD
Enzyme Ctrl	0.9500	1.0000	1.2857	1.1071	1.3453	9.261	4	3.766	1.943	0.2037
*100	0.6000	0.6316	0.8910	0.6847	1.1071	19.366	4			

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.90718	0.749	-0.2759	-0.0212		
F-Test indicates equal variances (p = 0.56)	2.10013	47.4672				
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates significant differences	0.14136	0.1535	0.31165	0.02198	0.00933	1, 6

**Dose-Response Plot**



# AQUA-Science

Environmental Toxicology Consultants

## MORTALITY AND BEHAVIOR OBSERVATIONS

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 <b>SPE TC, MeOH Ctrl., 2X Addback, + EDTA</b>		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Tx. Ambient (%)	Vessel No.	Cumulative Mortality				Comments
		Day 1	Day 2	Day 3	Day 4	
Column Blank	A	0	0	0	0	n=5 animals/rep
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
100 C8TC	A	0	0	0	0	Test Initiation Info: Time: 1500 Tech: CW
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
MeOH Ctrl	A	0	0	0	0	Test Termination Info: Time: 1430 Tech: MC
	B <sub>n=4</sub>	0	0	0	0	
2X Addback	A	0	0	0	0	neonates present MC 07/28/08
	B	0	0	0	0	
EDTA Ctrl	A	0	0	0	0	
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
100 + EDTA	A	5	/	/	/	
	B	5	/	/	/	
	C	5	/	/	/	
	D	5	/	/	/	

Technician Initials	CW	CW	CW	MC
Observation Time	1540	1510	1445	1430
Observation Date	07/25/08	07/26/08	07/27/08	07/28/08

**AQUA-Science**  
Environmental Toxicology Consultants

**MORTALITY AND BEHAVIOR OBSERVATIONS**

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 <b>Enzyme Addition</b>		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Tx. Ambient (%)	Vessel No.	Cumulative Mortality				Comments
		Day 1	Day 2	Day 3	Day 4	
10 mg/L Ctrl	A	0	0	0	0	n=5 animals/rep
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	0	0	0	
100% + 10 mg/L	A	0	0	0	0	Test Initiation Info: Time: 1520 Tech: CW
	B	0	0	0	0	
	C	0	0	0	0	
	D	0	1	1	1	Test Termination Info: Time: 1420 Tech: MC
50 mg/L Ctrl	A	0	0	0	0	chronic present MC 07/28/08
	B	0	0	1	1	
	C	0	0	0	0	
	D	0	0	0	0	
100% + 50 mg/L	A	0	0	3	3	
	B	0	1	2	2	
	C	0	1	1	1	
	D	2	2	2	2	

Technician Initials	CW	CW	CW	MC
Observation Time	1554	1535	1505	1420
Observation Date	07/25/08	07/26/08	07/27/08	07/28/08

# AQUA-Science

## Environmental Toxicology Consultants

### DOSE PREPARATION SHEET

7/24/08

ESJ 08-06 A TIE

96 hr. Static Acute bioassay w/ 24 hr. Changeout

*Ceriodaphnia dubia*

#### SPE Through Column

Test Concentrations: Column Blank, 100% SPE TC, MeOH Control, 2X Addback

SPE TC Eluate: 357x

ESJ A Sample: Silva Drain - 535XSDAMD

72208

Control water = Reverse Osmosis water amended with EPA salts

to achieve EPAMH specifications (R/O EPAMH)

All surface waters filtered through 60 µm screen

Sample	Amount Sample (mL)	Dilution Water (mL)	Total (mL)*	Amt. MeOH/ Eluate (mL)
Column Blank	0	100	100	0
100	100	0	100	0
MeOH Ctrl.	0	40	40	0.224
2X Addback	0	40	40	0.224

#### + 8 mg/L EDTA

Test Concentrations: Control, 100 + 8 mg/L EDTA

EDTA Standard: 10 mg/mL EDTA

Sample	Amount Sample (mL)	Dilution Water (mL)	Total (mL)*	Amt EDTA (mL)
EDTA Ctrl.	0	100	100	0.08
100	100	0	100	0.08

#### + Enzyme

Test Concentrations: 10 mg/L Control, 100% + 10 mg/L, 50 mg/L Control, 100% + 50 mg/L

Enzyme Preparation: 100 mg of enzyme in 10 mL R/O EPAMH = 10 mg/mL

Sample	Amount Sample (mL)	Dilution Water (mL)	Total (mL)*	Amt Enzyme (mL)
10 mg/L Ctrl	0	100	100	0.1
100% + 10 mg/L	100	0	100	0.1
50 mg/L Ctrl	0	100	100	0.5
100% + 50 mg/L	100	0	100	0.5

\* 20 mL used to measure pH, 80 mL inoculated for test; n = 5 animals/replicate - 4 replicates/concentration

	Day 0	Day 1	Day 2	Day 3
Tech	MC	MC	NP	MC
Time	1320	1150	1215	1030
Date	07/24/08	07/25/08	7/26/08	07/27/08



# AQUA-Science

Environmental Toxicology Consultants

## WATER QUALITY REPORT FOR AQUATIC BIOASSAYS

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 <b>SPE TC, EDTA addition, Enzyme addition</b>		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Ambient (%)	OBSERVATIONS Day (1) Date: 07/25/08					24 Hour Obsv.			
	Temperature (°C)	Dissolved Oxygen*	pH^^	Alkalinity **/ Hardness~	Conductivity ^	Temp	D.O.*	pH^^	Cond. ^
Column Blk.	24	10.2 83	7.89	—	374	25	7.2	8.20	398
100 SPE TC	24	9.4 85	7.94	—	156	25	7.1	7.72	177
EDTA Ctrl.	25	8.1	7.89	—	354	25	7.0	8.03	376
100 + EDTA	—	—	—	—	—	—	—	—	—
10 mg/L enzyme Ctrl.	25	8.2	7.80	—	337	25	6.5	7.91	363
100% + 10 mg/L enzyme	25	8.1	7.92	—	152	25	6.4	7.51	173
50 mg/L enzyme Ctrl.	25	8.1	7.96	—	339	25	4.3	7.61	368
100% + 50 mg/L enzyme	25	8.1	7.90	—	154	25	4.3	7.31	188

07/26/08

### UNIT INSTRUMENTATION LEGEND

\*=Dissolved oxygen (mg/L): Meter ID 02

\*\*Alkalinity (mg/L CaCO<sub>3</sub>); HACH Test Kit

^^= pH: Meter ID 02

~=Water Hardness (mg/L CaCO<sub>3</sub>); HACH Test Kit

^=Conductivity/Salinity (µmohs): Meter ID 03

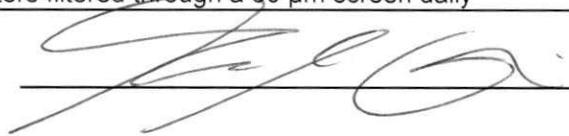
### ADDITIONAL COMMENTS:

Lab Control = 2x carbon filtered reverse osmosis water at EPA moderately hard level using EPA salts.

