Best Management Practice Evaluation Summary

BMP Study Abstracts

In general grower meetings and individual member meetings, landowners and operators with irrigation drainage are encouraged to adopt practices to protect surface water that include a number of options based on their crop and farming conditions. Those practices include irrigation drainage return systems, sediment ponds for containing irrigation drainage, managed vegetation in drainage ditches and use of PAM in irrigation water. The Coalition has collaborated with CURES in conducting a number of studies in the Orestimba and Del Puerto Creeks that show potential water quality improvements in those waterways should these specific practices be used. The following summaries recent studies verifying the effectiveness of practices that landowners are being encouraged to adopt. A full report for each of these studies is available on request.

Modeling of BMP Practices (ongoing)

This project funded by the State Water Resources Control Board is an effort to develop predictive models that can be used by resource managers to optimize the use and placement of various Best Management Practices (BMPs) in the watershed. By gathering available data (including monitoring and pesticide use data, geographical information such as topography and soil types, land use, hydrology and BMP study details) and combining it with a surface water models, examinations can be made of trends in surface water contamination and how various BMP options might improve local surface water quality. The model used in this project is the Soil and Water Assessment Tool (SWAT) which is a public-domain, river basin scale model originally developed by the USDA in the early 1990s. The model has been calibrated (entering in existing data into the model to see if results are accurate (same trends) for our watershed and is currently being validated (collecting new data and see if model produces predicted results (same trends). In test runs of the model, data show a close correlation between predicted and observed OP pesticide residues levels (diazinon and chlorpyrifos) in surface water in the study area. The model has the potential for use in large scale predictions on the San Joaquin River watershed.

Sediment Ponds and Polyacrylamide (PAM) for mitigation of pyrethroid runoff from almonds (July, 2009)

A study conducted in July 2009, supports the Coalition's support for land downer's use of sediment basins for irrigation drainage. In a study funded by the Almond Board of California, sediment basins were examined for effectiveness in reducing pyrethroid residues in tailwater. The study involved two trials conducted on a section of a large-scale commercial orchard in Merced County planted with nonpareil almonds. The first trial was conducted under typical flow conditions with no PAM added to the irrigation water. The second trial was conducted under slightly higher flow conditions with PAM added to the irrigation water at the beginning of the rows resulting in a five-fold reduction in total suspended solids (TSS) entering the sediment basin. In both trials, the total mass of the sediment leaving the sediment basin was reduced an additional 80%-84% at the discharge point of the basin. Although the use of PAM did not appear to significantly impact the total mass of pyrethroid (lambda-cyhalothrin) leaving the field in this study, the sediment basin reduced the total pyrethroid load by 38%-61%. These findings support that the adoption of classical sediment control practices such as sediment basins will reduce the amount of pyrethroid residues in irrigation tailwater released to streams.

Sediment Ponds and Polyacrylamide (PAM) for mitigation of pyrethroid runoff from tomatoes (May, 2008)

A second study examined the effectiveness of sediment basins for reducing pyrethroid residues in tailwater in processing tomatoes. The study also had two trials where the first had relatively high flow conditions with no PAM added so that the irrigation tail water was laden with total

suspended solids (TSS). The second trial was conducted under relatively low flow conditions with PAM added to the top of the irrigation furrows so that the irrigation tailwater had considerably less TSS. In both trials the sediment basin reduced the peak pyrethroid (lambda-cyhalothrin) concentration in tailwater entering the sediment basin and flowing out of the sediment basin by about a factor of 10 and the total mass of pyrethroid leaving the sediment basin was reduced by 80 percent. These reductions in mass losses considered both the reductions during the time the basin was filling as well as the time when water was both entering and leaving the basin. These findings support that the adoption of sediment control practices such as sediment basins to reduce the amount of pyrethroid residues in irrigation tailwater.

Vegetated Ditch for mitigation of lambda-cyhalothrin runoff from irrigated alfalfa (December, 2007)

Recent studies on vegetated ditches, funded by the State Water Resources Control Board, included a trial in a 35-acre commercial alfalfa field near the cities of Crow's Landing and Patterson. The soil at the site is on the boundary of Stomar clay loam and Capay clay (USDA, 1997). The study evaluated the effects of two management practices on concentrations of a common pyrethroid, lambda cyhalothrin, in irrigation runoff in alfalfa. The management practices included (1) a standard irrigation return ditch dredged to remove vegetation just prior to irrigation event and (2) a specially constructed ditch with resident grasses to provide a dense cover of vegetation for the irrigation event.

Lambda-cyhalothrin concentrations in the irrigation runoff ranged from 0.018 μg/L to 0.077 μg/L. The concentrations of pesticide were lower in the vegetated ditch than at the inflow or the conventional ditch, with the mean concentrations for each irrigation event being lower than the inflow concentrations. On average, the median concentration reduction at the end of the vegetated ditch was about 25%. Suspended sediment concentrations were variable and ranged from 0.00095 g/L to 0.0417 g/L . The amount of suspended sediment was roughly the same for each sample site and the means for each irrigation event were not statistically different from each other. Lambda cyhalothrin concentrations in the sediment ranged from 1.38 ng/g dry weight to 59.3 ng/g dry weight. The median concentration of lambda cyhalothrin in the vegetated ditch sediment was approximately 8 times higher than in the conventional ditch sediment. The concentrations in the vegetated ditch sediment also increased as the water traveled further down the ditch. This indicates that the pesticide drops out of the water (with the sediment) in the vegetated ditch more readily than in the conventional ditch, hence the reason for low detections in the whole water samples.

Vegetated Ditch for mitigation of chlorpyrifos runoff from irrigated alfalfa (December, 2006)

This study involved installing a vegetated drainage ditch as a potential management practice for reducing off-site movement of chlorpyrifos to surface water from irrigated alfalfa. The study site was a 75-acre commercial alfalfa field near Crows Landing. Chlorpyrifos is commonly applied to alfalfa in the region several times during the irrigation season (April-October) to control several species of aphids including the green peach aphid (*Myzus persicae)* and worms such as the beet armyworm (*Spodoptera exigua*), western yellowstriped armyworm (*Spodoptera praefica*) and the alfalfa caterpillar (*Colias eurytheme*).

In December 2005, six months prior to the study date, the ditch was planted with several species of native and introduced perennial grasses. Half of the ditch was planted with *Dactylis glomerata* ‘Potomac’ (orchard grass) and *Agropyron trichophorum* ‘Luna’ (pubescent wheatgrass). The other half of the ditch was planted with a mix of *Leymus triticoides* ‘Yolo’

(Yolo creeping wildrye) *Elymus glaucus* (blue wildrye), and *Hordeum brachyantherum* (California meadow barley). The vegetated ditch was six feet wide and ran the entire bottom width of the field (1,300 feet). The vegetation was well established in the ditch and was mowed to just above the estimated high water mark prior to the irrigation season. Irrigation at the site began 48 hours after an aerial application of chlorpyrifos. Each sampling event represented the first flush of water leaving the field from each of five irrigation sets. For comparison, a conventional V-shaped ditch was installed parallel to the vegetated ditch. The design and dimensions (20 inches wide by 14 inches deep) represents what the grower traditionally uses to intercept runoff water from the site.

Chlorpyrifos concentrations in the irrigation runoff were variable and ranged from 0.22 μ/L to a maximum of 1.67 μ/L. In general, concentrations were lower in the vegetated ditch than at the inflow or in the conventional ditch. On average the median concentration reduction at the end of the vegetated ditch was about 38% as compared to approximately 1% in the conventional ditch. Concentrations were lower at the end of the vegetated ditch, indicating that the ditch was effective in reducing off-site movement of chlorpyrifos. A probability plot of the range of expected concentration decreases for the vegetated ditch shows the median reduction was approximately 38% with the 25th and 75th percentiles falling at 28% and 49%.

Use of Polyacrylamide (PAM)/calcium to mitigate chlorpyrifos runoff from row crops (July, 2006)

This study was performed in a field bordering the Orestimba Creek watershed. The field was prepared with rows pulled at 30-inch centers, typical for corn and other row crops common to the San Joaquin Valley. Chlorpyrifos was applied to the 350 foot rows at one pound active ingredient per acre. Furrow irrigations began August 14, 2006, 36 hours after the chlorpyrifos treatment. Of the 40 rows treated, 10 were sampled on each of four successive days – five control rows and 5 PAM/calcium treated rows. Irrigation tailwater was subsampled continuously (1 subsample volume per 100 total tailwater volume) at the bottom of each row. The first five gallons of subsampled tailwater was collected from each row. The results showed that PAM/calcium had no significant effect on offsite movement of chlorpyrifos in tailwater under these conditions. Waiting up to five days after application to irrigate had no significant effect on amounts of chlorpyrifos in tailwater under these conditions. Chlorpyrifos concentrations in tailwater, averaged over all four days, were: control; 5.04 ug/L and PAM-Ca treated; 4.94 ug/L. While this study showed that reductions in chlorpyrifos runoff were not significantly different when using PAM/calcium in irrigation water, it did produce visibly less sediment runoff from the trial plots. PAM causes soil particles to aggregate and thereby reduce soil particle movement off-site. Reduced movement of soil particles is quite evident *in vitro* and from observations of irrigation water *in situ*. For pesticides of low water solubility and with a correspondingly high propensity to bind to soil particles, one would expect to see a decrease in the amount of those pesticides moving off-site from fields treated with PAM due to the lack of sediment movement. However, for pesticides like chlorpyrifos (which is moderately water soluble and has only a moderate tendency to bind to soil) the presence or absence of PAM in irrigation water would not be expected to dramatically reduce chlorpyrifos offsite movement under typical conditions. Our experiment supports this conclusion, with no significant difference in the mass of chlorpyrifos detected in runoff water from PAM-treated rows or control (nonPAM-treated) rows.

Sediment Pond, Irrigation System, and Water Management System Improvement Funding Assistance Programs

Coalition for Urban/Rural Environmental Stewardship
www.curesworks.org

This information forwarded by:

SAN JOAQUIN VALLEY DRAINAGE AUTHORITY
P O Box 2157
Los Banos, CA 93635
209 826 9696 Phone
209 826 9698 Fax

Attention Landowners & Growers on:

- **Ingram Creek**
- **Hospital Creek**

USDA recently approved $2 million annually in grants over the next 5 years for projects intended to improve water quality in waterways in Stanislaus and Merced counties. Owning or operating a farm that impacts one of the waterways listed above results in a "high priority" application. CURES was able to secure this funding by working in conjunction with the Partnership for Agriculture and the Environment, a coalition of local interests including Westside San Joaquin River Watershed Coalition, Stanislaus and Merced County Farm Bureaus, Almond Board of California, Western United Dairymen, the Environmental Defense Fund and others (see list at www.curesworks.org/bmp/20090722Press.asp). CURES' application was accepted by USDA in a nationally competitive process.

Where does the money come from? The Agricultural Water Enhancement Program (AWEP) was part of the 2008 Farm Bill. Think of AWEP as an expanded Environmental Quality Incentive Program (EQIP). Funds are dispersed through the Natural Resource Conservation Service (NRCS) offices in Merced and Stanislaus Counties. CURES will assist with grower outreach on the AWEP funding availability.

What types of projects can be funded? High priority projects include irrigation drainage sediment basins and irrigation tailwater recirculation systems as well as other water quality related practices installed on fields currently draining into the waterways listed above. Larger community (multi-farm/group project) systems can also be funded.

What are the requirements for receiving funds? A payment will be made to successful applicants after completion of approved practices. The payment rate is approximately 50% of the statewide average cost for an installation. Please contact NRCS for actual rates. Other 2008 Farm Bill rules apply.

When can growers begin applying? Immediately! Applications will be accepted on an ongoing basis over the next 4 years. Those received by August 14 will be considered for funding during the first round. Application cutoff dates for subsequent rounds will be announced later.

If you have questions about the application process or have a project in mind, contact me at the number below or your local NRCS office in Merced or Modesto.

Parry Klassen
Executive Director
559-288-8125

NRCS Merced Service Center
2135 Wardrobe Avenue, Suite C
Merced, CA 95341
209-722-4119 x 3

NRCS Modesto Service Center
3800 Cornucopia Way, Suite E
Modesto, CA 95358
209-491-9320 x 3

Deadline

August 13, 2010

Conservation Program

Step-by-Step

Fill out application and submit with design and cost estimate by deadline

All projects will be reviewed by the Water Conservation Committee for preliminary approval

Once notified of approval, submit construction schedule to CCID

Any changes to submitted design MUST be provided to CCID *prior* to construction

Upon completion of engineering evaluation, notice to construct will be issued

Board of Directors will disperse funds to Landowner upon approval of final inspection

For Questions or More Information
Please contact:
Tracey Rosin
Conservation Coordinator
Phone: (209) 826-1421
Cell: (209) 777-8060
Fax: (209) 826-3184
trosin@ccidwater.org

CENTRAL CALIFORNIA IRRIGATION DISTRICT

2010 On-Farm Water Conservation Program

The Water Conservation Program deadline for funding requests is August 13, 2010. A project design and cost estimate must be submitted prior to the deadline date to be considered for preliminary approval. All applications will be processed and reviewed collectively in time for October construction. Water Conservation Program Guidelines are available on-line at www.ccidwater.org. Funding levels may be pro-rated based on the number of applications received.

DEADLINE AUGUST 13, 2010

GRANT PROGRAM

50% cost-share

for all Concrete Lining or Pipelining up to **$400/acre** benefited

25% cost-share

for irrigation enhancements up to **$400/acre** benefited such as:

Tailwater Return Systems, Micro-Sprinklers, Drip Systems, Dairy related projects, other irrigation efficiency improvements

LOAN PROGRAM

3% interest loans up to $1000/acre benefited for farmer's portion after cost-share grant.

One annual payment per year

5 year term for on-farm systems 10 year term for community ditches

Contact your local FSA office for additional funding options

Apply Today!

Call Alejandro at SLCC to get qualified and going

Alejandro Paolini
Water Conservation Specialist
Office Phone: (209) 826-5112
(209) 387-4305
Cell: (209) 587-1241
Fax: (209) 387-4237
apaolini@slcc.net

2010 Water Conservation Program

New Funding Levels

Easy to Apply, No Deadline

ON-FARM PROJECTS

GRANT

50% cost-share for all for irrigation enhancements and on-farm ditch improvements up to **$250/acre** maximum.

Drip Systems, Tailwater Return Systems, Micro-Sprinklers, Laser Leveling, Dairy related projects, other irrigation efficiency improvements

LOAN

3% interest loans up to **$250/acre** maximum for farmer's portion after grant cost-share. 5 year term. One annual payment

Easement or Fee Title Ditches

GRANT

80% grant for ditch improvements up to **$400/acre** benefited.

LOAN

3% interest loans up to **$100/acre** maximum for farmer's portion after grant cost-share. 5 year term. One annual payment

Maximum Canal Company participation:

$500/acre benefited combining grant and loan portions

Westside San Joaquin River Watershed Coalition

Silt Pond Implementation Program
Application Guidelines

The Westside San Joaquin River Watershed Coalition (Coalition) has reserved at least $30,000 for the 2010 fiscal year March 2009 to February 2010) to provide funding to landowners and operators within the Coalition for the purposes of constructing a new tailwater silt pond or to clean out an existing silt pond.

Eligible projects:
Eligible projects include: construction of a new tailwater silt pond, improvement or upgrading of the inlet/outlet facilities on an existing silt pond, enlargement of an existing pond, and the cleanout of an existing silt pond. Certain conditions must be met under each of these conditions to be eligible for funding:

- **Construction of a new silt pond.** To be eligible for funding, a new silt pond must be located to receive tailwater flows that will be discharged into waterbodies within the Coalition area. The pond must be sized correctly and include enough water storage to provide adequate settling time for the suspended silt and enough silt storage to retain the amount of silt deposited over one full growing season and still operate correctly. A sizing template is available from the Coalition. The inlet and outlet plumbing must be located to prevent the short-circuiting of flows. The Coalition can provide guidance on these requirements upon request.
- **Upgrade of inlet/outlet facilities.** To be eligible for funding, the applicant must provide evidence the inlet and/or outlet plumbing on an existing pond are ineffective or inappropriate (a few photographs and short description will be sufficient in most cases). Examples of ineffective plumbing are: inlet and outlet too close together (causing flow short-circuiting), outlet pipe too low and lacking a flash-board riser, or outlet pipe too large.
- **Enlargement of an existing pond.** To be eligible for funding, the applicant must provide the approximate dimensions of the pond (length, width, and average depth), the acreage of the field(s) draining into the pond, appropriate photographs, and the proposed final dimensions. A sizing template is available from the Coalition.
- **Clean-out of existing pond.** To be eligible for funding, the applicant must provide photographs of the existing silt pond, approximate dimension, and the farmed acreage that drains into the pond. Note that ponds which are too small for the drained acreage will not be eligible for clean-out funding, but would be eligible for funding as an enlargement project. A sizing template is available from the Coalition.

In addition to these requirements, all projects must be constructed within 8 weeks after the funds have been awarded.

Eligible Costs: Costs that are eligible for reimbursement are:

- Construction costs such as excavation, placement of compacted embankment, and installation of pipe.
- Material costs limited to: pipe and fittings, flash-board risers, and water level control valves (such as canal gates).

Pump systems and electrical equipment are outside the scope of this program and are not eligible for funding.

Program Priorities:
This program has been developed to encourage the implementation of best management practices (BMPs) that address silt discharge and sediment toxicity as part of the Coalition's Management Plan and Focused Watershed Plan. The priority will be given to projects according to location as follows:

First Priority: Projects that impact discharges directly to Ingram Creek or Hospital Creek.
Second Priority: Second priority will be given to projects that are within or adjacent to the Ingram and/or Hospital Creek watersheds but do not discharge directly into those creeks.
Third Priority: Third priority will be given to projects that are within the following watersheds:

Del Puerto Creek (River Rd. & Hwy 33)	Marshall Road Drain at River Rd.	Newman Wasteway
Orestimba Creek at Hwy 33 & River Rd.	Salt Slough at Sand Dam	Turner Slough
Westley Wasteway		

Application Process:
Applications will be accepted and reviewed on a continuous basis until the program funding has been exhausted or the Coalition closes the program. Applications shall include the following:

1. Completed and signed Application Form.
2. A map indicating the location of the project. This can be an APN map or typical road map with the project site clearly marked.
3. A quote from a contractor that clearly indicates what work will be done and estimates the final cost of the project.
4. For clean-out or modifications to existing ponds, include photographs of the existing pond.

Submit applications to your member district or:
Westside San Joaquin River Watershed Coalition
c/o Summers Engineering
P. O. Box 1122
Hanford, CA 93232
Phone 559-582-9237
Fax 559-582-7632

Project Evaluation and Funding:
Applications will be reviewed by qualified reviewers appointed by the Coalition Steering Committee based on the requirements noted above. Applicants will be notified after that date of the Committee decision. The program will fund 75% of the costs of any single project, up to a maximum of $6,000 per project. There is no limit to the number of project applications an individual may submit, however any given project will only be considered once per funding cycle. The decision of the Coalition Steering Committee is final and not open to appeal. Any projects completed before approval will not be eligible for funding. A contractor performing the work must be a licensed contractor in the State of California.

v. 2009.2-Sept 2009

Westside San Joaquin River Watershed Coalition

Silt Pond Implementation Program

Application for Funding

Submit only one application per project

Applicant Information:

Applicant Name: _____ Cell Number: _____

Phone Number: _____ Fax: _____

Mailing Address: _____ Email: _____

_____

Project Information:

Project Type (circle one):

New Pond Clean-out Enlarge Upgrade Plumbing

Project site APN: _____ District: _____

Project Location (attach a project location map): _____

Stream/creek the pond will drain into: _____

Acreage draining into the pond: _____ Crop type(s): _____

Existing Pond Size (For Clean-out, Enlargement, or Upgrade projects only).

Length: _____ Width: _____ Depth: _____

Proposed Pond Size (For New Pond and Enlargement projects only).

Length: _____ Width: _____ Depth: _____

Estimated total cost (include quote from contractor): _____

Estimated construction dates: Start: _____ Finish: _____

I certify that the above information is correct to the best of my knowledge.

Name: _____ Title: _____

Signature: _____ Date: _____

Submit Aplications to"
Westside San Joaquin River Watershed Coalition
c/o Summers Engineering
P. O Box 1122
887 N. Irwin St.
Hanford, CA 93232
Phone 559-582-9237
Fax 559-582-7632

version 2009.2

SAN JOAQUIN VALLEY DRAINAGE AUTHORITY
SEDIMENTATION POND FUNDING PROGRAM

This Agreement is made and entered into this _____ day of _____, 20___, by and between SAN JOAQUIN VALLEY DRAINAGE AUTHORITY, a political subdivision formed and existing under the California _____law, hereinafter called "Drainage Authority)," and

_____,

_____,

hereinafter called "Applicant."

RECITALS

A. Applicant applies to the Drainage Authority for a grant the proceeds of which are to implement best management practices for improvement of water quality related to the Westside San Joaquin River Watershed Coalition (Westside Coalition)'s Management Plan, approved by the Regional Water Quality Control Board; and,

B. The Drainage Authority has determined that the proposed improvements to the Applicants tail-water facilities is in the public interest because it assists in meeting requirements of the Management Plan to improve water quality; and

C. The Drainage Authority has allocated money to fund the grants in order to encourage the implementation of best management practices to promote improvement of water quality.

NOW, THEREFORE, in consideration of the Recitals set forth above, and the mutual promises and conditions set forth herein, the parties hereto agree as follows:

1. Grant Application. Applicant hereby applies to the Drainage Authority for a grant to fund the following improvement(s): _____

_____

_____

2. Total Amount of Funding. The Drainage Authority hereby agrees to advance to Applicant the costs of the aforesaid improvements in the total amount of $_____.

3. Applicant hereby further agrees as follows:

a. Applicant certifies that all improvements for which this grant application is made are for the express purpose of improving Applicant's agricultural practices on property within the Drainage Authority's service area.

b. All improvements financed hereunder shall remain in place and operational for the purposes described above for a minimum of five years from the date of this Agreement.

4. Applicant agrees to indemnify, protect, hold harmless and defend the Drainage Authority, its officers, employees, agents, successors and assigns from and against any and all liability, including without limitation, all costs, expenses, attorney fees, and expert witness fees from any claim, action or proceeding brought against the Drainage Authority, its officers, employees, or agents, to attack, set aside, void, or annul, in whole or in part, the validity of or money due to the Drainage Authority pursuant to this Agreement.

5. Binding Agreement. This agreement shall be binding on the heirs, transferees, successors, assigns and personal representatives of Applicant.

IN WITNESS WHEREOF, the parties hereunto have set their hands the day and year hereinabove written.

APPLICANT

By: _____

By: _____

SAN JOAQUIN VALLEY DRAINAGE AUTHORITY

By: _____
President

By: _____
Secretary

Appendix A
Chain of Custody Sheets and Data Summary

Appendix A
Definitions

Sample Type:
E: Event sample
FD: Field duplicate sample
FB: Field blank sample.

Result Flags:
ND: Not Detected.
DNQ: Estimated result, detected below Reporting Limit.

Note: Pesticides with results indicating "Non-Detect" are not reported in this summary. See **Table 7** for a list of analytes. See **Appendix C** for the laboratory data reports.

Appendix A

Chain of Custody Sheets

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides (Full List): EPA 8081, EPA 8321, EPA 8151, EPA 8141/619 (See Project specific analysis)**	OP Pesticides: EPA 8141A/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	Carbamates: EPA 8321	Herbicides: EPA 8321A (diuron and linuron) and EPA 619(atrazine, cyanazine, and simazine)	Herbicides: EPA 8141A (Prowl and Trifluralin)				
1	59-LBCHW-PE	15-Sep-09	9:13	FW	3	1-L amber		X				X					
2	59-SJRLA-PE	15-Sep-09	10:17	FW	3	1-L amber		X				X					
3	59-SSALA-PE	15-Sep-09	10:51	FW	5	1-L amber		X	X	X		X					
4	59-SSALA-PB	15-Sep-09	10:51	FW	5	1-L amber		X	X	X		X					
5	59-SSALA-PD	15-Sep-09	10:51	FW	5	1-L amber		X	X	X		X					
6	59-SSALA-PM	15-Sep-09	10:51	FW	3	1-G amber		X	X	X		X					
7	59-MSUSL-PE	15-Sep-09	12:10	FW	5	1-L amber		X	X	X		X					
8	59-SJRSD-PE	15-Sep-09	13:53	FW	3	1-L amber		X					X				
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank = 59-SSALA-PB
Lab and Field Duplicate = 59-SSALA-PD
APPL internal MS/MSD = 59-SSALA-PM (Do not invoice)

** Carbamate analyses must be low level detection

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916

RELIQUINSHED BY

Signature:	Andrea M. Rea	**Signature:**	[illegible]
Print:	Andrea M. Rea	**Print:**	DOUG RICHARDS
Organization:	CCID	**Organization:**	EP MILE
DATE: 9-15-09	**TIME:** 16:30	**DATE:** 9-15-09	**TIME:** 1800

RECEIVED BY

Signature:	[illegible]	**Signature:**	[illegible]
Print:	DOUG RICHARDS	**Print:**	Tom Vong
Organization:	EP MILE	**Organization:**	APPL INC
DATE: 9-15-09	**TIME:** 1630	**DATE:** 9/16/09	**TIME:** 800

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hamser
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	OP Pesticides: EPA 8141A/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	** Carbamates: EPA 8321	Herbicides: EPA 619/8321/8141	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141				
1	59-SJRPP-PE	15-Sep-09	1030	FW	3	1-L amber	X					X	X				
2	59-DMCDP-PE	15-Sep-09	1500	FW	3	1-L amber	X					X	X				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

** Carbamate analyses must be low level detection

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY			
Signature:		**Signature:**	
Print:	John Hamser	**Print:**	
Organization:	Del Puerto W.D	**Organization:**	
DATE: 9/15/09	**TIME:** 1600	**DATE:**	**TIME:**

RECEIVED BY			
Signature:		**Signature:**	
Print:		**Print:**	Tom Voss
Organization:		**Organization:**	Appl Inc
DATE:	**TIME:**	**DATE:** 9/16/09	**TIME:** 800

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
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Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides (Full List): EPA 8081, EPA 8321, EPA 8151, EPA 8141/619 (See Project specific analyses)**	OP Pesticides: EPA 8141A/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	Carbamates: EPA 8321	Herbicides: EPA 8321A (diuron and linuron) and EPA 619(atrazine, cyanazine, and simazine)	Herbicides: EPA 8141A (Prowl and Trifluralin)				
1	60-LBCHW-PE	13-Oct-09	9:35	FW	3	1-L amber		X				X					
2	60-SJRLA-PE	13-Oct-09	10:13	FW	3	1-L amber		X				X					
3	60-SSALA-PE	13-Oct-09	10:50	FW	5	1-L amber		X	X	X		X					
4	**60-SSALA-PB**	13-Oct-09	10:50	FW	5	1-L amber		X	X	X		X					
5	**60-SSALA-PD**	13-Oct-09	10:50	FW	5	1-L amber		X	X	X		X					
6	**60-SSALA-PM**	13-Oct-09	10:50	FW	3	1-G amber		X	X	X		X					
7	60-MSUSL-PE	13-Oct-09	12:27	FW	5	1-L amber		X	X	X		X					
8	60-SJRSD-PE	13-Oct-09	14:15	FW	3	1-L amber		X					X				
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank = **60-SSALA-PB**
Lab and Field Duplicate = **60-SSALA-PD**
APPL internal MS/MSD = **60-SSALA-PM** (Do not invoice)

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	Andrew M. Rae	**Signature:**	
Print:	Andrew M. Rae	**Print:**	
Organization:	CCID	**Organization:**	
DATE: 10-13-09	**TIME:** 16:30	**DATE:**	**TIME:**

RECEIVED BY

Signature:		**Signature:**	
Print:		**Print:**	Tom Lomg
Organization:		**Organization:**	Appl Inc
DATE:	**TIME:**	**DATE:** 10/16/09	**TIME:** 850

***MATRIX CODES:** (**SED** = Sediment); (**FW** = Freshwater); (**WW** = Wastewater); (**STRMW** = Stormwater)

1.5
60064

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides: "Extended List" EPA 8081, EPA 8321, EPA 8141/619 (See Project specific analyses)**	*Pesticides: "Group A" EPA 8081	Herbicides (EPA 8321, EPA 619, EPA 8141)	** Carbamates: EPA 8321	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141					
1	R8-VH132-PE	—	—	FW	6	1-L amber	X	X	X	X	X	X					
2	R8-HCARR-PE	10/14/09	0800	FW	6	1-L amber	X	X	X	X	X	X					
3	R8-ICARR-PE	10/14/09	0900	FW	6	1-L amber	X	X	X	X	X	X					
4	R8-ICARR-PB	10/14/09	0900	FW	6	1-L amber	X	X	X	X	X	X					
5	R8-ICARR-PD	10/14/09	0900	FW	6	1-L amber	X	X	X	X	X	X					
6	R8-ICARR-PM	10/14/09	0900	FW	5	multiple	X	X	X	X	X	X					
7	R8-WWNCR-PE	—	—	FW	6	1-L amber	X	X	X	X	X	X					
8	R8-DPCCR-PE	10/15/09	0930	FW	6	1-L amber	X	X	X	X	X	X					
9	R8-DPCHW-PE	—	—	FW	6	1-L amber	X	X	X	X	X	X					
10	R8-ROLFA-PE	10/14/09	1030	FW	6	1-L amber	X	X	X	X	X	X					
11	R8-MRDRR-PE	10/15/09	1130	FW	6	1-L amber	X	X	X	X	X	X					
12	R8-OCARR-PE	10/15/09	1045	FW	6	1-L amber	X	X	X	X	X	X					
13	R8-OCAHW-PE	10/15/09	1145	FW	6	1-L amber	X	X	X	X	X	X					
14	R8-DMCDP-PE	10/15/09	0800	FW	6	1-L amber	X	X	X	X	X	X					
15	R8-SJRPP-PE	10/14/09	1530	FW	6	1-L amber	X	X	X	X	X	X					

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R8-ICARR-PB = Field Blank

R8-ICARR-PD = Field Duplicate

R8-ICARR-PM = MS/MSD

*Analyze for: aldrin, chlorodane, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

** Carbamate analyses must be low level detection

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916

RELIQUINSHED BY			
Signature:	[signature]	Signature:	
Print:	John Hansen	Print:	
Organization:	DPWD	Organization:	
DATE: 10/15/09	TIME 1400	DATE:	TIME:

RECEIVED BY			
Signature:		Signature:	[signature]
Print:		Print:	Tom Vong
Organization:		Organization:	Appl Inc
DATE:	TIME:	DATE: 10/16/09	TIME: 800

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road,Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides (Full List): EPA 8081, EPA 8321, EPA 8151, EPA 8141/619 (See Project specific analyses)**	OP Pesticides: EPA 8141/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	Carbamates: EPA 8321	Herbicides: EPA 8321A (diuron and linuron) and EPA 619(atrazine, cyanazine, and simazine)	Herbicides: EPA 8141A (Prowl and Trifluralin)				
1	61-LBCHW-PE	10-Nov-09	9:19	FW	3	1-L amber		X				X					
2	61-SJRLA-PE	10-Nov-09	10:08	FW	3	1-L amber		X				X					
3	61-SSALA-PE	10-Nov-09	10:40	FW	5	1-L amber		X	X	X		X					
4	61-SSALA-PB	10-Nov-09	10:40	FW	5	1-L amber		X	X	X		X					
5	61-SSALA-PD	10-Nov-09	10:40	FW	5	1-L amber		X	X	X		X					
6	61-SSALA-PM	10-Nov-09	10:40	FW	3	1-G amber		X	X	X		X					
7	61-MSUSL-PE	10-Nov-09	12:01	FW	5	1-L amber		X	X	X		X					
8	61-SJRSD-PE	10-Nov-09	13:48	FW	3	1-L amber		X					X				
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank = **61-SSALA-PB**
Lab and Field Duplicate = **61-SSALA-PD**
APPL internal MS/MSD = **61-SSALA-PM** (Do not invoice)

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Andrew M. Rey	**Print:**	DOUG RICHARDS
Organization:	CCID	**Organization:**	EcoMile
DATE: 11-10-09	**TIME:** 16:05	**DATE:** 11-11-09	**TIME:** 1500

RECEIVED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	DOUG RICHARDS	**Print:**	Tom Vorg
Organization:	EcoMile	**Organization:**	Appl Inc
DATE: 11-10-09	**TIME:** 1605	**DATE:** 11/11/09	**TIME:** 800

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	Robin Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	OP Pesticides: EPA 8141/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	** Carbamates: EPA 8321	Herbicides: EPA 619/8321/8141	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141				
1	61-SJRPP-PE	10-Nov-09	1030	FW	3	1-L amber	X					X	X				
2	61-DMCDP-PE	10-Nov-09	1330	FW	3	1-L amber	X					X	X				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY			
Signature:	[signature]	Signature:	
Print:	Robin Hansen	Print:	
Organization:	DPR	Organization:	
DATE: 11/10/09	TIME: 1500	DATE:	TIME:

RECEIVED BY			
Signature:		Signature:	[signature]
Print:		Print:	Tom Vong
Organization:		Organization:	Apple Inc
DATE:	TIME:	DATE: 11/11/09	TIME: 700

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides: "Extended List" EPA 8081, EPA 8321, EPA 8141/619 (See Project specific analyses)**	*Pesticides: "Group A" EPA 8081	Herbicides (EPA 8321, EPA 619, EPA 8141)	** Carbamates: EPA 8321	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141					
1	R9-SSALA-PB	12-8-09	11:04	FW	6	1-L amber	X	X	X	X	X	X					
2	R9-SSALA-PD	12-8-09	11:04	FW	6	1-L amber	X	X	X	X	X	X					
3	R9-LBCCC-PE	12-8-09	8:15	FW	6	1-L amber	X	X	X	X	X	X					
4	~~R9-NWHFR-PE~~			~~FW~~	~~6~~	~~1-L amber~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
5	R9-LBCHW-PE	12-8-09	9:40	FW	6	1-L amber	X	X	X	X	X	X					
6	~~R9-TSAER-PE~~			~~FW~~	~~6~~	~~1-L amber~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
7	R9-SJRLA-PE	12-8-09	10:25	FW	6	1-L amber	X	X	X	X	X	X					
8	R9-SSALA-PE	12-8-09	11:04	FW	6	1-L amber	X	X	X	X	X	X					
9	~~R9-MSUSL-PE~~			~~FW~~	~~6~~	~~1-L amber~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
10	~~R9-SSASD-PE~~			~~FW~~	~~6~~	~~1-L amber~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
11	~~R9-PSATA-PE~~			~~FW~~	~~6~~	~~1-L amber~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
12	~~R9-SJRSD-PE~~			~~FW~~	~~6~~	~~1-L amber~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
13	R9-SSALA-PM	12-8-09	11:04	FW	5	multiple	X	X	X	X	X	X					

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R9-SSALA-PB = Field Blank

R9-SSALA-PD = Field Duplicate

R9-SSALA-PM = MS/MSD

*Analyze for: aldrin, chlorodane, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	
Print:	Andrew M. Rea	**Print:**	
Organization:	CCID	**Organization:**	
DATE: 12-8-09	**TIME:** 15:45	**DATE:**	**TIME:**

RECEIVED BY

Signature:		**Signature:**	[signature]
Print:		**Print:**	Tom Vong
Organization:		**Organization:**	APPL Inc
DATE:	**TIME:**	**DATE:** 12/9/09	**TIME:** 1120

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

NWHFR, TSAER, MSUSL, SSASD DATA } No samples due to No Flows

SJRSD - No Samples due to No Flow

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides: "Extended List" EPA 8081, EPA 8321, EPA 8141/619 (See Project specific analyses)**	*Pesticides: *Group A" EPA 8081	Herbicides (EPA 8321, EPA 619, EPA 8141)	** Carbamates: EPA 8321	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141					
1	R9-SSALA-PB	12-8-09	11:04	FW	6	1-L amber	X	X	X	X	X	X					
2	R9-SSALA-PD	12-8-09	11:04	FW	6	1-L amber	X	X	X	X	X	X					
3	R9-LBCCC-PE	12-8-09	8:19	FW	6	1-L amber	X	X	X	X	X	X					
4	R9-NWHFR-PE	12-9-09	9:18	FW	6	1-L amber	X	X	X	X	X	X					
5	R9-LBCHW-PE	12-8-09	9:40	FW	6	1-L amber	X	X	X	X	X	X					
6	R9-TSAER-PE	12-9-09	10:24	FW	6	1-L amber	X	X	X	X	X	X					
7	R9-SJRLA-PE	12-8-09	10:25	FW	6	1-L amber	X	X	X	X	X	X					
8	R9-SSALA-PE	12-8-09	11:04	FW	6	1-L amber	X	X	X	X	X	X					
9	R9-MSUSL-PE	12-9-09	11:49	FW	6	1-L amber	X	X	X	X	X	X					
10	R9-SSASD-PE	12-9-09	12:55	FW	6	1-L amber	X	X	X	X	X	X					
11	R9-PSAIA-PE	12-9-09	13:42	FW	6	1-L amber	X	X	X	X	X	X					
12	~~R9-SJRSD-PE~~			~~FW~~	~~6~~	~~1-L amber~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
13	R9-SSALA-PM	12-8-09	11:04	FW	5	multiple	X	X	X	X	X	X					

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R9-SSALA-PB = Field Blank

R9-SSALA-PD = Field Duplicate

R9-SSALA-PM = MS/MSD

*Analyze for: aldrin, chlorodane, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

RELIQUINSHED BY

Signature:	Andrew M. Rau	Signature:	Andrew M. Rau
Print:	Andrew M. Rau	Print:	Andrew M. Rau
Organization:	CCID	Organization:	CCID
DATE: 12-8-09	TIME: 15:45	DATE: 12-9-09	TIME: 16:40

RECEIVED BY

Signature:		Signature:	[signature]
Print:		Print:	Tom Vong
Organization:		Organization:	Appl Inc
DATE:	TIME:	DATE: 12/10/09	TIME: 1200

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

SSALA LBCHW
LBCCC STRIA } Sent 12-8-09

SJRSD - No Samples due to No Flow

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road,Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	OP Pesticides: EPA 8141/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	** Carbamates: EPA 8321	Herbicides: EPA 619/8321/8141	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141				
1	62-SJRPP-PE	8-Dec-09	~~1330~~ 0950	FW	3	1-L amber	X					X	X				
2	62-DMCDP-PE	8-Dec-09	1330	FW	3	1-L amber	X					X	X				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments: correction reads 0950

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	
Print:	John Hansen	**Print:**	
Organization:	DPWD	**Organization:**	
DATE: 12/8/09	**TIME:** 1600	**DATE:**	**TIME:**

RECEIVED BY

Signature:		**Signature:**	[signature]
Print:		**Print:**	Tom Vong
Organization:		**Organization:**	Appl Inc
DATE:	**TIME:**	**DATE:** 12/9/09	**TIME:** 1070

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides (Full List): EPA 8081, EPA 8321, EPA 8151, EPA 8141/619 (See Project specific analyses)**	OP Pesticides: EPA 8141/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	Carbamates: EPA 8321	Herbicides: EPA 8321A (diuron and linuron) and EPA 619(atrazine, cyanazine, and simazine)	Herbicides: EPA 8141A (Prowl and Trifluralin)				
1	63-LBCHW-PE	12-Jan-10	11:09	FW	3	1-L amber		X				X					
2	63-SJRLA-PE	12-Jan-10	12:09	FW	3	1-L amber		X				X					
3	63-SSALA-PE	12-Jan-10	12:30	FW	5	1-L amber		X	X	X		X					
4	63-SSALA-PB	12-Jan-10	12:30	FW	5	1-L amber		X	X	X		X					
5	63-SSALA-PD	12-Jan-10	12:30	FW	5	1-L amber		X	X	X		X					
6	63-SSALA-PM	12-Jan-10	12:30	FW	3	1-G amber		X	X	X		X					
7	63-MSUSL-PE	12-Jan-10	9:57	FW	5	1-L amber		X	X	X		X					
8	63-SJRSD-PE	12-Jan-10	15:11	FW	3	1-L amber		X					X				
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank = 63-SSALA-PB
Lab and Field Duplicate = 63-SSALA-PD
APPL internal MS/MSD = 63-SSALA-PM (Do not invoice)

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY			
Signature:		**Signature:**	
Print:	John Rolvas Jr	**Print:**	
Organization:	SCTO	**Organization:**	
DATE:	1/12/10 **TIME:** 7:30	**DATE:**	**TIME:**

RECEIVED BY			
Signature:		**Signature:**	
Print:	Tom Vong	**Print:**	
Organization:	APPL	**Organization:**	
DATE:	1/13/10 **TIME:** 1:40	**DATE:**	**TIME:**

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	OP Pesticides: EPA 8141/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	** Carbamates: EPA 8321	Herbicides: EPA 619/8321/8141	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141				
1	63-SJRPP-PE	12-Jan-10	1100	FW	3	1-L amber	X					X	X				
2	63-DMCDP-PE	12-Jan-10	1300	FW	3	1-L amber	X					X	X				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY			
Signature:	[signature]	Signature:	
Print:	John Hansen	Print:	
Organization:	DFG	Organization:	
DATE: 1/12/10	TIME: 1500	DATE:	TIME:

RECEIVED BY			
Signature:	[signature]	Signature:	
Print:	Tom Vong	Print:	
Organization:	Appl Inc	Organization:	
DATE: 1/13/10	TIME: 1150	DATE:	TIME:

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides: "Extended List" EPA 8081, EPA 8321, EPA 8141/619 (See Project specific analysis)**	*Pesticides: "Group A" EPA 8081	Herbicides (EPA 8321, EPA 619, EPA 8141)	** Carbamates: EPA 8321	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141					
1	R10-VH132-PE	1/25/10	0800	FW	6	1-L amber	X	X	X	X	X	X					
2	R10-HCARR-PE	1/25/10	0845	FW	6	1-L amber	X	X	X	X	X	X					
3	R10-ICARR-PE	1/25/10	0945	FW	6	1-L amber	X	X	X	X	X	X					
4	R10-WWNCR-PE	—	—	FW	6	1-L amber	X	X	X	X	X	X					
5	R10-DPCCR-PE	1/25/10	1045	FW	6	1-L amber	X	X	X	X	X	X					
6	R10-DPCHW-PE	1/25/10	1330	FW	6	1-L amber	X	X	X	X	X	X					
7	R10-ROLFA-PE	1/25/10	1430	FW	6	1-L amber	X	X	X	X	X	X					
8	R10-MRDRR-PE	1/25/10	1530	FW	6	1-L amber	X	X	X	X	X	X					
9	R10-OCARR-PE	1/26/10	0800	FW	6	1-L amber	X	X	X	X	X	X					
10	R10-OCAHW-PE	1/26/10	0900	FW	6	1-L amber	X	X	X	X	X	X					
11	R10-DMCDP-PE	1/26/10	1000	FW	6	1-L amber	X	X	X	X	X	X					
12	R10-SJRPP-PE	1/26/10	1100	FW	6	1-L amber	X	X	X	X	X	X					
13																	
14	~~R10-OCRCR-QE~~																
15																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

*Analyze for: aldrin, chlorodane, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

RELIQUINSHED BY			
Signature:	[signature]	**Signature:**	
Print:	John Hansen	**Print:**	
Organization:	DPCR	**Organization:**	
DATE: 1/26/10	**TIME:** 1400	**DATE:**	**TIME:**

RECEIVED BY			
Signature:	[signature]	**Signature:**	
Print:	Tom Vong	**Print:**	
Organization:	Appl	**Organization:**	
DATE: 1/27/10	**TIME:** 800	**DATE:**	**TIME:**

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides: "Extended List" EPA 8081, EPA 8321, EPA 8141/619 (See Project specific analyses)**	*Pesticides: "Group A" EPA 8081	Herbicides (EPA 8321, EPA 619, EPA 8141)	** Carbamates: EPA 8321	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141					
1	**R10-SSALA-PB**	1-21-10	12:50	FW	6	1-L amber	X	X	X	X	X	X					
2	**R10-SSALA-PD**	1-21-10	12:50	FW	6	1-L amber	X	X	X	X	X	X					
3	R10-LBCCC-PE	1-21-10	8:42	FW	6	1-L amber	X	X	X	X	X	X					
4	R10-NWHFR-PE	1-21-10	10:25	FW	6	1-L amber	X	X	X	X	X	X					
5	R10-LBCHW-PE	1-21-10	11:10	FW	6	1-L amber	X	X	X	X	X	X					
6	R10-TSAER-PE	1-21-10	11:50	FW	6	1-L amber	X	X	X	X	X	X					
7	R10-SJRLA-PE	1-21-10	12:22	FW	6	1-L amber	X	X	X	X	X	X					
8	R10-SSALA-PE	1-21-10	12:50	FW	6	1-L amber	X	X	X	X	X	X					
9	R10-MSUSL-PE	1-21-10	9:45	FW	6	1-L amber	X	X	X	X	X	X					
10	R10-SSASD-PE	1-21-10	14:20	FW	6	1-L amber	X	X	X	X	X	X					
11	R10-PSAIA-PE	1-21-10	15:05	FW	6	1-L amber	X	X	X	X	X	X					
12	R10-SJRSD-PE	1-21-10	15:37	FW	6	1-L amber	X	X	X	X	X	X					
13	**R10-SSALA-PM**	1-21-10	12:50	FW	5	multiple	X	X	X	X	X	X					

Correct Containers:	**Yes**	**No**	
Sample Temperature:	**Ambient**	**Cold**	**Warm**
Sample Preservative:	**Yes**	**No**	
Turnaround Time:	**STD**	**Specify:**	

Comments:

R10-SSALA-PB = Field Blank

R10-SSALA-PD = Field Duplicate

R10-SSALA-PM = MS/MSD

*Analyze for: aldrin, chlorodane, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	
Print:	John Rohar	**Print:**	
Organization:	CCID	**Organization:**	
DATE: 1-21-10	**TIME:** 17:00	**DATE:**	**TIME:**

RECEIVED BY

Signature:	[signature]	**Signature:**	
Print:	Tom Vong	**Print:**	
Organization:	Appl Inc	**Organization:**	
DATE: 1/22/10	**TIME:** 800	**DATE:**	**TIME:**

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

6 Cons

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road,Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides (Full List): EPA 8081, EPA 8321, EPA 8151, EPA 8141/619 (See Project specific analyses)**	OP Pesticides: EPA 8141/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	Carbamates: EPA 8321	Herbicides: EPA 8321A (diuron and linuron) and EPA 619(atrazine, cyanazine, and simazine)	Herbicides: EPA 8141A (Prowl and Trifluralin)				
1	64-LBCHW-PE	9-Feb-10	10:01	FW	3	1-L amber		X				X					
2	64-SJRLA-PE	9-Feb-10	11:30	FW	3	1-L amber		X				X					
3	64-SSALA-PE	9-Feb-10	12:15	FW	5	1-L amber		X	X	X		X					
4	64-SSALA-PB	9-Feb-10	12:15	FW	5	1-L amber		X	X	X		X					
5	64-SSALA-PD	9-Feb-10	12:15	FW	5	1-L amber		X	X	X		X					
6	64-SSALA-PM	9-Feb-10	12:15	FW	3	1-G amber		X	X	X		X					
7	64-MSUSL-PE	9-Feb-10	8:50	FW	5	1-L amber		X	X	X		X					
8	64-SJRSD-PE	9-Feb-10	14:25	FW	3	1-L amber		X					X				
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank = 64-SSALA-PB
Lab and Field Duplicate = 64-SSALA-PD
APPL internal MS/MSD = 64-SSALA-PM (Do not invoice)

** Carbamate analyses must be low level detection

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	John Rekias Jr.	**Print:**	Tom Vong
Organization:	CCTD	**Organization:**	Appl
DATE: 2/9/10	**TIME:** 17:00	**DATE:** 2/10/10	**TIME:** 1000

RECEIVED BY

Signature:		**Signature:**	
Print:		**Print:**	
Organization:		**Organization:**	
DATE:	**TIME:**	**DATE:**	**TIME:**

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	OP Pesticides: EPA 8141/619	OC Pesticides: "Base" EPA 8081	OC Pesticides: "Group A" EPA 8081	** Carbamates: EPA 8321	Herbicides: EPA 619/8321/8141	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141				
1	64-SJRPP-PE	9-Feb-10	1130	FW	3	1-L amber	X					X	X				
2	64-DMCDP-PE	9-Feb-10	1500	FW	3	1-L amber	X					X	X				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

** Carbamate analyses must be low level detection

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	John Hansen	**Print:**	Tom Vorry
Organization:	DPW D	**Organization:**	APPL
DATE: 2/9/10	**TIME:** 1600	**DATE:** 2/10/10	**TIME:** 1000

RECEIVED BY

Signature:		**Signature:**	
Print:		**Print:**	
Organization:		**Organization:**	
DATE:	**TIME:**	**DATE:**	**TIME:**

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road,Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

J100104

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen (sub-sampled by PER staff)
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Sediment Pesticides* ("PYROIDS.S" and "8081MS.S")
1	59-HCARR-STE	9/14/09	9:00	SED	1	Glass Jar	X
2	59-ICARR-STE	9/14/09	9:30	SED	1	Glass Jar	X
3	59-DPCCR-STE	9/14/09	13:30	SED	1	Glass Jar	X
4							
5							
6							
7							
8							
9							
10							
11							

Correct Containers:	**Yes**	**No**	
Sample Temperature:	**Ambient**	**Cold**	**Warm**
Sample Preservative:	**Yes**	**No**	
Turnaround Time:	**STD**	**Specify:**	

Comments: Samples frozen on 9/21/09.

*Analyze for Bifenthrin, Cyfluthrin, Cypermethrin, Esfenvalerate/Fenvalerate, Fenpropathrin, Lambda cyhalothrin, Permethrin, Chlorpyrifos, DDD(p,p'), DDE(p,p'), and DDT(p,p')

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Mike McElroy	**Print:**	S. Rutland
Organization:	PER	**Organization:**	Caltest
DATE: 10/2/09	**TIME:** 1200	**DATE:** 10/02/09	**TIME:** 1417

RECEIVED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	S. Rutland	**Print:**	K. Pole
Organization:		**Organization:**	Caltes
DATE: 100209	**TIME:** 1200	**DATE:** 10/2/09	**TIME:** 14[illegible]

***MATRIX CODES:** (**SED** = Sediment); (**FW** = Freshwater); (**WW** = Wastewater); (**STRMW** = Stormwater)

R/M 1.1

TEMP (°C): 1
SEALED: Y
INTACT: Y

J090658

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Bromide (Total) and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, **Needs Filtration ASAP**)	
1	1 59-PSAIA-QE	15-Sep-09	13:30	FW	6	Multiple Types	X			X	X	X	X	X			
2	2 59-NWHFR-QE	15-Sep-09	8:40	FW	6	Multiple Types	X			X	X	X	X	X			
3	3 59-SJRLA-QE	15-Sep-09	10:17	FW	6	Multiple Types	X			X	X	X	X	X			
4	4 59-MSUSL-QE	15-Sep-09	12:10	FW	6	Multiple Types	X			X	X	X	X	X			
5	-16 **59-SSALA-QD**	15-Sep-09	10:51	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
6	-17 **59-SSALA-QB**	15-Sep-09	10:51	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
7	-15 **59-SSALA-QM**	15-Sep-09	10:51	FW	12	Multiple Types		X			X	X	X	X	X	X	
8	-15 59-SSALA-QE	15-Sep-09	10:51	FW	6	Multiple Types	X			X	X	X	X	X	X	X	
9	5 59-LBCHW-QE	15-Sep-09	9:13	FW	6	Multiple Types	X			X	X	X	X	X			
10	6 59-LBCCC-QE	15-Sep-09	7:53	FW	6	Multiple Types	X			X	X	X	X	X			
11	7 59-TSAER-QE	15-Sep-09	9:50	FW	6	Multiple Types	X			X	X	X	X	X			
12	-18 59-SJRSD-QE	15-Sep-09	13:53	FW	4	Multiple Types			X	X				X	X	X	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Sample Type:	Grab	Composite	

Comments:

Field Blank = 59-SJRLA-QB

Lab and Field Duplicate = 59-SJRLA-QD

Caltest internal MS/MSD = 59-SJRLA-QM (Do not invoice)

QC Samples are Paired With = N/A

E. Coli Lab Duplicate and Field Duplicate = 59-SJRLA-QD

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

RELIQUINSHED BY

Signature:	Andrew M. Rea	Signature:	[illegible]
Print:	Andrew M. Rea	Print:	Jeremy Lavin
Organization:	CLID AR	Organization:	PER
DATE: 9-15-09	TIME: 16:30	DATE: 9/15/09	TIME: 20:00

RECEIVED BY

Signature:	[illegible]	Signature:	[illegible]
Print:	Jeremy Lavin	Print:	Kristin Worrell
Organization:	PER	Organization:	PER
DATE: 9/15/09	TIME: 1640	DATE: 9/16/09	TIME: 0015

Reli [illegible] 9/16/09 / 0730

Relinquished by: Kristin Worrell
Kristin Worrell
PER

Received by: [illegible]
Mike Lindsey
Caltest 9/16/09 / 0700

TEMP. (°C): 1
SEALED: Y
INTACT: Y

JOE 658

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, Needs Filtration ASAP)		
1	8 59-VH132-QE	15-Sep-09	0830	FW	6	Multiple Types	X		X	X	X	X	X				
2	9 59-ICARR-QE	15-Sep-09	0900	FW	6	Multiple Types	X		X	X	X	X	X				
3	10 59-WWNCR-QE	15-Sep-09	0930	FW	6	Multiple Types	X		X	X	X	X	X				
4	11 59-DPCCR-QE	15-Sep-09	1000	FW	6	Multiple Types	X		X	X	X	X	X				
5	12 59-ROLFA-QE	15-Sep-09	1100	FW	6	Multiple Types	X		X	X	X	X	X				
6	13 59-MRDRR-QE	15-Sep-09	1400	FW	6	Multiple Types	X		X	X	X	X	X				
7	14 59-OCARR-QE	15-Sep-09	1430	FW	6	Multiple Types	X		X	X	X	X	X				
8	19 59-SJRPP-QE	15-Sep-09	1030	FW	4	Multiple Types		X	X					X	X		
9	20 59-DMCDP-QE	15-Sep-09	1500	FW	4	Multiple Types		X	X					X	X		
10																	
11																	
12																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank =	None	
Lab and Field Duplicate =	None	
Caltest internal MS/MSD =	None	(Do not invoice)
QC Samples are Paired With =	None	
E. coli Lab Duplicate and Field Duplicate =	None	

RELINQUISHED BY

Signature:	[signature]	Signature:	[signature]
Print:	John Larsen	Print:	Jeremy Lavrin
Organization:	D.P.W.D.	Organization:	PER
DATE: 9/15/09	TIME: 1800	DATE: 9/15/09	TIME: 2000

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	Jeremy Lavrin	Print:	Kristin Worrell
Organization:	PER	Organization:	PER
DATE: 9/15/09	TIME: 1600	DATE: 9/16/09	TIME: 0815

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Relinquished by: [signature] 9/16/09 1070

Relinquished by: Kristin Worrell
Kristin Worrell

Recieved by: [signature]
Mike Lenhart

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

J100573

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Bromide (Total) and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, Needs Filtration ASAP)	
1	-4 60-PSAIA-QE	13-Oct-09	13:50	FW	6	Multiple Types	X			X	X	X	X	X			
2	-5 60-NWHFR-QE	13-Oct-09	8:48	FW	6	Multiple Types	X			X	X	X	X	X			
3	-6 60-SJRLA-QE	13-Oct-09	10:13	FW	6	Multiple Types	X			X	X	X	X	X			
4	-7 60-MSUSL-QE	13-Oct-09	12:27	FW	6	Multiple Types	X			X	X	X	X	X	X	X	
5	-1 60-SSALA-QD	13-Oct-09	10:50	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
6	-2 60-SSALA-QB	13-Oct-09	10:50	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
7	-3 60-SSALA-QM	13-Oct-09	10:50	FW	12	Multiple Types		X			X	X	X	X	X	X	
8	-3 60-SSALA-QE	13-Oct-09	10:50	FW	6	Multiple Types	X			X	X	X	X	X			
9	-8 60-LBCHW-QE	13-Oct-09	9:35	FW	6	Multiple Types	X			X	X	X	X	X			
10	-9 60-LBCCC-QE	13-Oct-09	7:49	FW	6	Multiple Types	X			X	X	X	X	X			
11	~~60-TSAER-QE~~	~~13-Oct-09~~		~~FW~~	~~6~~	~~Multiple Types~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			
12	-10 60-SJRSD-QE	13-Oct-09	14:15	FW	4	Multiple Types			X	X				X	X	X	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Sample Type:	Grab	Composite	

Comments:

Field Blank = 60-SJRLA-QB

Lab and Field Duplicate = 60-SJRLA-QD

Caltest internal MS/MSD = 60-SJRLA-QM (Do not invoice)

QC Samples are Paired With = N/A

E. Coli Lab Duplicate and Field Duplicate = 60-SJRLA-QD

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	Andrew M. Rea	Signature:	[signature]
Print:	Andrew M. Rea	Print:	Jeremy Lanin
Organization:	CCID	Organization:	PER
DATE: 10-13-09	TIME: 16:30	DATE: 10-13-09	TIME: 1715

RECEIVED BY

Signature:	[signature]	Signature:	Kristin Worrell
Print:	Jeremy Lanin	Print:	Kristin Worrell
Organization:	PER	Organization:	PER
DATE: 10-13-09	TIME: 16:30	DATE: 10/13/09	TIME: 0630

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

TSAER - No Samples collected due to no access - Too muddy. Rel by Kristin Worrell 10/14/09

Rec. by S. Rutland

TEMP. (°C): 3.1
SEALED: YES
INTACT: YES

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

J100631

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hanser
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), Solub. Orthophos. (as P)	E. coli	Total Metals: Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Selenium, and Zinc (Preserved with HNO3)	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Dissolved metals: Cadmium, Copper, Lead, Nickel, and Zinc (Unpreserved Needs Filtration		
1	~~R8-VH132-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
2	-1 R8-HCARR-QE	10/14/09	0900	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
3	-2 R8-ICARR-QE	10/14/09	0900	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
4	-3 R8-ICARR-PB X	10/14/09	0900	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
5	-4 R8-ICARR-PD	10/14/09	0900	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
6	-5 R8-ICARR-PM	10/14/09	0900	FW	9	Multiple Types	X	X	X	X	X	X	X	X		
7	~~R8-WWNCR-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
8	~~R8-DPCGR-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
9	~~R8-DPCHW-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
10	-5 6 R8-ROLFA-QE	10/14/09	1030	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
11	-6 7 R8-MRDRR-QE	10/14/09	1130	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
12	~~8 R8-OGARR-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
13	~~9 R8-OGAHW-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
14	~~8 R8-DMCDP-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
15	-7 8 R8-SJRPP-QE	10/14/09	1530	FW	7	Multiple Types	X	X	X	X	X	X	X	X		

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R8-ICARR-PB = Field Blank

R8-ICARR-PD = Field Duplicate

R8-ICARR-PM = MS/MSD

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

RELIQUINSHED BY			
Signature:	[signature]	Signature:	[signature]
Print:	John Hanser	Print:	Jason Coito
Organization:	DFW	Organization:	PER
DATE: 10/14/09	TIME: 1730	DATE: 10/14/09	TIME: 1920

RECEIVED BY			
Signature:	[signature]	Signature:	[signature]
Print:	Jason Coito	Print:	GLEN IMAIE
Organization:	PER	Organization:	Caltest
DATE: 10/14/09	TIME: 1730	DATE: 10/15/09	TIME: 0630

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Req [signature] 10/15/09 07:16 Rec by: [signature]

[illegible] for-diss Mets [illegible] received not Blank water

TEMP. (°C): 4.5
SEALED: Y
INTACT: Y

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

J100698

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), Solub. Orthophos. (as P)	E. coli	Total Metals: Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Selenium, and Zinc (Preserved with HNO3)	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Dissolved Metals: Cadmium, Copper, Lead, Nickel, and Zinc (Unpreserved, Needs Filtration)		
1	R8-VH132-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
2	R8-HCARR-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
3	R8-ICARR-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
4	R8-ICARR-PB	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
5	R8-ICARR-PD	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
6	R8-ICARR-PM	—	—	FW	9	Multiple Types	X	X	X	X	X	X	X	X		
7	R8-WWNCR-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
8	-1 R8-DPCCR-QE	10/15/09	0930	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
9	R8-DPCHW-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
10	R8-ROLFA-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
11	R8-MRDRR-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
12	-2 R8-OCARR-QE	10/15/09	1055	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
13	-3 R8-OCAHW-QE	10/15/09	1145	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
14	-4 R8-DMCDP-QE	10/15/09	0800	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
15	R8-SJRPP-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R8-ICARR-PB = Field Blank

R8-ICARR-PD = Field Duplicate

R8-ICARR-PM = MS/MSD

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

RELIQUINSHED BY

Signature:	[signature]	Signature:	[signature]
Print:	John Hansen	Print:	Jason Coito
Organization:	DDWD	Organization:	PER
DATE: 10/15/09	TIME: 1600	DATE: 10/15/09	TIME: 1930

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	Jason Coito	Print:	Jeremy Lawin
Organization:	PER	Organization:	PER
DATE: 10/15/09	TIME: 1715	DATE: 10/16/09	TIME: 0635

Rel: [signature] 10/16/09 / 0715

Rec by: [signature]

Jeremy Lawin PER 10/16/09 0635

Mike Cundiff Caltest 10/16/09 0655

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

TEMP. (°C): 1.9
SEALED: Y
INTACT: Y

J110519

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Bromide (Total) and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, **Needs Filtration ASAP**)	
1	-7 61-PSAIA-QE	10-Nov-09	13:25	FW	6	Multiple Types	X			X	X	X	X	X			
2	~~61-NWHFR-QE~~	~~10-Nov-09~~		~~FW~~	~~6~~	~~Multiple Types~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			
3	-8 61-SJRLA-QE	10-Nov-09	10:08	FW	6	Multiple Types	X			X	X	X	X	X			
4	-9 61-MSUSL-QE	10-Nov-09	12:01	FW	6	Multiple Types	X			X	X	X	X	X			
5	-2 **61-SSALA-QD**	10-Nov-09	10:40	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
6	-3 **61-SSALA-QB**	10-Nov-09	10:40	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
7	-1 **61-SSALA-QM**	10-Nov-09	10:40	FW	12	Multiple Types		X			X	X	X	X	X	X	
8	-1 61-SSALA-QE	10-Nov-09	10:40	FW	6	Multiple Types	X			X	X	X	X	X	X	X	
9	-10 61-LBCHW-QE	10-Nov-09	9:19	FW	6	Multiple Types	X			X	X	X	X	X			
10	-11 61-LBCCC-QE	10-Nov-09	8:01	FW	6	Multiple Types	X			X	X	X	X	X			
11	~~61-TSAER-QE~~	~~10-Nov-09~~		~~FW~~	~~6~~	~~Multiple Types~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			
12	-4 61-SJRSD-QE	10-Nov-09	13:48	FW	4	Multiple Types			X	X				X	X	X	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Sample Type:	Grab	Composite	

Comments:

Field Blank = 61-SJRLA-QB

Lab and Field Duplicate = 61-SJRLA-QD

Caltest internal MS/MSD = 61-SJRLA-QM (Do not invoice)

QC Samples are Paired With = N/A

E. Coli Lab Duplicate and Field Duplicate = 61-SJRLA-QD

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

RELIQUINSHED BY

Signature:	Andrew M. Rea	Signature:	JPC
Print:	Andrew M. Rea	Print:	Jason Coito
Organization:	CCID	Organization:	PER
DATE:	11-10-09	TIME: 17:09	DATE: 11/10/09 TIME:

RECEIVED BY

Signature:		Signature:	
Print:	Jason Coito	Print:	Kristin Worrell
Organization:	PER	Organization:	PBR
DATE:	11/10/09	TIME: 17:09	DATE: 11/11/09 TIME: 0625

Rel: 11/11/09 0705

61-NWHFR – no samples collected due to locked gate

61-TSAER No samples collected due to locked gate

Rel by Kristin Worrell PBR 11/11/09 0634

Recd by Mike Lunbeers Caltest

REC BY

J110519

TEMP. (°C): 1.9
SEALED: Y
INTACT: Y

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, **Needs Filtration ASAP**)		
1	~~1-61-VH132-QE~~	~~10-Nov-09~~	—	FW	6	Multiple Types	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				
2	-12 61-ICARR-QE	10-Nov-09	0830	FW	6	Multiple Types	X		X	X	X	X	X				
3	-13 61-WWNCR-QE	10-Nov-09	0930	FW	6	Multiple Types	X		X	X	X	X	X				
4	~~61-DPCCR-QE~~	~~10-Nov-09~~	—	FW	6	Multiple Types	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				
5	~~61-ROLFA-QE~~	~~10-Nov-09~~	—	FW	6	Multiple Types	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				
6	~~61-MRDRR-QE~~	~~10-Nov-09~~	—	FW	6	Multiple Types	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				
7	-14 61-OCARR-QE	10-Nov-09	1230	FW	6	Multiple Types	X		X	X	X	X	X				
8	-5 61-SJRPP-QE	10-Nov-09	1030	FW	4	Multiple Types		X	X					X	X		
9	-6 61-DMCDP-QE	10-Nov-09	1330	FW	4	Multiple Types		X	X					X	X		
10																	
11																	
12																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank =	None	
Lab and Field Duplicate =	None	
Caltest internal MS/MSD =	None	(Do not invoice)
QC Samples are Paired With =	None	
***E. coli* Lab Duplicate and Field Duplicate =**	None	

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	John Hansen	**Print:**	Kristin Worrell Jason Coito
Organization:	DDCD	**Organization:**	PER
DATE: 11/10/09	**TIME:** 1500	**DATE:** 11/11/09	**TIME:** 0625

RECEIVED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Jason Coito	**Print:**	Kristin Worrell
Organization:	PER	**Organization:**	PER
DATE: 11/10/09	**TIME:** 1630	**DATE:** 11/11/09	**TIME:** 0625

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Rel: [signature] 11/11/09 / 0705

Rel by Kristin Worrell Kristin Worrell PER 11/11/09 0634

Recd by [signature] Caltest 11/11/09 / 0634 Mike Cunlan

J120290

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road,Fairfield, CA 94534
(707) 270-7760 FAX.(707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), Solub. Orthophos. (as P)	E. coli	Total Metals: Arsenic, Boron, Cadmium, Copper, Lead, Nickel,Selenium, and Zinc (Preserved with HNO3)	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Dissolved Metals: Cadmium, Copper, Lead, Nickel,and Zinc (Unpreserved, **Needs Filtration ASAP**)		
1	-1 R9-SSALA-QB	12-8-09	11:04	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
2	-2 R9-SSALA-QD	12-8-09	11:04	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
3	-3 R9-LBCCC-QE	12-8-09	8:19	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
4	~~R9-NWHFR-QE~~			~~FW~~	~~7~~	~~Multiple Types~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
5	-4 R9-LBCHW-QE	12-8-09	9:40	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
6	~~R9-TSAER-QE~~			~~FW~~	~~7~~	~~Multiple Types~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
7	-5 R9-SJRLA-QE	12-8-09	10:25	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
8	-6 R9-SSALA-QE	12-8-09	11:04	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
9	~~R9-MSUSL-QE~~			~~FW~~	~~7~~	~~Multiple Types~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
10	~~R9-SSASD-QE~~			~~FW~~	~~7~~	~~Multiple Types~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
11	~~R9-PSAIA-QE~~			~~FW~~	~~7~~	~~Multiple Types~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
12	~~R9-SJRSD-QE~~			~~FW~~	~~7~~	~~Multiple Types~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
13	-7 R9-SSALA-QM	12-8-09	11:04	FW	9	Multiple Types	X	X	X	X	X	X	X	X		

Correct Containers:	**Yes**	**No**	
Sample Temperature:	**Ambient**	**Cold**	**Warm**
Sample Preservative:	**Yes**	**No**	
Turnaround Time:	**STD**	**Specify:**	

Comments:

R9-SSALA-QB = Field Blank

R9-SSALA-QD = Field Duplicate

R9-SSALA-QM = MS/MSD

RELIQUINSHED BY

Signature:	Andrew M. Rea	**Signature:**	Jason Coito
Print:	Andrew M. Rea	**Print:**	Jason Coito
Organization:	CCFD	**Organization:**	PER
DATE: 12-8-09	**TIME:** 16:25	**DATE:** 12/8/09	**TIME:** 1850

RECEIVED BY

Signature:		**Signature:**	
Print:	Jason Coito	**Print:**	Jeremy Lanin
Organization:	PER	**Organization:**	PER
DATE: 12/8/09	**TIME:** 1625	**DATE:** 12/9/09	**TIME:** 1626

Relinquished 12/9 Jeremy Lanin PER 12/9/09 1630

Received 12/9/09 6:30

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

NWHFR, TSAER, MSUSL, SSASD, PSAIA — No Samples due to No Access

SJRSD — No Samples due to No Flow

4

TEMP. (°C): 3.1
SEALED: Y
INTACT: Y

J120460

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), Solub. Orthophos. (as P)	E. coli	Total Metals: Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Selenium, and Zinc (Preserved with HNO3)	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Dissolved Metals: Cadmium, Copper, Lead, Nickel, and Zinc (Unpreserved, Needs Filtration ASAP)		
1	~~R9-SSALA-QB~~	~~12-8-09~~	~~11:04~~	~~FW~~	~~7~~	~~Multiple Types~~	X	X	X	X	X	X	X	X		
2	~~R9-SSALA-QD~~	~~12-8-09~~	~~11:04~~	~~FW~~	~~7~~	~~Multiple Types~~	X	X	X	X	X	X	X	X		
3	~~R9-LBCCC-QE~~	~~12-8-09~~	~~8:19~~	~~FW~~	~~7~~	~~Multiple Types~~	X	X	X	X	X	X	X	X		
4	-1 R9-NWHFR-QE	12-9-09	9:18	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
5	~~R9-LBCHW-QE~~	~~12-8-09~~	~~9:40~~	~~FW~~	~~7~~	~~Multiple Types~~	X	X	X	X	X	X	X	X		
6	-2 R9-TSAER-QE	12-9-09	10:24	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
7	~~R9-SJRLA-QE~~	~~12-8-09~~	~~10:25~~	~~FW~~	~~7~~	~~Multiple Types~~	X	X	X	X	X	X	X	X		
8	~~R9-SSALA-QE~~	~~12-8-09~~	~~11:04~~	~~FW~~	~~7~~	~~Multiple Types~~	X	X	X	X	X	X	X	X		
9	-3 R9-MSUSL-QE	12-9-09	11:49	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
10	-4 R9-SSASD-QE	12-9-09	12:55	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
11	-5 R9-PSAIA-QE	12-9-09	13:42	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
12	~~R9-SJRSD-QE~~			~~FW~~	~~7~~	~~Multiple Types~~	X	X	X	X	X	X	X	X		
13	~~R9-SSALA-QM~~	~~12-8-09~~	~~11:04~~	~~FW~~	~~9~~	~~Multiple Types~~	X	X	X	X	X	X	X	X		

	Yes	No	Warm
Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R9-SSALA-QB = Field Blank

R9-SSALA-QD = Field Duplicate

R9-SSALA-QM = MS/MSD

**Selenium by reaction cell.

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

RELIQUINSHED BY

Signature:	Andrew M. Rea	Signature:	Andrew M. Rea
Print:	Andrew M. Rea	Print:	Andrew M. Rea
Organization:	CCLD	Organization:	CCLD
DATE: 12-8-09	TIME: 16:25	DATE: 12-9-09	TIME: 16:00

RECEIVED BY

Signature:		Signature:	
Print:	Jason Coito	Print:	Jason Coito
Organization:	PER	Organization:	PER
DATE: 12/8/09	TIME: 1625	DATE: 12/9/09	TIME: 1600

Relinq
Jason Coito
PER
2/9/09 1850
Received
Alison Briden
PER
2/9/09 1850
Relinquished
Alison Briden
PER
2/10/09 0650
Rec'd
Mike Condon
Caltest
2/10/09 0650
Rel
2/10/09 0712

SSALA SJRLA LBCCC } Sent on 12-8-09

JRSD – No Samples due to No Flow

*2 days of Sampling on the COC do not

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Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, **Needs Filtration ASAP**)		
1	62-VH132-QE	8-Dec-09	—	FW	6	Multiple Types	X		X	X	X	X	X				
2	62-ICARR-QE	8-Dec-09	—	FW	6	Multiple Types	X		X	X	X	X	X				
3	62-WWNCR-QE	8-Dec-09	—	FW	6	Multiple Types	X		X	X	X	X	X				
4	62-DPCCR-QE	8-Dec-09	—	FW	6	Multiple Types	X		X	X	X	X	X				
5	-8 62-ROLFA-QE	8-Dec-09	1020	FW	6	Multiple Types	X		X	X	X	X	X				
6	62-MRDRR-QE	8-Dec-09	—	FW	6	Multiple Types	X		X	X	X	X	X				
7	62-OCARR-QE	8-Dec-09		FW	6	Multiple Types	X		X	X	X	X	X				
8	-9 62-SJRPP-QE	8-Dec-09	0950	FW	4	Multiple Types		X	X					X	X		
9	-10 62-DMCDP-QE	8-Dec-09	1330	FW	4	Multiple Types		X	X					X	X		
10																	
11																	
12																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank =	None	
Lab and Field Duplicate =	None	
Caltest internal MS/MSD =	None	(Do not invoice)
QC Samples are Paired With =	None	
***E. coli* Lab Duplicate and Field Duplicate =**	None	

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:		**Signature:**	
Print:	John Hansen	**Print:**	Jason Coito
Organization:	DFWD	**Organization:**	PER
DATE:	12/8/09	**TIME:**	1600

RECEIVED BY

Signature:		**Signature:**	
Print:	Jason Coito	**Print:**	Jeremy Lavin
Organization:	PER	**Organization:**	PER
DATE:	12/8/09	**TIME:**	1600

Relinquished
Jeremy Lavin
PER 630

Received
12/9/09
630

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

over.