Dilution water ID = R10 6PAMH #253

All surface waters filtered through a 60 µm screen daily

Technician: \_\_\_\_\_



Date: \_\_\_\_\_

07/25/08

# AQUA-Science

Environmental Toxicology Consultants

## WATER QUALITY REPORT FOR AQUATIC BIOASSAYS

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 <b>SPE TC, EDTA addition, Enzyme addition</b>		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Ambient (%)	OBSERVATIONS Day (2) Date: 07/26/08					24 Hour Obsv.			
	Temperature (°C)	Dissolved Oxygen*	pH^^	Alkalinity **/ Hardness~	Conductivity ^	Temp	D.O.*	pH^^	Cond. ^
Column Blk.	25	9.9 <sup>0</sup> /8.3	7.88	—	370	24	6.8	8.01	393
100 SPE TC	25	9.8 <sup>0</sup> /8.3	7.90	—	153	25	7.1	7.81	167
EDTA Ctrl.	25	8.1	7.89	—	351	24	6.7	7.91	366
100 + EDTA	—	—	—	—	—	—	—	—	—
10 mg/L enzyme Ctrl.	25	8.1	7.77	—	334	25	6.4	7.84	357
100% + 10 mg/L enzyme	25	8.1	7.82	—	150	24	6.3	7.61	169
50 mg/L enzyme Ctrl.	25	8.2	7.99	—	329	24	3.5	7.49	367
100% + 50 mg/L enzyme	25	8.3	8.00	—	156	25	3.7	7.40	184

MC 07/27/08

### UNIT INSTRUMENTATION LEGEND

\*=Dissolved oxygen (mg/L): Meter ID 02

\*\*Alkalinity (mg/L CaCO<sub>3</sub>); HACH Test Kit

^^= pH: Meter ID 02

~=Water Hardness (mg/L CaCO<sub>3</sub>); HACH Test Kit

^=Conductivity/Salinity (µmohs): Meter ID 03

### ADDITIONAL COMMENTS:

Lab Control = 2x carbon filtered reverse osmosis water at EPA moderately hard level using EPA salts.

Dilution water ID = R/D PAMH #253

All surface waters filtered through a 60 µm screen daily

Technician: *Nom Profenak*

Date: 7/26/08

# AQUA-Science

Environmental Toxicology Consultants

## WATER QUALITY REPORT FOR AQUATIC BIOASSAYS

Test Number:	ESJ 08-06 A TIE	Study Director:	J.L. Miller
Protocol No.:	EPA 821/R-02/012	Technicians:	Miller/Walker/Yip/Concepcion/Sanford/Soyster
Test Material:	Silva Drain (535XSDAMD) 07/22/08 <b>SPE TC, EDTA addition, Enzyme addition</b>		
Test Species:	<i>Ceriodaphnia dubia</i>	Animal Lot No.:	A/S RO: 072408
Initiation Date:	July 24, 2008	Termination Date:	July 28, 2008

Ambient (%)	OBSERVATIONS Day (3) Date: 07/27/08					24 Hour Obsv.			
	Temperature (°C)	Dissolved Oxygen*	pH^^	Alkalinity **/ Hardness~	Conductivity ^	Temp	D.O.*	pH^^	Cond. ^
Column Blk.	24	12.5/8.5 <sup>0</sup>	8.08	—	376	25	7.7	8.12	390
100 SPE TC	24	10.9/8.5 <sup>0</sup>	7.69	—	158	25	7.6	7.56	167
EDTA Ctrl.	24	8.4	8.04	—	342	26	7.8	8.00	351
100 + EDTA	—	—	—	—	—	—	—	—	—
10 mg/L enzyme Ctrl.	24	8.3	8.07	—	338	25	7.4	7.92	353
100% + 10 mg/L enzyme	25	8.1	8.06	—	157	25	7.0	7.43	169
50 mg/L enzyme Ctrl.	24	8.3	8.13	—	339	25	4.8	7.49	366
100% + 50 mg/L enzyme	25	7.8	8.08	—	156	25	3.8	7.10	185

MC 07/28/08

### UNIT INSTRUMENTATION LEGEND

\*=Dissolved oxygen (mg/L): Meter ID 02

\*\*Alkalinity (mg/L CaCO<sub>3</sub>): HACH Test Kit

^^= pH: Meter ID 02

~=Water Hardness (mg/L CaCO<sub>3</sub>): HACH Test Kit

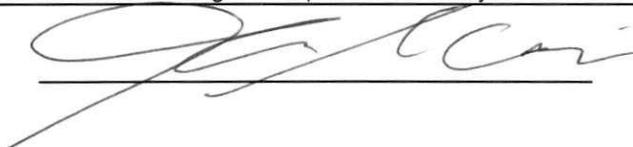
^=Conductivity/Salinity (µmohs): Meter ID 03

### ADDITIONAL COMMENTS: Desaturated MC 07/27/08

Lab Control = 2x carbon filtered reverse osmosis water at EPA moderately hard level using EPA salts.

Dilution water ID = R10 EPAMH #253

All surface waters filtered through a 60 µm screen daily

Technician: 

Date: 07/27/08

**AQUA-Science**  
**Environmental Toxicology Specialists**

**TIE ADD-BACK CALCULATION DATA SHEET**

Client:	<u>MJL-LLC</u>	Test Species:	<u>Cerio</u>
TIE No.:	<u>ESJ 08-06A</u>	TIE Type:	<u>Phase I</u>
Sample Date:	<u>7/21/08 Silva Drain</u>		

1.0 Through-column volume: 1000 mL

2.0 Eluate concentration factor:

Through-column volume 1000 mL / eluate volume 2.8 mL = 357 X/mL

3.0 Total volume of add-back needed:

2 reps X 20 mL/rep = 40 mL

**Calculations**

Add-Back Level 1: 2X

40 mL total volume needed X add-back level 2 / eluate concentration factor 357 X/mL  
= 0.224 mL (224  $\mu$ L) of eluate

Add-Back Level 2: Not done

\_\_\_\_\_ mL total volume needed X add-back level \_\_\_\_\_ / eluate concentration factor \_\_\_\_\_ X/mL  
= \_\_\_\_\_ mL ( \_\_\_\_\_  $\mu$ L) of eluate

Landguard Enzyme

USE: 10 mg/L = 0.1 mL

50 mg/L = 0.5 mL

enzyme prepared on 7/24/08

10 mg/mL: Add 100.0 mg of enzyme to 10.0 mL of EPA MH water. Vortex for 30 sec. REFRIGERATE

Processed by/Date: Jim 7/24/08















## **Appendix VII**

# **Meeting Agendas and Handouts**

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## **2008 Meetings/Mailings with Associated Handouts**

### **June 18, 2008: Creek Walk Follow-Up**

#### **Meeting Announcement**

---

#### **East San Joaquin Water Quality Coalition**

1201 L Street  
Modesto, CA 95354  
www.esjcoalition.org

May 9, 2008

#### **re: Property draining upstream of the following locations:**

- \* Dry Creek @ Wellsford Road
- \* Hatch Drain @ Tuolumne Road
- \* Westport Drain @ Vivian Road
- \* Prairie Flower Drain @ South Morgan Rd

Name  
Address  
City

Dear Mr. Jones;

Over the past four years, the ESJWQC has performed water quality monitoring in the waterways listed above. Results from numerous sampling events indicate these waterways do not meet standards set by the Central Valley Regional Water Quality Control Board for several parameters (pesticides, E. coli, metals).

Despite numerous mailings to landowners along these waterways, we continue to find exceedances of water quality standards. Since the ESJWQC and its members are committed to solving water quality problems, the coalition contracted with the County Agricultural Commissioner's office to "walk the creeks" and identify and record locations where pipes, conduits or drainage enters these waterways. **You have been identified as a property owner where such a potential discharge point is located -- see enclosed map for discharge site locations.**

Landowners within the Central Valley who have irrigation water and/or stormwater leaving their irrigated lands **must** obtain regulatory coverage. These discharges of irrigation or storm water may potentially contribute "waste" (as defined in the California Water Code) to surface waters (rivers, creeks, sloughs, lakes). Pesticide residues, nutrients and sediment are examples of waste that are typically discharged. The Water Board allows landowners and/or operators of irrigated lands to obtain regulatory coverage required by the California Water Code by:

- Joining a Water Board-approved Coalition Group that forms on behalf of individual growers; or
- Obtaining individual coverage under the Individual Discharger Conditional Waiver.