K010458

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Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, Needs Filtration ASAP)		
1	~~63-VH132-QE~~	~~12-Jan-10~~		FW	6	Multiple Types	X		X	X	X	X	X				
2	~~63-ICARR-QE~~	~~12-Jan-10~~		FW	6	Multiple Types	X		X	X	X	X	X				
3	~~63-WWNCR-QE~~	~~12-Jan-10~~		FW	6	Multiple Types	X		X	X	X	X	X				
4	~~63-DPCCR-QE~~	~~12-Jan-10~~		FW	6	Multiple Types	X		X	X	X	X	X				
5	~~63-ROLFA-QE~~	~~12-Jan-10~~		FW	6	Multiple Types	X		X	X	X	X	X				
6	~~63-MRDRR-QE~~	~~12-Jan-10~~		FW	6	Multiple Types	X		X	X	X	X	X				
7	~~63-OCARR-QE~~	~~12-Jan-10~~		FW	6	Multiple Types	X		X	X	X	X	X				
8	-12 63-SJRPP-QE	12-Jan-10	1100	FW	4	Multiple Types		X	X					X	X		
9	-13 63-DMCDP-QE	12-Jan-10	1300	FW	4	Multiple Types		X	X					X	X		
10																	
11																	
12																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank =	None	
Lab and Field Duplicate =	None	
Caltest internal MS/MSD =	None	(Do not invoice)
QC Samples are Paired With =	None	
***E. coli* Lab Duplicate and Field Duplicate =**	None	

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	John Hansen	**Print:**	Jason Caito
Organization:	PER	**Organization:**	PER
DATE:	1/12/10	**TIME:** 1800	**DATE:** 1/12/10 **TIME:** 1900

RECEIVED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Jason Caito	**Print:**	Kristin Worrell
Organization:	PER	**Organization:**	PER
DATE:	1/12/10	**TIME:** 1800	**DATE:** 1/13/10 **TIME:** 0635

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Rel. by: Kristin Worrell Kristin Worrell PER 1/13/10 0635 Rec. by: JRHARR 1-12-10

JRHARR 1-13-10 0710 hrs Rec by: [signature]

K010458

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Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Bromide (Total) and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, **Needs Filtration ASAP**)	
1	-4 63-PSAIA-QE	12-Jan-10	14:50	FW	6	Multiple Types	X			X	X	X	X	X			
2	-5 63-NWHFR-QE	12-Jan-10	10:42	FW	6	Multiple Types	X			X	X	X	X	X			
3	-6 63-SJRLA-QE	12-Jan-10	12:04	FW	6	Multiple Types	X			X	X	X	X	X			
4	-7 63-MSUSL-QE	12-Jan-10	9:57	FW	6	Multiple Types	X			X	X	X	X	X			
5	-2 **63-SSALA-QD**	12-Jan-10	12:30	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
6	-3 **63-SSALA-QB**	12-Jan-10	12:30	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
7	-1 **63-SSALA-QM**	12-Jan-10	12:30	FW	12	Multiple Types		X			X	X	X	X	X	X	
8	-1 63-SSALA-QE	12-Jan-10	12:30	FW	6	Multiple Types	X			X	X	X	X	X	X	X	
9	-8 63-LBCHW-QE	12-Jan-10	11:09	FW	6	Multiple Types	X			X	X	X	X	X			
10	-9 63-LBCCC-QE	12-Jan-10	8:45	FW	6	Multiple Types	X			X	X	X	X	X			
11	-10 63-TSAER-QE	12-Jan-10	11:40	FW	6	Multiple Types	X			X	X	X	X	X			
*12	-11 63-SJRSD-QE	12-Jan-10	15:11	FW	4	Multiple Types			X	X				X	X	X	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Sample Type:	Grab	Composite	

Comments: *-63-SJRSD-QE DISS MET RECEIVED IN PRES Met Bottle. MJ 1/13/10

Field Blank = 63-SJRLA-QB

Lab and Field Duplicate = 63-SJRLA-QD

Caltest internal MS/MSD = 63-SJRLA-QM (Do not invoice)

QC Samples are Paired With = N/A

***E. Coli* Lab Duplicate and Field Duplicate =** 63-SJRLA-QD

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	John Reiner Jr.	**Print:**	Jason Coito
Organization:	CCID	**Organization:**	PER
DATE: 1/12/10	**TIME:** 16:40	**DATE:** 1/12/10	**TIME:** 1700

RECEIVED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Jason Coito	**Print:**	Kristin Worrell
Organization:	PER	**Organization:**	PER
DATE: 1/12/10	**TIME:** 1640	**DATE:** 1/13/10	**TIME:** 0625

JRHART - 1-13-10 - 0710 hrs. Rec'd by: Kristin Worrell PER

Rec'd by: Kristin Worrell PER

Rec. by: JRHART 1-13-10 0630

Pacific EcoRisk
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APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides: "Extended List" EPA 8081, EPA 8321, EPA 8141/619 (See Project specific analyses)**	*Pesticides: "Group A" EPA 8081	Herbicides (EPA 8321, EPA 619, EPA 8141)	** Carbamates: EPA 8321	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141					
1	R10-VH132-PE	1/25/10	0800	FW	6	1-L amber	X	X	X	X	X	X					
2	R10-HCARR-PE	1/25/10	0845	FW	6	1-L amber	X	X	X	X	X	X					
3	R10-ICARR-PE	1/25/10	0945	FW	6	1-L amber	X	X	X	X	X	X					
4	R10-WWNCR-PE	—	—	FW	6	1-L amber	X	X	X	X	X	X					
5	R10-DPCCR-PE	1/25/10	1045	FW	6	1-L amber	X	X	X	X	X	X					
6	R10-DPCHW-PE	1/25/10	1330	FW	6	1-L amber	X	X	X	X	X	X					
7	R10-ROLFA-PE	1/25/10	1430	FW	6	1-L amber	X	X	X	X	X	X					
8	R10-MRDRR-PE	1/25/10	1530	FW	6	1-L amber	X	X	X	X	X	X					
9	R10-OCARR-PE	1/26/10	0800	FW	6	1-L amber	X	X	X	X	X	X					
10	R10-OCAHW-PE	1/26/10	0900	FW	6	1-L amber	X	X	X	X	X	X					
11	R10-DMCDP-PE	1/26/10	1000	FW	6	1-L amber	X	X	X	X	X	X					
12	R10-SJRPP-PE	1/26/10	1100	FW	6	1-L amber	X	X	X	X	X	X					
13																	
14	~~R10-OCACA-PE~~																
15																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

*Analyze for: aldrin, chlordane, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

** Carbamate analyses must be low level detection

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

RELIQUINSHED BY			
Signature:	[signature]	Signature:	
Print:	John Hansen	Print:	
Organization:	DPCD	Organization:	
DATE: 1/26/10	TIME: 1400	DATE:	TIME:

RECEIVED BY			
Signature:	[signature]	Signature:	
Print:	Tom Vong	Print:	
Organization:	Appl	Organization:	
DATE: 1/27/10	TIME: 800	DATE:	TIME:

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

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ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

APPL CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Pesticides: "Extended List" EPA 8081, EPA 8321, EPA 8141/619 (See Project specific analyses)**	*Pesticides: "Group A" EPA 8081	Herbicides (EPA 8321, EPA 619, EPA 8141)	** Carbamates: EPA 8321	Trifluralin: EPA 8141	Prowl (Pendimethalin), EPA 8141					
1	R10-SSALA-PB	1-21-10	12:50	FW	6	1-L amber	X	X	X	X	X	X					
2	R10-SSALA-PD	1-21-10	12:50	FW	6	1-L amber	X	X	X	X	X	X					
3	R10-LBCCC-PE	1-21-10	8:42	FW	6	1-L amber	X	X	X	X	X	X					
4	R10-NWHFR-PE	1-21-10	10:25	FW	6	1-L amber	X	X	X	X	X	X					
5	R10-LBCHW-PE	1-21-10	11:10	FW	6	1-L amber	X	X	X	X	X	X					
6	R10-TSAER-PE	1-21-10	11:50	FW	6	1-L amber	X	X	X	X	X	X					
7	R10-SJRLA-PE	1-21-10	12:22	FW	6	1-L amber	X	X	X	X	X	X					
8	R10-SSALA-PE	1-21-10	12:50	FW	6	1-L amber	X	X	X	X	X	X					
9	R10-MSUSL-PE	1-21-10	9:45	FW	6	1-L amber	X	X	X	X	X	X					
10	R10-SSASD-PE	1-21-10	14:20	FW	6	1-L amber	X	X	X	X	X	X					
11	R10-PSAIA-PE	1-21-10	15:05	FW	6	1-L amber	X	X	X	X	X	X					
12	R10-SJRSD-PE	1-21-10	15:37	FW	6	1-L amber	X	X	X	X	X	X					
13	R10-SSALA-PM	1-21-10	12:50	FW	5	multiple	X	X	X	X	X	X					

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R10-SSALA-PB = Field Blank

R10-SSALA-PD = Field Duplicate

R10-SSALA-PM = MS/MSD

*Analyze for: aldrin, chlorodane, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

** Carbamate analyses must be low level detection

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916

RELIQUINSHED BY			
Signature:	[signature]	Signature:	
Print:	John Pelvas	Print:	
Organization:	CCTD	Organization:	
DATE: 1-21-10	TIME: 17:00	DATE:	TIME:

RECEIVED BY			
Signature:	[signature]	Signature:	
Print:	Tom Vong	Print:	
Organization:	Appl Inc	Organization:	
DATE: 1/22/10	TIME: 800	DATE:	TIME:

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

K01084c.

Pacific EcoRisk
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(707) 270-7760 FAX (707) 207-7916

TEMP. (°C): 2
SEALED: Y
INTACT: Y

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), Solub. Orthophos. (as P)	E. coli	Total Metals: Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Selenium, and Zinc (Preserved with HNO3)	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Dissolved Metals: Cadmium, Copper, Lead, Nickel, and Zinc (Unpreserved, **Needs Filtration ASAP**)		
1	-2 **R10-SSALA-QB**	1-21-10	12:50	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
2	-3 **R10-SSALA-QD**	1-21-10	12:50	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
3	-4 R10-LBCCC-QE	1-21-10	8:42	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
4	-5 R10-NWHFR-QE	1-21-10	10:25	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
5	-6 R10-LBCHW-QE	1-21-10	11:10	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
6	-7 R10-TSAER-QE	1-21-10	11:50	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
7	-8 R10-SJRLA-QE	1-21-10	12:23	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
8	-1 R10-SSALA-QE	1-21-10	12:50	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
9	-9 R10-MSUSL-QE	1-21-10	7:45	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
10	-10 R10-SSASD-QE	1-21-10	14:20	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
11	-11 R10-PSAIA-QE	1-21-10	15:05	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
12	-12 R10-SJRSD-QE	1-21-10	15:37	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
13	-1 **R10-SSALA-QM**	1-21-10	12:50	FW	9	Multiple Types	X	X	X	X	X	X	X	X		

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R10-SSALA-QB = Field Blank

R10-SSALA-QD = Field Duplicate

R10-SSALA-QM = MS/MSD

Analyze for ph = All Sites listed above. (dR)

**Selenium by reaction cell.

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

RELIQUINSHED BY

Signature:	[signature]	Signature:	[signature]
Print:	John Relvas	Print:	Jeremy Lawin
Organization:	CCTD	Organization:	PER
DATE: 1-21-10	TIME: 15:15	DATE: 1-22-10	TIME: 0700

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	Huy Vuong	Print:	Mike Lindeen
Organization:	PER	Organization:	Caltest
DATE: 1/21/10	TIME: 1515	DATE: 1/22/10	TIME: 0700

Rel: [signature] 1/22/10 0730

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

K010983

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	Salu Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), Solub. Orthophos. (as P)	E. coli	Total Metals: Arsenic, Boron, Cadmium, Copper, Lead, Nickel, Selenium, and Zinc (Preserved with HNO3)	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Dissolved Metals: Cadmium, Copper, Lead, Nickel, and Zinc (Unpreserved, Needs Filtration ASAP)		
1	R10-VH132-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
2	R10-HCARR-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
3	R10-ICARR-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
4	R10-WWNCR-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
5	R10-DPCCR-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
6	R10-DPCHW-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
7	R10-ROLFA-QE	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
8	~~R10-MRDRR-QE~~	—	—	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
9	-1 R10-OCARR-QE	1/26/10	0800	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
10	-2 R10-OCAHW-QE	1/26/10	0900	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
11	-3 R10-DMCDP-QE	1/26/10	0900	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
12	-4 R10-SJRPP-QE	1/26/10	1100	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
13																
14	*-5 R10-OCACA-QE	1/26/10	0945	FW	2	2-lt.	X							X		
15																

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

See Todd for R10-OCACA-QE

TEMP. (°C): 1.2
SEALED: YES
INTACT: YES

**Selenium by reaction cell.

Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

RELINQUISHED BY

Signature:	[signature]	Signature:	[signature]
Print:	Salu Hansen	Print:	Huy Vuong
Organization:	DFG	Organization:	PER
DATE: 1/26/10	TIME: 1400	DATE: 1/26/10	TIME: 1900

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	Huy Vuong	Print:	Kristin Worrell
Organization:	PER	Organization:	PER
DATE: 1/26/10	TIME: 1645	DATE: 1/27/10	TIME: 0624

Poured off @ 0720 1/27 for Analytes Attached requested in E-Mail 1/27/10

Rel. by [signature] CALTEST 1/27/10 7.02

Rec. by [signature] Kristin Worrell

Rel. by [signature] CALTEST 1/27/10 0624

K0109..

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road,Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), Solub. Orthophos. (as P)	E. coli	Total Metals: Arsenic, Boron, Cadmium, Copper, Lead, Nickel,Selenium, and Zinc (Preserved with HNO3)	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Dissolved Metals: Cadmium, Copper, Lead, Nickel,and Zinc (Unpreserved, **Needs Filtration ASAP**)		
1	-1 R10-VH132-QE	1/25/10	0800	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
2	-2 R10-HCARR-QE	1/25/10	0845	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
3	-3 R10-ICARR-QE	1/25/10	0945	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
4	~~R10-WWNCR-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
5	-4 R10-DPCCR-QE	1/25/10	1045	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
6	-5 R10-DPCHW-QE	1/25/10	1330	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
7	-6 R10-ROLFA-QE	1/25/10	1430	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
8	-7 R10-MRDRR-QE	1/25/10	1530	FW	7	Multiple Types	X	X	X	X	X	X	X	X		
9	~~R10-OCARR-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
10	~~R10-OCAHW-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
11	~~R10-DMCDP-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
12	~~R10-SJRPP-QE~~			FW	7	Multiple Types	X	X	X	X	X	X	X	X		
13																
14																
15																

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

TEMP (°C): 1.7
SEALED: Y
INTACT: Y

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at (707) 207-7916"

RELIQUINSHED BY

Signature:	[signature]	Signature:	[signature]
Print:	John Hansen	Print:	A. Gaston
Organization:	DFW	Organization:	PEIC
DATE: 1/25/10	TIME: 1700	DATE: 1/26/10	TIME: 0630

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	A. Gaston	Print:	Mike Lundeen
Organization:	PEIC	Organization:	Caltest
DATE: 1/26/10	TIME: 06:30	DATE: 1/26/10	TIME: 0630

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Rel: [signature]
1/26/10 0701

L 20505

TEMP. (°C): 0.6
SEALED: YES
INTACT: YES

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved, Needs Filtration ASAP)		
1	-01 64-VH132-QE	9-Feb-10	0900	FW	6	Multiple Types	X		X	X	X	X	X				
2	64-ICARR-QE	~~9-Feb-10~~	~~0930~~	FW	~~6~~	~~Multiple Types~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				
3	64-WWNCR-QE	~~9-Feb-10~~		FW	~~6~~	~~Multiple Types~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				
4	-02 64-DPCCR-QE	9-Feb-10	1000	FW	6	Multiple Types	X		X	X	X	X	X				
5	-03 64-ROLFA-QE	9-Feb-10	1030	FW	6	Multiple Types	X		X	X	X	X	X				
6	64-MRDRR-QE	~~9-Feb-10~~		FW	6	Multiple Types	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				
7	-04 64-OCARR-QE	9-Feb-10	1400	FW	6	Multiple Types	X		X	X	X	X	X				
8	-17 64-SJRPP-QE	9-Feb-10	1130	FW	4	Multiple Types		X	X					X	X		
9	-18 64-DMCDP-QE	9-Feb-10	1500	FW	4	Multiple Types		X	X					X	X		
10																	
11																	
12																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Blank =	None	
Lab and Field Duplicate =	None	
Caltest internal MS/MSD =	None	(Do not invoice)
QC Samples are Paired With =	None	
E. coli Lab Duplicate and Field Duplicate =	None	

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	[signature]	Signature:	[signature]
Print:	John Hansen	Print:	Huy Vuong
Organization:	DPWD	Organization:	PER
DATE: 2/9/10	TIME: 1600	DATE: 2/10/10	TIME: 1600

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	Huy Vuong	Print:	GLEN IMRIE
Organization:	PER	Organization:	CALTEST
DATE: 2/9/10	TIME: 1600	DATE: 2/10/10	TIME: 0130

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Req [signature] 0701 2/10/10 [signature] 2/10 0701

K02 35

TEMP. (°C): 1.2
SEALED: YES
INTACT: YES

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

Caltest CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

		Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Turbidity, TDS, TSS, Bromide (Total), and Solub. Orthophos. (as P)	Bromide (Total) and Solub. Orthophos. (as P)	Turbidity, TDS, and TSS	E. coli	TKN, Total NH3, Nitrogen (as NO3+ NO2), and Total Phosphate (as P)	TOC	DOC	Hardness as Ca CO3 (Preserved with HNO3)	Total Metals: Boron, Copper, Nickel, and Zinc (Preserved with HNO3)	Dissolved Metals: Copper, Nickel, and Zinc (Unpreserved. Needs Filtration ASAP)	
1	-05	64-PSAIA-QE	9-Feb-10	13:50	FW	6	Multiple Types	X			X	X	X	X	X			
2	-06	64-NWHFR-QE	9-Feb-10	9:37	FW	6	Multiple Types	X			X	X	X	X	X			
3	-07	64-SJRLA-QE	9-Feb-10	11:30	FW	6	Multiple Types	X			X	X	X	X	X			
4	-08	64-MSUSL-QE	9-Feb-10	8:50	FW	6	Multiple Types	X			X	X	X	X	X			
5	-09	**64-SSALA-QD** •	9-Feb-10	12:15	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
6	-13	**64-SSALA-QB** •	9-Feb-10	12:15	FW	7	Multiple Types	X			X	X	X	X	X	X	X	
~~7~~	~~14~~	~~**64-SSALA-QM**~~	9-Feb-10	12:15	FW	12	Multiple Types		X			X	X	X	X	X	X	
8	-15	64-SSALA-QE	9-Feb-10	12:15	FW	6	Multiple Types	X			X	X	X	X	X	X	X	
9	-09	64-LBCHW-QE	9-Feb-10	10:51	FW	6	Multiple Types	X			X	X	X	X	X			
10	-10	64-LBCCC-QE •	9-Feb-10	8:00	FW	6	Multiple Types	X			X	X	X	X	X			
11	-11	64-TSAER-QE •	9-Feb-10	10:40	FW	6	Multiple Types	X			X	X	X	X	X			
12	-16	64-SJRSD-QE	9-Feb-10	14:25	FW	4	Multiple Types			X	X				X	X	X	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Sample Type:	Grab	Composite	

Comments:

Field Blank = 64-SJRLA-QB

Lab and Field Duplicate = 64-SJRLA-QD

Caltest internal MS/MSD = 64-SJRLA-QM (Do not invoice)

QC Samples are Paired With = N/A

E. Coli Lab Duplicate and Field Duplicate = 64-SJRLA-QD

**Selenium by reaction cell.

"Upon receipt of samples, please fax a copy of the signed and received COC to Stephen Clark at 707-207-7916"

RELIQUINSHED BY

Signature:	[signature]	Signature:	[signature]
Print:	John Robles Jr.	Print:	Huy Vuong
Organization:	CCTD	Organization:	PER
DATE: 2/9/10	TIME: 17:00	DATE: 2/10/10	TIME: 0700

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	Huy Vuong	Print:	GLEN IMRIE
Organization:	PER	Organization:	Caltest
DATE: 2/9/10	TIME: 1700	DATE: 2/10/10	TIME: 0630

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

REQ [signature] 0702 2/10/10

[signature] 0702 2/10/10

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	Nola Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute Hyalella*										
1	59-HCARR-STE	9/14/09	0900	SED	1	2-L Glass Jar	X										
2	59-ICARR-STE	"	0930	SED	1	2-L Glass Jar	X										
3	59-WWNCR-STE	"	1410	SED	1	2-L Glass Jar	X										
4	59-DPCCR-STE	"	1330	SED	1	2-L Glass Jar	X										
5	59-DPCHW-STE	—	—	SED	1	2-L Glass Jar	X										
6	59-ROLFA-STE	"	1015	SED	1	2-L Glass Jar	X										
7	59-OCARR-STE	"	1100	SED	1	2-L Glass Jar	X										
8	59-OCAHW-STE	"	1130	SED	1	2-L Glass Jar	X										
9																	
10																	
11																	

Correct Containers:	Yes	No		
Sample Temperature:	Ambient	Cold	Warm	
Sample Preservative:	Yes	No		
Turnaround Time:	STD	Specify:		

Comments:

Field Duplicate = None

*As per MRP requirements, test samples for Hyalella survival only.

Temp blank 0.1 °C
Field temp 5.0 °C (CS# 3)

RELIQUINSHED BY			
Signature:	[signature]	**Signature:**	[signature]
Print:	Nola Hansen	**Print:**	Jeremy Larrin
Organization:		**Organization:**	PER
DATE: 9/15/09	**TIME:** 1600	**DATE:** 9/15/09	**TIME:** 2000

RECEIVED BY			
Signature:	[signature]	**Signature:**	[signature]
Print:	Jeremy Larrin	**Print:**	Kristin Worrell
Organization:	PER	**Organization:**	PER
DATE: 9/15/09	**TIME:** 1600	**DATE:** 9/16/09	**TIME:** 0615

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	[illegible]
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute Hyalella*										
1	59-NWHFR-STE	9-14-09	13:04	SED	1	2-L Glass Jar	X										
2	59-LBCCC-STE	9-14-09	11:15	SED	1	2-L Glass Jar	X										
3	59-LBCCC-STD	9-14-09	11:15	SED	1	2-L Glass Jar	X										
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Duplicate = None

*As per MRP requirements, test samples for Hyalella survival only.

Temp blank 0.1 °C
Fridge temp 5.0°C (CSR#3)

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Andrea M. Rea	**Print:**	Jeremy Lawin
Organization:	CCID	**Organization:**	PER
DATE: 9-15-09	**TIME:** 16:40	**DATE:** 9/15/09	**TIME:** 2000

RECEIVED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Jeremy Lawin	**Print:**	Kristin Worrell
Organization:	PER	**Organization:**	PER
DATE: 9/15/09	**TIME:** 1640	**DATE:** 9/16/09	**TIME:** 0615

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Chronic *Selenastrum*	Acute *Ceriodaphnia*
1	59-LBCHW-TE	15-Sep-09	9:13	FW	3	1-G AmberGlass		X
2	59-SJRLA-TE	15-Sep-09	10:17	FW	5	1-G AmberGlass	X	X
4	59-SSALA-TE	15-Sep-09	10:51	FW	5	1-G AmberGlass	X	X
	59-SSALA-TD	15-Sep-09	10:51	FW	5	1-G AmberGlass	X	X
5	59-MSUSL-TE	15-Sep-09	12:10	FW	3	1-G AmberGlass		X
6								
7								
8								
9								
11								

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Duplicate = 59-SSALA-TD

All cooler temps 0.1

Cold Storage room 1 temp: 4.0

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY

Signature:	Andrew M. Rea	Signature:	[illegible]
Print:	Andrew M. Rea	Print:	Jeremy Lawin
Organization:	CCID	Organization:	PER
DATE:	9-15-09	TIME: 16:40	DATE: 9/15/09 TIME: 2000

RECEIVED BY

Signature:	[illegible]	Signature:	[illegible]
Print:	Jeremy Lawin	Print:	Kristin Worrell
Organization:	PER	Organization:	DFG R
DATE:	9/15/09	TIME: 1640	DATE: 9/16/09 TIME: 0615

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	Andy Rea
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Chronic *Selenastrum*	Acute *Ceriodaphnia*
1	60-LBCHW-TE	13-Oct-09	9:35	FW	3	1-G AmberGlass		X
2	60-SJRLA-TE	13-Oct-09	10:13	FW	5	1-G AmberGlass	X	X
4	60-SSALA-TE	13-Oct-09	10:50	FW	5	1-G AmberGlass	X	X
	60-SSALA-TD	13-Oct-09	10:50	FW	5	1-G AmberGlass	X	X
5	60-MSUSL-TE	13-Oct-09	12:27	FW	3	1-G AmberGlass		X
6								
7								
8								
9								
11								

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Duplicate = 60-SSALA-TD

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY

Signature:	[signature]	Signature:	[signature]
Print:	Andrea M. Rea	Print:	Jeremy Laurin
Organization:	CCID	Organization:	PER
DATE: 10-13-09	TIME: 16:30	DATE: 10-13-09	TIME: 17:15

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	Jeremy Laurin	Print:	Kristin Worrell
Organization:	PER	Organization:	PER
DATE: 10-13-09	TIME: 16:30	DATE: 10/13/09 14	TIME: 06:30

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Rel. by: S. Rutt
S. Rutland 10/14/09 0710

1.2

Rel. by [signature] Kristin Worrell PER 10/13/14/09 0630

Rec. by S. Rutt
S. Rutland
CRL/PEST
10/14/09

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	Nolan Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute *Ceriо*, Acute FHM, Chronic *Selenastrum*
1	R8-VH132-TE	—	—	FW	5	1-G AmberGlass	X
2	R8-HCARR-TE	10/14/09	0800	FW	5	1-G AmberGlass	X
3	R8-ICARR-TE	10/14/09	0900	FW	5	1-G AmberGlass	X
4	R8-ICARR-TD	10/14/09	0900	FW	5	1-G AmberGlass	X
5	R8-WWNCR-TE	—	—	FW	5	1-G AmberGlass	X
6	R8-DPCCR-TE	—	—	FW	5	1-G AmberGlass	X
7	R8-DPCHW-TE	—	—	FW	5	1-G AmberGlass	X
8	R8-ROLFA-TE	10/14/09	1030	FW	5	1-G AmberGlass	X
9	R8-MRDRR-TE	10/14/09	1130	FW	5	1-G AmberGlass	X
10	R8-OCARR-TE	—	—	FW	5	1-G AmberGlass	X
11	R8-OCAHW-TE	—	—	FW	5	1-G AmberGlass	X
12	R8-DMCDP-TE	—	—	FW	5	1-G AmberGlass	X
13	R8-SJRPP-TE	10/14/09	1530	FW	5	1-G AmberGlass	X

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R8-ICARR-TD = Field Duplicate

All samples: 0.1
cooler temp: 0.1

#1
cold storage temp: 4.1

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Nolan Hansen	**Print:**	Jason Coito
Organization:	DFG	**Organization:**	PER
DATE: 10/14/09	**TIME:** 1730	**DATE:** 10/14/09	**TIME:** 1730

RECEIVED BY

Signature:	[signature]	**Signature:**	[signature]
Print:	Jason Coito	**Print:**	Mike Maldonado
Organization:	PER	**Organization:**	PER
DATE: 10/14/09	**TIME:** 1730	**DATE:** 10/15/09	**TIME:** 0830

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute *Ceriodaphnia*, Acute FHM, Chronic *Selenastrum*
1	R8-VH132-TE	—	—	FW	5	1-G AmberGlass	X
2	R8-HCARR-TE	—	—	FW	5	1-G AmberGlass	X
3	R8-ICARR-TE	—	—	FW	5	1-G AmberGlass	X
4	R8-ICARR-TD	—	—	FW	5	1-G AmberGlass	X
5	R8-WWNCR-TE	—	—	FW	5	1-G AmberGlass	X
6	R8-DPCCR-TE	10/15/09	0930	FW	5	1-G AmberGlass	X
7	R8-DPCHW-TE	—	—	FW	5	1-G AmberGlass	X
8	R8-ROLFA-TE	—	—	FW	5	1-G AmberGlass	X
9	R8-MRDRR-TE	—	—	FW	5	1-G AmberGlass	X
10	R8-OCARR-TE	10/15/09	1045	FW	5	1-G AmberGlass	X
11	R8-OCAHW-TE	10/15/09	1145	FW	5	1-G AmberGlass	X
12	R8-DMCDP-TE	10/15/09	0800	FW	5	1-G AmberGlass	X
13	R8-SJRPP-TE	—	—	FW	5	1-G AmberGlass	X

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R8-ICARR-TD = Field Duplicate

Cooler temp = 0.1 °C
Cold storage room # temp = 3.9 °C

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY			
Signature:	[signature]	Signature:	[signature]
Print:	John Hansen	Print:	Jason Caito
Organization:	DPWD	Organization:	PER
DATE: 10/15/09	TIME: 1600	DATE: 10/15/09	TIME: 1930

RECEIVED BY			
Signature:	[signature]	Signature:	[signature]
Print:	Jason Caito	Print:	Jeremy Carin
Organization:	PER	Organization:	PCR
DATE: 10/15/09	TIME: 1715	DATE: 10/16/09	TIME: 0820

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Chronic *Selenastrum*	Acute *Ceriodaphnia*
1	61-LBCHW-TE	10-Nov-09	9:19	FW	3	1-G AmberGlass		X
2	61-SJRLA-TE	10-Nov-09	10:08	FW	5	1-G AmberGlass	X	X
4	61-SSALA-TE	10-Nov-09	10:40	FW	5	1-G AmberGlass	X	X
	61-SSALA-TD	10-Nov-09	10:40	FW	5	1-G AmberGlass	X	X
5	61-MSUSL-TE	10-Nov-09	12:01	FW	3	1-G AmberGlass		X
6								
7								
8								
9								
11								

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Duplicate = 61-SSALA-TD

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY

Signature:	Andrew M. Rea	Signature:	
Print:	Andrew M. Rea	Print:	
Organization:	CCID	Organization:	
DATE:	11-10-09 TIME: 1769	DATE:	TIME:

RECEIVED BY

Signature:	Jason Coito	Signature:	
Print:	Jason Coito	Print:	
Organization:	PER	Organization:	
DATE:	11/10/09 TIME: 17:08	DATE:	TIME:

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	Andrew Rea
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS: Acute *Ceriodaphnia*, Acute FHM, Chronic *Selenastrum*

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute Ceriodaphnia, Acute FHM, Chronic Selenastrum
1	~~R9-SSALA-TD~~	~~12-8-09~~	~~11:04~~	~~FW~~	~~5~~	~~1-G AmberGlass~~	~~X~~
2	~~R9-LBCCC-TE~~	~~12-8-09~~	~~8:17~~	~~FW~~	~~5~~	~~1-G AmberGlass~~	~~X~~
3	R9-NWHFR-TE	12-9-09	9:18	FW	5	1-G AmberGlass	X
4	~~R9-LBCHW-TE~~	~~12-8-09~~	~~9:40~~	~~FW~~	~~5~~	~~1-G AmberGlass~~	~~X~~
5	R9-TSAER-TE	12-9-09	10:24	FW	5	1-G AmberGlass	X
6	~~R9-SJRLA-TE~~	~~12-8-09~~	~~10:25~~	~~FW~~	~~5~~	~~1-G AmberGlass~~	~~X~~
7	~~R9-SSALA-TE~~	~~12-8-09~~	~~11:04~~	~~FW~~	~~5~~	~~1-G AmberGlass~~	~~X~~
8	R9-MSUSL-TE	12-9-09	11:49	FW	5	1-G AmberGlass	X
9	R9-SSASD-TE	12-9-09	12:55	FW	5	1-G AmberGlass	X
10	R9-PSAIA-TE	12-9-09	13:42	FW	5	1-G AmberGlass	X
11	~~R9-SJRSD-TE~~			~~FW~~	~~5~~	~~1-G AmberGlass~~	~~X~~

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R9-SSALA-TD = Field Duplicate

cooler temp = 0.1 °C

temp in cold storage room 1 = 4.0 °C

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY		RECEIVED BY	
Signature:	Andrew M. Rea	Signature:	Jason Coito
Print:	Andrew M. Rea	Print:	Jason Coito
Organization:	CCID	Organization:	PER
DATE: 12-8-09	TIME: 16:25	DATE: 12/8/09	TIME: 1625
Signature:	Andrew M. Rea	Signature:	Jason Coito
Print:	Andrew M. Rea	Print:	Jason Coito
Organization:	CCID	Organization:	PER
DATE: 12-9-09	TIME: 16:00	DATE: 12/9/09	TIME: 1600

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Relinq Jason Coito PER 12/9/09 1850

24/118

SSALA LBCHW LBCCC SJRLA } Sent on 12-8-09

SJRSD — No Samples due to No Flow.