**Some of you receiving this letter are already members of ESJWQC, while others are not. In order to more fully explain your responsibilities as a discharger, the Coalition has**

scheduled a workshop at the location below. Please plan to attend (or send someone representing you).

**Wednesday, June 18, 2008, 10 am – 12 pm**  
Stanislaus County Farm Bureau office  
1201 L Street, Modesto, CA

If you have questions, please contact us at the numbers below.

Regards,



Parry Klassen  
Executive Director  
559-646-2224



Wayne Zipser  
Co-Chairman  
209-522-7278

---

## Meeting Agenda

**Meeting Agenda**  
East San Joaquin Water Quality Coalition  
**Creek Walk Follow-up**  
Water Monitoring Results/BMP Outreach Workshop

June 18, 2008  
Stanislaus County Farm Bureau office  
Modesto, CA.  
10 am -12 pm

<b>10:00 am Welcome and Water Coalition background</b>	Parry Klassen <i>ESJWQC Executive</i>
<i>Director</i>	
<i>Farm Bureau</i>	Wayne Zipser <i>Stanislaus County</i>
<b>10:15 am Meeting Purpose/Creek Walk project review</b>	Klassen
<b>10:30 am Targeted Waterways Monitoring Results</b>	Michael Johnson
LLC	<i>ESJWQC</i>
<i>Monitoring Program</i>	
<i>Manager</i>	
Dry Creek @ Wellsford Road	

Hatch Drain @ Tuolumne Road  
Westport Drain @ Vivian Road  
Prairie Flower Drain @ South Morgan Rd

**11:00 am Coalition Follow-up Activities**

Klassen

Pesticide Use Reports review  
Further grower contacts  
**BMPs to address exceedances**  
Dormant spray applications  
In season practices

**Regional Water Board responsibilities**

Lisa Wilson  
Dania Huggins  
Central Valley

Regional Water  
Board

11:45 – 12 pm  
and Questions

Open Discussion

12 pm

Sponsored Lunch

**Sponsored by**  
**East San Joaquin Valley Water Quality Coalition**

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## July 1, 2008: Letter to Almond and Alfalfa growers in all counties

### Cover Letter

---



Tuesday, July 1, 2008

**ID # 0000**

Farmer Name & Company  
101 America Street  
Anytown, CA 99999

Dear Member,

Nine waterways sampled by the ESJWQC in July 2007 were found to have exceedances of chlorpyrifos insecticide (Lorsban, Lock-On, Govern). After numerous conversations with growers and crop advisors, it appears the exceedances were likely caused by two factors: **spray drift and irrigation runoff after an application**. The most frequent chlorpyrifos uses in July are applications for Navel Orange Worm (NOW) in almonds and for alfalfa weevil in alfalfa.

While multiple exceedances occurred (see enclosed chart), all but one were just slightly over water quality standards for chlorpyrifos. These low numbers are one reason for suspecting spray drift into the waterways as a primary cause. The other is that the highest July exceedance in Black Rascal Creek – more than 100 times higher than the others – was traced to an almond grower who had irrigation drainage into the creek not long after making a chlorpyrifos hull split application. Drift was also believed to be a contributor.

Although the exceedances prompted development of Management Plans for those nine waterways and future scrutiny by regulators, we believe these exceedances are a problem that can be solved. **Preventing spray drift is a “doable” management practice** and can eliminate future movement of the insecticide into waterways. In particular, following the chlorpyrifos label-required buffer between waterways (25 feet for boom sprayers, 50 feet for orchard sprayers) and not spraying when the wind is blowing toward the waterway. Irrigation drainage after a chlorpyrifos application should be delayed 48 hours or is discouraged altogether unless the water can be held on the farm. Keep in mind that if you switch to pyrethroid insecticides, they too can be transported off site through drift or in irrigation drainage and detected in coalition sediment monitoring.

When a problem is identified in a watershed where you farm, simply being a Coalition member does not satisfy Regional Water Board regulations. You must also do the following:

- 1. Read and follow the enclosed Best Management Practice (BMP) information.** If you farm near a waterway, work to adopt practices that minimize movement of chlorpyrifos from your fields. You can find more information on BMPs for irrigated crops at [www.curesworks.org](http://www.curesworks.org).
- 2. Complete the enclosed Management Practice survey.** Completing the enclosed survey is the first step for the ESJWQC and landowners to understand how certain management practices may help improve water quality. All Coalition members in watersheds with Management Plans must submit a

Over

management practice survey as it is a significant measurement of success to the Water Board. Information from the survey can help guide recommendations and adoption of management practices to protect surface water and solve water quality problems. ***(If your survey is already on file with us, this envelope will not contain a blank survey.)***

**3. Attend Coalition workshops.** These meetings will be scheduled this fall in your area to review 2008 water sampling results and provide information on management practices.

**Why should I bother?** Grower participation in workshops, completing surveys and more importantly, adopting BMPs on lands contributing to runoff or spray drift problems are key success measures for you and the ESJWQC to remain in compliance with the Irrigated Lands Regulatory Program. Failure to solve water quality problems through watershed-wide efforts could lead to regulations requiring individual permitting of each farm by the Regional Water Board.

**Please return the survey in the enclosed envelope before August 30.** The information is very valuable to the Coalition.

Contact us at the numbers below if you have questions.

Sincerely,



Parry Klassen  
Executive Director, ESJWQC  
559-646-2224



Wayne Zipser  
Stanislaus County Farm Bureau  
209-522-7278

**List of Surveys already Received and 2007 Chlorpyrifos Exceedance Chart**



**Subwatershed Parcels**

**Member Information**

**ID # 0000**

Farmer Name and Company  
 101 America Street  
 Anytown, CA 99999

**We have received your survey responses for the below parcels. Thank you for your participation.**

Acres	APN	Crop	County	Subwatershed(s)	ID #
50.00	138-140-004	Almonds	Merced	MR_SNTAFE	0000
97.00	238-140-010	Almonds	Merced	MR_SNTAFE	0000
452.90	342-150-035	Almonds	Merced	MR_SNTAFE	0000
40.00	442-150-036	Almonds	Merced	MR_SNTAFE	0000
7.80	542-150-037	Almonds	Merced	MR_SNTAFE	0000
157.00	642-160-007	Almonds	Merced	MR_SNTAFE	0000
154.00	742-160-037	Almonds	Merced	MR_SNTAFE	0000

958.70 Acres within the Merced River at Santa Fe Subwatershed

**July 2007 Chlorpyrifos\* Exceedances**

\*[Lorsban, Lock-On, Govern]

Survey Site Code	Testing Site	Sample Date	Chlorpyrifos Level 0.015 µg/L*
BRC_YOSRD	Black Rascal Creek @ Yosemite Rd	24/Jul/2007	3.7
JD_OAK	Jones Drain @ Oakdale Rd	17/Jul/2007	0.055
BC_KIBRD	Bear Creek @ Kibby Rd	24/Jul/2007	0.049
SD_MDWDR	Silva Drain @ Meadow Dr	17/Jul/2007	0.031
BS_AVE18	Berenda Slough along Ave 18 1/2	24/Jul/2007	0.028
DC_WELSRD	Dry Creek @ Wellsford Rd	17/Jul/2007	0.021
MR_SNTAFE	Merced River @ Santa Fe	17/Jul/2007	0.018**
WD_VIVRD	Westport Drain @ Vivian Rd	17/Jul/2007	0.018**
HC_LOMB	Highline Canal @ Lombardy Ave	17/Jul/2007	0.017**
HC_HWY99	Highline Canal @ Hwy 99	17/Jul/2007	0.017**

\* State Standard

\*\* Indicates that the detection level is an estimate.

## Example of Management Practices Survey



### Subwatershed Parcels

#### Member Information

ID # 0000

Farmer Name and Company  
101 America Street  
Anytown, CA 99999

Please answer the questions below based on how you farm the parcels listed.

Acres	APN	Crop	County	Subwatershed(s)	ID #
350.00	115-002-021	Almonds	Stanislaus	DC_WELSRD	0000
248.00	215-002-031	Almonds	Stanislaus	DC_WELSRD	0000
98.00	315-002-032	Almonds	Stanislaus	DC_WELSRD	0000
696.00	Acres within the Dry Creek at Wellsford Road Subwatershed				

#### Management Practices Survey for Dry Creek at Wellsford Road Subwatershed

- What kind of drainage system is used to handle runoff from storms or irrigation water?
 

Storm	Irrigation		Storm	Irrigation	
<input type="checkbox"/>	<input type="checkbox"/>	Discharge to local drainage system	<input type="checkbox"/>	<input type="checkbox"/>	Sediment settling ditch
<input type="checkbox"/>	<input type="checkbox"/>	Recirculation system	<input type="checkbox"/>	<input type="checkbox"/>	None
<input type="checkbox"/>	<input type="checkbox"/>	Holding basin	<input type="checkbox"/>	<input type="checkbox"/>	No runoff occurs
			<input type="checkbox"/>	<input type="checkbox"/>	Other _____
- Who is most responsible for making decisions about application of pesticides or manure for your operation?
 

Owner                       Employee                       Other: \_\_\_\_\_
- Who actually applies the pesticides or manure for your operation?
 

Owner                       Employee                       Contractor                       Other: \_\_\_\_\_
- What most influences your decision to select a pesticide or other pest management strategy in your field(s)?
 

Monitor pest situation; use appropriate treatment  
 Spray based on past history of pest problems  
 Spray according to calendar date
- Have you applied chlorpyrifos (Lorsban, Lock-On, Govern) to your crop in the last 12 months? Yes / No (circle answer)  
 If yes, what is the distance between your crop and waterway such as a drainage ditch?
 

50 feet                       100 feet                       150 feet or more
- If you HAVE applied chlorpyrifos to your crop, how long between the application and irrigation?
 

12 hrs                       24 hrs                       36 hrs                       48 hrs or more
- Which of the following herbicides have you applied to cropland in the last 12 months? (check all that apply).
 

Trifluralin (Treflan)     Eptam                       Prowl                       Simazine  
 Metolachlor             Metribuzin               Cyanazine               Prometryn
- Have you applied copper fungicides to your cropland in the last 12 months? Yes / No (circle answer)  
 If yes, what is the distance between your treated crop and waterway such as a drainage ditch?
 

50 feet                       100 feet                       150 feet or more
- Do you normally spot treat insect-infested areas or treat an entire field to prevent further infestation?
 

Spot treat only             Treat whole field always     Decision based on many variables
- What is the minimum distance between any pesticide or fertilizer mixing/loading area and any ditches, canals or streams that feed into nearby rivers?
 

Less than 20 feet         Between 20 and 100 feet     More than 100 feet

11. Is vegetation allowed to grow in and along field drainage ditches to trap sediment?  
 Yes                       No                       Some growth in winter

12. What practices have you used to lessen storm or irrigation runoff from fields into ditches, canals or streams? Indicate time frame when practices were installed, in the past 12 months or prior to 2007.

- |                          |                          |   |
|--------------------------|--------------------------|---|
| Last 12 Months           | Prior to 2007            |   |
| <input type="checkbox"/> | <input type="checkbox"/> | Gravity tailwater recapture irrigation system |
| <input type="checkbox"/> | <input type="checkbox"/> | Vegetative filter strips around field edges   |
| <input type="checkbox"/> | <input type="checkbox"/> | Grass row centers (in orchards)               |
| <input type="checkbox"/> | <input type="checkbox"/> | Recirculation - tail water return system      |
| <input type="checkbox"/> | <input type="checkbox"/> | Grass waterways                               |
| <input type="checkbox"/> | <input type="checkbox"/> | Others (list) _____                           |
| <input type="checkbox"/> | <input type="checkbox"/> | None  |

13. Which of the following management practices (sometimes referred to as "Best Management Practices" or "BMPs") do you **most frequently** implement to protect surface water quality? (Check all that apply)

- |                          |                          |  |                          |   |
|--------------------------|--------------------------|--|--------------------------|---|
| Last 12 Months           | Prior to 2007            |  | Last 12 Months           | Prior to 2007                             |
| <input type="checkbox"/> | <input type="checkbox"/> | Obtain soil nutrient analysis              | <input type="checkbox"/> | <input type="checkbox"/>                  |
| <input type="checkbox"/> | <input type="checkbox"/> | Use vegetative buffers and/or grass swales | <input type="checkbox"/> | <input type="checkbox"/>                  |
| <input type="checkbox"/> | <input type="checkbox"/> | Follow a nutrient management plan          | <input type="checkbox"/> | <input type="checkbox"/>                  |
| <input type="checkbox"/> | <input type="checkbox"/> | Get agronomist's advice on practices       | <input type="checkbox"/> | <input type="checkbox"/>                  |
| <input type="checkbox"/> | <input type="checkbox"/> | Attend commodity-specific training session | <input type="checkbox"/> | <input type="checkbox"/>                  |
| <input type="checkbox"/> | <input type="checkbox"/> | Obtain Certified Crop Advisor (CCA)        |                          | <input type="checkbox"/>                  |
|                          |                          |  |                          | Use tailwater return system               |
|                          |                          |  |                          | Obtain a PCA pesticide recommendation     |
|                          |                          |  |                          | Perform sprayer calibration               |
|                          |                          |  |                          | Laser leveling of fields                  |
|                          |                          |  |                          | Other: _____                              |
|                          |                          |  |                          | (or equivalent) fertilizer recommendation |

14. If you **are not** already implementing the "BMPs" listed in question 12 & 13 that are applicable to your operation, why not?

- Lack of knowledge (for example, engineering)
- I don't believe it is applicable for my operation
- I'm not convinced it will work
- Lack of available equipment
- Cost of implementation
- Other: \_\_\_\_\_

15. Please check all the manure types that your agricultural operation has applied in the past 5 years, currently apply, and intend to apply in the next 5 years. (Check all that apply)

	Dairy	Chicken	Other: (Please specify: _____)
Used in the past 5 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Currently use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intend to use in the next 5 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16. Approximately how many total tons of manure do you apply annually (and rate per acre)?