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	Andrew Rea
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute *Ceriо*, Acute FHM, Chronic *Selenastrum*
1	R9-SSALA-TD	12-8-09	11:04	FW	5	1-G AmberGlass	X
2	R9-LBCCC-TE	12-8-09	8:19	FW	5	1-G AmberGlass	X
3	R9-NWHFR-TE	--	--	FW	5	1-G AmberGlass	X
4	R9-LBCHW-TE	12-8-09	9:40	FW	5	1-G AmberGlass	X
5	R9-TSAER-TE	-	-	FW	5	1-G AmberGlass	X
6	R9-SJRLA-TE	12-8-09	10:25	FW	5	1-G AmberGlass	X
7	R9-SSALA-TE	12-8-09	11:04	FW	5	1-G AmberGlass	X
8	R9-MSUSL-TE	-	-	FW	5	1-G AmberGlass	X
9	R9-SSASD-TE	-	--	FW	5	1-G AmberGlass	X
10	R9-PSAIA-TE	--	-	FW	5	1-G AmberGlass	X
11	R9-SJRSD-TE	--	--	FW	5	1-G AmberGlass	X

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

R9-SSALA-TD = Field Duplicate

Cooler temp = 0.1 °C

temp in cold storage room 1 = 4.0 °C

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY			
Signature:	Andrew M. Rea	Signature:	[illegible]
Print:	Andrew M Rea	Print:	Jason Coito
Organization:	LCER	Organization:	PER
DATE: 12-8-09	TIME: 16:25	DATE: 12/8/09	TIME: 1850

RECEIVED BY			
Signature:	[illegible]	Signature:	[illegible]
Print:	Jason Coito	Print:	Jeremy Lauria
Organization:	PER	Organization:	PER
DATE: 12/8/09	TIME: 16 25	DATE: 12/9/09	TIME: 0830

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

NWHFR, TSAER, MSUSL, SSASD, PSAIA } No Samples due to No Access

SJRSD – No Samples due to No Flow

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	J. Relvas
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Chronic *Selenastrum*	Acute *Ceriodaphnia*
1	63-LBCHW-TE	12-Jan-10	11:09	FW	3	1-G AmberGlass		X
2	63-SJRLA-TE	12-Jan-10	12:04	FW	5	1-G AmberGlass	X	X
3	63-SSALA-TE	12-Jan-10	12:30	FW	5	1-G AmberGlass	X	X
4	63-SSALA-TD	12-Jan-10	12:30	FW	5	1-G AmberGlass	X	X
5	63-MSUSL-TE	12-Jan-10	9:57	FW	3	1-G AmberGlass		X
6								
7								
8								
9								
10								

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Duplicate = 63-SSALA-TD

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.
Cold storage room temp: 5.0°C
Cooler temp.: 0.0°C

RELIQUINSHED BY

Signature:	[signature]	Signature:	[signature]
Print:	John Relvas Jr.	Print:	Jason Coito
Organization:	CCID	Organization:	PER
DATE: 1/12/10	TIME: 1640	DATE: 1/12/10	TIME: 1900

RECEIVED BY

Signature:	[signature]	Signature:	[signature]
Print:	Jason Coito	Print:	Kristin Worrell
Organization:	PER	Organization:	PER
DATE: 1/12/10	TIME: 1640	DATE: 1/13/10	TIME: 0800

Relinquished by: [signature] Received by: [signature]
Kristin Worrell
1/13/10

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Relves
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute *Ceriodaphnia*, Acute FHM, Chronic *Selenastrum*										
1	**R10-SSALA-TD**	1-21-10	12:50	FW	5	1-G AmberGlass	X										
2	R10-LBCCC-TE	1-21-10	[illegible]	FW	5	1-G AmberGlass	X										
3	R10-NWHFR-TE	1-21-10	10:35	FW	5	1-G AmberGlass	X										
4	R10-LBCHW-TE	1-21-10	[illegible]	FW	5	1-G AmberGlass	X										
5	R10-TSAER-TE	1-21-10	11:50	FW	5	1-G AmberGlass	X										
6	R10-SJRLA-TE	1-21-10	[illegible]	FW	5	1-G AmberGlass	X										
7	R10-SSALA-TE	1-21-10	[illegible]	FW	5	1-G AmberGlass	X										
8	R10-MSUSL-TE	1-21-10	[illegible]	FW	5	1-G AmberGlass	X										
9	R10-SSASD-TE	1-21-10	[illegible]	FW	5	1-G AmberGlass	X										
10	R10-PSAIA-TE	1-21-10	[illegible]	FW	5	1-G AmberGlass	X										
11	R10-SJRSD-TE	1-21-10	15:57	FW	5	1-G AmberGlass	X										

Correct Containers:	**Yes**	**No**	
Sample Temperature:	**Ambient**	**Cold**	**Warm**
Sample Preservative:	**Yes**	**No**	
Turnaround Time:	**STD**	**Specify:**	

Comments:

R10-SSALA-TD = Field Duplicate

cooler temp = 0.1°C

cold storage room #1 = 4.0°C

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY			
Signature:	[signature]	**Signature:**	
Print:	John Relves	**Print:**	
Organization:	CERO	**Organization:**	
DATE: 1-21-10	**TIME:** 15:15	**DATE:**	**TIME:**

RECEIVED BY			
Signature:	[signature]	**Signature:**	
Print:	Hai Vinh	**Print:**	
Organization:	PER	**Organization:**	
DATE: 1/21/10	**TIME:** ~~15:15~~ 1715	**DATE:**	**TIME:**

***MATRIX CODES:** (**SED** = Sediment); (**FW** = Freshwater); (**WW** = Wastewater); (**STRMW** = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute *Ceriodaphnia*, Acute FHM, Chronic *Selenastrum*
1	R10-VH132-TE	1/25/10	0800	FW	5	1-G AmberGlass	X
2	R10-HCARR-TE	1/25/10	0845	FW	5	1-G AmberGlass	X
3	R10-ICARR-TE	1/25/10	0945	FW	5	1-G AmberGlass	X
4	R10-WWNCR-TE	—	—	FW	5	1-G AmberGlass	X
5	R10-DPCCR-TE	1/25/10	1045	FW	5	1-G AmberGlass	X
6	R10-DPCHW-TE	1/25/10	1330	FW	5	1-G AmberGlass	X
7	R10-ROLFA-TE	1/25/10	1430	FW	5	1-G AmberGlass	X
8	R10-MRDRR-TE	1/25/10	1530	FW	5	1-G AmberGlass	X
9	R10-OCARR-TE	—	—	FW	5	1-G AmberGlass	X
10	R10-OCAHW-TE	—	—	FW	5	1-G AmberGlass	X
11	R10-DMCDP-TE	—	—	FW	5	1-G AmberGlass	X
12	R10-SJRPP-TE	—	—	FW	5	1-G AmberGlass	X
13							

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:
temp: 0.1
CSR temp: 4.0
cooler temp: 00.3

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY

Signature:	[signature]	**Signature:**	
Print:	John Hansen	**Print:**	
Organization:	PER	**Organization:**	
DATE: 1/25/10	**TIME:** 1700	**DATE:**	**TIME:**

RECEIVED BY

Signature:	[signature]	**Signature:**	
Print:	H. Carter	**Print:**	
Organization:	PER	**Organization:**	
DATE: 1/26/10	**TIME:** 0830	**DATE:**	**TIME:**

***MATRIX CODES:** (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Hansen
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Acute *Ceriо*, Acute FHM, Chronic *Selenastrum*
1	R10-VH132-TE	—	—	FW	5	1-G AmberGlass	X
2	R10-HCARR-TE	—	—	FW	5	1-G AmberGlass	X
3	R10-ICARR-TE	—	—	FW	5	1-G AmberGlass	X
4	R10-WWNCR-TE	—	—	FW	5	1-G AmberGlass	X
5	R10-DPCCR-TE	—	—	FW	5	1-G AmberGlass	X
6	R10-DPCHW-TE	—	—	FW	5	1-G AmberGlass	X
7	R10-ROLFA-TE	—	—	FW	5	1-G AmberGlass	X
8	R10-MRDRR-TE	—	—	FW	5	1-G AmberGlass	X
9	R10-OCARR-TE	1/26/10	0830	FW	5	1-G AmberGlass	X
10	R10-OCAHW-TE	1/26/10	0900	FW	5	1-G AmberGlass	X
11	R10-DMCDP-TE	1/26/10	1000	FW	5	1-G AmberGlass	X
12	R10-SJRPP-TE	1/26/10	1100	FW	5	1-G AmberGlass	X
13							

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

CSR 4.0°C
Cooler temp 0.0°C

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY			
Signature:		**Signature:**	
Print:	John Hansen	**Print:**	Huy Vuong
Organization:	PER	**Organization:**	PER
DATE: 1/26/10	**TIME:** 1400	**DATE:** 1/26/10	**TIME:** 1700

RECEIVED BY			
Signature:		**Signature:**	
Print:	~~PER~~ HV Huy Vuong	**Print:**	Kristin Worrell
Organization:	PER	**Organization:**	PER
DATE: 1/26/10	**TIME:** 1645	**DATE:** 1/27/10	**TIME:** 0850

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

1C0205D5

TEMP. (°C): 0.9
SEALED: YES
INTACT: YES

Pacific EcoRisk
ENVIRONMENTAL CONSULTING & TESTING
2250 Cordelia Road, Fairfield, CA 94534
(707) 270-7760 FAX (707) 207-7916

PER CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific EcoRisk
Client Address:	2250 Cordelia Road Fairfield, CA 94534
Sampled By:	John Relvas
Phone:	(707) 270-7760
FAX:	(707) 207-7916
Project Manager:	Stephen Clark
Project Name:	Westside San Joaquin River Watershed Coalition
PO Number:	9426

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	Chronic *Selenastrum*	Acute *Ceriodaphnia*
1	64-LBCHW-TE	9-Feb-10	10:00	FW	3	1-G AmberGlass		X
2	64-SJRLA-TE	9-Feb-10	11:30	FW	5	1-G AmberGlass	X	X
3	64-SSALA-TE	9-Feb-10	12:15	FW	5	1-G AmberGlass	X	X
4	64-SSALA-TD	9-Feb-10	12:15	FW	5	1-G AmberGlass	X	X
5	64-MSUSL-TE	9-Feb-10	8:50	FW	3	1-G AmberGlass		X
6								
7								
8								
9								
10								

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	

Comments:

Field Duplicate = 64-SSALA-TD

Temp CSR #1 4°
cooler 0.0

Additional volume of toxicity samples is for TIEs and dilution series testing should the triggers for these follow-up measures be met.

RELIQUINSHED BY

Signature:		Signature:	
Print:	John Relvas Jr.	Print:	Huy Vuong
Organization:	CCTO	Organization:	PER
DATE: 2/9/10	TIME: 17:00	DATE: 2/10/10	TIME: 0700

RECEIVED BY

Signature:		Signature:	
Print:	Huy Vuong	Print:	GLEN IMRIE
Organization:	PER	Organization:	CALTEST
DATE: 2/9/10	TIME: 1700	DATE: 2/10/10	TIME: 0630

*MATRIX CODES: (SED = Sediment); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Rec'd 0701 2/10/10

Appendix A

Sediment and Aquatic Toxicity Results by Event

SJVDA Event 59 Sediment Testing Summary

Site ID	Sample Date	Test Start Date	Species	% Survival	Toxicity (Y/N)	Notes
59-HA-Control-01	N/A	9/19/2009	*Hyalella azteca*	95	N/A	
59-HCARR-STE	9/14/2009	9/19/2009	*Hyalella azteca*	10	**Y**	
59-ICARR-STE	9/14/2009	9/19/2009	*Hyalella azteca*	0	**Y**	
59-WWNCR-STE	9/14/2009	9/19/2009	*Hyalella azteca*	92.5	N	
59-DPCCR-STE	9/14/2009	9/19/2009	*Hyalella azteca*	13.8	**Y**	
59-ROLFA-STE	9/14/2009	9/19/2009	*Hyalella azteca*	92.5	N	
59-HA-Control-02	N/A	9/20/2009	*Hyalella azteca*	88.8	N/A	
59-OCARR-STE	9/14/2009	9/20/2009	*Hyalella azteca*	87.5	N	
59-OCAHW-STE	9/14/2009	9/20/2009	*Hyalella azteca*	80	N	
59-NWHFR-STE	9/14/2009	9/20/2009	*Hyalella azteca*	98.8	N	
59-LBCCC-STE	9/14/2009	9/20/2009	*Hyalella azteca*	96.2	N	
59-LBCCC-STD	9/14/2009	9/20/2009	*Hyalella azteca*	95	N	RPD = 1.26%

SJVDA Event 59 Toxicity Testing Summary (samples collected 9/15/2009)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
59-SC-LWControl-01	N/A	9/16/2009	*Selenastrum capricornutum*		1.83	N/A	
59-SJRLA-TE	9/15/2009	9/16/2009	*Selenastrum capricornutum*		2.39	N	
59-SSALA-TE	9/15/2009	9/16/2009	*Selenastrum capricornutum*		4.19	N	
59-SSALA-TD	9/15/2009	9/16/2009	*Selenastrum capricornutum*		3.68	N	RPD = 13%
59-CD-LWControl-01	N/A	9/16/2009	*Ceriodaphnia dubia*	100		N/A	
59-LBCHW-TE	9/15/2009	9/16/2009	*Ceriodaphnia dubia*	75		N	
59-SJRLA-TE	9/15/2009	9/16/2009	*Ceriodaphnia dubia*	100		N	
59-SSALA-TE	9/15/2009	9/16/2009	*Ceriodaphnia dubia*	95		N	
59-SSALA-TD	9/15/2009	9/16/2009	*Ceriodaphnia dubia*	95		N	RPD = 0%
59-MSUSL-TE	9/15/2009	9/16/2009	*Ceriodaphnia dubia*	95		N	

SJVDA Event 60 Toxicity Testing Summary (samples collected 10/13/2009)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
60-SC-LWControl-01	N/A	10/14/2009	*Selenastrum capricornutum*		2.46	N/A	
60-SJRLA-TE	10/13/2009	10/14/2009	*Selenastrum capricornutum*		4.71	N	
60-SSALA-TE	10/13/2009	10/14/2009	*Selenastrum capricornutum*		4.98	N	
60-SSALA-TD	10/13/2009	10/14/2009	*Selenastrum capricornutum*		5.04	N	RPD = 1.2%
60-CD-LWControl-01	N/A	10/14/2009	*Ceriodaphnia dubia*	90		N/A	
60-LBCHW-TE	10/13/2009	10/14/2009	*Ceriodaphnia dubia*	80		N	
60-SJRLA-TE	10/13/2009	10/14/2009	*Ceriodaphnia dubia*	85		N	
60-SSALA-TE	10/13/2009	10/14/2009	*Ceriodaphnia dubia*	75		N	
60-SSALA-TD	10/13/2009	10/14/2009	*Ceriodaphnia dubia*	95		N	RPD = 23.5%
60-MSUSL-TE	10/13/2009	10/14/2009	*Ceriodaphnia dubia*	95		N	

SJVDA Event R8 Toxicity Testing Summary (samples collected 10/14/09 - 10/15/09)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R8-SC-LWControl-01	N/A	10/15/2009	*Selenastrum capricornutum*		2.06	N/A	
R8-HCARR-TE	10/14/2009	10/15/2009	*Selenastrum capricornutum*		2.71	N	
R8-ICARR-TE	10/14/2009	10/15/2009	*Selenastrum capricornutum*		2.85	N	
R8-ICARR-TD	10/14/2009	10/15/2009	*Selenastrum capricornutum*		2.62	N	RPD = 8.4%
R8-ROLFA-TE	10/14/2009	10/15/2009	*Selenastrum capricornutum*		1.86	N	
R8-MRDRR-TE	10/14/2009	10/15/2009	*Selenastrum capricornutum*		3.82	N	
R8-SJRPP-TE	10/14/2009	10/15/2009	*Selenastrum capricornutum*		4.34	N	
R8-SC-LWControl-02	N/A	10/16/2009	*Selenastrum capricornutum*		2.48	N/A	
R8-OCARR-TE	10/15/2009	10/16/2009	*Selenastrum capricornutum*		1.76	N	test being repeated - clumpy debri and motile organisms in sample (filter malfunction)
R8-OCAHW-TE	10/15/2009	10/16/2009	*Selenastrum capricornutum*		3.88	N	
R8-DMCDP-TE	10/15/2009	10/16/2009	*Selenastrum capricornutum*		3.57	N	
R8-DPCCR-TE	10/15/2009	10/16/2009	*Selenastrum capricornutum*		1.77	N	test being repeated - clumpy debri and motile organisms in sample (filter malfunction)
R8-SC-LWControl-03	N/A	10/21/2009	*Selenastrum capricornutum*		2.38	N/A	Re-tests due to faulty filters in original tests
R8-OCARR-TE	10/15/2009	10/21/2009	*Selenastrum capricornutum*		3.94	N	
R8-DPCCR-TE	10/15/2009	10/21/2009	*Selenastrum capricornutum*		3.94	N	

SJVDA Event R8 Toxicity Testing Summary (samples collected 10/14/09 - 10/15/09)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R8-CD-LWControl-01	N/A	10/15/2009	*Ceriodaphnia dubia*	100		N/A	
R8-HCARR-TE	10/14/2009	10/15/2009	*Ceriodaphnia dubia*	**0**		**Y**	TIE and dilution series initiated
R8-ICARR-TE	10/14/2009	10/15/2009	*Ceriodaphnia dubia*	95		N	
R8-ICARR-TD	10/14/2009	10/15/2009	*Ceriodaphnia dubia*	95		N	RPD = 0%
R8-ROLFA-TE	10/14/2009	10/15/2009	*Ceriodaphnia dubia*	**40**		**Y**	TIE initiated
R8-MRDRR-TE	10/14/2009	10/15/2009	*Ceriodaphnia dubia*	100		N	
R8-SJRPP-TE	10/14/2009	10/15/2009	*Ceriodaphnia dubia*	100		N	
R8-CD-LWControl-02	N/A	10/16/2009	*Ceriodaphnia dubia*	100		N/A	
R8-OCARR-TE	10/15/2009	10/16/2009	*Ceriodaphnia dubia*	100		N	
R8-OCAHW-TE	10/15/2009	10/16/2009	*Ceriodaphnia dubia*	100		N	
R8-DMCDP-TE	10/15/2009	10/16/2009	*Ceriodaphnia dubia*	**15**		**Y**	TIE initiated
R8-DPCCR-TE	10/15/2009	10/16/2009	*Ceriodaphnia dubia*	100		N	
R8-PP-LWControl-01	N/A	10/15/2009	*Pimephales promelas*	100		N/A	
R8-HCARR-TE	10/14/2009	10/15/2009	*Pimephales promelas*	100		N	
R8-ICARR-TE	10/14/2009	10/15/2009	*Pimephales promelas*	100		N	
R8-ICARR-TD	10/14/2009	10/15/2009	*Pimephales promelas*	100		N	RPD = 0%
R8-ROLFA-TE	10/14/2009	10/15/2009	*Pimephales promelas*	100		N	
R8-MRDRR-TE	10/14/2009	10/15/2009	*Pimephales promelas*	95		N	
R8-SJRPP-TE	10/14/2009	10/15/2009	*Pimephales promelas*	97.5		N	
R8-PP-LWControl-02	N/A	10/16/2009	*Pimephales promelas*	100		N/A	
R8-OCARR-TE	10/15/2009	10/16/2009	*Pimephales promelas*	100		N	
R8-OCAHW-TE	10/15/2009	10/16/2009	*Pimephales promelas*	100		N	
R8-DMCDP-TE	10/15/2009	10/16/2009	*Pimephales promelas*	97.5		N	
R8-DPCCR-TE	10/15/2009	10/16/2009	*Pimephales promelas*	100		N	

SJVDA Event R8 Ceriodaphnia Dilution Series Test Summary

Sample/Treatment ID	Species	Concentration	% Survival	Toxicity (Y/N)	Notes
R8-CD-LWControl-03	*Ceriodaphnia dubia*	Control	100	N/A	Toxicity was persistent in this sample. LC50 = 6.1, resulting in 16.4 TUa (acute toxic units).
R8-HCARR-TE	*Ceriodaphnia dubia*	6.25%	**50**	**Y**	
R8-HCARR-TE	*Ceriodaphnia dubia*	12.5%	**25**	**Y**	
R8-HCARR-TE	Ceriodaphnia dubia	25%	**10**	**Y**	
R8-HCARR-TE	*Ceriodaphnia dubia*	50%	**5**	**Y**	
R8-HCARR-TE	*Ceriodaphnia dubia*	100%	**0**	**Y**	

* - Significantly less than the Control treatment response at $p < 0.05$

SJVDA Event R8 Acute Ceriodaphnia Targeted Phase I Toxicity Identification Evaluation

Sample/Treatment ID	Treatment	Species	% Survival (96 h)	Toxicity (Y/N)	Notes
R8-CD-LWControl-04	Lab water control	*Ceriodaphnia dubia*	100	N/A	There was no blank interference present in the TIE treatments. The toxicity was persistent in the ambient water sample. Toxicity removal was observed in only the C8 treatment. Centrifugation delayed the timing to the onset of toxicity, but there was complete mortality in this treatment by the end of the test. These TIE results suggest that a dissolved non-polar organic caused the toxicity, and that a particulate associated contaminant may have been partially responsible for the toxicity.
R8-CD-TIE-Blank-01	STS (10 mg/L) blank	*Ceriodaphnia dubia*	95	N	
R8-CD-TIE-Blank-02	STS (25 mg/L) blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-03	EDTA (3 mg/L) blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-04	EDTA (8 mg/L) blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-05	Centrifugation blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-06	Centrifugation + C8SPE blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-07	PBO blank	*Ceriodaphnia dubia*	95	N	
R8-HCARR-TE	100% Baseline sample	*Ceriodaphnia dubia*	0	Y	
R8-HCARR-TE	STS (10 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R8-HCARR-TE	STS (25 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R8-HCARR-TE	EDTA (3 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R8-HCARR-TE	EDTA (8 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R8-HCARR-TE	100% Centrifuged sample	*Ceriodaphnia dubia*	0	Y	
R8-HCARR-TE	100% Centrifuged sample + C8SI	*Ceriodaphnia dubia*	**90**	**N**	
R8-HCARR-TE	100% Sample + PBO	*Ceriodaphnia dubia*	0	Y	

SJVDA Event R8 Acute Ceriodaphnia Targeted Phase I Toxicity Identification Evaluation for Sample R8-

Sample/Treatment ID	Treatment	Species	% Survival (96 h)	Toxicity (Y/N)	Notes
R8-CD-LWControl-05	Lab water control	*Ceriodaphnia dubia*	90	N/A	There was no blank interference present in the TIE treatments. The toxicity was persistent in the ambient water sample. Toxicity removal was observed in the centrifugation and C8 treatments. As centrifugation is a pre-treatment step for the C8 treatment, these results suggest that a particulate associated contaminant was responsible for the toxicity.
R8-CD-TIE-Blank-01	STS (10 mg/L) blank	*Ceriodaphnia dubia*	95	N	
R8-CD-TIE-Blank-02	STS (25 mg/L) blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-03	EDTA (3 mg/L) blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-04	EDTA (8 mg/L) blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-05	Centrifugation blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-06	Centrifugation + C8SPE blank	*Ceriodaphnia dubia*	95	N	
R8-CD-TIE-Blank-07	PBO blank	*Ceriodaphnia dubia*	100	N	
R8-ROLFA-TE	100% Baseline sample	*Ceriodaphnia dubia*	70	Y	
R8-ROLFA-TE	STS (10 mg/L) sample	*Ceriodaphnia dubia*	50	Y	
R8-ROLFA-TE	STS (25 mg/L) sample	*Ceriodaphnia dubia*	35	Y	
R8-ROLFA-TE	EDTA (3 mg/L) sample	*Ceriodaphnia dubia*	55	Y	
R8-ROLFA-TE	EDTA (8 mg/L) sample	*Ceriodaphnia dubia*	40	Y	
R8-ROLFA-TE	100% Centrifuged sample	*Ceriodaphnia dubia*	**95**	**N**	
R8-ROLFA-TE	100% Centrifuged sample + C8SPE	*Ceriodaphnia dubia*	**100**	**N**	
R8-ROLFA-TE	100% Sample + PBO	*Ceriodaphnia dubia*	50	Y	

SJVDA Event R8 Acute Ceriodaphnia Targeted Phase I Toxicity Identification Evaluation for

Sample/Treatment ID	Treatment	Species	% Survival (96 h)	Toxicity (Y/N)	Notes
R8-CD-LWControl-06	Lab water control	*Ceriodaphnia dubia*	100	N/A	There was blank interference present only in the 3 mg/L EDTA treatment. The toxicity was persistent in the ambient water sample. Toxicity removal was observed in the centrifugation, C8 treatment, and 10 mg/L STS treatment. As centrifugation is a pre-treatment step for the C8 treatment, these results suggest that a particulate associated contaminant was partially responsible for the toxicity, and that either an oxidant (e.g., chlorine - unlikely) or a cationic metal was also partially responsible.
R8-CD-TIE-Blank-01	STS (10 mg/L) blank	*Ceriodaphnia dubia*	95	N	
R8-CD-TIE-Blank-02	STS (25 mg/L) blank	*Ceriodaphnia dubia*	90	N	
R8-CD-TIE-Blank-03	EDTA (3 mg/L) blank	*Ceriodaphnia dubia*	65	N	
R8-CD-TIE-Blank-04	EDTA (8 mg/L) blank	*Ceriodaphnia dubia*	100	N	
R8-CD-TIE-Blank-05	Centrifugation blank	*Ceriodaphnia dubia*	75	N	
R8-CD-TIE-Blank-06	Centrifugation + C8SPE blank	*Ceriodaphnia dubia*	90	N	
R8-CD-TIE-Blank-07	PBO blank	*Ceriodaphnia dubia*	85	N	
R8-DMCDP-TE	100% Baseline sample	*Ceriodaphnia dubia*	0	Y	
R8-DMCDP-TE	STS (10 mg/L) sample	*Ceriodaphnia dubia*	**80**	**N**	
R8-DMCDP-TE	STS (25 mg/L) sample	*Ceriodaphnia dubia*	25	Y	
R8-DMCDP-TE	EDTA (3 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R8-DMCDP-TE	EDTA (8 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R8-DMCDP-TE	100% Centrifuged sample	*Ceriodaphnia dubia*	**80**	**N**	
R8-DMCDP-TE	100% Centrifuged sample + C8SP	*Ceriodaphnia dubia*	**90**	**N**	
R8-DMCDP-TE	100% Sample + PBO	*Ceriodaphnia dubia*	10	Y	

SJVDA Event 61 Toxicity Testing Summary (samples collected 11/10/2009)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
61-SC-LWControl-01	N/A	11/11/2009	*Selenastrum capricornutum*		1.99	N/A	
61-SJRLA-TE	11/10/2009	11/11/2009	*Selenastrum capricornutum*		4.06	N	
61-SSALA-TE	11/10/2009	11/11/2009	*Selenastrum capricornutum*		4.29	N	
61-SSALA-TD	11/10/2009	11/11/2009	*Selenastrum capricornutum*		4.62	N	RPD = 7.4%
61-CD-LWControl-01	N/A	11/11/2009	*Ceriodaphnia dubia*	93.3		N/A	
61-LBCHW-TE	11/10/2009	11/11/2009	*Ceriodaphnia dubia*	90		N	
61-SJRLA-TE	11/10/2009	11/11/2009	*Ceriodaphnia dubia*	85		N	
61-SSALA-TE	11/10/2009	11/11/2009	*Ceriodaphnia dubia*	85		N	
61-SSALA-TD	11/10/2009	11/11/2009	*Ceriodaphnia dubia*	**65**		**Y**	RPD = 26.7%
61-MSUSL-TE	11/10/2009	11/11/2009	*Ceriodaphnia dubia*	65		N	Not toxic due to slightly higher inter-replicate variability.

SJVDA Event R9 Toxicity Testing Summary (samples collected 12/8/2009-12/9/09)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R9-SC-LWControl-01	N/A	12/9/2009	*Selenastrum capricornutum*		1.74	N/A	
R9-LBCCC-TE	12/8/2009	12/9/2009	*Selenastrum capricornutum*		3.39	N	
R9-LBCHW-TE	12/8/2009	12/9/2009	*Selenastrum capricornutum*		2.49	N	
R9-SJRLA-TE	12/8/2009	12/9/2009	*Selenastrum capricornutum*		3.94	N	
R9-SSALA-TE	12/8/2009	12/9/2009	*Selenastrum capricornutum*		3.72	N	
R9-SSALA-TD	12/8/2009	12/9/2009	*Selenastrum capricornutum*		4.02	N	RPD = 7.8%
R9-SC-LWControl-02	N/A	12/10/2009	*Selenastrum capricornutum*		1.60	N/A	
R9-NWHFR-TE	12/9/2009	12/10/2009	*Selenastrum capricornutum*		3.43	N	
R9-TSAER-TE	12/9/2009	12/10/2009	*Selenastrum capricornutum*		4.41	N	
R9-MSUSL-TE	12/9/2009	12/10/2009	*Selenastrum capricornutum*		4.07	N	
R9-SSASD-TE	12/9/2009	12/10/2009	*Selenastrum capricornutum*		3.17	N	
R9-PSAIA-TE	12/9/2009	12/10/2009	*Selenastrum capricornutum*		3.38	N	
R9-CD-LWControl-01	N/A	12/9/2009	*Ceriodaphnia dubia*	95		N/A	
R9-LBCCC-TE	12/8/2009	12/9/2009	*Ceriodaphnia dubia*	100		N	
R9-LBCHW-TE	12/8/2009	12/9/2009	*Ceriodaphnia dubia*	100		N	
R9-SJRLA-TE	12/8/2009	12/9/2009	*Ceriodaphnia dubia*	100		N	
R9-SSALA-TE	12/8/2009	12/9/2009	*Ceriodaphnia dubia*	100		N	
R9-SSALA-TD	12/8/2009	12/9/2009	*Ceriodaphnia dubia*	100		N	RPD = 0%
R9-CD-LWControl-02	N/A	12/10/2009	*Ceriodaphnia dubia*	95		N/A	
R9-NWHFR-TE	12/9/2009	12/10/2009	*Ceriodaphnia dubia*	95		N	
R9-TSAER-TE	12/9/2009	12/10/2009	*Ceriodaphnia dubia*	100		N	
R9-MSUSL-TE	12/9/2009	12/10/2009	*Ceriodaphnia dubia*	100		N	
R9-SSASD-TE	12/9/2009	12/10/2009	*Ceriodaphnia dubia*	95		N	
R9-PSAIA-TE	12/9/2009	12/10/2009	*Ceriodaphnia dubia*	100		N	

SJVDA Event R9 Toxicity Testing Summary (samples collected 12/8/2009-12/9/09)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R9-PP-LWControl-01	N/A	12/9/2009	*Pimephales promelas*	100		N/A	
R9-LBCCC-TE	12/8/2009	12/9/2009	*Pimephales promelas*	100		N	
R9-LBCHW-TE	12/8/2009	12/9/2009	*Pimephales promelas*	100		N	
R9-SJRLA-TE	12/8/2009	12/9/2009	*Pimephales promelas*	100		N	
R9-SSALA-TE	12/8/2009	12/9/2009	*Pimephales promelas*	97.5		N	
R9-SSALA-TD	12/8/2009	12/9/2009	*Pimephales promelas*	100		N	RPD = 2.5%
R9-PP-LWControl-02	N/A	12/9/2005	*Pimephales promelas*	100		N/A	
R9-NWHFR-TE	12/9/2009	12/10/2009	*Pimephales promelas*	100		N	
R9-TSAER-TE	12/9/2009	12/10/2009	*Pimephales promelas*	100		N	
R9-MSUSL-TE	12/9/2009	12/10/2009	*Pimephales promelas*	100		N	
R9-SSASD-TE	12/9/2009	12/10/2009	*Pimephales promelas*	100		N	
R9-PSAIA-TE	12/9/2009	12/10/2009	*Pimephales promelas*	100		N	

SJVDA Event 63 Toxicity Testing Summary (samples collected 1/12/2010)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
63-SC-LWControl-01	N/A	1/13/2010	*Selenastrum capricornutum*		0.450	N/A	
63-SJRLA-TE	1/12/2010	1/13/2010	*Selenastrum capricornutum*		1.01	N	
63-SSALA-TE	1/12/2010	1/13/2010	*Selenastrum capricornutum*		3.71	N	
63-SSALA-TD	1/12/2010	1/13/2010	*Selenastrum capricornutum*		3.76	N	RPD = 1.3%
63-CD-LWControl-01	N/A	1/13/2010	*Ceriodaphnia dubia*	95		N/A	
63-LBCHW-TE	1/12/2010	1/13/2010	*Ceriodaphnia dubia*	**18.3**		**Y**	TIE triggered
63-SJRLA-TE	1/12/2010	1/13/2010	*Ceriodaphnia dubia*	100		N	
63-SSALA-TE	1/12/2010	1/13/2010	*Ceriodaphnia dubia*	100		N	
63-SSALA-TD	1/12/2010	1/13/2010	*Ceriodaphnia dubia*	**65**		**Y**	RPD = 42.4%
63-MSUSL-TE	1/12/2010	1/13/2010	*Ceriodaphnia dubia*	95		N	

SJVDA Event 63 Acute *Ceriodaphnia* Targeted Phase I Toxicity Identification Evaluation for Sample 63-LBCHW-TE

Sample/Treatment ID	Treatment	Species	% Survival (96 h)	Toxicity (Y/N)	Notes
63-CD-LWControl-02	Lab water control	*Ceriodaphnia dubia*	85	N/A	There were no blank interference was present in the TIE treatments. The toxicity was persistent in the ambient water sample. There was removal or reduction of toxicity observed in all treatments. These TIE results suggest that a combination of metals, particulate associated toxicants, and/ or metabolically activated substances (e.g., organophosphate pesticides) were responsible for the toxicity.
63-CD-TIE-Blank-01	Centrifugation blank	*Ceriodaphnia dubia*	70	N	
63-CD-TIE-Blank-02	Centrifugation + C8SPE blank	*Ceriodaphnia dubia*	75	N	
63-CD-TIE-Blank-03	PBO blank	*Ceriodaphnia dubia*	95	N	
63-LBCHW-TE	100% Baseline sample	*Ceriodaphnia dubia*	25	Y	
63-LBCHW-TE	100% Centrifuged sample	*Ceriodaphnia dubia*	80	N	
63-LBCHW-TE	100% Centrifuged sample + C8SPE	*Ceriodaphnia dubia*	65	N	
63-LBCHW-TE	STS (10 mg/L) sample	*Ceriodaphnia dubia*	60	N	
63-LBCHW-TE	STS (25 mg/L) sample	*Ceriodaphnia dubia*	65	N	
63-LBCHW-TE	EDTA (3 mg/L) sample	*Ceriodaphnia dubia*	50	N	
63-LBCHW-TE	EDTA (8 mg/L) sample	*Ceriodaphnia dubia*	60	N	
63-LBCHW-TE	100% Sample + PBO	*Ceriodaphnia dubia*	90	N	

SJVDA Event R10 Toxicity Testing Summary (samples collected 1/21/10, 1/25/10, and 1/26/10)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R10-SC-LWControl-01	N/A	1/22/2010	*Selenastrum capricornutum*		0.86	N/A	
R10-LBCCC-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		4.91	N	
R10-NWHFR-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		3.46	N	
R10-LBCHW-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		4.09	N	
R10-TSAER-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		2.17	N	
R10-SJRLA-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		3.12	N	
R10-SC-LWControl-02	N/A	1/22/2010	*Selenastrum capricornutum*		0.89	N/A	
R10-SSALA-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		3.92	N	
R10-MSUSL-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		3.34	N	
R10-SSASD-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		1.85	N	
R10-PSAIA-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		**0.00**	**Y**	TIE and dilution series run.
R10-SJRSD-TE	1/21/2010	1/22/2010	*Selenastrum capricornutum*		2.43	N	
R10-SSALA-TD	1/21/2010	1/22/2010	*Selenastrum capricornutum*		4.12	N	RPD = 5.0%
R10-SC-LWControl-03	N/A	1/26/2010	*Selenastrum capricornutum*		0.85	N/A	
R10-VH132-TE	1/25/2010	1/26/2010	*Selenastrum capricornutum*		2.82	N	
R10-HCARR-TE	1/25/2010	1/26/2010	*Selenastrum capricornutum*		2.46	N	
R10-ICARR-TE	1/25/2010	1/26/2010	*Selenastrum capricornutum*		4.86	N	
R10-DPCCR-TE	1/25/2010	1/26/2010	*Selenastrum capricornutum*		4.71	N	
R10-SC-LWControl-04	N/A	1/26/2010	*Selenastrum capricornutum*		0.94	N/A	
R10-DPCHW-TE	1/25/2010	1/26/2010	*Selenastrum capricornutum*		3.10	N	
R10-ROLFA-TE	1/25/2010	1/26/2010	*Selenastrum capricornutum*		3.48	N	
R10-MRDRR-TE	1/25/2010	1/26/2010	*Selenastrum capricornutum*		1.12	N	
R10-SC-LWControl-05	N/A	1/27/2010	*Selenastrum capricornutum*		1.74	N/A	
R10-OCARR-TE	1/26/2010	1/27/2010	*Selenastrum capricornutum*		4.29	N	
R10-OCAHW-TE	1/26/2010	1/27/2010	*Selenastrum capricornutum*		4.54	N	
R10-DMCDP-TE	1/26/2010	1/27/2010	*Selenastrum capricornutum*		3.56	N	
R10-SJRPP-TE	1/26/2010	1/27/2010	*Selenastrum capricornutum*		3.73	N/A	

SJVDA Event R10 Toxicity Testing Summary (samples collected 1/21/10, 1/25/10, and 1/26/10)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R10-CD-LWControl-01	N/A	1/22/2010	*Ceriodaphnia dubia*	100		N/A	
R10-LBCCC-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	95		N	
R10-NWHFR-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	95		N	
R10-LBCHW-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	100		N	
R10-TSAER-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	100		N	
R10-SJRLA-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	100		N	
R10-CD-LWControl-02	N/A	1/22/2010	*Ceriodaphnia dubia*	100		N/A	
R10-SSALA-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	100		N	
R10-MSUSL-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	100		N	
R10-SSASD-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	95		N	
R10-PSAIA-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	95		N	
R10-SJRSD-TE	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	**50**		**Y**	TIE run.
R10-SSALA-TD	1/21/2010	1/22/2010	*Ceriodaphnia dubia*	100		N	RPD = 0%
R10-CD-LWControl-03	N/A	1/26/2010	*Ceriodaphnia dubia*	100		N/A	
R10-VH132-TE	1/25/2010	1/26/2010	*Ceriodaphnia dubia*	**0**		**Y**	TIE and dilution series run.
R10-HCARR-TE	1/25/2010	1/26/2010	*Ceriodaphnia dubia*	**0**		**Y**	TIE and dilution series run.
R10-ICARR-TE	1/25/2010	1/26/2010	*Ceriodaphnia dubia*	100		N	
R10-DPCCR-TE	1/25/2010	1/26/2010	*Ceriodaphnia dubia*	95		N	
R10-CD-LWControl-04	N/A	1/26/2010	*Ceriodaphnia dubia*	95		N/A	
R10-DPCHW-TE	1/25/2010	1/26/2010	*Ceriodaphnia dubia*	100		N	
R10-ROLFA-TE	1/25/2010	1/26/2010	*Ceriodaphnia dubia*	95		N	
R10-MRDRR-TE	1/25/2010	1/26/2010	*Ceriodaphnia dubia*	95		N	
R10-CD-LWControl-05	N/A	1/27/2010	*Ceriodaphnia dubia*	95		N/A	
R10-OCARR-TE	1/26/2010	1/27/2010	*Ceriodaphnia dubia*	100		N	
R10-OCAHW-TE	1/26/2010	1/27/2010	*Ceriodaphnia dubia*	95		N	
R10-DMCDP-TE	1/26/2010	1/27/2010	*Ceriodaphnia dubia*	95		N	
R10-SJRPP-TE	1/26/2010	1/27/2010	*Ceriodaphnia dubia*	100		N	

SJVDA Event R10 Toxicity Testing Summary (samples collected 1/21/10, 1/25/10, and 1/26/10)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R10-PP-LWControl-01	N/A	1/22/2010	*Pimephales promelas*	95		N/A	
R10-LBCCC-TE	1/21/2010	1/22/2010	*Pimephales promelas*	100		N	
R10-NWHFR-TE	1/21/2010	1/22/2010	*Pimephales promelas*	100		N	
R10-LBCHW-TE	1/21/2010	1/22/2010	*Pimephales promelas*	95		N	
R10-TSAER-TE	1/21/2010	1/22/2010	*Pimephales promelas*	100		N	
R10-SJRLA-TE	1/21/2010	1/22/2010	*Pimephales promelas*	90		N	
R10-PP-LWControl-02	N/A	1/22/2010	*Pimephales promelas*	100		N/A	
R10-SSALA-TE	1/21/2010	1/22/2010	*Pimephales promelas*	95		N	
R10-MSUSL-TE	1/21/2010	1/22/2010	*Pimephales promelas*	100		N	
R10-SSASD-TE	1/21/2010	1/22/2010	*Pimephales promelas*	100		N	
R10-PSAIA-TE	1/21/2010	1/22/2010	*Pimephales promelas*	100		N	
R10-SJRSD-TE	1/21/2010	1/22/2010	*Pimephales promelas*	100		N	
R10-SSALA-TD	1/21/2010	1/22/2010	*Pimephales promelas*	100		N	RPD = 5.1%
R10-PP-LWControl-03	N/A	1/26/2010	*Pimephales promelas*	100		N/A	
R10-VH132-TE	1/25/2010	1/26/2010	*Pimephales promelas*	100		N	
R10-HCARR-TE	1/25/2010	1/26/2010	*Pimephales promelas*	97.5		N	
R10-ICARR-TE	1/25/2010	1/26/2010	*Pimephales promelas*	97.5		N	
R10-PP-LWControl-04	N/A	1/26/2010	*Pimephales promelas*	100		N/A	
R10-DPCHW-TE	1/25/2010	1/26/2010	*Pimephales promelas*	100		N	
R10-ROLFA-TE	1/25/2010	1/26/2010	*Pimephales promelas*	95		N	
R10-MRDRR-TE	1/25/2010	1/26/2010	*Pimephales promelas*	100		N	
R10-DPCCR-TE	1/25/2010	1/26/2010	*Pimephales promelas*	100		N	
R10-PP-LWControl-05	N/A	1/27/2010	*Pimephales promelas*	100		N/A	
R10-OCARR-TE	1/26/2010	1/27/2010	*Pimephales promelas*	97.5		N	
R10-OCAHW-TE	1/26/2010	1/27/2010	*Pimephales promelas*	97.5		N	
R10-DMCDP-TE	1/26/2010	1/27/2010	*Pimephales promelas*	97.5		N	
R10-SJRPP-TE	1/26/2010	1/27/2010	*Pimephales promelas*	97.5		N	

SJVDA Event R10 Acute *Selenastrum* Targeted Phase I Toxicity Identification Evaluation for Sample R10-PSAIA-TE

Sample/Treatment ID	Treatment	Species	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R10-SC-LWControl-06	Lab water control	*Selenastrum capricornutum*	2.66	N/A	There was no blank interference present in the TIE treatments. The toxicity was persistent in the ambient water sample. Toxicity removal was observed in only the LC-WCX treatment. These TIE results suggest that a metal or metals caused the toxicity.
R10-SC-TIE-Blank-01	C18 SPE blank	*Selenastrum capricornutum*	2.30	N	
R10-SC-TIE-Blank-02	LC-WCX blank	*Selenastrum capricornutum*	2.40	N	
R10-PSAIA-TE	100% Baseline sample	*Selenastrum capricornutum*	**0.270**	**Y**	
R10-PSAIA-TE	C18 SPE sample	*Selenastrum capricornutum*	**0.126**	**Y**	
R10-PSAIA-TE	LC-WCX sample	*Selenastrum capricornutum*	3.61	N	

SJVDA Event R10 *Selenastrum* Dilution Series Test Summary

Sample/Treatment ID	Species	Concentration	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
R10-SC-LWControl-06	*Selenastrum capricornutum*	Control	2.66	N/A	Toxicity was persistent in this sample. LC50 = 19.4%, resulting in 5.14 TUa (acute toxic units).
R10-PSAIA-TE	*Selenastrum capricornutum*	**6.25%**	**2.27***	**Y**	
R10-PSAIA-TE	*Selenastrum capricornutum*	**12.5%**	**1.90***	**Y**	
R10-PSAIA-TE	*Selenastrum capricornutum*	**25%**	**0.999***	**Y**	
R10-PSAIA-TE	*Selenastrum capricornutum*	**50%**	**0.359***	**Y**	
R10-PSAIA-TE	*Selenastrum capricornutum*	**100%**	**0.270***	**Y**	

* - Significantly less than the Control treatment response at $p < 0.05$

SJVDA Event R10 Acute *Ceriodaphnia* Targeted Phase I Toxicity Identification Evaluation for

Sample/Treatment ID	Treatment	Species	% Survival (96 h)	Toxicity (Y/N)	Notes
R10-CD-LWControl-06	Lab water control	*Ceriodaphnia dubia*	100	N/A	There were no blank interference was present in the TIE treatments. The toxicity was not persistent in the ambient water sample. As a result, interpretation of the TIE results is not possible.
R10-CD-TIE-Blank-01	Centrifugation blank	*Ceriodaphnia dubia*	90	N	
R10-CD-TIE-Blank-02	Centrifugation + C8SPE blank	*Ceriodaphnia dubia*	100	N	
R10-CD-TIE-Blank-03	PBO blank	*Ceriodaphnia dubia*	100	N	
R10-SJRSD-TE	100% Baseline sample	*Ceriodaphnia dubia*	100	N	
R10-SJRSD-TE	100% Centrifuged sample	*Ceriodaphnia dubia*	100	N	
R10-SJRSD-TE	100% Centrifuged sample + C8SP	*Ceriodaphnia dubia*	100	N	
R10-SJRSD-TE	STS (10 mg/L) sample	*Ceriodaphnia dubia*	100	N	
R10-SJRSD-TE	STS (25 mg/L) sample	*Ceriodaphnia dubia*	100	N	
R10-SJRSD-TE	EDTA (3 mg/L) sample	*Ceriodaphnia dubia*	100	N	
R10-SJRSD-TE	EDTA (8 mg/L) sample	*Ceriodaphnia dubia*	95	N	
R10-SJRSD-TE	100% Sample + PBO	*Ceriodaphnia dubia*	100	N	

SJVDA Event R10 Acute *Ceriodaphnia* Targeted Phase I Toxicity Identification Evaluation

Sample/Treatment ID	Treatment	Species	% Survival (96 h)	Toxicity (Y/N)	Notes
R10-CD-LWControl-07	Lab water control	*Ceriodaphnia dubia*	95	N/A	There was no blank interference present in the TIE treatments. The toxicity was persistent in the ambient water sample. Toxicity removal was observed in the Centrifugation treatment, C8 treatment (which has Centrifugation as a precursor), and the PBO treatment. Both the 3mg/L and 8mg/L EDTA treatments delayed toxicity. As centrifugation is a pre-treatment step for the C8 treatment, these results suggest that a particulate associated contaminant was partially responsible for the toxicity, and a metabolically activated substance (e.g., OP pesticides) may have also been partially responsible for the toxicity.
R10-CD-TIE-Blank-04	Centrifugation blank	*Ceriodaphnia dubia*	85	N	
R10-CD-TIE-Blank-05	Centrifugation + C8SPE blank	*Ceriodaphnia dubia*	100	N	
R10-CD-TIE-Blank-06	PBO blank	*Ceriodaphnia dubia*	100	N	
R10-HCARR-TE	100% Baseline sample	*Ceriodaphnia dubia*	0	Y	
R10-HCARR-TE	100% Centrifuged sample	*Ceriodaphnia dubia*	**85**	**N**	
R10-HCARR-TE	100% Centrifuged sample + C8SP	*Ceriodaphnia dubia*	**90**	**N**	
R10-HCARR-TE	STS (10 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R10-HCARR-TE	STS (25 mg/L) sample	*Ceriodaphnia dubia*	20	Y	
R10-HCARR-TE	EDTA (3 mg/L) sample	*Ceriodaphnia dubia*	25	Y	
R10-HCARR-TE	EDTA (8 mg/L) sample	*Ceriodaphnia dubia*	30	Y	
R10-HCARR-TE	100% Sample + PBO	*Ceriodaphnia dubia*	**95**	**N**	

SJVDA Event R10 *Ceriodaphnia* Dilution Series Test Summary

Sample/Treatment ID	Species	Concentration	% Survival	Toxicity (Y/N)	Notes
R10-CD-LWControl-07	*Ceriodaphnia dubia*	Control	95	N/A	Toxicity was not persistent in this sample.
R10-HCARR-TE	*Ceriodaphnia dubia*	6.25%	100	N	
R10-HCARR-TE	*Ceriodaphnia dubia*	12.5%	70	N	
R10-HCARR-TE	Ceriodaphnia dubia	25%	70	N	
R10-HCARR-TE	*Ceriodaphnia dubia*	50%	85	N	
R10-HCARR-TE	*Ceriodaphnia dubia*	100%	60	N	

SJVDA Event R10 Acute *Ceriodaphnia* Targeted Phase I Toxicity Identification Evaluation for

Sample/Treatment ID	Treatment	Species	% Survival (96 h)	Toxicity (Y/N)	Notes
R10-CD-LWControl-07	Lab water control	*Ceriodaphnia dubia*	95	N/A	There was no blank interference present in the TIE treatments. The toxicity was persistent in the ambient water sample. Toxicity removal was observed in the C8 treatment and the PBO treatment. These TIE results suggest non-polar organics and a metabolically activated substance (e.g., OP pesticides) may have also been partially responsible for the toxicity.
R10-CD-TIE-Blank-04	Centrifugation blank	*Ceriodaphnia dubia*	85	N	
R10-CD-TIE-Blank-05	Centrifugation + C8SPE blank	*Ceriodaphnia dubia*	100	N	
R10-CD-TIE-Blank-06	PBO blank	*Ceriodaphnia dubia*	100	N	
R10-VH132-TE	100% Baseline sample	*Ceriodaphnia dubia*	0	Y	
R10-VH132-TE	100% Centrifuged sample	*Ceriodaphnia dubia*	0	Y	
R10-VH132-TE	100% Centrifuged sample + C8SPE	*Ceriodaphnia dubia*	**95**	**N**	
R10-VH132-TE	STS (10 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R10-VH132-TE	STS (25 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R10-VH132-TE	EDTA (3 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R10-VH132-TE	EDTA (8 mg/L) sample	*Ceriodaphnia dubia*	0	Y	
R10-VH132-TE	100% Sample + PBO	*Ceriodaphnia dubia*	**95**	**N**	

SJVDA Event R10 *Ceriodaphnia* Dilution Series Test Summary

Sample/Treatment ID	Species	Concentration	% Survival	Toxicity (Y/N)	Notes
R10-CD-LWControl-07	*Ceriodaphnia dubia*	Control	95	N/A	Toxicity was persistent in this sample. LC50 = 67.9%, resulting in 1.47 TUa (acute toxic units).
R10-VH132-TE	*Ceriodaphnia dubia*	6.25%	80	N	
R10-VH132-TE	*Ceriodaphnia dubia*	12.5%	75	N	
R10-VH132-TE	Ceriodaphnia dubia	25%	90	N	
R10-VH132-TE	*Ceriodaphnia dubia*	50%	95	N	
R10-VH132-TE	*Ceriodaphnia dubia*	**100%**	**0***	**Y**	

* - Significantly less than the Control treatment response at $p < 0.05$

SJVDA Event 64 Toxicity Testing Summary (samples collected 2/9/2010)

Site ID	Sample Date	Test Start Date	Species	% Survival	Cell Growth (cells/mL x 10^6)	Toxicity (Y/N)	Notes
64-SC-LWControl-01	N/A	2/10/2010	*Selenastrum capricornutum*		1.03	N/A	
64-SJRLA-TE	2/9/2010	2/10/2010	*Selenastrum capricornutum*		4.62	N	
64-SSALA-TE	2/9/2010	2/10/2010	*Selenastrum capricornutum*		4.84	N	
64-SSALA-TD	2/9/2010	2/10/2010	*Selenastrum capricornutum*		4.71	N	RPD = 2.7%
64-CD-LWControl-01	N/A	2/10/2010	*Ceriodaphnia dubia*	100		N/A	
64-LBCHW-TE	2/9/2010	2/10/2010	*Ceriodaphnia dubia*	100		N	
64-SJRLA-TE	2/9/2010	2/10/2010	*Ceriodaphnia dubia*	100		N	
64-SSALA-TE	2/9/2010	2/10/2010	*Ceriodaphnia dubia*	100		N	
64-SSALA-TD	2/9/2010	2/10/2010	*Ceriodaphnia dubia*	95		N	RPD = 5.1%
64-MSUSL-TE	2/9/2010	2/10/2010	*Ceriodaphnia dubia*	100		N	

Appendix A
Data Summary

Westside San Joaquin River Watershed Coalition

Field Data Summary by Site

Monitoring Site: **Blewett Drain at Highway 132**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	5.36	mg/l
E	EC	9/15/2009	778	µmhos/cm
E	Est Depth	9/15/2009	1	ft
E	Flow	9/15/2009	6.25	cfs
E	pH	9/15/2009	8.4	
E	Temp	9/15/2009	23.25	c

Monitoring Site: **Blewett Drain at Highway 132**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	Flow	11/10/2009	0	cfs

Monitoring Site: **Blewett Drain at Highway 132**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	Flow	12/8/2009	0	cfs

Monitoring Site: **Blewett Drain at Highway 132**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	6.03	mg/l
E	EC	2/9/2010	192	µmhos/cm
E	Est Depth	2/9/2010	0.2	ft
E	Flow	2/9/2010	0.1	cfs
E	pH	2/9/2010	6.41	
E	Temp	2/9/2010	13.67	c

Monitoring Site: **Del Puerto Creek at Hwy 33**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/25/2010	7.31	mg/l
E	EC	1/25/2010	531	µmhos/cm
E	Est Depth	1/25/2010	2	ft
E	Flow	1/25/2010	37.5	cfs
E	pH	1/25/2010	8.56	

E	Temp	1/25/2010	12.56	c

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/14/2009	5.83	mg/l
E	EC	9/14/2009	1010	µmhos/cm
E	Est Depth	9/14/2009	0.9	ft
E	Flow	9/14/2009	7.4	cfs
E	pH	9/14/2009	8.05	
E	Staff Gage	9/14/2009	0.9	ft
E	Temp	9/14/2009	21.53	c

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	6.09	mg/l
E	EC	9/15/2009	1159	µmhos/cm
E	Est Depth	9/15/2009	0.9	ft
E	Flow	9/15/2009	7.4	cfs
E	pH	9/15/2009	8.1	
E	Staff Gage	9/15/2009	0.9	ft
E	Temp	9/15/2009	21.42	c

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/15/2009	7.11	mg/l
E	EC	10/15/2009	421	µmhos/cm
E	pH	10/15/2009	8.56	
E	Temp	10/15/2009	18.4	c

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/25/2010	6.38	mg/l
E	EC	1/25/2010	453	µmhos/cm
E	Est Depth	1/25/2010	2	ft
E	Flow	1/25/2010	37.5	cfs

E	pH	1/25/2010	8.25	
E	Temp	1/25/2010	11.08	c

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	7.06	mg/l
E	EC	2/9/2010	661	µmhos/cm
E	Est Depth	2/9/2010	2	ft
E	Flow	2/9/2010	10	cfs
E	pH	2/9/2010	7.56	
E	Temp	2/9/2010	12.71	c

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	6.53	mg/l
E	EC	9/15/2009	498	µmhos/cm
E	pH	9/15/2009	8.1	
E	Temp	9/15/2009	24.84	c

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/15/2009	7.12	mg/l
E	EC	10/15/2009	460	µmhos/cm
E	Flow	10/15/2009	4000	cfs
E	pH	10/15/2009	9.33	
E	Temp	10/15/2009	19.38	c

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	8.73	mg/l
E	EC	11/10/2009	327	µmhos/cm
E	pH	11/10/2009	7.65	
E	Temp	11/10/2009	16.74	c

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Field Data Summary by Site

Monitoring Site: Delta Mendota Canal at DPWD

Sample Event: 62/R9

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/8/2009	6.39	mg/l
E	EC	12/8/2009	292	µmhos/cm
E	pH	12/8/2009	6.31	
E	Temp	12/8/2009	11.52	c

Monitoring Site: Delta Mendota Canal at DPWD

Sample Event: 63

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	6.03	mg/l
E	EC	1/12/2010	6.38	µmhos/cm
E	pH	1/12/2010	7.5	
E	Temp	1/12/2010	13	c

Monitoring Site: Delta Mendota Canal at DPWD

Sample Event: R10

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/26/2010	6.57	mg/l
E	EC	1/26/2010	362	µmhos/cm
E	pH	1/26/2010	7.79	
E	Temp	1/26/2010	11.6	c

Monitoring Site: Delta Mendota Canal at DPWD

Sample Event: 64

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	6.89	mg/l
E	EC	2/9/2010	327	µmhos/cm
E	pH	2/9/2010	7.09	
E	Temp	2/9/2010	13.63	c

Monitoring Site: Hospital Creek at River Road

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/14/2009	5.5	mg/l
E	EC	9/14/2009	800	µmhos/cm
E	Est Depth	9/14/2009	1.36	ft

E	Flow	9/14/2009	2.4	cfs
E	pH	9/14/2009	7.99	
E	Staff Gage	9/14/2009	0.36	ft
E	Temp	9/14/2009	22.25	c

Monitoring Site: **Hospital Creek at River Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/14/2009	0	mg/l
E	EC	10/14/2009	345	µmhos/cm
E	Est Depth	10/14/2009	1.13	ft
E	Flow	10/14/2009	1.31	cfs
E	pH	10/14/2009	0	
E	Staff Gage	10/14/2009	0.13	ft
E	Temp	10/14/2009	61	c

Monitoring Site: **Hospital Creek at River Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/25/2010	6.31	mg/l
E	EC	1/25/2010	248	µmhos/cm
E	pH	1/25/2010	8	
E	Temp	1/25/2010	11.19	c

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	6.71	mg/l
E	EC	9/15/2009	1309	µmhos/cm
E	Est Depth	9/15/2009	1.29	ft
E	Flow	9/15/2009	5.1	cfs
E	pH	9/15/2009	8.4	
E	Staff Gage	9/15/2009	0.29	ft
E	Temp	9/15/2009	20.14	c

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/14/2009	5.14	mg/l

E	EC	10/14/2009	1055	µmhos/cm
E	Est Depth	10/14/2009	1.15	ft
E	Flow	10/14/2009	1.9	cfs
E	pH	10/14/2009	7.85	
E	Staff Gage	10/14/2009	0.15	ft
E	Temp	10/14/2009	19.28	c

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	6.2	mg/l
E	EC	11/10/2009	1119	µmhos/cm
E	Est Depth	11/10/2009	1	ft
E	Flow	11/10/2009	0	cfs
E	pH	11/10/2009	8.05	
E	Staff Gage	11/10/2009	0	ft
E	Temp	11/10/2009	12.68	c

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/25/2010	5.75	mg/l
E	EC	1/25/2010	1101	µmhos/cm
E	Flow	1/25/2010	5.3	cfs
E	pH	1/25/2010	7.97	
E	Staff Gage	1/25/2010	0.3	ft
E	Temp	1/25/2010	13.26	c

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/14/2009	6.1	mg/l
E	EC	9/14/2009	1737	µmhos/cm
E	Est Depth	9/14/2009	2.7	ft
E	Flow	9/14/2009	0	cfs
E	pH	9/14/2009	7.41	
E	Staff Gage	9/14/2009	1.79	ft
E	Temp	9/14/2009	18.46	c

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Field Data Summary by Site

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	3.02	mg/l
E	EC	9/15/2009	1632	µmhos/cm
E	Est Depth	9/15/2009	3	ft
E	Flow	9/15/2009	0	cfs
E	pH	9/15/2009	7.06	
E	Staff Gage	9/15/2009	2.08	ft
E	Temp	9/15/2009	18.57	c

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/13/2009	8.14	mg/l
E	EC	10/13/2009	742	µmhos/cm
E	Est Depth	10/13/2009	3.3	ft
E	Flow	10/13/2009	0	cfs
E	pH	10/13/2009	7.68	
E	Staff Gage	10/13/2009	2.43	ft
E	Temp	10/13/2009	16.71	c

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	7.76	mg/l
E	EC	11/10/2009	1371	µmhos/cm
E	Est Depth	11/10/2009	3	ft
E	Flow	11/10/2009	0	cfs
E	pH	11/10/2009	7.64	
E	Staff Gage	11/10/2009	2.12	ft
E	Temp	11/10/2009	12.76	c

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/8/2009	14.53	mg/l
E	EC	12/8/2009	1548	µmhos/cm

E	Est Depth	12/8/2009	2.33	ft
E	Flow	12/8/2009	0	cfs
E	Staff Gage	12/8/2009	1.43	ft
E	Temp	12/8/2009	3.95	c

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	6.72	mg/l
E	EC	1/12/2010	1672	µmhos/cm
E	pH	1/12/2010	7.75	
E	Staff Gage	1/12/2010	1.89	ft
E	Temp	1/12/2010	9.66	c

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	7.91	mg/l
E	EC	1/21/2010	2133	µmhos/cm
E	Est Depth	1/21/2010	0.67	ft
E	Flow	1/21/2010	1.31	cfs
E	pH	1/21/2010	9.07	
E	Staff Gage	1/21/2010	0.2	ft
E	Temp	1/21/2010	7.71	c

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	13.2	mg/l
E	EC	2/9/2010	2081	µmhos/cm
E	Flow	2/9/2010	1.3	cfs
E	pH	2/9/2010	8.1	
E	Staff Gage	2/9/2010	0.18	ft
E	Temp	2/9/2010	11	c

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	13.47	mg/l

E	EC	9/15/2009	1010	µmhos/cm
E	Est Depth	9/15/2009	1.9	ft
E	Flow	9/15/2009	38	cfs
E	pH	9/15/2009	7.39	
E	Staff Gage	9/15/2009	0.12	ft
E	Temp	9/15/2009	19.8	c

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/13/2009	8.81	mg/l
E	EC	10/13/2009	846	µmhos/cm
E	Est Depth	10/13/2009	2.2	ft
E	Flow	10/13/2009	50	cfs
E	pH	10/13/2009	7.63	
E	Staff Gage	10/13/2009	0.38	ft
E	Temp	10/13/2009	14.33	c

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	7.76	mg/l
E	EC	11/10/2009	1371	µmhos/cm
E	Est Depth	11/10/2009	2.3	ft
E	Flow	11/10/2009	29	cfs
E	pH	11/10/2009	7.64	
E	Staff Gage	11/10/2009	0.52	ft
E	Temp	11/10/2009	12.76	c

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/8/2009	12.81	mg/l
E	EC	12/8/2009	1142	µmhos/cm
E	Est Depth	12/8/2009	3.1	ft
E	Flow	12/8/2009	90	cfs
E	Staff Gage	12/8/2009	1.34	ft
E	Temp	12/8/2009	5.61	c

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Field Data Summary by Site

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	7.85	mg/l
E	EC	1/12/2010	1516	µmhos/cm
E	Est Depth	1/12/2010	3.25	ft
E	Flow	1/12/2010	83.57	cfs
E	pH	1/12/2010	7.54	
E	Staff Gage	1/12/2010	1.5	ft
E	Temp	1/12/2010	9.94	c

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	8.22	mg/l
E	EC	1/21/2010	969	µmhos/cm
E	Est Depth	1/21/2010	7.5	ft
E	Flow	1/21/2010	287.23	cfs
E	pH	1/21/2010	8.57	
E	Temp	1/21/2010	9.05	c

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	7.67	mg/l
E	EC	2/9/2010	2113	µmhos/cm
E	Est Depth	2/9/2010	5.13	ft
E	Flow	2/9/2010	115	cfs
E	pH	2/9/2010	7.82	
E	Staff Gage	2/9/2010	3.33	ft
E	Temp	2/9/2010	12.7	c

Monitoring Site: **Marshall Road Drain near River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	5.01	mg/l
E	EC	9/15/2009	904	µmhos/cm
E	Flow	9/15/2009	1.7	cfs

E	pH	9/15/2009	7.92	
E	Temp	9/15/2009	26.15	c

Monitoring Site: **Marshall Road Drain near River Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/14/2009	7.84	mg/l
E	EC	10/14/2009	225	µmhos/cm
E	Flow	10/14/2009	2.9	cfs
E	pH	10/14/2009	9.89	
E	Temp	10/14/2009	18.17	c

Monitoring Site: **Marshall Road Drain near River Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	Flow	11/10/2009	0	cfs

Monitoring Site: **Marshall Road Drain near River Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/25/2010	5.73	mg/l
E	EC	1/25/2010	138	µmhos/cm
E	pH	1/25/2010	7.8	
E	Temp	1/25/2010	13.29	c

Monitoring Site: **Marshall Road Drain near River Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	Flow	2/9/2010	0	cfs

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	7.05	mg/l
E	EC	9/15/2009	1051	µmhos/cm
E	Est Depth	9/15/2009	1.6	ft
E	Flow	9/15/2009	20	cfs
E	pH	9/15/2009	7.7	
E	Staff Gage	9/15/2009	0.68	ft

E	Temp	9/15/2009	24.04	c

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/13/2009	5.68	mg/l
E	EC	10/13/2009	1057	µmhos/cm
E	Est Depth	10/13/2009	3.75	ft
E	Flow	10/13/2009	173	cfs
E	pH	10/13/2009	7.53	
E	Staff Gage	10/13/2009	2.76	ft
E	Temp	10/13/2009	15.87	c

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	7.85	mg/l
E	EC	11/10/2009	2024	µmhos/cm
E	Est Depth	11/10/2009	2.5	ft
E	Flow	11/10/2009	80	cfs
E	pH	11/10/2009	7.92	
E	Staff Gage	11/10/2009	1.54	ft
E	Temp	11/10/2009	15.13	c

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/9/2009	16.99	mg/l
E	EC	12/9/2009	1960	µmhos/cm
E	Flow	12/9/2009	110	cfs
E	Staff Gage	12/9/2009	1.98	ft
E	Temp	12/9/2009	7.17	c

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	7.89	mg/l
E	EC	1/12/2010	2380	µmhos/cm
E	Est Depth	1/12/2010	2.42	ft

E	Flow	1/12/2010	34.85	cfs
E	pH	1/12/2010	7.71	
E	Staff Gage	1/12/2010	1.83	ft
E	Temp	1/12/2010	9.86	c

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	8.36	mg/l
E	EC	1/21/2010	1961	µmhos/cm
E	Est Depth	1/21/2010	3.89	ft
E	Flow	1/21/2010	84.17	cfs
E	pH	1/21/2010	8.38	
E	Staff Gage	1/21/2010	3.3	ft
E	Temp	1/21/2010	9.42	c

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	3.53	mg/l
E	EC	2/9/2010	1478	µmhos/cm
E	Est Depth	2/9/2010	2.67	ft
E	Flow	2/9/2010	145	cfs
E	pH	2/9/2010	7.85	
E	Staff Gage	2/9/2010	2.08	ft
E	Temp	2/9/2010	13.1	c