Dairy: \_\_\_\_\_ Rate/ac: \_\_\_\_\_  
 Chicken: \_\_\_\_\_ Rate/ac: \_\_\_\_\_  
 Other: \_\_\_\_\_ (Please specify) Rate/ac: \_\_\_\_\_

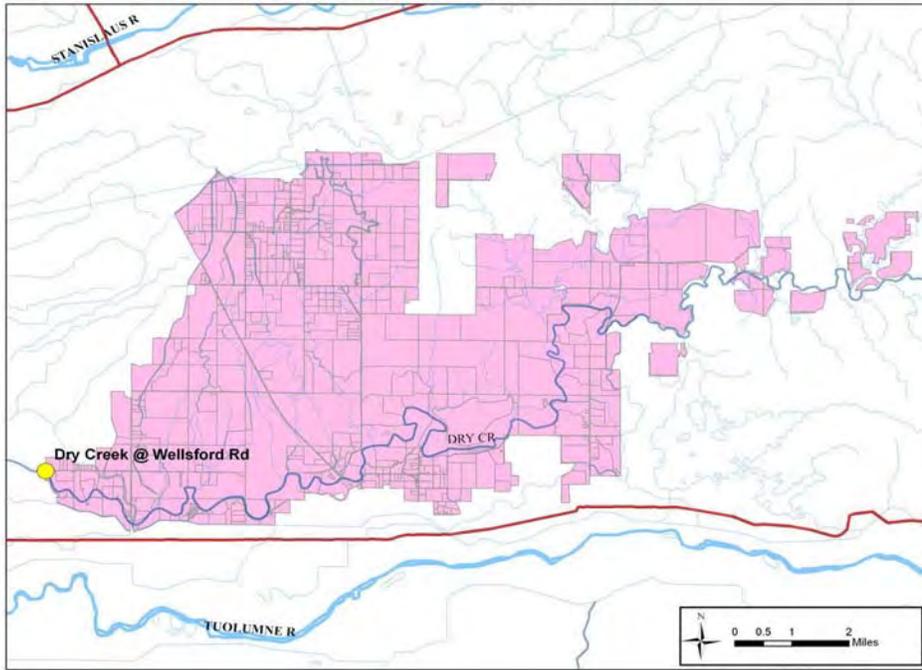
17. How close are surface water ways (creeks, drains, irrigation ditches or canals, etc) to the fields you apply manure?

- Adjacent                       Very Close (within 100 ft)                       Close (Within 300 ft)                       Distant (>300 ft)

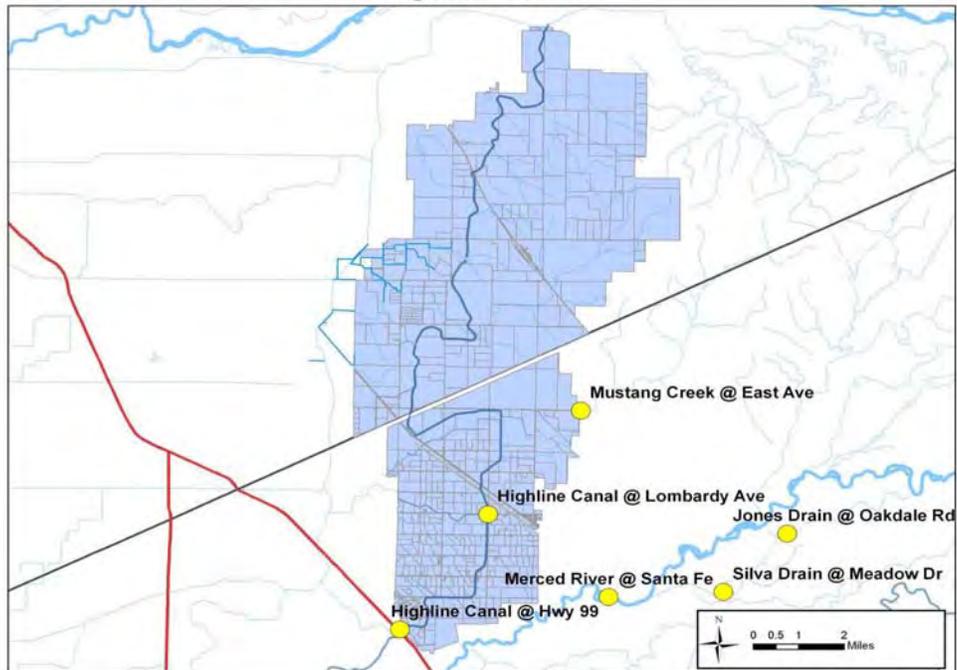
**THANK YOU**

# Maps of Subwatersheds

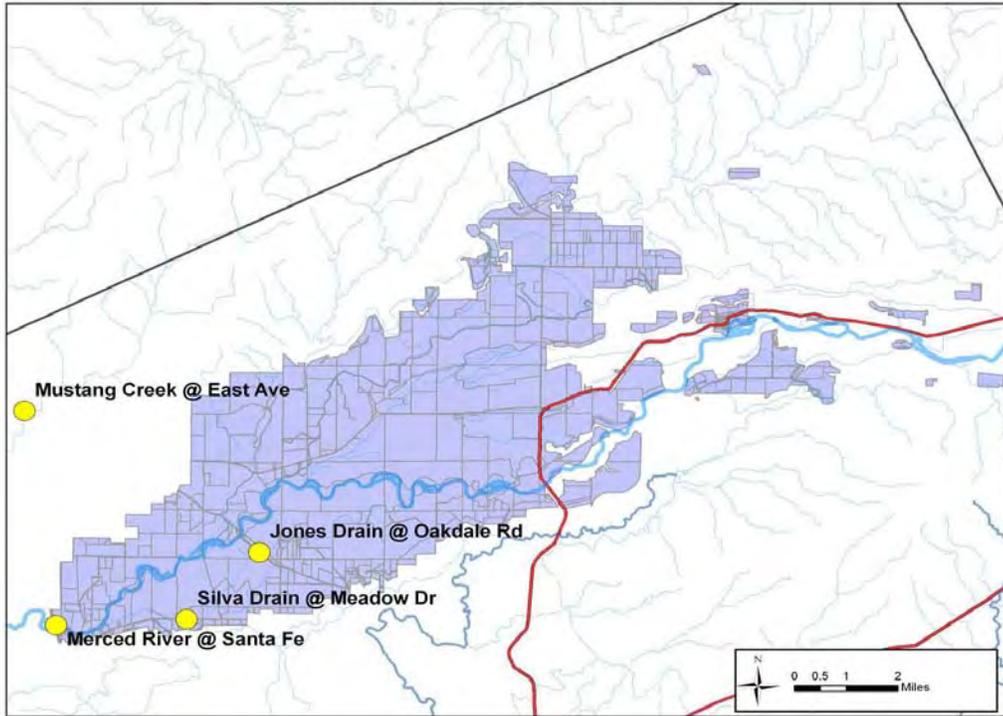
### Dry Creek at Wellsford Road



### Highline Canal



### Merced River at Santa Fe



October 7, 21, 28, and November 4, 2008: Merced Community College  
Pest Management Update Course—3<sup>rd</sup>, 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> Meetings

Meeting Announcement

# Merced Community College

Presents  
*Pest Management Update Course*  
**21 Hours**

**Next Classes Fall 2008**  
**Sept 23, 30 Oct 7, 14, 21, 28 & Nov 4**

**From 8am to 11am Each Day**  
**Merced County Agricultural Center**  
**2145 West Wardrobe Ave. Merced**



**CLASS FEE \$100.00 TOTAL**

- Includes all needed materials
- Guest Speakers
- Convenient Location & Times
- Earn Continuing Education Units
- Coffee & Donuts Each Morning

## **21-Hour Class**

- **LAWS: HEADQUARTER INSPECTIONS**
- **LAWS: SPRAYER CALIBRATION & BMPS FOR MIXING/SPRAYING**
- **LAWS: INTERNET REPORTING & DORMANT SEASON REGULATIONS**
- **LAWS: MITIGATION IN ORCHARD SYSTEMS/PESTICIDE IN SURFACE WATER**
- **LAWS: MITIGATION IN ROW CROP CROP SYSTEMS FOR PESTICIDES IN SURFACE WATER**
- **MANY OTHER RELATED TOPICS & GUEST SPEAKERS**

**A Record of Class Hours Participants Attend Will be Forwarded to The  
Continuing Education Center for Pest Management For Use  
By CAPCA & PAPA Members**

**For Additional Information Call Cindy Lashbook (209) 761-0081 or Robert Vincelette (209) 386-6734. Registration and payment will be due at 7am on the first class meeting you attend. Please make check payable to: Merced College. Class Agendas are Outlined on The Reverse Side of This Flyer Visit Our Web Site At [www.mccd.edu/WpLRC](http://www.mccd.edu/WpLRC) For Additional Information**

## November 12, 2008: Dry Creek @ Wellsford Rd Grower Meeting

### Meeting Announcement Attachment: Dry Creek @ Wellsford Exceedance Summary

Sampling Site	Date Sampled	Oxygen, Dissolved	pH	Chlorpyrifos (Lorsban)	Diuron	Thiobencarb	<i>E. coli</i>	Water flea toxicity	Algae toxicity	Sediment toxicity	Copper <sup>1</sup>	Lead <sup>1</sup>
		7 mg/L	6.5 - 8.5 pH units	0.015 µg/L	2 µg/L	0 µg/L (Prohibited discharge)	235 MPN/100mL	Based on survival	Based on growth	Based on survival	µg/L (Based on hardness)	µg/L (Based on hardness)
Dry Creek at Wellsford Rd	15-Feb-05							toxic				
Dry Creek at Wellsford Rd	22-Mar-05		8.96				900					
Dry Creek at Wellsford Rd	11-May-05		6.26							toxic		
Dry Creek at Wellsford Rd	15-Jun-05	5.9					240					
Dry Creek at Wellsford Rd	13-Jul-05	5.7										
Dry Creek at Wellsford Rd	17-Aug-05		9.18	0.024			900					
Dry Creek at Wellsford Rd	21-Sep-05	6.98					500					
Dry Creek at Wellsford Rd	1-Mar-06						300					
Dry Creek at Wellsford Rd	16-Mar-06						1600					
Dry Creek at Wellsford Rd	18-May-06						280					
Dry Creek at Wellsford Rd	15-Jun-06	6.08										
Dry Creek at Wellsford Rd	13-Jul-06	6.69		0.026								
Dry Creek at Wellsford Rd	10-Aug-06			0.024								
Dry Creek at Wellsford Rd	14-Sep-06					0.1	310	toxic				
Dry Creek at Wellsford Rd	11-Feb-07				37		290		toxic			
Dry Creek at Wellsford Rd	22-Feb-07								toxic			
Dry Creek at Wellsford Rd	28-Feb-07				4		>2400		toxic		8.4 (7.2)	
Dry Creek at Wellsford Rd	7-Mar-07								toxic			
Dry Creek at Wellsford Rd	17-Apr-07										5.1 (5.0)	
Dry Creek at Wellsford Rd	19-Jun-07	5.77										
Dry Creek at Wellsford Rd	17-Jul-07	6.64		0.021								
Dry Creek at Wellsford Rd	31-Jul-07	6.91										
Dry Creek at Wellsford Rd	14-Aug-07	6.58					440					
Dry Creek at Wellsford Rd	11-Sep-07			0.043			420					
Dry Creek at Wellsford Rd	24-Jan-08						>2400					
Dry Creek at Wellsford Rd	25-Feb-08						>2400		toxic		11 (6.0)	1.8 (1.6)

		Oxygen, Dissolved	pH	Chlorpyrifos (Lorsban)	Diuron	Thiobencarb	<i>E. coli</i>	Water flea toxicity	Algae toxicity	Sediment toxicity	Copper <sup>1</sup>	Lead <sup>1</sup>
Dry Creek at Wellsford Rd	4-Mar-08									toxic		
Dry Creek at Wellsford Rd	22-Apr-08						>2400					
Dry Creek at Wellsford Rd	20-May-08	5.67					330					
Dry Creek at Wellsford Rd	17-Jun-08	6.31					>2400					
<i>Dry Creek at Waterford Rd*</i>	<i>22-Jul-08</i>	<i>6.08</i>		<i>0.02</i>								
Dry Creek at Wellsford Rd	22-Jul-08	6.67					>2400					
<i>Dry Creek at Waterford Rd*</i>	<i>19-Aug-08</i>	<i>5.93</i>		<i>0.023</i>								
Dry Creek at Wellsford Rd	19-Aug-08	6.85					580					
Dry Creek at Wellsford Rd	28-Aug-08	6.64								toxic		
Dry Creek at Wellsford Rd	2-Oct-08	5.83										

Exceedance triggers or objectives are indicated below the column headers. Triggers and objectives for all constituents sampled can be found on the ESJWQC website; [www.esjcoalition.org](http://www.esjcoalition.org).

\*Upstream Management Plan Monitoring site – data are shown in italics.

<sup>1</sup>Limit is based on hardness measured in each water sample and is indicated in parenthesis.

**Meeting Survey Handout**



**Grower Meeting Survey**

Name: \_\_\_\_\_ Member ID: \_\_\_\_\_

Company Name: \_\_\_\_\_

Are you a Coalition member? Yes / No      Since (list year): \_\_\_\_\_

How many other Coalition meetings have you attended prior to this one? 0 1 2 3 >4

Did you find this meeting useful? Yes / No

Did you fill out a Management Practices Survey? Yes / No

Are you interested in conducting a farm specific assessment of your current management practices and receive additional information (and possibly support) for future management practice implementation? Yes / No

If yes, when would you prefer to conduct a farm specific assessment? \_\_\_\_\_

How can the Coalition reach you? Email / Phone / Other \_\_\_\_\_

Phone: \_\_\_\_\_ Email \_\_\_\_\_

Address: \_\_\_\_\_

What management practice(s) do you intend to employ after attending this meeting?

\_\_\_\_\_  
\_\_\_\_\_

Comments/suggestions:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**November 20, 2008: Modesto Pesticide Applicator Professional Association Seminar**

**Meeting Agenda**

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**MODESTO PAPA SEMINAR**

The Seasons Catering & Multicultural Center

**945 McHenry Avenue, Modesto, Ca 95350**

November 20, 2008

(7 DPR have been requested, including laws. Please go to DPR's website, [www.cdpr.ca.gov](http://www.cdpr.ca.gov) for final accreditation information)

- 7:00 Registration
- 7:30 Update on Local County Issues  
*-Kamaljit Bagri,  
Deputy Ag. Commissioner, Stanislaus  
Co. Dept. of Ag.*
- 8:00 License Renewal Information  
*- Charlotte Carson , PAPA*
- 8:15 Electronic Filing & Reporting of Pesticide Reports  
*- Luis Angulo, Agrian*
- 8:45 Federal & State Regulations For Transporting Hazardous  
Materials  
*- Dan Cantieri, CA Highway  
Patrol, Commercial Industry,  
Education Program*
- 9:45 Break
- 10:00 Non-crop Weed Control Strategies For The Next 90 Days  
*- Rick Miller, Dow AgroSciences*
- 10:45 Regulations For Insecticides In Water and Sediment: Mitigate or  
Regulate?  
*- Parry Klassen, C.U.R.E.S*
- 11:45 Lunch
- 12:45 Importance of Using Adjuvants In Your Spray Program



# December 16, 2008: 2008 Annual Growers Meeting—Stanislaus

## Meeting Announcement



Monday, November 24, 2008



ID# 0000 Farmer Name  
Farmer Company  
101 America Street  
Anytown, CA 99999

<b>ESJWQC ANNOUNCEMENTS</b>
<ul style="list-style-type: none"><li>▪ <b>Renewal Deadline Extension to February 27, 2009</b></li><li>▪ <b>December Annual Member Meeting Dates</b></li></ul>

Dear Farmer Name,

A clarification to our recently mailed membership renewal: the deadline for submitting your membership payment is February 27, 2009.