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/14/2009	1.76	mg/l
E	EC	9/14/2009	1250	µmhos/cm
E	Est Depth	9/14/2009	3	ft
E	Flow	9/14/2009	0	cfs
E	pH	9/14/2009	7	
E	Staff Gage	9/14/2009	1.78	ft
E	Temp	9/14/2009	20.03	c

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Field Data Summary by Site

Monitoring Site: Newman Wasteway near Hills Ferry Road

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	2.39	mg/l
E	EC	9/15/2009	1543	µmhos/cm
E	Est Depth	9/15/2009	3.2	ft
E	Flow	9/15/2009	0	cfs
E	pH	9/15/2009	7.12	
E	Staff Gage	9/15/2009	2	ft
E	Temp	9/15/2009	18.4	c

Monitoring Site: Newman Wasteway near Hills Ferry Road

Sample Event: 60

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/13/2009	6.46	mg/l
E	EC	10/13/2009	1865	µmhos/cm
E	Est Depth	10/13/2009	2.1	ft
E	Flow	10/13/2009	0	cfs
E	pH	10/13/2009	7.15	
E	Staff Gage	10/13/2009	0.83	ft
E	Temp	10/13/2009	13.86	c

Monitoring Site: Newman Wasteway near Hills Ferry Road

Sample Event: 62/R9

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/9/2009	8.7	mg/l
E	EC	12/9/2009	1270	µmhos/cm
E	Est Depth	12/9/2009	0.9	ft
E	Flow	12/9/2009	0	cfs
E	Staff Gage	12/9/2009	-0.1	ft
E	Temp	12/9/2009	3.49	c

Monitoring Site: Newman Wasteway near Hills Ferry Road

Sample Event: 63

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	8.42	mg/l
E	EC	1/12/2010	792	µmhos/cm
E	pH	1/12/2010	7.89	

E	Temp	1/12/2010	11.05	c

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	8.23	mg/l
E	EC	1/21/2010	516	µmhos/cm
E	Est Depth	1/21/2010	2.75	ft
E	Flow	1/21/2010	10	cfs
E	pH	1/21/2010	6.88	
E	Temp	1/21/2010	9.51	c

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	3.53	mg/l
E	EC	2/9/2010	1478	µmhos/cm
E	Est Depth	2/9/2010	2.75	ft
E	Flow	2/9/2010	5	cfs
E	pH	2/9/2010	7.42	
E	Temp	2/9/2010	12.4	c

Monitoring Site: **Orestimba Creek at Hwy 33**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/14/2009	5.23	mg/l
E	EC	9/14/2009	620	µmhos/cm
E	Flow	9/14/2009	0	cfs
E	pH	9/14/2009	8.05	
E	Temp	9/14/2009	23.1	c

Monitoring Site: **Orestimba Creek at Hwy 33**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/15/2009	6.75	mg/l
E	EC	10/15/2009	449	µmhos/cm
E	Est Depth	10/15/2009	2	ft
E	Flow	10/15/2009	20	cfs
E	pH	10/15/2009	8.8	

E	Temp	10/15/2009	28.12	c

Monitoring Site: **Orestimba Creek at Hwy 33**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/26/2010	7.13	mg/l
E	EC	1/26/2010	269	µmhos/cm
E	Est Depth	1/26/2010	2	ft
E	Flow	1/26/2010	33.33	cfs
E	pH	1/26/2010	7.89	
E	Temp	1/26/2010	12.25	c

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/14/2009	4.99	mg/l
E	EC	9/14/2009	789	µmhos/cm
E	Flow	9/14/2009	0	cfs
E	pH	9/14/2009	8.15	
E	Temp	9/14/2009	22.5	c

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	5.44	mg/l
E	EC	9/15/2009	828	µmhos/cm
E	Flow	9/15/2009	0	cfs
E	pH	9/15/2009	8.1	
E	Temp	9/15/2009	22.99	c

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/15/2009	6.1	mg/l
E	EC	10/15/2009	533	µmhos/cm
E	Flow	10/15/2009	0	cfs
E	pH	10/15/2009	8.1	
E	Temp	10/15/2009	19.4	c

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Field Data Summary by Site

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	6.13	mg/l
E	EC	11/10/2009	496	µmhos/cm
E	Est Depth	11/10/2009	1	ft
E	Flow	11/10/2009	15	cfs
E	pH	11/10/2009	8.5	
E	Temp	11/10/2009	14.53	c

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	Flow	12/8/2009	0	cfs

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/26/2010	6.98	mg/l
E	EC	1/26/2010	280	µmhos/cm
E	Est Depth	1/26/2010	2.5	ft
E	Flow	1/26/2010	22.5	cfs
E	pH	1/26/2010	7.85	
E	Temp	1/26/2010	12.3	c

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	7.01	mg/l
E	EC	2/9/2010	401	µmhos/cm
E	Est Depth	2/9/2010	2	ft
E	Flow	2/9/2010	9	cfs
E	pH	2/9/2010	7.76	
E	Temp	2/9/2010	14.27	c

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Field Data Summary by Site

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	5.83	mg/l
E	EC	9/15/2009	898	µmhos/cm
E	Est Depth	9/15/2009	2.1	ft
E	Flow	9/15/2009	22.5	cfs
E	pH	9/15/2009	7.37	
E	Staff Gage	9/15/2009	2.1	ft
E	Temp	9/15/2009	23.3	c

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/13/2009	9.81	mg/l
E	EC	10/13/2009	872	µmhos/cm
E	Est Depth	10/13/2009	1.6	ft
E	Flow	10/13/2009	18	cfs
E	pH	10/13/2009	7.89	
E	Staff Gage	10/13/2009	1.6	ft
E	Temp	10/13/2009	14.78	c

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	10.53	mg/l
E	EC	11/10/2009	575	µmhos/cm
E	Est Depth	11/10/2009	2	ft
E	Flow	11/10/2009	19	cfs
E	pH	11/10/2009	7.86	
E	Staff Gage	11/10/2009	2	ft
E	Temp	11/10/2009	12.06	c

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/9/2009	20.38	mg/l
E	EC	12/9/2009	1168	µmhos/cm

E	Est Depth	12/9/2009	0.9	ft
E	Flow	12/9/2009	0	cfs
E	Staff Gage	12/9/2009	0.09	ft
E	Temp	12/9/2009	9.21	c

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	10.16	mg/l
E	EC	1/12/2010	970	µmhos/cm
E	Est Depth	1/12/2010	0.67	ft
E	Flow	1/12/2010	2.17	cfs
E	pH	1/12/2010	7.94	
E	Staff Gage	1/12/2010	8	ft
E	Temp	1/12/2010	13.93	c

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	11.85	mg/l
E	EC	1/21/2010	1021	µmhos/cm
E	Est Depth	1/21/2010	1	ft
E	Flow	1/21/2010	7.95	cfs
E	pH	1/21/2010	8.43	
E	Staff Gage	1/21/2010	1	ft
E	Temp	1/21/2010	10.55	c

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	13.4	mg/l
E	EC	2/9/2010	976	µmhos/cm
E	Est Depth	2/9/2010	0.85	ft
E	Flow	2/9/2010	4	cfs
E	pH	2/9/2010	8.02	
E	Staff Gage	2/9/2010	0.85	ft
E	Temp	2/9/2010	14.3	c

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Field Data Summary by Site

Monitoring Site: Ramona Lake near Fig Avenue

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/14/2009	5.3	mg/l
E	EC	9/14/2009	1610	µmhos/cm
E	Flow	9/14/2009	6.1	cfs
E	pH	9/14/2009	8.08	
E	Temp	9/14/2009	22.99	c

Monitoring Site: Ramona Lake near Fig Avenue

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Results	Units
e	DO	9/15/2009	5.05	mg/l
e	EC	9/15/2009	1524	µmhos/cm
e	Flow	9/15/2009	7.8	cfs
e	pH	9/15/2009	8.08	
e	Temp	9/15/2009	23.98	c

Monitoring Site: Ramona Lake near Fig Avenue

Sample Event: R8

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/14/2009	8.09	mg/l
E	EC	10/14/2009	1049	µmhos/cm
E	Flow	10/14/2009	8.1	cfs
E	pH	10/14/2009	10.3	
E	Temp	10/14/2009	22.68	c

Monitoring Site: Ramona Lake near Fig Avenue

Sample Event: 62/R9

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/8/2009	5.38	mg/l
E	EC	12/8/2009	859	µmhos/cm
E	Est Depth	12/8/2009	2.4	ft
E	Flow	12/8/2009	0	cfs
E	pH	12/8/2009	8.19	
E	Temp	12/8/2009	8.17	c

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Field Data Summary by Site

Monitoring Site: Ramona Lake near Fig Avenue

Sample Event: R10

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/25/2010	5.51	mg/l
E	EC	1/25/2010	654	µmhos/cm
E	Flow	1/25/2010	0	cfs
E	pH	1/25/2010	8.32	
E	Temp	1/25/2010	12.08	c

Monitoring Site: Ramona Lake near Fig Avenue

Sample Event: 64

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	8.62	mg/l
E	EC	2/9/2010	974	µmhos/cm
E	Flow	2/9/2010	0	cfs
E	pH	2/9/2010	7.15	
E	Temp	2/9/2010	14.21	c

Monitoring Site: Salt Slough at Lander Ave

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	6.14	mg/l
E	EC	9/15/2009	1339	µmhos/cm
E	Est Depth	9/15/2009	2.5	ft
E	Flow	9/15/2009	94	cfs
E	pH	9/15/2009	7.31	
E	Staff Gage	9/15/2009	65.22	ft
E	Temp	9/15/2009	21.47	c

Monitoring Site: Salt Slough at Lander Ave

Sample Event: 60

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/13/2009	10.36	mg/l
E	EC	10/13/2009	1256	µmhos/cm
E	Est Depth	10/13/2009	2.6	ft
E	Flow	10/13/2009	107	cfs
E	pH	10/13/2009	7.17	
E	Staff Gage	10/13/2009	65.28	ft

E	Temp	10/13/2009	15.64	c

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	8.37	mg/l
E	EC	11/10/2009	1364	µmhos/cm
E	Est Depth	11/10/2009	3.3	ft
E	Flow	11/10/2009	154	cfs
E	pH	11/10/2009	7.52	
E	Staff Gage	11/10/2009	65.96	ft
E	Temp	11/10/2009	13.01	c

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/8/2009	12.17	mg/l
E	EC	12/8/2009	1653	µmhos/cm
E	Est Depth	12/8/2009	2.4	ft
E	Flow	12/8/2009	94	cfs
E	Staff Gage	12/8/2009	65.88	ft
E	Temp	12/8/2009	7.03	c

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	8.43	mg/l
E	EC	1/12/2010	2140	µmhos/cm
E	Est Depth	1/12/2010	2.33	ft
E	Flow	1/12/2010	55.61	cfs
E	pH	1/12/2010	7.69	
E	Staff Gage	1/12/2010	64.95	ft
E	Temp	1/12/2010	12.25	c

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	8.71	mg/l
E	EC	1/21/2010	1491	µmhos/cm

E	Est Depth	1/21/2010	4.3	ft
E	Flow	1/21/2010	400.46	cfs
E	pH	1/21/2010	8.28	
E	Staff Gage	1/21/2010	67.06	ft
E	Temp	1/21/2010	9.58	c

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	8.89	mg/l
E	EC	2/9/2010	1786	µmhos/cm
E	Est Depth	2/9/2010	3.54	ft
E	Flow	2/9/2010	183	cfs
E	pH	2/9/2010	7.69	
E	Staff Gage	2/9/2010	66.2	ft
E	Temp	2/9/2010	13.3	c

Monitoring Site: **Salt Slough at Sand Dam**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/9/2009	15.46	mg/l
E	EC	12/9/2009	806	µmhos/cm
E	Est Depth	12/9/2009	6.3	ft
E	Flow	12/9/2009	0	cfs
E	Staff Gage	12/9/2009	1.8	ft
E	Temp	12/9/2009	6.22	c

Monitoring Site: **Salt Slough at Sand Dam**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	9.81	mg/l
E	EC	1/21/2010	929	µmhos/cm
E	pH	1/21/2010	8.54	
E	Temp	1/21/2010	8.65	c

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	9.7	mg/l

E	EC	9/15/2009	2279	µmhos/cm
E	Flow	9/15/2009	1	cfs
E	pH	9/15/2009	8.38	
E	Staff Gage	9/15/2009	0.05	ft
E	Temp	9/15/2009	23.35	c

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/13/2009	8.83	mg/l
E	EC	10/13/2009	2305	µmhos/cm
E	Flow	10/13/2009	16	cfs
E	pH	10/13/2009	8.07	
E	Staff Gage	10/13/2009	1	ft
E	Temp	10/13/2009	16.47	c

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	6.32	mg/l
E	EC	11/10/2009	375	µmhos/cm
E	Flow	11/10/2009	11	cfs
E	pH	11/10/2009	7.74	
E	Staff Gage	11/10/2009	0.96	ft
E	Temp	11/10/2009	13.78	c

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/8/2009	12.62	mg/l
E	EC	12/8/2009	825	µmhos/cm
E	Flow	12/8/2009	39	cfs
E	Staff Gage	12/8/2009	2.74	ft
E	Temp	12/8/2009	6.6	c

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	10.89	mg/l

E	EC	1/12/2010	1421	µmhos/cm
E	pH	1/12/2010	7.91	
E	Staff Gage	1/12/2010	1.5	ft
E	Temp	1/12/2010	10.26	c

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	8.48	mg/l
E	EC	1/21/2010	194	µmhos/cm
E	Flow	1/21/2010	672	cfs
E	pH	1/21/2010	7.74	
E	Temp	1/21/2010	9.22	c

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	10.03	mg/l
E	EC	2/9/2010	417	µmhos/cm
E	Flow	2/9/2010	317	cfs
E	pH	2/9/2010	7.74	
E	Temp	2/9/2010	12.7	c

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	5.35	mg/l
E	EC	9/15/2009	1140	µmhos/cm
E	Flow	9/15/2009	362	cfs
E	pH	9/15/2009	8.44	
E	Temp	9/15/2009	23.21	c

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/14/2009	6.85	mg/l
E	EC	10/14/2009	755	µmhos/cm
E	Flow	10/14/2009	844	cfs
E	pH	10/14/2009	9.8	

E	Temp	10/14/2009	19.88	c

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	7.89	mg/l
E	EC	11/10/2009	852	µmhos/cm
E	Flow	11/10/2009	598	cfs
E	pH	11/10/2009	8.06	
E	Temp	11/10/2009	14.85	c

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/8/2009	7.63	mg/l
E	EC	12/8/2009	288	µmhos/cm
E	Flow	12/8/2009	500	cfs
E	pH	12/8/2009	8.11	
E	Temp	12/8/2009	8.65	c

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	6.53	mg/l
E	EC	1/12/2010	1108	µmhos/cm
E	pH	1/12/2010	7.56	
E	Temp	1/12/2010	12.76	c

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/26/2010	6.1	mg/l
E	EC	1/26/2010	517	µmhos/cm
E	pH	1/26/2010	7	
E	Temp	1/26/2010	11.75	c

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Field Data Summary by Site

Monitoring Site: San Joaquin River at PID Pumps

Sample Event: 64

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	7.53	mg/l
E	EC	2/9/2010	909	µmhos/cm
E	Flow	2/9/2010	895	cfs
E	pH	2/9/2010	7.69	
E	Temp	2/9/2010	15.29	c

Monitoring Site: San Joaquin River at Sack Dam

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	8.16	mg/l
E	EC	9/15/2009	649	µmhos/cm
E	Est Depth	9/15/2009	1.7	ft
E	Flow	9/15/2009	0	cfs
E	pH	9/15/2009	7.98	
E	Temp	9/15/2009	23.99	c

Monitoring Site: San Joaquin River at Sack Dam

Sample Event: 60

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	10/13/2009	5.92	mg/l
E	EC	10/13/2009	605	µmhos/cm
E	Est Depth	10/13/2009	0.6	ft
E	Flow	10/13/2009	0	cfs
E	pH	10/13/2009	7.71	
E	Staff Gage	10/13/2009	-1.85	ft
E	Temp	10/13/2009	16.14	c

Monitoring Site: San Joaquin River at Sack Dam

Sample Event: 61

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	10.53	mg/l
E	EC	11/10/2009	550	µmhos/cm
E	Est Depth	11/10/2009	1.4	ft
E	Flow	11/10/2009	0	cfs
E	pH	11/10/2009	8.31	

E	Staff Gage	11/10/2009	-1.05	ft
E	Temp	11/10/2009	13.74	c

Monitoring Site: **San Joaquin River at Sack Dam**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	11.03	mg/l
E	EC	1/12/2010	812	µmhos/cm
E	Est Depth	1/12/2010	1.6	ft
E	pH	1/12/2010	8.21	
E	Staff Gage	1/12/2010	-1.6	ft
E	Temp	1/12/2010	11.35	c

Monitoring Site: **San Joaquin River at Sack Dam**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	11.32	mg/l
E	EC	1/21/2010	837	µmhos/cm
E	pH	1/21/2010	8.42	
E	Staff Gage	1/21/2010	1.02	ft
E	Temp	1/21/2010	8.68	c

Monitoring Site: **San Joaquin River at Sack Dam**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	10.07	mg/l
E	EC	2/9/2010	704	µmhos/cm
E	Est Depth	2/9/2010	3.3	ft
E	Flow	2/9/2010	0	cfs
E	pH	2/9/2010	7.88	
E	Staff Gage	2/9/2010	1.22	ft
E	Temp	2/9/2010	12.3	c

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	2.16	mg/l
E	EC	9/15/2009	2504	µmhos/cm
E	Est Depth	9/15/2009	0.8	ft

E	Flow	9/15/2009	0	cfs
E	pH	9/15/2009	7.45	
E	Staff Gage	9/15/2009	0.6	ft
E	Temp	9/15/2009	16.01	c

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	12/9/2009	3.11	mg/l
E	EC	12/9/2009	1816	µmhos/cm
E	Est Depth	12/9/2009	1	ft
E	Flow	12/9/2009	0	cfs
E	Staff Gage	12/9/2009	-0.6	ft
E	Temp	12/9/2009	6.66	c

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/12/2010	5.26	mg/l
E	EC	1/12/2010	2570	µmhos/cm
E	Est Depth	1/12/2010	0.417	ft
E	pH	1/12/2010	7.5	
E	Staff Gage	1/12/2010	-0.75	ft
E	Temp	1/12/2010	11.81	c

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	1/21/2010	11.85	mg/l
E	EC	1/21/2010	1021	µmhos/cm
E	Est Depth	1/21/2010	4.09	ft
E	Flow	1/21/2010	79.88	cfs
E	pH	1/21/2010	8.43	
E	Temp	1/21/2010	10.55	c

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	2/9/2010	9.79	mg/l

E	EC	2/9/2010	139	µmhos/cm
E	Est Depth	2/9/2010	4.61	ft
E	pH	2/9/2010	7.89	
E	Temp	2/9/2010	12.6	c

Monitoring Site: **Westley Wasteway near Cox Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/14/2009	7.21	mg/l
E	EC	9/14/2009	599	µmhos/cm
E	Est Depth	9/14/2009	1.32	ft
E	Flow	9/14/2009	5.1	cfs
E	pH	9/14/2009	7.9	
E	Staff Gage	9/14/2009	4.05	ft
E	Temp	9/14/2009	18.23	c

Monitoring Site: **Westley Wasteway near Cox Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	9/15/2009	7.52	mg/l
E	EC	9/15/2009	676	µmhos/cm
E	Est Depth	9/15/2009	1.27	ft
E	Flow	9/15/2009	4.3	cfs
E	pH	9/15/2009	7.6	
E	Staff Gage	9/15/2009	4	ft
E	Temp	9/15/2009	18.66	c

Monitoring Site: **Westley Wasteway near Cox Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Results	Units
E	DO	11/10/2009	6.13	mg/l
E	EC	11/10/2009	730	µmhos/cm
E	Est Depth	11/10/2009	0.95	ft
E	Flow	11/10/2009	0.4	cfs
E	pH	11/10/2009	7.9	
E	Staff Gage	11/10/2009	3.68	ft
E	Temp	11/10/2009	12.8	c

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Blewett Drain at Highway 132**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	0.5	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	3.7	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	690	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	4	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	530	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	300	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	420	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	49	NTU	0.2
E	Ammonia as N	9/15/2009	General Chemistry	0.2	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	9.4	mg/L	0.2
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.76	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.16	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.48	mg/L	0.01

Monitoring Site: **Blewett Drain at Highway 132**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/25/2010	Aquatic Toxicity	0	%	
E	Pimephales promelas	1/25/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/25/2010	Aquatic Toxicity	2820000	cells/ml	
E	Bromide	1/25/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	1/25/2010	General Chemistry	6.4	mg/L	0.5
E	E. coli	1/25/2010	General Chemistry	550	MPN/100 mL	1
E	Total Organic Carbon	1/25/2010	General Chemistry	5.6	mg/L	0.5
E	Dissolved Solids	1/25/2010	General Chemistry	260	mg/L	20
E	Hardness as CaCO3	1/25/2010	General Chemistry	100	mg/L	20
E	Suspended Solids	1/25/2010	General Chemistry	100	mg/L	6
E	Turbidity	1/25/2010	General Chemistry	240	NTU	1
E	Arsenic	1/25/2010	General Chemistry	4.4	µg/L	0.5
E	Boron	1/25/2010	General Chemistry	160	µg/L	10
E	Cadmium	1/25/2010	General Chemistry	0.07	µg/L	0.1
E	Cadmium (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/25/2010	General Chemistry	23	µg/L	0.5
E	Copper (dissolved)	1/25/2010	General Chemistry	5.9	µg/L	0.5

E	Lead	1/25/2010	General Chemistry	8.2	µg/L	0.25
E	Lead (dissolved)	1/25/2010	General Chemistry	0.11	µg/L	0.25
E	Nickel	1/25/2010	General Chemistry	27	µg/L	0.5
E	Nickel (dissolved)	1/25/2010	General Chemistry	2.7	µg/L	0.5
E	Selenium	1/25/2010	General Chemistry	0.26	µg/L	1
E	Zinc	1/25/2010	General Chemistry	57	µg/L	1
E	Zinc (dissolved)	1/25/2010	General Chemistry	3	µg/L	1
E	Ammonia as N	1/25/2010	General Chemistry	0.14	mg/L	0.1
E	Nitrate + Nitrite as N	1/25/2010	General Chemistry	5.1	mg/L	0.2
E	Nitrogen, Total Kjeldahl	1/25/2010	General Chemistry	1.5	mg/L	0.1
E	OrthoPhosphate as P	1/25/2010	General Chemistry	0.37	mg/L	0.01
E	Phosphate as P	1/25/2010	General Chemistry	ND	mg/L	0.01
E	Diuron	1/25/2010	Pesticide	0.49	µg/L	0.4
E	Prowl	1/25/2010	Pesticide	0.37	µg/L	0.1
E	Simazine	1/25/2010	Pesticide	2.2	µg/L	0.5
E	DDE(p,p')	1/25/2010	Pesticide	0.016	µg/L	0.01
E	Chlorpyrifos	1/25/2010	Pesticide	0.35	µg/L	0.015

Monitoring Site: **Blewett Drain at Highway 132**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	2/9/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	8.8	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	8.7	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	350	mg/L	40
E	Hardness as CaCO3	2/9/2010	General Chemistry	200	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	380	mg/L	6
E	Turbidity	2/9/2010	General Chemistry	580	NTU	5
E	Ammonia as N	2/9/2010	General Chemistry	0.27	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	4.8	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	3.2	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.4	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	1.6	mg/L	0.01

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Del Puerto Creek at Hwy 33**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/25/2010	Aquatic Toxicity	100	%	
E	Pimephales promelas	1/25/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/25/2010	Aquatic Toxicity	3098000	cells/ml	
E	Bromide	1/25/2010	General Chemistry	0.059	mg/L	1
E	Dissolved Organic Carbon	1/25/2010	General Chemistry	5	mg/L	0.5
E	E. coli	1/25/2010	General Chemistry	100	MPN/100 mL	1
E	Total Organic Carbon	1/25/2010	General Chemistry	5.1	mg/L	0.5
E	Dissolved Solids	1/25/2010	General Chemistry	500	mg/L	10
E	Hardness as CaCO3	1/25/2010	General Chemistry	410	mg/L	20
E	Suspended Solids	1/25/2010	General Chemistry	21	mg/L	3
E	Turbidity	1/25/2010	General Chemistry	12	NTU	0.1
E	Arsenic	1/25/2010	General Chemistry	1.2	µg/L	0.5
E	Boron	1/25/2010	General Chemistry	520	µg/L	10
E	Cadmium	1/25/2010	General Chemistry	0.04	µg/L	0.1
E	Cadmium (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/25/2010	General Chemistry	4.9	µg/L	0.5
E	Copper (dissolved)	1/25/2010	General Chemistry	1.8	µg/L	0.5
E	Lead	1/25/2010	General Chemistry	33	µg/L	0.25
E	Lead (dissolved)	1/25/2010	General Chemistry	1	µg/L	0.25
E	Nickel	1/25/2010	General Chemistry	5.8	µg/L	0.5
E	Nickel (dissolved)	1/25/2010	General Chemistry	2.4	µg/L	0.5
E	Selenium	1/25/2010	General Chemistry	0.84	µg/L	1
E	Zinc	1/25/2010	General Chemistry	48	µg/L	1
E	Zinc (dissolved)	1/25/2010	General Chemistry	12	µg/L	1
E	Ammonia as N	1/25/2010	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	1/25/2010	General Chemistry	3.4	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/25/2010	General Chemistry	0.59	mg/L	0.1
E	OrthoPhosphate as P	1/25/2010	General Chemistry	0.03	mg/L	0.01
E	Phosphate as P	1/25/2010	General Chemistry	0.066	mg/L	0.01

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Endosulfan I	9/14/2009	Pesticide	ND	mg/kg	0.01

E	Endosulfan II	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	Endosulfan sulfate	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	Endrin	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	Methoxychlor	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	4,4'-DDD	9/14/2009	Pesticide	0.0065	mg/kg	0.0052
E	4,4'-DDE	9/14/2009	Pesticide	0.045	mg/kg	0.0052
E	4,4'-DDT	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	Aldrin	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	alpha-BHC	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	beta-BHC	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	Chlordane	9/14/2009	Pesticide	ND	mg/kg	0.01
E	Dieldrin	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	Heptachlor	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	Heptachlor epoxide	9/14/2009	Pesticide	ND	mg/kg	0.0052
E	Toxaphene	9/14/2009	Pesticide	ND	mg/kg	0.17
E	Cypermethrin	9/14/2009	Pesticide	0.3	ug/kg	0.57
E	Permethrin	9/14/2009	Pesticide	2	ug/kg	0.57
E	Allethrin	9/14/2009	Sediment Pesticide	ND	ug/kg	0.57
E	Bifenthrin (Biphenthrin)	9/14/2009	Sediment Pesticide	4.3	ug/kg	0.57
E	Chlorpyrifos (Dursban)	9/14/2009	Sediment Pesticide	0.78	ug/kg	0.57
E	Cyfluthrin (Baythroid)	9/14/2009	Sediment Pesticide	ND	ug/kg	0.57
E	Cypermethrin	9/14/2009	Sediment Pesticide	0.3	ug/kg	0.57
E	Deltamethrin:Tralomethrin	9/14/2009	Sediment Pesticide	ND	ug/kg	0.57
E	Esfenvalerate:Fenvalerate	9/14/2009	Sediment Pesticide	1.1	ug/kg	0.57
E	Fenpropathrin (Danitol)	9/14/2009	Sediment Pesticide	ND	ug/kg	0.57
E	gamma-BHC (Lindane)	9/14/2009	Sediment Pesticide	ND	mg/kg	0.01
E	Permethrin	9/14/2009	Sediment Pesticide	2	ug/kg	0.57
E	Hyalella azteca	9/14/2009	Sediment Toxicity	13.75	%	

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	0.94	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	4.3	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	160	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	4.1	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	800	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	460	mg/L	20

E	Suspended Solids	9/15/2009	General Chemistry	46	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	23	NTU	0.1
E	Ammonia as N	9/15/2009	General Chemistry	0.099	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	3.7	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.6	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.24	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.36	mg/L	0.01

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/15/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	10/15/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	10/15/2009	Aquatic Toxicity	3940000	cells/ml	
E	Dissolved Organic Carbon	10/15/2009	General Chemistry	8.4	mg/L	0.5
E	E. coli	10/15/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	10/15/2009	General Chemistry	8.8	mg/L	0.5
E	Dissolved Solids	10/15/2009	General Chemistry	150	mg/L	10
E	Hardness as CaCO3	10/15/2009	General Chemistry	75	mg/L	20
E	Turbidity	10/15/2009	General Chemistry	220	NTU	1
E	Arsenic	10/15/2009	General Chemistry	6.1	µg/L	0.5
E	Boron	10/15/2009	General Chemistry	250	µg/L	10
E	Cadmium	10/15/2009	General Chemistry	0.13	µg/L	0.1
E	Cadmium (dissolved)	10/15/2009	General Chemistry	0.03	µg/L	0.1
E	Copper	10/15/2009	General Chemistry	14	µg/L	0.5
E	Copper (dissolved)	10/15/2009	General Chemistry	2.1	µg/L	0.5
E	Lead	10/15/2009	General Chemistry	4.6	µg/L	0.25
E	Nickel	10/15/2009	General Chemistry	57	µg/L	0.5
E	Nickel (dissolved)	10/15/2009	General Chemistry	18	µg/L	0.5
E	Selenium	10/15/2009	General Chemistry	0.43	µg/L	1
E	Zinc	10/15/2009	General Chemistry	65	µg/L	1
E	Zinc (dissolved)	10/15/2009	General Chemistry	13	µg/L	1
E	Ammonia as N	10/15/2009	General Chemistry	0.22	mg/L	0.1
E	Nitrate + Nitrite as N	10/15/2009	General Chemistry	0.14	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/15/2009	General Chemistry	2.4	mg/L	0.1
E	OrthoPhosphate as P	10/15/2009	General Chemistry	0.23	mg/L	0.01
E	Phosphate as P	10/15/2009	General Chemistry	0.75	mg/L	0.01
E	Carbaryl	10/15/2009	Pesticide	0.96	µg/L	0.07

E	Diuron	10/15/2009	Pesticide	0.28	µg/L	0.4
E	EPTC	10/15/2009	Pesticide	0.12	µg/L	0.1
E	Endrin	10/15/2009	Pesticide	0.05	µg/L	0.01
E	Dieldrin	10/15/2009	Pesticide	0.021	µg/L	0.01
E	Dimethoate	10/15/2009	Pesticide	0.72	µg/L	0.10

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/25/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/25/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/25/2010	Aquatic Toxicity	4710000	cells/ml	
E	Bromide	1/25/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	1/25/2010	General Chemistry	6	mg/L	0.5
E	E. coli	1/25/2010	General Chemistry	140	MPN/100 mL	1
E	Total Organic Carbon	1/25/2010	General Chemistry	6	mg/L	0.5
E	Dissolved Solids	1/25/2010	General Chemistry	420	mg/L	10
E	Hardness as CaCO3	1/25/2010	General Chemistry	360	mg/L	20
E	Suspended Solids	1/25/2010	General Chemistry	29	mg/L	3
E	Turbidity	1/25/2010	General Chemistry	27	NTU	0.2
E	Arsenic	1/25/2010	General Chemistry	1.3	µg/L	0.5
E	Boron	1/25/2010	General Chemistry	430	µg/L	10
E	Cadmium	1/25/2010	General Chemistry	0.03	µg/L	0.1
E	Cadmium (dissolved)	1/25/2010	General Chemistry	0.01	µg/L	0.1
E	Copper	1/25/2010	General Chemistry	5.1	µg/L	0.5
E	Copper (dissolved)	1/25/2010	General Chemistry	2.2	µg/L	0.5
E	Lead	1/25/2010	General Chemistry	1.1	µg/L	0.25
E	Lead (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/25/2010	General Chemistry	7.6	µg/L	0.5
E	Nickel (dissolved)	1/25/2010	General Chemistry	2.7	µg/L	0.5
E	Selenium	1/25/2010	General Chemistry	0.77	µg/L	1
E	Zinc	1/25/2010	General Chemistry	69	µg/L	1
E	Zinc (dissolved)	1/25/2010	General Chemistry	18	µg/L	1
E	Ammonia as N	1/25/2010	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	1/25/2010	General Chemistry	4.6	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/25/2010	General Chemistry	0.65	mg/L	0.1
E	OrthoPhosphate as P	1/25/2010	General Chemistry	0.051	mg/L	0.01
E	Phosphate as P	1/25/2010	General Chemistry	0.086	mg/L	0.01

E	Diuron	1/25/2010	Pesticide	0.22	µg/L	0.4

Monitoring Site: **Del Puerto Creek near Cox Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	2/9/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	5	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	34	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	5.4	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	590	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	480	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	16	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	7.9	NTU	0.05
E	Ammonia as N	2/9/2010	General Chemistry	0.066	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.2	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	0.78	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.086	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.15	mg/L	0.01

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	9/15/2009	General Chemistry	11	MPN/100 mL	1
E	Dissolved Solids	9/15/2009	General Chemistry	280	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	100	mg/L	5
E	Suspended Solids	9/15/2009	General Chemistry	ND	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	4	NTU	0.05
E	Boron	9/15/2009	General Chemistry	96	µg/L	10
E	Copper	9/15/2009	General Chemistry	5.2	µg/L	0.5
E	Copper (dissolved)	9/15/2009	General Chemistry	2.1	µg/L	0.5
E	Nickel	9/15/2009	General Chemistry	2.4	µg/L	0.5
E	Nickel (dissolved)	9/15/2009	General Chemistry	1.3	µg/L	0.5
E	Zinc	9/15/2009	General Chemistry	44	µg/L	1
E	Zinc (dissolved)	9/15/2009	General Chemistry	13	µg/L	1

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/15/2009	Aquatic Toxicity	15	%	

E	Pimephales promelas	10/15/2009	Aquatic Toxicity	97.5	%	
E	Selenastrum capricornutum	10/15/2009	Aquatic Toxicity	3570000	cells/ml	
E	Dissolved Organic Carbon	10/15/2009	General Chemistry	3	mg/L	0.5
E	E. coli	10/15/2009	General Chemistry	44	MPN/100 mL	1
E	Total Organic Carbon	10/15/2009	General Chemistry	3.1	mg/L	0.5
E	Dissolved Solids	10/15/2009	General Chemistry	310	mg/L	10
E	Hardness as CaCO3	10/15/2009	General Chemistry	140	mg/L	20
E	Turbidity	10/15/2009	General Chemistry	5.4	NTU	0.05
E	Arsenic	10/15/2009	General Chemistry	2.2	µg/L	0.5
E	Boron	10/15/2009	General Chemistry	190	µg/L	10
E	Cadmium	10/15/2009	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	10/15/2009	General Chemistry	0.01	µg/L	0.1
E	Copper	10/15/2009	General Chemistry	1.4	µg/L	0.5
E	Copper (dissolved)	10/15/2009	General Chemistry	0.42	µg/L	0.5
E	Lead	10/15/2009	General Chemistry	0.25	µg/L	0.25
E	Nickel	10/15/2009	General Chemistry	1.6	µg/L	0.5
E	Nickel (dissolved)	10/15/2009	General Chemistry	0.94	µg/L	0.5
E	Selenium	10/15/2009	General Chemistry	0.15	µg/L	1
E	Zinc	10/15/2009	General Chemistry	26	µg/L	1
E	Zinc (dissolved)	10/15/2009	General Chemistry	20	µg/L	1
E	Ammonia as N	10/15/2009	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	10/15/2009	General Chemistry	0.79	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/15/2009	General Chemistry	0.4	mg/L	0.1
E	OrthoPhosphate as P	10/15/2009	General Chemistry	0.072	mg/L	0.01
E	Phosphate as P	10/15/2009	General Chemistry	0.12	mg/L	0.01