The 2009 Membership term is January 1, 2009 - December 31, 2009.

Our December Annual Member Meeting locations and dates are listed below. Come enjoy a sponsored lunch and maybe win a donated door prize: wine, jackets and other goodies. Continuing education hours will also be offered.

Each meeting will cover:

- \* Updates on local water monitoring results
- \* How results may impact your farming operation
- \* Preview of upcoming groundwater regulations

<b>MODESTO</b>	<b>MERCED</b>	<b>MADERA</b>
<b>Tuesday, December 16, 2008</b> 10:00 – 12:00 pm plus sponsored lunch Stanislaus County Ag Center 3800 Cornucopia Way, Suite B, Modesto	<b>Wednesday, December 17, 2008</b> 10:00 – 12:00 pm plus sponsored lunch Merced County Agricultural Commissioners Office 2139 Wardrobe Ave., Merced	<b>Thursday, December 18, 2008</b> 10:00 – 12:00 pm plus sponsored lunch Madera County Farm Bureau 1102 S Pine St., Madera
<b>RSVP to (209) 522-7278</b>	<b>RSVP to (209) 522-7278</b>	<b>RSVP to (559) 674-8871</b>

For more information, contact:

Parry Klassen  
559-288-8125

Wayne Zipser  
209-522-7278



## Membership Policy

January 2009

As a member of the Coalition in good standing, irrigated acres that you own or manage are now legally covered under the requirements described for watershed coalitions in the Irrigated Lands Regulatory Program (Central Valley Regional Water Quality Control Board Resolution No. R5-2003-0105).

### **Member Responsibilities**

---

As a member of the East San Joaquin Water Quality Coalition (Coalition), you agree to:

1. Respond to requests for information by ESJWQC that enable the Coalition to remain in compliance with requirements of the ILRP.
2. Cooperate with the ESJWQC to take corrective action should water quality problems be tracked back to your farming operation.
3. Implement management practices that minimize or eliminate fertilizer, pesticide and sediment runoff.

### **ESJWQC Responsibilities**

---

1. Perform activities that enable Coalition members to be in compliance with the Irrigated Lands Regulatory Program.
2. File required reports with the Central Valley Regional Water Quality Control Board (Regional Board) to maintain ILRP coverage for Coalition members.
3. Implement an economical and scientifically valid water monitoring program for waterways within the Coalition boundaries.
4. Spread costs equitably among Coalition members.
5. Communicate to Coalition members where water monitoring indicates water quality problems are related to farming practices and facilitate efforts to solve those problems.

**Agenda**  
**East San Joaquin Water Quality Coalition**  
**Annual Member Meeting**

December 16, 2008  
Stanislaus County Department of Agriculture, Modesto  
10:00 am to 12:00 pm; lunch following

10:00 pm	Welcome and introductions	Wayne Zipser Stanislaus Co. Farm Bureau
	Overview of Irrigated Lands Regulatory Program; Coalition Status New Regulations	Parry Klassen Board Chairman, ESJWQC
	Gary Caseri	Ag Commissioner, Stanislaus County
	Update on East San Joaquin Water Quality Coalition Activities	Wayne Zipser Stanislaus Co. Farm Bureau
	Coalition Water Monitoring Results	Michael Johnson
	Break	Door prize drawings
	Priority Management Plans – Pesticides Drive Water Quality Challenges BMP Surveys	Parry Klassen
12:00		Lunch: Sponsored by ESJWQC

*2 hours of CE credits, laws and regulations*

*Sponsored by*  
East San Joaquin Water Quality Coalition  
Stanislaus County Agricultural Commissioner  
Stanislaus County Farm Bureau

# December 17, 2008: 2008 Annual Growers Meeting—Merced

## Meeting Announcement



Monday, November 24, 2008



ID# 0000 Farmer Name  
Farmer Company  
101 America Street  
Anytown, CA 99999

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- \* Updates on local water monitoring results
- \* How results may impact your farming operation
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<b>Tuesday, December 16, 2008</b> 10:00 – 12:00 pm plus sponsored lunch Stanislaus County Ag Center 3800 Cornucopia Way, Suite B, Modesto	<b>Wednesday, December 17, 2008</b> 10:00 – 12:00 pm plus sponsored lunch Merced County Agricultural Commissioners Office 2139 Wardrobe Ave., Merced <b>RSVP to (209) 522-7278</b>	<b>Thursday, December 18, 2008</b> 10:00 – 12:00 pm plus sponsored lunch Madera County Farm Bureau 1102 S Pine St., Madera <b>RSVP to (559) 674-8871</b>

For more information, contact:

Parry Klassen  
559-288-8125

Wayne Zipser  
209-522-7278



## Membership Policy

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4. Spread costs equitably among Coalition members.
5. Communicate to Coalition members where water monitoring indicates water quality problems are related to farming practices and facilitate efforts to solve those problems.

**Meeting Agenda**  
**East San Joaquin Water Quality Coalition**  
**Annual Member Meeting**

December 17, 2008  
Merced Department of Agriculture, Merced  
10:00 am to 12:00 pm; lunch following

10:00 pm	Welcome and introductions	Diane Westmoreland Pedrozo Merced Co. Farm Bureau
	Overview of Irrigated Lands Regulatory Program; Coalition Status New Regulations	Parry Klassen Board Chairman, ESJWQC
	David Robinson	Ag Commissioner, Merced County
	Update on East San Joaquin Water Quality Coalition Activities	Wayne Zipser Stanislaus Co. Farm Bureau
	Coalition Water Monitoring Results	Michael Johnson
	Break	Door prize drawings
	Priority Management Plans – Pesticides Drive Water Quality Challenges Merced County watershed review	Parry Klassen
	Update on County Laws and Regulations Employees, Pesticides, storage and handling	Merced County Agricultural Commissioners office
12:00		Lunch: Sponsored by ESJWQC

*2 hours of CE credits, laws and regulations*

*Sponsored by*  
East San Joaquin Water Quality Coalition  
Merced County Agricultural Commissioner  
Merced County Farm Bureau

# December 18, 2008: 2008 Annual Growers Meeting—Madera

## Meeting Announcement



Monday, November 24, 2008



ID# 0000 Farmer Name  
Farmer Company  
101 America Street  
Anytown, CA 99999

<b>ESJWQC ANNOUNCEMENTS</b>
<ul style="list-style-type: none"><li>▪ <b>Renewal Deadline Extension to February 27, 2009</b></li><li>▪ <b>December Annual Member Meeting Dates</b></li></ul>

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<b>MODESTO</b>	<b>MERCED</b>	<b>MADERA</b>
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<b>RSVP to (209) 522-7278</b>	<b>RSVP to (209) 522-7278</b>	<b>RSVP to (559) 674-8871</b>

For more information, contact:

Parry Klassen  
559-288-8125

Wayne Zipser  
209-522-7278



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3. Implement management practices that minimize or eliminate fertilizer, pesticide and sediment runoff.

### **ESJWQC Responsibilities**

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2. File required reports with the Central Valley Regional Water Quality Control Board (Regional Board) to maintain ILRP coverage for Coalition members.
3. Implement an economical and scientifically valid water monitoring program for waterways within the Coalition boundaries.
4. Spread costs equitably among Coalition members.
5. Communicate to Coalition members where water monitoring indicates water quality problems are related to farming practices and facilitate efforts to solve those problems.

**Meeting Agenda**  
**East San Joaquin Water Quality Coalition**  
**Annual Meeting**

December 18, 2008  
Madera County Farm Bureau, Madera  
10:00 pm to 12:00 pm

10:00 pm	Welcome and introductions	Julia Berry Madera County Farm Bureau
	Overview of Irrigated Lands Program; Coalition Status	Parry Klassen Board Chairman, ESJWQC
	Update on East San Joaquin Water Quality Coalition Activities	Wayne Zipser Stanislaus Co. Farm Bureau
	Coaliton Water Monitoring Results	Michael Johnson
	Break	Door prize drawings
	Priority Management Plans – Pesticides Drive Water Quality Challenges Merced County watershed review	Parry Klassen
	Update on County Laws and Regulations Employees, Pesticides, storage and handling	Stanislaus County Agricultural Commissioners office
	Parry Klassen Julia Berry	Question and answer session
12:00	Adjourn	

*2 hours of CE credits, laws and regulations, have been applied for.*

\* Please RSVP to 209-522-7278

*Sponsored by*  
**East San Joaquin Water Quality Coalition**  
**Madera County Agricultural Commissioner**  
**Madera County Farm Bureau**

## **Appendix VIII**

### **2008 Annual Site Photos**

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545XASAAT - Ash Slough @ Ave 21



↑ S (DS) 9/30/08

↓ W 9/30/08



↑ N (US) 9/30/08

↓ W 2/25/08



535XBCAKR - Bear Creek @ Kibby Rd



↑ E (US) 9/30/08

↓ S 7/29/08



↑ W (DS) 9/30/08

↓ N 2/25/08



535BRCA YR - Black Rascal Creek @ Yosemite Road



↑ S (DS) 9/30/08

↓ E 8/26/08



↑ N (US) 9/30/08

↓ N 8/26/08



545XBSAAE - Berenda Slough Along Ave 18 1/2



↑ SW (DS) 9/30/08

↓ E 2/25/08



↑ NE (US) 9/30/08

↓ N 2/25/08



535XBSARN - Berenda Slough @ Rd 19



↑ W (DS) 9/30/08

↓ N 9/30/08



↑ E (US) 9/30/08

↓ W (US) 7/29/08



545XCCART - Cottonwood Creek @ Rd 20



↑ W (DS) 8/26/08

↓ S 2/25/08



↑ E (US) 8/26/08

↓ W (DS) 2/25/08



545XCCAHO - Cottonwood Creek @ Hwy 145



↑ S 9/30/08

↓ W (DS) 9/30/08



↑ S (US) 9/30/08

↓ W (DS) 8/26/08



535XDCAGR - Deadman Creek @ Gurr Rd



↑ E (US) 9/30/08

↓ N 7/29/08



↑ W (DS) 9/30/08

↓ S 2/25/08



535XDCARE - Dry Creek @ Road 18



↑ W (DS) 9/30/08

↓ E (US) 8/26/08



↑ E (US) 9/30/08

↓ W (DS) 8/26/08



545XDCART - Dry Creek @ Rd 22



↑ S 7/29/08

↓ E (US) 8/26/08



↑ W (DS) 9/30/08

↓ W (DS) 8/26/08



545XDCATE - Dry Creek @ Rd 28 1/2



↑ W (DS) 9/30/08

↓ W (DS) 9/30/08



↑ E (US) 9/30/08

↓ N 9/30/08



535XDCAWR - Dry Creek @ Wellsford Rd



↑ S 8/19/08

↓ W (DS) 2/26/08



(date imprint incorrect)

↑ E (US) 2/26/08

↓ S 2/26/08



(date imprint incorrect)

02/26/2007



(date imprint incorrect)

02/26/2007

535XDCWF - Dry Creek @ Waterford Rd



↑ E (US) 9/23/08

↓ S 7/22/08



↑ W (DS) 9/23/08

↓ SE 7/22/08



535DMCAHF - Deadman Creek @ Hwy 59



↑ E (US) 9/30/08

↓ E (US) 8/26/08



↑ W (DS) 9/30/08

↓ N 8/26/08



535XDSAGR - Duck Slough @ Gurr Rd



↑ W (DS) 9/30/08

↓ E (US) 7/29/08



↑ E (US) 9/30/08

↓ N (US) 87/29/08



535XDSHFN - Duck Slough @ Hwy 59



↑ W (DS) 9/30/08

↓ E (US) 7/29/08



↑ N 9/30/08

↓ E (US) 5/20/08



535XDSAHN - Duck Slough @ Hwy 99



↑ N 8/26/08

↓ E (US) 2/25/08



↑ W (DS) 7/29/08

↓ W (DS) 2/25/08



(date imprint incorrect)

02/25/2007



(date imprint incorrect)

02/25/2007

535XDCAWH - Duck Slough @ Whealan Rd



↑ E (US) 7/29/08

↓ NE 5/27/08



↑ W (DS) 7/29/08

↓ E (US) 5/27/08



535XHCALR - Highline Canal @ Lombardy Ave



↑ N (US) 8/19/08



↑ S (DS) 8/19/08

↓ W 2/26/08

↓ SE 2/26/08



535XHCHNN - Highline Canal @ Hwy 99



↑ W (DS) 9/23/08

↓ E (US) 8/19/08



↑ E (US) 9/23/08

↓ N 2/26/08



535XHDACA - Hilmar Drain @ Central Ave



↑ E (US) 9/23/08

↓ W (DS) 6/17/08



↑ W (DS) 9/23/08

↓ N 6/17/08



535XHDAMR - Hilmar Drain @ Mitchell Rd



↑ E 7/22/08

↓ SW (DS) 7/29/08



↑ SE (DS) 7/22/08

↓ 7/29/08



535XRDAWA - Reclamation Drain @ Williams Ave



↑ SE (DS) 7/22/08

↓ 7/29/08



↑ N (US) 7/22/08

↓ 7/22/08



535XHDATR - Hatch Drain @ Tuolumne Rd



↑ N (DS) 9/23/08

↓ SE (US) 7/29/08



↑ S (US) 9/23/08

↓ W 2/26/08



535XLDARA -Livingston Drain @ Robin Ave



↑ E (US) 9/23/08

↓ W (DS) 7/22/08



↑ W (DS) 9/23/08

↓ N 2/26/08



535XMCAEA - Mustang Creek @ East Ave



↑ NE 9/23/08

↓ W 8/19/08



↑ S (DS) 9/23/08

↓ E (US) 8/19/08



535XMCARR - Miles Creek @ Reilly Rd



↑ N (DS) 9/30/08

↓ W 7/29/08



↑ S (US) 9/30/08

↓ W 2/25/08



(date imprint incorrect)

02/25/2007

535XMRSFD - Merced River @ Sante Fe Dr



↑ E (US) 9/23/08

↓ S 7/22/08



↑ W (DS) 9/23/08

↓ E (US) 2/26/08



535XPFDCCL - Prairie Flower Drain @ Crows Landing Rd



↑ E (US) 9/23/08

↓ S 2/26/08



↑ W (DS) 7/22/08

↓ N 2/26/08



535XPFDNR - Prairie Flower Drain @ Morgan Rd



↑ N 9/23/08

↓ SE 7/22/08



↑ W (DS) 9/23/08

↓ E (US) 5/20/08



535XSDAMD - Silva Drain @ Meadow Dr



↑ E (US) 9/23/08

↓ E (US) 2/26/08



↑ SE 7/22/08

↓ N 2/26/08



(date imprint incorrect)

02/26/2007



(date imprint incorrect)

02/26/2007

535XSSAQR - South Slough @ Quinley Rd



↑ W (DS) 9/30/08

↓ E (US) 7/29/08



↑ E (US) 9/30/08

↓ SW 2/25/08



535XWDAVR - Westport Drain @ Vivian Rd



↑ W (DS) 9/23/08

↓ E (US) 9/23/08



↑ N 9/23/08

↓ NW 7/22/08