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	11/10/2009	General Chemistry	7.5	MPN/100 mL	1
E	Dissolved Solids	11/10/2009	General Chemistry	240	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	130	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	7	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	4	NTU	0.05
E	Boron	11/10/2009	General Chemistry	110	µg/L	10
E	Copper	11/10/2009	General Chemistry	1.8	µg/L	0.5
E	Copper (dissolved)	11/10/2009	General Chemistry	0.86	µg/L	0.5
E	Nickel	11/10/2009	General Chemistry	1.6	µg/L	0.5

E	Nickel (dissolved)	11/10/2009	General Chemistry	0.84	µg/L	0.5
E	Zinc	11/10/2009	General Chemistry	19	µg/L	1
E	Zinc (dissolved)	11/10/2009	General Chemistry	9.4	µg/L	1

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	12/8/2009	General Chemistry	14	MPN/100 mL	1
E	Dissolved Solids	12/8/2009	General Chemistry	230	mg/L	10
E	Suspended Solids	12/8/2009	General Chemistry	8	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	3.4	NTU	0.05
E	Boron	12/8/2009	General Chemistry	120	µg/L	10
E	Copper	12/8/2009	General Chemistry	3	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.7	µg/L	0.5
E	Nickel	12/8/2009	General Chemistry	1.6	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	0.77	µg/L	0.5
E	Zinc	12/8/2009	General Chemistry	13	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	5.9	µg/L	1

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	1/12/2010	General Chemistry	2	MPN/100 mL	1
E	Dissolved Solids	1/12/2010	General Chemistry	540	mg/L	10
E	Suspended Solids	1/12/2010	General Chemistry	11	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	5.1	NTU	0.05
E	Boron	1/12/2010	General Chemistry	470	µg/L	10
E	Copper	1/12/2010	General Chemistry	1.5	µg/L	0.5
E	Copper (dissolved)	1/12/2010	General Chemistry	0.12	µg/L	0.5
E	Nickel	1/12/2010	General Chemistry	1.6	µg/L	0.5
E	Nickel (dissolved)	1/12/2010	General Chemistry	1.2	µg/L	0.5
E	Zinc	1/12/2010	General Chemistry	12	µg/L	1
E	Zinc (dissolved)	1/12/2010	General Chemistry	7.4	µg/L	1

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/26/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/26/2010	Aquatic Toxicity	97.5	%	

E	Selenastrum capricornutum	1/26/2010	Aquatic Toxicity	3558000	cells/ml	
E	Bromide	1/26/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	1/26/2010	General Chemistry	6.2	mg/L	0.5
E	E. coli	1/26/2010	General Chemistry	64	MPN/100 mL	1
E	Total Organic Carbon	1/26/2010	General Chemistry	5.9	mg/L	0.5
E	Dissolved Solids	1/26/2010	General Chemistry	340	mg/L	10
E	Hardness as CaCO3	1/26/2010	General Chemistry	150	mg/L	20
E	Suspended Solids	1/26/2010	General Chemistry	85	mg/L	3
E	Turbidity	1/26/2010	General Chemistry	51	NTU	0.5
E	Arsenic	1/26/2010	General Chemistry	2.5	µg/L	0.5
E	Boron	1/26/2010	General Chemistry	230	µg/L	10
E	Cadmium	1/26/2010	General Chemistry	0.04	µg/L	0.1
E	Cadmium (dissolved)	1/26/2010	General Chemistry	0.01	µg/L	0.1
E	Copper	1/26/2010	General Chemistry	6.1	µg/L	0.5
E	Copper (dissolved)	1/26/2010	General Chemistry	2.2	µg/L	0.5
E	Lead	1/26/2010	General Chemistry	3.9	µg/L	0.25
E	Lead (dissolved)	1/26/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/26/2010	General Chemistry	8.6	µg/L	0.5
E	Nickel (dissolved)	1/26/2010	General Chemistry	2	µg/L	0.5
E	Selenium	1/26/2010	General Chemistry	0.47	µg/L	1
E	Zinc	1/26/2010	General Chemistry	34	µg/L	1
E	Zinc (dissolved)	1/26/2010	General Chemistry	12	µg/L	1
E	Ammonia as N	1/26/2010	General Chemistry	0.18	mg/L	0.1
E	Nitrate + Nitrite as N	1/26/2010	General Chemistry	4.9	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/26/2010	General Chemistry	1.1	mg/L	0.1
E	OrthoPhosphate as P	1/26/2010	General Chemistry	0.18	mg/L	0.01
E	Phosphate as P	1/26/2010	General Chemistry	0.26	mg/L	0.01
E	Diuron	1/26/2010	Pesticide	0.66	µg/L	0.4
E	Simazine	1/26/2010	Pesticide	0.19	µg/L	0.5

Monitoring Site: **Delta Mendota Canal at DPWD**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	2/9/2010	General Chemistry	5	MPN/100 mL	1
E	Dissolved Solids	2/9/2010	General Chemistry	290	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	140	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	3	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	17	NTU	0.1

E	Boron	2/9/2010	General Chemistry	150	µg/L	10
E	Copper	2/9/2010	General Chemistry	3.8	µg/L	0.5
E	Copper (dissolved)	2/9/2010	General Chemistry	2.2	µg/L	0.5
E	Nickel	2/9/2010	General Chemistry	3.6	µg/L	0.5
E	Nickel (dissolved)	2/9/2010	General Chemistry	2.2	µg/L	0.5
E	Zinc	2/9/2010	General Chemistry	12	µg/L	1
E	Zinc (dissolved)	2/9/2010	General Chemistry	3.7	µg/L	1

Monitoring Site: **Hospital Creek at River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Endosulfan I	9/14/2009	Pesticide	ND	mg/kg	0.0077
E	Endosulfan II	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	Endosulfan sulfate	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	Endrin	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	Methoxychlor	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	4,4'-DDD	9/14/2009	Pesticide	0.0046	mg/kg	0.0038
E	4,4'-DDE	9/14/2009	Pesticide	0.03	mg/kg	0.0038
E	4,4'-DDT	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	Aldrin	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	alpha-BHC	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	beta-BHC	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	Chlordane	9/14/2009	Pesticide	ND	mg/kg	0.0077
E	Dieldrin	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	Heptachlor	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	Heptachlor epoxide	9/14/2009	Pesticide	ND	mg/kg	0.0038
E	Cypermethrin	9/14/2009	Pesticide	ND	ug/kg	0.42
E	Permethrin	9/14/2009	Pesticide	7.8	ug/kg	0.42
E	Allethrin	9/14/2009	Sediment Pesticide	ND	ug/kg	0.42
E	Bifenthrin (Biphenthrin)	9/14/2009	Sediment Pesticide	380	ug/kg	0.42
E	Chlorpyrifos (Dursban)	9/14/2009	Sediment Pesticide	6.4	ug/kg	0.42
E	Cyfluthrin (Baythroid)	9/14/2009	Sediment Pesticide	ND	ug/kg	0.42
E	Cypermethrin	9/14/2009	Sediment Pesticide	ND	ug/kg	0.42
E	Deltamethrin:Tralomethrin	9/14/2009	Sediment Pesticide	ND	ug/kg	0.42
E	Esfenvalerate:Fenvalerate	9/14/2009	Sediment Pesticide	0.35	ug/kg	0.42
E	Fenpropathrin (Danitol)	9/14/2009	Sediment Pesticide	ND	ug/kg	0.42
E	gamma-BHC (Lindane)	9/14/2009	Sediment Pesticide	ND	mg/kg	0.0077
E	Permethrin	9/14/2009	Sediment Pesticide	7.8	ug/kg	0.42

E	Hyalella azteca	9/14/2009	Sediment Toxicity	10	%	

Monitoring Site: **Hospital Creek at River Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/14/2009	Aquatic Toxicity	0	%	
E	Pimephales promelas	10/14/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	10/14/2009	Aquatic Toxicity	2713000	cells/ml	
E	Bromide	10/14/2009	General Chemistry	0.021	mg/L	1
E	Dissolved Organic Carbon	10/14/2009	General Chemistry	27	mg/L	0.5
E	E. coli	10/14/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	10/14/2009	General Chemistry	35	mg/L	0.5
E	Dissolved Solids	10/14/2009	General Chemistry	280	mg/L	40
E	Hardness as CaCO3	10/14/2009	General Chemistry	160	mg/L	20
E	Suspended Solids	10/14/2009	General Chemistry	970	mg/L	6
E	Turbidity	10/14/2009	General Chemistry	800	NTU	2
E	Arsenic	10/14/2009	General Chemistry	11	µg/L	0.5
E	Boron	10/14/2009	General Chemistry	620	µg/L	10
E	Cadmium	10/14/2009	General Chemistry	0.28	µg/L	0.1
E	Cadmium (dissolved)	10/14/2009	General Chemistry	0.07	µg/L	0.1
E	Copper	10/14/2009	General Chemistry	55	µg/L	0.5
E	Copper (dissolved)	10/14/2009	General Chemistry	18	µg/L	0.5
E	Lead	10/14/2009	General Chemistry	13	µg/L	0.25
E	Lead (dissolved)	10/14/2009	General Chemistry	0.08	µg/L	0.25
E	Nickel	10/14/2009	General Chemistry	74	µg/L	0.5
E	Nickel (dissolved)	10/14/2009	General Chemistry	6.5	µg/L	0.5
E	Selenium	10/14/2009	General Chemistry	0.41	µg/L	1
E	Zinc	10/14/2009	General Chemistry	130	µg/L	1
E	Zinc (dissolved)	10/14/2009	General Chemistry	15	µg/L	1
E	Ammonia as N	10/14/2009	General Chemistry	0.31	mg/L	0.1
E	Nitrate + Nitrite as N	10/14/2009	General Chemistry	5.1	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/14/2009	General Chemistry	5.5	mg/L	0.1
E	OrthoPhosphate as P	10/14/2009	General Chemistry	0.97	mg/L	0.05
E	Phosphate as P	10/14/2009	General Chemistry	1.7	mg/L	0.01
E	Diuron	10/14/2009	Pesticide	0.52	µg/L	0.4
E	Prowl	10/14/2009	Pesticide	0.30	µg/L	0.1
E	Simazine	10/14/2009	Pesticide	0.32	µg/L	0.5
E	Endrin	10/14/2009	Pesticide	0.033	µg/L	0.01

E	Chlordane, gamma-	10/14/2009	Pesticide	0.015	µg/L	0.01
E	DDE(p,p')	10/14/2009	Pesticide	0.043	µg/L	0.01
E	DDT(p,p')	10/14/2009	Pesticide	0.013	µg/L	0.01
E	Chlorpyrifos	10/14/2009	Pesticide	0.078	µg/L	0.015
E	Malathion	10/14/2009	Pesticide	0.073	µg/L	0.10

Monitoring Site: **Hospital Creek at River Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/25/2010	Aquatic Toxicity	0	%	
E	Pimephales promelas	1/25/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/25/2010	Aquatic Toxicity	2455000	cells/ml	
E	Bromide	1/25/2010	General Chemistry	0.01	mg/L	1
E	Dissolved Organic Carbon	1/25/2010	General Chemistry	11	mg/L	0.5
E	E. coli	1/25/2010	General Chemistry	730	MPN/100 mL	1
E	Total Organic Carbon	1/25/2010	General Chemistry	11	mg/L	0.5
E	Dissolved Solids	1/25/2010	General Chemistry	300	mg/L	20
E	Hardness as CaCO3	1/25/2010	General Chemistry	150	mg/L	20
E	Suspended Solids	1/25/2010	General Chemistry	50	mg/L	6
E	Turbidity	1/25/2010	General Chemistry	180	NTU	1
E	Arsenic	1/25/2010	General Chemistry	4.1	µg/L	0.5
E	Boron	1/25/2010	General Chemistry	450	µg/L	10
E	Cadmium	1/25/2010	General Chemistry	0.06	µg/L	0.1
E	Cadmium (dissolved)	1/25/2010	General Chemistry	0.02	µg/L	0.1
E	Copper	1/25/2010	General Chemistry	15	µg/L	0.5
E	Copper (dissolved)	1/25/2010	General Chemistry	3.8	µg/L	0.5
E	Lead	1/25/2010	General Chemistry	4.2	µg/L	0.25
E	Lead (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/25/2010	General Chemistry	18	µg/L	0.5
E	Nickel (dissolved)	1/25/2010	General Chemistry	1.8	µg/L	0.5
E	Selenium	1/25/2010	General Chemistry	0.55	µg/L	1
E	Zinc	1/25/2010	General Chemistry	31	µg/L	1
E	Zinc (dissolved)	1/25/2010	General Chemistry	3.1	µg/L	1
E	Ammonia as N	1/25/2010	General Chemistry	0.13	mg/L	0.1
E	Nitrate + Nitrite as N	1/25/2010	General Chemistry	1.2	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/25/2010	General Chemistry	1.3	mg/L	0.1
E	OrthoPhosphate as P	1/25/2010	General Chemistry	0.23	mg/L	0.01
E	Phosphate as P	1/25/2010	General Chemistry	0.35	mg/L	0.01

E	Diuron	1/25/2010	Pesticide	5.1	µg/L	2.0
E	Prowl	1/25/2010	Pesticide	0.22	µg/L	0.1
E	Simazine	1/25/2010	Pesticide	0.16	µg/L	0.5
E	Endrin	1/25/2010	Pesticide	0.009	µg/L	0.01
E	DDE(p,p')	1/25/2010	Pesticide	0.014	µg/L	0.01
E	Chlorpyrifos	1/25/2010	Pesticide	0.22	µg/L	0.015

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Endosulfan I	9/14/2009	Pesticide	ND	mg/kg	0.0088
E	Endosulfan II	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	Endosulfan sulfate	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	Endrin	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	Methoxychlor	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	4,4'-DDD	9/14/2009	Pesticide	0.0098	mg/kg	0.0044
E	4,4'-DDE	9/14/2009	Pesticide	0.096	mg/kg	0.0088
E	4,4'-DDT	9/14/2009	Pesticide	0.015	mg/kg	0.0044
E	Aldrin	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	alpha-BHC	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	beta-BHC	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	Chlordane	9/14/2009	Pesticide	ND	mg/kg	0.0088
E	Dieldrin	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	Heptachlor	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	Heptachlor epoxide	9/14/2009	Pesticide	ND	mg/kg	0.0044
E	Toxaphene	9/14/2009	Pesticide	ND	mg/kg	0.15
E	Cypermethrin	9/14/2009	Pesticide	0.27	ug/kg	0.49
E	Permethrin	9/14/2009	Pesticide	74	ug/kg	0.49
E	Allethrin	9/14/2009	Sediment Pesticide	ND	ug/kg	0.49
E	Bifenthrin (Biphenthrin)	9/14/2009	Sediment Pesticide	6.5	ug/kg	0.49
E	Chlorpyrifos (Dursban)	9/14/2009	Sediment Pesticide	1.7	ug/kg	0.49
E	Cyfluthrin (Baythroid)	9/14/2009	Sediment Pesticide	ND	ug/kg	0.49
E	Cypermethrin	9/14/2009	Sediment Pesticide	0.27	ug/kg	0.49
E	Deltamethrin:Tralomethrin	9/14/2009	Sediment Pesticide	ND	ug/kg	0.49
E	Esfenvalerate:Fenvalerate	9/14/2009	Sediment Pesticide	3.9	ug/kg	0.49
E	Fenpropathrin (Danitol)	9/14/2009	Sediment Pesticide	ND	ug/kg	0.49
E	gamma-BHC (Lindane)	9/14/2009	Sediment Pesticide	ND	mg/kg	0.0088
E	Permethrin	9/14/2009	Sediment Pesticide	74	ug/kg	0.49

E	Hyalella azteca	9/14/2009	Sediment Toxicity	0	%	

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	1.1	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	10	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	10	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	1000	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	420	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	440	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	200	NTU	0.5
E	Ammonia as N	9/15/2009	General Chemistry	0.65	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	4.5	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	2.7	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.77	mg/L	0.02
E	Phosphate as P	9/15/2009	General Chemistry	1.4	mg/L	0.01

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/14/2009	Aquatic Toxicity	95	%	
FD	Ceriodaphnia dubia	10/14/2009	Aquatic Toxicity	95	%	
E	Pimephales promelas	10/14/2009	Aquatic Toxicity	100	%	
FD	Pimephales promelas	10/14/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	10/14/2009	Aquatic Toxicity	2853000	cells/ml	
FD	Selenastrum capricornutum	10/14/2009	Aquatic Toxicity	2620000	cells/ml	
E	Bromide	10/14/2009	General Chemistry	ND	mg/L	1
FD	Bromide	10/14/2009	General Chemistry	0.041	mg/L	1
E	Dissolved Organic Carbon	10/14/2009	General Chemistry	21	mg/L	0.5
FB	Dissolved Organic Carbon	10/14/2009	General Chemistry	0.46	mg/L	0.5
FD	Dissolved Organic Carbon	10/14/2009	General Chemistry	21	mg/L	0.5
E	E. coli	10/14/2009	General Chemistry	2400	MPN/100 mL	1
FB	E. coli	10/14/2009	General Chemistry	ND	MPN/100 mL	1
FD	E. coli	10/14/2009	General Chemistry	ND	MPN/100 mL	1
E	Total Organic Carbon	10/14/2009	General Chemistry	21	mg/L	0.5
FB	Total Organic Carbon	10/14/2009	General Chemistry	0.37	mg/L	0.5

FD	Total Organic Carbon	10/14/2009	General Chemistry	19	mg/L	0.5
E	Dissolved Solids	10/14/2009	General Chemistry	730	mg/L	20
FD	Dissolved Solids	10/14/2009	General Chemistry	750	mg/L	20
E	Hardness as CaCO3	10/14/2009	General Chemistry	410	mg/L	20
FB	Hardness as CaCO3	10/14/2009	General Chemistry	ND	mg/L	5
FD	Hardness as CaCO3	10/14/2009	General Chemistry	560	mg/L	20
E	Suspended Solids	10/14/2009	General Chemistry	93	mg/L	3
FD	Suspended Solids	10/14/2009	General Chemistry	200	mg/L	6
E	Turbidity	10/14/2009	General Chemistry	130	NTU	0.5
FD	Turbidity	10/14/2009	General Chemistry	150	NTU	0.5
E	Arsenic	10/14/2009	General Chemistry	11	µg/L	0.5
FB	Arsenic	10/14/2009	General Chemistry	0.008	µg/L	0.5
FD	Arsenic	10/14/2009	General Chemistry	11	µg/L	0.5
E	Boron	10/14/2009	General Chemistry	480	µg/L	10
FB	Boron	10/14/2009	General Chemistry	1.8	µg/L	10
FD	Boron	10/14/2009	General Chemistry	510	µg/L	10
E	Cadmium	10/14/2009	General Chemistry	0.14	µg/L	0.1
FB	Cadmium	10/14/2009	General Chemistry	ND	µg/L	0.1
FD	Cadmium	10/14/2009	General Chemistry	0.14	µg/L	0.1
E	Cadmium (dissolved)	10/14/2009	General Chemistry	0.1	µg/L	0.1
FD	Cadmium (dissolved)	10/14/2009	General Chemistry	0.08	µg/L	0.1
E	Copper	10/14/2009	General Chemistry	30	µg/L	0.5
FB	Copper	10/14/2009	General Chemistry	0.44	µg/L	0.5
FD	Copper	10/14/2009	General Chemistry	31	µg/L	0.5
E	Copper (dissolved)	10/14/2009	General Chemistry	18	µg/L	0.5
FD	Copper (dissolved)	10/14/2009	General Chemistry	19	µg/L	0.5
E	Lead	10/14/2009	General Chemistry	3.2	µg/L	0.25
FB	Lead	10/14/2009	General Chemistry	ND	µg/L	0.25
FD	Lead	10/14/2009	General Chemistry	3.7	µg/L	0.25
E	Lead (dissolved)	10/14/2009	General Chemistry	0.16	µg/L	0.25
FD	Lead (dissolved)	10/14/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	10/14/2009	General Chemistry	25	µg/L	0.5
FB	Nickel	10/14/2009	General Chemistry	0.32	µg/L	0.5
FD	Nickel	10/14/2009	General Chemistry	28	µg/L	0.5
E	Nickel (dissolved)	10/14/2009	General Chemistry	13	µg/L	0.5
FD	Nickel (dissolved)	10/14/2009	General Chemistry	12	µg/L	0.5
E	Selenium	10/14/2009	General Chemistry	1.1	µg/L	1
FB	Selenium	10/14/2009	General Chemistry	ND	µg/L	1

FD	Selenium	10/14/2009	General Chemistry	0.82	µg/L	1
E	Zinc	10/14/2009	General Chemistry	54	µg/L	1
FB	Zinc	10/14/2009	General Chemistry	1.9	µg/L	1
FD	Zinc	10/14/2009	General Chemistry	68	µg/L	1
E	Zinc (dissolved)	10/14/2009	General Chemistry	22	µg/L	1
FD	Zinc (dissolved)	10/14/2009	General Chemistry	12	µg/L	1
E	Ammonia as N	10/14/2009	General Chemistry	0.89	mg/L	0.1
FB	Ammonia as N	10/14/2009	General Chemistry	ND	mg/L	0.1
FD	Ammonia as N	10/14/2009	General Chemistry	0.87	mg/L	0.1
E	Nitrate + Nitrite as N	10/14/2009	General Chemistry	14	mg/L	0.08
FB	Nitrate + Nitrite as N	10/14/2009	General Chemistry	0.1	mg/L	0.05
FD	Nitrate + Nitrite as N	10/14/2009	General Chemistry	5	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/14/2009	General Chemistry	4.1	mg/L	0.1
FB	Nitrogen, Total Kjeldahl	10/14/2009	General Chemistry	0.12	mg/L	0.1
FD	Nitrogen, Total Kjeldahl	10/14/2009	General Chemistry	5.9	mg/L	0.1
E	OrthoPhosphate as P	10/14/2009	General Chemistry	3	mg/L	0.1
FD	OrthoPhosphate as P	10/14/2009	General Chemistry	3	mg/L	0.1
E	Phosphate as P	10/14/2009	General Chemistry	3.2	mg/L	0.05
FB	Phosphate as P	10/14/2009	General Chemistry	0.011	mg/L	0.01
FD	Phosphate as P	10/14/2009	General Chemistry	3.2	mg/L	0.05
E	EPTC	10/14/2009	Pesticide	0.15	µg/L	0.1
FD	EPTC	10/14/2009	Pesticide	0.11	µg/L	0.1
E	Prowl	10/14/2009	Pesticide	0.30	µg/L	0.1
FD	Prowl	10/14/2009	Pesticide	0.31	µg/L	0.1
E	Simazine	10/14/2009	Pesticide	0.40	µg/L	0.5
FD	Simazine	10/14/2009	Pesticide	0.39	µg/L	0.5
E	Chlordane, gamma-	10/14/2009	Pesticide	0.026	µg/L	0.01
FD	Chlordane, gamma-	10/14/2009	Pesticide	0.028	µg/L	0.01
E	DDE(p,p')	10/14/2009	Pesticide	0.035	µg/L	0.01
FD	DDE(p,p')	10/14/2009	Pesticide	0.021	µg/L	0.01
E	Chlorpyrifos	10/14/2009	Pesticide	0.053	µg/L	0.015
FD	Chlorpyrifos	10/14/2009	Pesticide	0.06	µg/L	0.015
E	Dimethoate	10/14/2009	Pesticide	0.33	µg/L	0.10
FD	Dimethoate	10/14/2009	Pesticide	0.29	µg/L	0.10

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	11/10/2009	General Chemistry	1.4	mg/L	1
E	Dissolved Organic Carbon	11/10/2009	General Chemistry	8.6	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	210	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	8.4	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	1000	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	480	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	13	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	9.6	NTU	0.05
E	Ammonia as N	11/10/2009	General Chemistry	0.31	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	8.2	mg/L	0.2
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	1.7	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.84	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.93	mg/L	0.01

Monitoring Site: **Ingram Creek at River Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/25/2010	Aquatic Toxicity	100	%	
E	Pimephales promelas	1/25/2010	Aquatic Toxicity	97.5	%	
E	Selenastrum capricornutum	1/25/2010	Aquatic Toxicity	4855000	cells/ml	
E	Bromide	1/25/2010	General Chemistry	1.1	mg/L	1
E	Dissolved Organic Carbon	1/25/2010	General Chemistry	4.2	mg/L	0.5
E	E. coli	1/25/2010	General Chemistry	170	MPN/100 mL	1
E	Total Organic Carbon	1/25/2010	General Chemistry	4.5	mg/L	0.5
E	Dissolved Solids	1/25/2010	General Chemistry	1000	mg/L	10
E	Hardness as CaCO3	1/25/2010	General Chemistry	470	mg/L	20
E	Suspended Solids	1/25/2010	General Chemistry	32	mg/L	3
E	Turbidity	1/25/2010	General Chemistry	18	NTU	0.1
E	Arsenic	1/25/2010	General Chemistry	1.6	µg/L	0.5
E	Boron	1/25/2010	General Chemistry	1700	µg/L	10
E	Cadmium	1/25/2010	General Chemistry	0.03	µg/L	0.1
E	Cadmium (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/25/2010	General Chemistry	4.1	µg/L	0.5
E	Copper (dissolved)	1/25/2010	General Chemistry	1.4	µg/L	0.5

E	Lead	1/25/2010	General Chemistry	0.96	µg/L	0.25
E	Lead (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/25/2010	General Chemistry	6.2	µg/L	0.5
E	Nickel (dissolved)	1/25/2010	General Chemistry	2.9	µg/L	0.5
E	Selenium	1/25/2010	General Chemistry	1.4	µg/L	1
E	Zinc	1/25/2010	General Chemistry	24	µg/L	1
E	Zinc (dissolved)	1/25/2010	General Chemistry	8.6	µg/L	1
E	Ammonia as N	1/25/2010	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	1/25/2010	General Chemistry	9.9	mg/L	0.2
E	Nitrogen, Total Kjeldahl	1/25/2010	General Chemistry	0.58	mg/L	0.1
E	OrthoPhosphate as P	1/25/2010	General Chemistry	0.1	mg/L	0.01
E	Phosphate as P	1/25/2010	General Chemistry	0.13	mg/L	0.01
E	Diuron	1/25/2010	Pesticide	0.86	µg/L	0.4
E	Prowl	1/25/2010	Pesticide	0.068	µg/L	0.1
E	DDE(p,p')	1/25/2010	Pesticide	0.0062	µg/L	0.01
E	Chlorpyrifos	1/25/2010	Pesticide	0.011	µg/L	0.015

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Hyalella azteca	9/14/2009	Sediment Toxicity	96.25	%	

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	1	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	4.7	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	290	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	4.8	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	840	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	390	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	21	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	6.2	NTU	0.05
E	Ammonia as N	9/15/2009	General Chemistry	0.088	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	1.6	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.98	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.13	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.27	mg/L	0.01

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Laboratory Data Summary by Site

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	10/13/2009	General Chemistry	0.29	mg/L	1
E	Dissolved Organic Carbon	10/13/2009	General Chemistry	3	mg/L	0.5
E	E. coli	10/13/2009	General Chemistry	60	MPN/100 mL	1
E	Total Organic Carbon	10/13/2009	General Chemistry	3	mg/L	0.5
E	Dissolved Solids	10/13/2009	General Chemistry	400	mg/L	10
E	Hardness as CaCO3	10/13/2009	General Chemistry	170	mg/L	20
E	Suspended Solids	10/13/2009	General Chemistry	47	mg/L	3
E	Turbidity	10/13/2009	General Chemistry	28	NTU	0.1
E	Ammonia as N	10/13/2009	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	10/13/2009	General Chemistry	0.48	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	0.52	mg/L	0.1
E	OrthoPhosphate as P	10/13/2009	General Chemistry	0.04	mg/L	0.01
E	Phosphate as P	10/13/2009	General Chemistry	0.16	mg/L	0.01

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	11/10/2009	General Chemistry	0.43	mg/L	1
E	Dissolved Organic Carbon	11/10/2009	General Chemistry	3.3	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	93	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	3.2	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	320	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	170	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	16	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	15	NTU	0.05
E	Ammonia as N	11/10/2009	General Chemistry	0.11	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	1.1	mg/L	0.05
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	0.8	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.045	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.12	mg/L	0.01

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/8/2009	Aquatic Toxicity	100	%	

E	Pimephales promelas	12/8/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/8/2009	Aquatic Toxicity	3385000	cells/ml	
E	Bromide	12/8/2009	General Chemistry	0.36	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	4.5	mg/L	0.5
E	E. coli	12/8/2009	General Chemistry	2	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	4.4	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	1200	mg/L	10
E	Hardness as CaCO3	12/8/2009	General Chemistry	470	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	38	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	6.3	NTU	0.05
E	Arsenic	12/8/2009	General Chemistry	6.3	µg/L	0.5
E	Boron	12/8/2009	General Chemistry	1700	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.1
E	Copper	12/8/2009	General Chemistry	1.7	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.86	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	0.15	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	12/8/2009	General Chemistry	3	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	1.9	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	2.5	µg/L	1
E	Zinc	12/8/2009	General Chemistry	2.1	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	0.8	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	0.14	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	4.1	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	1	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.014	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.075	mg/L	0.01

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	1/12/2010	General Chemistry	0.32	mg/L	1
E	Dissolved Organic Carbon	1/12/2010	General Chemistry	3.8	mg/L	0.5
E	E. coli	1/12/2010	General Chemistry	7.4	MPN/100 mL	1
E	Total Organic Carbon	1/12/2010	General Chemistry	3.9	mg/L	0.5
E	Dissolved Solids	1/12/2010	General Chemistry	810	mg/L	20
E	Hardness as CaCO3	1/12/2010	General Chemistry	330	mg/L	20

E	Suspended Solids	1/12/2010	General Chemistry	190	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	46	NTU	0.5
E	Ammonia as N	1/12/2010	General Chemistry	0.25	mg/L	0.1
E	Nitrate + Nitrite as N	1/12/2010	General Chemistry	1.6	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	1.3	mg/L	0.1
E	OrthoPhosphate as P	1/12/2010	General Chemistry	0.044	mg/L	0.01
E	Phosphate as P	1/12/2010	General Chemistry	0.11	mg/L	0.01

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	4907000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	1.2	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	6.8	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	120	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	7	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	1300	mg/L	10
E	Hardness as CaCO3	1/21/2010	General Chemistry	420	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	41	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	19	NTU	0.1
E	Arsenic	1/21/2010	General Chemistry	7.5	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	1800	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.03	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	4.8	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	2.3	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	0.62	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	7.2	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	2.7	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	3	µg/L	1
E	Zinc	1/21/2010	General Chemistry	6.7	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	1.3	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	0.29	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	7.7	mg/L	0.2
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	1.3	mg/L	0.1

E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.13	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.25	mg/L	0.01

Monitoring Site: **Los Banos Creek at China Camp Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	2/9/2010	General Chemistry	1.1	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	10	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	2000	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	13	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	1300	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	500	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	29	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	18	NTU	0.1
E	Ammonia as N	2/9/2010	General Chemistry	0.75	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	4.5	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	2.5	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.88	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.92	mg/L	0.01

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	9/15/2009	Aquatic Toxicity	75	%	
E	Bromide	9/15/2009	General Chemistry	0.66	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	6.5	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	7.5	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	490	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	220	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	46	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	35	NTU	0.1
E	Ammonia as N	9/15/2009	General Chemistry	0.15	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	ND	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	1.1	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.16	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.49	mg/L	0.01

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/13/2009	Aquatic Toxicity	80	%	
E	Bromide	10/13/2009	General Chemistry	0.56	mg/L	1
E	Dissolved Organic Carbon	10/13/2009	General Chemistry	13	mg/L	0.5
E	E. coli	10/13/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	10/13/2009	General Chemistry	12	mg/L	0.5
E	Dissolved Solids	10/13/2009	General Chemistry	440	mg/L	20
E	Hardness as CaCO3	10/13/2009	General Chemistry	200	mg/L	20
E	Suspended Solids	10/13/2009	General Chemistry	110	mg/L	3
E	Turbidity	10/13/2009	General Chemistry	63	NTU	0.2
E	Ammonia as N	10/13/2009	General Chemistry	0.24	mg/L	0.1
E	Nitrate + Nitrite as N	10/13/2009	General Chemistry	0.038	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	2	mg/L	0.1
E	OrthoPhosphate as P	10/13/2009	General Chemistry	0.37	mg/L	0.01
E	Phosphate as P	10/13/2009	General Chemistry	0.72	mg/L	0.01

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	11/10/2009	Aquatic Toxicity	90	%	
E	Bromide	11/10/2009	General Chemistry	0.79	mg/L	1
E	Dissolved Organic Carbon	11/10/2009	General Chemistry	9.6	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	120	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	9.6	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	770	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	410	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	29	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	18	NTU	0.05
E	Ammonia as N	11/10/2009	General Chemistry	0.34	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	0.3	mg/L	0.05
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	1.8	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.4	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.6	mg/L	0.01

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/8/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	12/8/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/8/2009	Aquatic Toxicity	2493000	cells/ml	
E	Bromide	12/8/2009	General Chemistry	0.39	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	12	mg/L	0.5
E	E. coli	12/8/2009	General Chemistry	96	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	12	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	780	mg/L	10
E	Hardness as CaCO3	12/8/2009	General Chemistry	320	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	27	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	12	NTU	0.1
E	Arsenic	12/8/2009	General Chemistry	3.3	µg/L	0.5
E	Boron	12/8/2009	General Chemistry	870	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	0.01	µg/L	0.1
E	Copper	12/8/2009	General Chemistry	1.9	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.8	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	0.27	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	12/8/2009	General Chemistry	4.1	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	3.1	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	0.31	µg/L	1
E	Zinc	12/8/2009	General Chemistry	1.9	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	0.16	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	0.49	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	1.7	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.22	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.34	mg/L	0.01

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/12/2010	Aquatic Toxicity	18.33	%	

E	Bromide	1/12/2010	General Chemistry	0.91	mg/L	1
E	Dissolved Organic Carbon	1/12/2010	General Chemistry	21	mg/L	0.5
E	E. coli	1/12/2010	General Chemistry	980	MPN/100 mL	1
E	Total Organic Carbon	1/12/2010	General Chemistry	21	mg/L	0.5
E	Dissolved Solids	1/12/2010	General Chemistry	890	mg/L	10
E	Hardness as CaCO3	1/12/2010	General Chemistry	350	mg/L	20
E	Suspended Solids	1/12/2010	General Chemistry	13	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	12	NTU	0.1
E	Ammonia as N	1/12/2010	General Chemistry	0.22	mg/L	0.1
E	Nitrate + Nitrite as N	1/12/2010	General Chemistry	0.36	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	1.6	mg/L	0.1
E	OrthoPhosphate as P	1/12/2010	General Chemistry	0.26	mg/L	0.01
E	Phosphate as P	1/12/2010	General Chemistry	0.4	mg/L	0.01
E	Diuron	1/12/2010	Pesticide	0.35	µg/L	0.4

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	100	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	97.5	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	4090000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	0.53	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	12	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	13	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	600	mg/L	20
E	Hardness as CaCO3	1/21/2010	General Chemistry	290	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	110	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	ND	NTU	0.05
E	Arsenic	1/21/2010	General Chemistry	4.4	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	640	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.03	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	11	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	1.4	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	3.9	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	32	µg/L	0.5

E	Nickel (dissolved)	1/21/2010	General Chemistry	3.4	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.34	µg/L	1
E	Zinc	1/21/2010	General Chemistry	21	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	ND	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	0.19	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	0.51	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	2	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.15	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.34	mg/L	0.01
E	Diuron	1/21/2010	Pesticide	0.20	µg/L	0.4

Monitoring Site: **Los Banos Creek at Hwy 140**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	2/9/2010	Aquatic Toxicity	100	%	
E	Bromide	2/9/2010	General Chemistry	1.3	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	14	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	110	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	14	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	1300	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	450	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	58	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	39	NTU	0.2
E	Ammonia as N	2/9/2010	General Chemistry	0.42	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.41	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	2.1	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.47	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.72	mg/L	0.01

Monitoring Site: **Marshall Road Drain near River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	0.4	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	3.9	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	8.6	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	3.9	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	570	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	230	mg/L	20

E	Suspended Solids	9/15/2009	General Chemistry	19	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	9.3	NTU	0.05
E	Ammonia as N	9/15/2009	General Chemistry	0.066	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	3.6	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.7	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.27	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.31	mg/L	0.01

Monitoring Site: **Marshall Road Drain near River Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/14/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	10/14/2009	Aquatic Toxicity	95	%	
E	Selenastrum capricornutum	10/14/2009	Aquatic Toxicity	3823000	cells/ml	
E	Bromide	10/14/2009	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	10/14/2009	General Chemistry	9.7	mg/L	0.5
E	E. coli	10/14/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	10/14/2009	General Chemistry	9.5	mg/L	0.5
E	Dissolved Solids	10/14/2009	General Chemistry	580	mg/L	40
E	Hardness as CaCO3	10/14/2009	General Chemistry	230	mg/L	20
E	Suspended Solids	10/14/2009	General Chemistry	1400	mg/L	10
E	Turbidity	10/14/2009	General Chemistry	1600	NTU	5
E	Arsenic	10/14/2009	General Chemistry	10	µg/L	0.5
E	Boron	10/14/2009	General Chemistry	150	µg/L	10
E	Cadmium	10/14/2009	General Chemistry	0.73	µg/L	0.1
E	Cadmium (dissolved)	10/14/2009	General Chemistry	0.03	µg/L	0.1
E	Copper	10/14/2009	General Chemistry	70	µg/L	0.5
E	Copper (dissolved)	10/14/2009	General Chemistry	6	µg/L	0.5
E	Lead	10/14/2009	General Chemistry	29	µg/L	0.25
E	Lead (dissolved)	10/14/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	10/14/2009	General Chemistry	89	µg/L	0.5
E	Nickel (dissolved)	10/14/2009	General Chemistry	4.6	µg/L	0.5
E	Selenium	10/14/2009	General Chemistry	0.6	µg/L	1
E	Zinc	10/14/2009	General Chemistry	210	µg/L	1
E	Zinc (dissolved)	10/14/2009	General Chemistry	1.9	µg/L	1
E	Ammonia as N	10/14/2009	General Chemistry	0.68	mg/L	0.1
E	Nitrate + Nitrite as N	10/14/2009	General Chemistry	2.8	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/14/2009	General Chemistry	5.3	mg/L	0.1

E	OrthoPhosphate as P	10/14/2009	General Chemistry	0.47	mg/L	0.01
E	Phosphate as P	10/14/2009	General Chemistry	1.4	mg/L	0.01
E	Diuron	10/14/2009	Pesticide	0.24	µg/L	0.4
E	Chlordane, gamma-	10/14/2009	Pesticide	0.031	µg/L	0.01
E	DDE(p,p')	10/14/2009	Pesticide	0.047	µg/L	0.01
E	DDT(p,p')	10/14/2009	Pesticide	0.047	µg/L	0.01
E	Chlorpyrifos	10/14/2009	Pesticide	0.091	µg/L	0.015
E	Dimethoate	10/14/2009	Pesticide	0.53	µg/L	0.10

Monitoring Site: **Marshall Road Drain near River Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/25/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/25/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/25/2010	Aquatic Toxicity	1097000	cells/ml	
E	Bromide	1/25/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	1/25/2010	General Chemistry	6.1	mg/L	0.5
E	E. coli	1/25/2010	General Chemistry	190	MPN/100 mL	1
E	Total Organic Carbon	1/25/2010	General Chemistry	4.8	mg/L	0.5
E	Dissolved Solids	1/25/2010	General Chemistry	470	mg/L	20
E	Hardness as CaCO3	1/25/2010	General Chemistry	95	mg/L	20
E	Suspended Solids	1/25/2010	General Chemistry	110	mg/L	6
E	Turbidity	1/25/2010	General Chemistry	470	NTU	2
E	Arsenic	1/25/2010	General Chemistry	5.2	µg/L	0.5
E	Boron	1/25/2010	General Chemistry	110	µg/L	10
E	Cadmium	1/25/2010	General Chemistry	0.17	µg/L	0.1
E	Cadmium (dissolved)	1/25/2010	General Chemistry	0.01	µg/L	0.1
E	Copper	1/25/2010	General Chemistry	21	µg/L	0.5
E	Copper (dissolved)	1/25/2010	General Chemistry	2.7	µg/L	0.5
E	Lead	1/25/2010	General Chemistry	12	µg/L	0.25
E	Lead (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/25/2010	General Chemistry	28	µg/L	0.5
E	Nickel (dissolved)	1/25/2010	General Chemistry	3	µg/L	0.5
E	Selenium	1/25/2010	General Chemistry	0.44	µg/L	1
E	Zinc	1/25/2010	General Chemistry	84	µg/L	1
E	Zinc (dissolved)	1/25/2010	General Chemistry	5.5	µg/L	1
E	Ammonia as N	1/25/2010	General Chemistry	0.099	mg/L	0.1
E	Nitrate + Nitrite as N	1/25/2010	General Chemistry	8.8	mg/L	0.2

E	Nitrogen, Total Kjeldahl	1/25/2010	General Chemistry	1.3	mg/L	0.1
E	OrthoPhosphate as P	1/25/2010	General Chemistry	0.36	mg/L	0.01
E	Phosphate as P	1/25/2010	General Chemistry	0.65	mg/L	0.01
E	Diuron	1/25/2010	Pesticide	3.5	µg/L	0.4
E	Prowl	1/25/2010	Pesticide	0.12	µg/L	0.1
E	Simazine	1/25/2010	Pesticide	0.35	µg/L	0.5
E	DDE(p,p')	1/25/2010	Pesticide	0.028	µg/L	0.01
E	DDT(p,p')	1/25/2010	Pesticide	0.016	µg/L	0.01
E	Dieldrin	1/25/2010	Pesticide	0.0052	µg/L	0.01

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	9/15/2009	Aquatic Toxicity	95	%	
E	Bromide	9/15/2009	General Chemistry	0.74	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	7.7	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	100	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	7.5	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	530	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	320	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	57	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	24	NTU	0.1
E	Ammonia as N	9/15/2009	General Chemistry	0.077	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	0.073	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.99	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.13	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.32	mg/L	0.01

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/13/2009	Aquatic Toxicity	95	%	
E	Bromide	10/13/2009	General Chemistry	0.76	mg/L	1
E	Dissolved Organic Carbon	10/13/2009	General Chemistry	9.9	mg/L	0.5
E	E. coli	10/13/2009	General Chemistry	390	MPN/100 mL	1
E	Total Organic Carbon	10/13/2009	General Chemistry	10	mg/L	0.5
E	Dissolved Solids	10/13/2009	General Chemistry	570	mg/L	10
E	Hardness as CaCO3	10/13/2009	General Chemistry	240	mg/L	20

E	Suspended Solids	10/13/2009	General Chemistry	50	mg/L	3
E	Turbidity	10/13/2009	General Chemistry	24	NTU	0.1
E	Ammonia as N	10/13/2009	General Chemistry	0.19	mg/L	0.1
E	Nitrate + Nitrite as N	10/13/2009	General Chemistry	0.19	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	1.7	mg/L	0.1
E	OrthoPhosphate as P	10/13/2009	General Chemistry	0.25	mg/L	0.01
E	Phosphate as P	10/13/2009	General Chemistry	0.54	mg/L	0.01

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	11/10/2009	Aquatic Toxicity	65	%	
E	Bromide	11/10/2009	General Chemistry	1.2	mg/L	1
E	Dissolved Organic Carbon	11/10/2009	General Chemistry	13	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	88	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	13	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	1100	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	520	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	230	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	25	NTU	0.2
E	Ammonia as N	11/10/2009	General Chemistry	0.3	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	0.047	mg/L	0.05
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	2	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.22	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.61	mg/L	0.01

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	12/8/2009	General Chemistry	0.64	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	11	mg/L	0.5
E	E. coli	12/8/2009	General Chemistry	74	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	11	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	1200	mg/L	10
E	Hardness as CaCO3	12/8/2009	General Chemistry	430	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	9	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	6	NTU	0.05
E	Arsenic	12/8/2009	General Chemistry	4.2	µg/L	0.5

E	Boron	12/8/2009	General Chemistry	1500	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	0.01	µg/L	0.1
E	Copper	12/8/2009	General Chemistry	1.3	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.84	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	0.247	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	12/8/2009	General Chemistry	4.1	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	3.1	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	0.26	µg/L	1
E	Zinc	12/8/2009	General Chemistry	1.7	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	0.088	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	ND	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	1.4	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.15	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.24	mg/L	0.01

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/9/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	12/9/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/9/2009	Aquatic Toxicity	3843000	cells/ml	

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/12/2010	Aquatic Toxicity	95	%	
E	Bromide	1/12/2010	General Chemistry	0.7	mg/L	1
E	Dissolved Organic Carbon	1/12/2010	General Chemistry	10	mg/L	0.5
E	E. coli	1/12/2010	General Chemistry	43	MPN/100 mL	1
E	Total Organic Carbon	1/12/2010	General Chemistry	10	mg/L	0.5
E	Dissolved Solids	1/12/2010	General Chemistry	1500	mg/L	10
E	Hardness as CaCO3	1/12/2010	General Chemistry	470	mg/L	20
E	Suspended Solids	1/12/2010	General Chemistry	4	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	4.5	NTU	0.05
E	Ammonia as N	1/12/2010	General Chemistry	0.099	mg/L	0.1

E	Nitrate + Nitrite as N	1/12/2010	General Chemistry	ND	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	1.3	mg/L	0.1
E	OrthoPhosphate as P	1/12/2010	General Chemistry	0.11	mg/L	0.01
E	Phosphate as P	1/12/2010	General Chemistry	0.2	mg/L	0.01

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	100	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	3345000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	1.4	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	13	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	210	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	13	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	1200	mg/L	10
E	Hardness as CaCO3	1/21/2010	General Chemistry	390	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	25	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	20	NTU	0.1
E	Arsenic	1/21/2010	General Chemistry	4.1	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	1300	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	1.8	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	0.76	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	0.62	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	6.3	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	3.1	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.28	µg/L	1
E	Zinc	1/21/2010	General Chemistry	3.6	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	ND	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	0.15	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	0.092	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	1.4	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.15	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.22	mg/L	0.01

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Laboratory Data Summary by Site

Monitoring Site: **Mud Slough Upstream of San Luis Drain**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	2/9/2010	Aquatic Toxicity	100	%	
E	Bromide	2/9/2010	General Chemistry	1.3	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	12	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	130	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	12	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	1500	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	450	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	37	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	27	NTU	0.2
E	Ammonia as N	2/9/2010	General Chemistry	0.32	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.026	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	1.6	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.15	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.28	mg/L	0.01

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Hyalella azteca	9/14/2009	Sediment Toxicity	98.75	%	

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	0.36	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	7.7	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	87	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	7.9	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	760	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	390	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	18	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	9.5	NTU	0.05
E	Ammonia as N	9/15/2009	General Chemistry	0.15	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	0.5	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.66	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.083	mg/L	0.01

E	Phosphate as P	9/15/2009	General Chemistry	0.13	mg/L	0.01

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	10/13/2009	General Chemistry	0.4	mg/L	1
E	Dissolved Organic Carbon	10/13/2009	General Chemistry	4	mg/L	0.5
E	E. coli	10/13/2009	General Chemistry	1100	MPN/100 mL	1
E	Total Organic Carbon	10/13/2009	General Chemistry	4.4	mg/L	0.5
E	Dissolved Solids	10/13/2009	General Chemistry	1100	mg/L	10
E	Hardness as CaCO3	10/13/2009	General Chemistry	540	mg/L	20
E	Suspended Solids	10/13/2009	General Chemistry	120	mg/L	3
E	Turbidity	10/13/2009	General Chemistry	34	NTU	0.1
E	Ammonia as N	10/13/2009	General Chemistry	0.066	mg/L	0.1
E	Nitrate + Nitrite as N	10/13/2009	General Chemistry	1.1	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	0.82	mg/L	0.1
E	OrthoPhosphate as P	10/13/2009	General Chemistry	0.04	mg/L	0.01
E	Phosphate as P	10/13/2009	General Chemistry	0.19	mg/L	0.01

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	12/8/2009	General Chemistry	0.96	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	3.6	mg/L	0.5
E	E. coli	12/8/2009	General Chemistry	210	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	4.1	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	1100	mg/L	20
E	Hardness as CaCO3	12/8/2009	General Chemistry	540	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	1100	mg/L	6
E	Turbidity	12/8/2009	General Chemistry	380	NTU	2
E	Arsenic	12/8/2009	General Chemistry	2.7	µg/L	0.5
E	Boron	12/8/2009	General Chemistry	900	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.05	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.1
E	Copper	12/8/2009	General Chemistry	10	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.73	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	2.9	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25

E	Nickel	12/8/2009	General Chemistry	20	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	2.9	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	0.62	µg/L	1
E	Zinc	12/8/2009	General Chemistry	21	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	0.9	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	0.099	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	3	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	1.3	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.024	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.46	mg/L	0.01

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/9/2009	Aquatic Toxicity	95	%	
E	Pimephales promelas	12/9/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/9/2009	Aquatic Toxicity	3440000	cells/ml	
E	Diuron	12/9/2009	Pesticide	0.36	µg/L	0.4

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	1/12/2010	General Chemistry	0.27	mg/L	1
E	Dissolved Organic Carbon	1/12/2010	General Chemistry	11	mg/L	0.5
E	E. coli	1/12/2010	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	1/12/2010	General Chemistry	12	mg/L	0.5
E	Dissolved Solids	1/12/2010	General Chemistry	600	mg/L	20
E	Hardness as CaCO3	1/12/2010	General Chemistry	500	mg/L	20
E	Suspended Solids	1/12/2010	General Chemistry	480	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	240	NTU	2
E	Ammonia as N	1/12/2010	General Chemistry	0.72	mg/L	0.1
E	Nitrate + Nitrite as N	1/12/2010	General Chemistry	2.1	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	3.5	mg/L	0.1
E	OrthoPhosphate as P	1/12/2010	General Chemistry	0.29	mg/L	0.01
E	Phosphate as P	1/12/2010	General Chemistry	0.89	mg/L	0.01

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Laboratory Data Summary by Site

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	3458000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	0.066	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	5.6	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	5.5	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	630	mg/L	20
E	Hardness as CaCO3	1/21/2010	General Chemistry	190	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	290	mg/L	6
E	Turbidity	1/21/2010	General Chemistry	780	NTU	5
E	Arsenic	1/21/2010	General Chemistry	7.1	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	250	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.2	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	0.01	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	37	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	2.4	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	17	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	120	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	4.9	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.4	µg/L	1
E	Zinc	1/21/2010	General Chemistry	96	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	1.4	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	0.18	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	2.4	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	3.1	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.15	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.74	mg/L	0.01
E	Diuron	1/21/2010	Pesticide	1.5	µg/L	0.4
E	Simazine	1/21/2010	Pesticide	2.1	µg/L	0.5
E	DDE(p,p')	1/21/2010	Pesticide	0.011	µg/L	0.01
E	Methidathion	1/21/2010	Pesticide	0.23	µg/L	0.1

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Laboratory Data Summary by Site

Monitoring Site: **Newman Wasteway near Hills Ferry Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	2/9/2010	General Chemistry	0.85	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	5.2	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	650	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	5.3	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	910	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	480	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	190	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	80	NTU	0.5
E	Ammonia as N	2/9/2010	General Chemistry	0.18	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	1.7	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	1.1	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.2	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.3	mg/L	0.01

Monitoring Site: **Orestimba Creek at Hwy 33**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Hyalella azteca	9/14/2009	Sediment Toxicity	80	%	

Monitoring Site: **Orestimba Creek at Hwy 33**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/15/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	10/15/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	10/15/2009	Aquatic Toxicity	3885000	cells/ml	
E	Dissolved Organic Carbon	10/15/2009	General Chemistry	4.6	mg/L	0.5
E	E. coli	10/15/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	10/15/2009	General Chemistry	4.9	mg/L	0.5
E	Dissolved Solids	10/15/2009	General Chemistry	310	mg/L	10
E	Hardness as CaCO3	10/15/2009	General Chemistry	160	mg/L	20
E	Turbidity	10/15/2009	General Chemistry	52	NTU	0.2
E	Arsenic	10/15/2009	General Chemistry	2.6	µg/L	0.5
E	Boron	10/15/2009	General Chemistry	150	µg/L	10
E	Cadmium	10/15/2009	General Chemistry	0.05	µg/L	0.1
E	Cadmium (dissolved)	10/15/2009	General Chemistry	0.04	µg/L	0.1

E	Copper	10/15/2009	General Chemistry	9.3	µg/L	0.5
E	Copper (dissolved)	10/15/2009	General Chemistry	2.9	µg/L	0.5
E	Lead	10/15/2009	General Chemistry	1.7	µg/L	0.25
E	Nickel	10/15/2009	General Chemistry	9.7	µg/L	0.5
E	Nickel (dissolved)	10/15/2009	General Chemistry	3	µg/L	0.5
E	Selenium	10/15/2009	General Chemistry	0.26	µg/L	1
E	Zinc	10/15/2009	General Chemistry	22	µg/L	1
E	Zinc (dissolved)	10/15/2009	General Chemistry	5.3	µg/L	1
E	Ammonia as N	10/15/2009	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	10/15/2009	General Chemistry	2.1	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/15/2009	General Chemistry	1.2	mg/L	0.1
E	OrthoPhosphate as P	10/15/2009	General Chemistry	0.094	mg/L	0.01
E	Phosphate as P	10/15/2009	General Chemistry	0.33	mg/L	0.01
E	Prowl	10/15/2009	Pesticide	0.33	µg/L	0.1
E	DDE(p,p')	10/15/2009	Pesticide	0.0095	µg/L	0.01
E	Diazinon	10/15/2009	Pesticide	0.13	µg/L	0.02
E	Dimethoate	10/15/2009	Pesticide	0.44	µg/L	0.10
E	Methamidophos	10/15/2009	Pesticide	0.38	µg/L	0.2

Monitoring Site: **Orestimba Creek at Hwy 33**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/26/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/26/2010	Aquatic Toxicity	97.5	%	
E	Selenastrum capricornutum	1/26/2010	Aquatic Toxicity	4545000	cells/ml	
E	Bromide	1/26/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	1/26/2010	General Chemistry	4.9	mg/L	0.5
E	E. coli	1/26/2010	General Chemistry	93	MPN/100 mL	1
E	Total Organic Carbon	1/26/2010	General Chemistry	5	mg/L	0.5
E	Dissolved Solids	1/26/2010	General Chemistry	260	mg/L	20
E	Hardness as CaCO3	1/26/2010	General Chemistry	200	mg/L	20
E	Suspended Solids	1/26/2010	General Chemistry	2100	mg/L	6
E	Turbidity	1/26/2010	General Chemistry	60	NTU	0.5
E	Arsenic	1/26/2010	General Chemistry	0.95	µg/L	0.5
E	Boron	1/26/2010	General Chemistry	160	µg/L	10
E	Cadmium	1/26/2010	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	1/26/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/26/2010	General Chemistry	2.8	µg/L	0.5

E	Copper (dissolved)	1/26/2010	General Chemistry	0.96	µg/L	0.5
E	Lead	1/26/2010	General Chemistry	0.95	µg/L	0.25
E	Lead (dissolved)	1/26/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/26/2010	General Chemistry	6.7	µg/L	0.5
E	Nickel (dissolved)	1/26/2010	General Chemistry	1.9	µg/L	0.5
E	Selenium	1/26/2010	General Chemistry	0.3	µg/L	1
E	Zinc	1/26/2010	General Chemistry	16	µg/L	1
E	Zinc (dissolved)	1/26/2010	General Chemistry	9.2	µg/L	1
E	Ammonia as N	1/26/2010	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	1/26/2010	General Chemistry	2.9	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/26/2010	General Chemistry	0.57	mg/L	0.1
E	OrthoPhosphate as P	1/26/2010	General Chemistry	0.025	mg/L	0.01
E	Phosphate as P	1/26/2010	General Chemistry	0.065	mg/L	0.01

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Hyalella azteca	9/14/2009	Sediment Toxicity	87.5	%	

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	0.6	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	8.7	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	150	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	8.7	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	550	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	290	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	9	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	6.8	NTU	0.05
E	Ammonia as N	9/15/2009	General Chemistry	0.14	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	1.2	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	1.2	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.09	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.19	mg/L	0.01

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/15/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	10/15/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	10/15/2009	Aquatic Toxicity	3940000	cells/ml	
E	Dissolved Organic Carbon	10/15/2009	General Chemistry	5.4	mg/L	0.5
E	E. coli	10/15/2009	General Chemistry	2000	MPN/100 mL	1
E	Total Organic Carbon	10/15/2009	General Chemistry	5.4	mg/L	0.5
E	Dissolved Solids	10/15/2009	General Chemistry	370	mg/L	10
E	Hardness as CaCO3	10/15/2009	General Chemistry	190	mg/L	20
E	Turbidity	10/15/2009	General Chemistry	32	NTU	0.1
E	Arsenic	10/15/2009	General Chemistry	2.3	µg/L	0.5
E	Boron	10/15/2009	General Chemistry	210	µg/L	10
E	Cadmium	10/15/2009	General Chemistry	0.03	µg/L	0.1
E	Cadmium (dissolved)	10/15/2009	General Chemistry	ND	µg/L	0.1
E	Copper	10/15/2009	General Chemistry	7.1	µg/L	0.5
E	Copper (dissolved)	10/15/2009	General Chemistry	3.9	µg/L	0.5
E	Lead	10/15/2009	General Chemistry	1.1	µg/L	0.25
E	Nickel	10/15/2009	General Chemistry	8.6	µg/L	0.5
E	Nickel (dissolved)	10/15/2009	General Chemistry	3.5	µg/L	0.5
E	Selenium	10/15/2009	General Chemistry	0.39	µg/L	1
E	Zinc	10/15/2009	General Chemistry	27	µg/L	1
E	Zinc (dissolved)	10/15/2009	General Chemistry	4.3	µg/L	1
E	Ammonia as N	10/15/2009	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	10/15/2009	General Chemistry	0.93	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/15/2009	General Chemistry	1.1	mg/L	0.1
E	OrthoPhosphate as P	10/15/2009	General Chemistry	0.054	mg/L	0.01
E	Phosphate as P	10/15/2009	General Chemistry	0.21	mg/L	0.01
E	Prowl	10/15/2009	Pesticide	0.29	µg/L	0.1
E	Simazine	10/15/2009	Pesticide	0.40	µg/L	0.5
E	DDE(p,p')	10/15/2009	Pesticide	0.0082	µg/L	0.01

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	11/10/2009	General Chemistry	0.69	mg/L	1

E	Dissolved Organic Carbon	11/10/2009	General Chemistry	3.7	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	250	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	3.5	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	380	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	190	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	40	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	36	NTU	0.2
E	Ammonia as N	11/10/2009	General Chemistry	0.8	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	3.8	mg/L	0.05
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	1.3	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.037	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.086	mg/L	0.01

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/26/2010	Aquatic Toxicity	100	%	
E	Pimephales promelas	1/26/2010	Aquatic Toxicity	97.5	%	
E	Selenastrum capricornutum	1/26/2010	Aquatic Toxicity	4290000	cells/ml	
E	Bromide	1/26/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	1/26/2010	General Chemistry	4.8	mg/L	0.5
E	E. coli	1/26/2010	General Chemistry	86	MPN/100 mL	1
E	Total Organic Carbon	1/26/2010	General Chemistry	4.8	mg/L	0.5
E	Dissolved Solids	1/26/2010	General Chemistry	260	mg/L	20
E	Hardness as CaCO3	1/26/2010	General Chemistry	200	mg/L	20
E	Suspended Solids	1/26/2010	General Chemistry	2400	mg/L	6
E	Turbidity	1/26/2010	General Chemistry	180	NTU	1
E	Arsenic	1/26/2010	General Chemistry	1	µg/L	0.5
E	Boron	1/26/2010	General Chemistry	170	µg/L	10
E	Cadmium	1/26/2010	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	1/26/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/26/2010	General Chemistry	3.5	µg/L	0.5
E	Copper (dissolved)	1/26/2010	General Chemistry	0.98	µg/L	0.5
E	Lead	1/26/2010	General Chemistry	0.94	µg/L	0.25
E	Lead (dissolved)	1/26/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/26/2010	General Chemistry	7.3	µg/L	0.5
E	Nickel (dissolved)	1/26/2010	General Chemistry	1.8	µg/L	0.5
E	Selenium	1/26/2010	General Chemistry	0.33	µg/L	1

E	Zinc	1/26/2010	General Chemistry	25	µg/L	1
E	Zinc (dissolved)	1/26/2010	General Chemistry	11	µg/L	1
E	Ammonia as N	1/26/2010	General Chemistry	0.077	mg/L	0.1
E	Nitrate + Nitrite as N	1/26/2010	General Chemistry	1.7	mg/L	0.08
E	Nitrogen, Total Kjeldahl	1/26/2010	General Chemistry	0.64	mg/L	0.1
E	OrthoPhosphate as P	1/26/2010	General Chemistry	0.03	mg/L	0.01
E	Phosphate as P	1/26/2010	General Chemistry	0.067	mg/L	0.01

Monitoring Site: **Orestimba Creek at River Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	2/9/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	3.2	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	19	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	3.4	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	340	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	260	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	6	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	15	NTU	0.1
E	Ammonia as N	2/9/2010	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.15	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	0.42	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	ND	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.033	mg/L	0.01

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	0.59	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	7.3	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	7	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	450	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	170	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	110	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	53	NTU	0.2
E	Ammonia as N	9/15/2009	General Chemistry	0.31	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	0.28	mg/L	0.05

E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	1.4	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.29	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.55	mg/L	0.01

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	10/13/2009	General Chemistry	0.65	mg/L	1
E	Dissolved Organic Carbon	10/13/2009	General Chemistry	2.9	mg/L	0.5
E	E. coli	10/13/2009	General Chemistry	490	MPN/100 mL	1
E	Total Organic Carbon	10/13/2009	General Chemistry	2.8	mg/L	0.5
E	Dissolved Solids	10/13/2009	General Chemistry	440	mg/L	20
E	Hardness as CaCO3	10/13/2009	General Chemistry	170	mg/L	20
E	Suspended Solids	10/13/2009	General Chemistry	230	mg/L	3
E	Turbidity	10/13/2009	General Chemistry	52	NTU	0.2
E	Ammonia as N	10/13/2009	General Chemistry	0.12	mg/L	0.1
E	Nitrate + Nitrite as N	10/13/2009	General Chemistry	0.069	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	0.94	mg/L	0.1
E	OrthoPhosphate as P	10/13/2009	General Chemistry	0.048	mg/L	0.01
E	Phosphate as P	10/13/2009	General Chemistry	0.19	mg/L	0.01

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	11/10/2009	General Chemistry	0.041	mg/L	1
E	Dissolved Organic Carbon	11/10/2009	General Chemistry	5.3	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	230	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	5.1	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	340	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	210	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	130	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	64	NTU	0.2
E	Ammonia as N	11/10/2009	General Chemistry	0.3	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	2.1	mg/L	0.05
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	2.3	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.14	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.3	mg/L	0.01

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	12/8/2009	General Chemistry	1.2	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	3.8	mg/L	0.5
E	E. coli	12/8/2009	General Chemistry	290	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	5.1	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	760	mg/L	20
E	Hardness as CaCO3	12/8/2009	General Chemistry	350	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	510	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	110	NTU	1
E	Arsenic	12/8/2009	General Chemistry	5.8	µg/L	0.5
E	Boron	12/8/2009	General Chemistry	340	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.16	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.1
E	Copper	12/8/2009	General Chemistry	13	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.73	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	5.1	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	12/8/2009	General Chemistry	17	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	2.3	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	0.28	µg/L	1
E	Zinc	12/8/2009	General Chemistry	42	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	0.18	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	0.2	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	2.4	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.05	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.86	mg/L	0.01

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/9/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	12/9/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/9/2009	Aquatic Toxicity	3378000	cells/ml	

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	1/12/2010	General Chemistry	0.67	mg/L	1
E	Dissolved Organic Carbon	1/12/2010	General Chemistry	3.2	mg/L	0.5
E	E. coli	1/12/2010	General Chemistry	68	MPN/100 mL	1
E	Total Organic Carbon	1/12/2010	General Chemistry	3.4	mg/L	0.5
E	Dissolved Solids	1/12/2010	General Chemistry	560	mg/L	10
E	Hardness as CaCO3	1/12/2010	General Chemistry	260	mg/L	20
E	Suspended Solids	1/12/2010	General Chemistry	52	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	47	NTU	0.05
E	Ammonia as N	1/12/2010	General Chemistry	0.18	mg/L	0.1
E	Nitrate + Nitrite as N	1/12/2010	General Chemistry	0.3	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	1.1	mg/L	0.1
E	OrthoPhosphate as P	1/12/2010	General Chemistry	0.029	mg/L	0.01
E	Phosphate as P	1/12/2010	General Chemistry	0.42	mg/L	0.01

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	0	cells/ml	
E	Bromide	1/21/2010	General Chemistry	0.66	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	3.9	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	120	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	3.6	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	620	mg/L	20
E	Hardness as CaCO3	1/21/2010	General Chemistry	280	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	160	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	120	NTU	
E	Arsenic	1/21/2010	General Chemistry	3.4	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	320	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.05	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	7.7	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	0.97	µg/L	0.5

E	Lead	1/21/2010	General Chemistry	3	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	12	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	1.9	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.62	µg/L	1
E	Zinc	1/21/2010	General Chemistry	23	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	ND	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	0.2	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	1.4	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	1.4	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.049	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.19	mg/L	0.01
E	Diuron	1/21/2010	Pesticide	38	µg/L	20.0
E	Prowl	1/21/2010	Pesticide	0.14	µg/L	0.1

Monitoring Site: **Poso Slough at Indiana Ave**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	2/9/2010	General Chemistry	0.86	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	3.6	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	550	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	3.7	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	560	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	240	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	35	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	35	NTU	0.2
E	Ammonia as N	2/9/2010	General Chemistry	0.16	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.92	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	1.3	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.06	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.17	mg/L	0.01

Monitoring Site: **Ramona Lake near Fig Avenue**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Hyalella azteca	9/14/2009	Sediment Toxicity	92.5	%	

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: Ramona Lake near Fig Avenue

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	1.4	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	6.9	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	38	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	8.7	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	1000	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	430	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	78	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	30	NTU	0.1
E	Ammonia as N	9/15/2009	General Chemistry	0.18	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	1.2	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	2.5	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	ND	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.3	mg/L	0.01

Monitoring Site: Ramona Lake near Fig Avenue

Sample Event: R8

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/14/2009	Aquatic Toxicity	40	%	
E	Pimephales promelas	10/14/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	10/14/2009	Aquatic Toxicity	1863000	cells/ml	
E	Bromide	10/14/2009	General Chemistry	1.2	mg/L	1
E	Dissolved Organic Carbon	10/14/2009	General Chemistry	7.3	mg/L	0.5
E	E. coli	10/14/2009	General Chemistry	410	MPN/100 mL	1
E	Total Organic Carbon	10/14/2009	General Chemistry	7.6	mg/L	0.5
E	Dissolved Solids	10/14/2009	General Chemistry	820	mg/L	10
E	Hardness as CaCO3	10/14/2009	General Chemistry	120	mg/L	20
E	Suspended Solids	10/14/2009	General Chemistry	86	mg/L	3
E	Turbidity	10/14/2009	General Chemistry	51	NTU	0.2
E	Arsenic	10/14/2009	General Chemistry	3.4	µg/L	0.5
E	Boron	10/14/2009	General Chemistry	690	µg/L	10
E	Cadmium	10/14/2009	General Chemistry	0.03	µg/L	0.1
E	Cadmium (dissolved)	10/14/2009	General Chemistry	ND	µg/L	0.1
E	Copper	10/14/2009	General Chemistry	3.8	µg/L	0.5
E	Copper (dissolved)	10/14/2009	General Chemistry	1.2	µg/L	0.5

E	Lead	10/14/2009	General Chemistry	1	µg/L	0.25
E	Lead (dissolved)	10/14/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	10/14/2009	General Chemistry	6.5	µg/L	0.5
E	Nickel (dissolved)	10/14/2009	General Chemistry	3	µg/L	0.5
E	Selenium	10/14/2009	General Chemistry	1	µg/L	1
E	Zinc	10/14/2009	General Chemistry	20	µg/L	1
E	Zinc (dissolved)	10/14/2009	General Chemistry	4.8	µg/L	1
E	Ammonia as N	10/14/2009	General Chemistry	0.19	mg/L	0.1
E	Nitrate + Nitrite as N	10/14/2009	General Chemistry	3.9	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/14/2009	General Chemistry	2.7	mg/L	0.1
E	OrthoPhosphate as P	10/14/2009	General Chemistry	ND	mg/L	0.01
E	Phosphate as P	10/14/2009	General Chemistry	0.18	mg/L	0.01

Monitoring Site: **Ramona Lake near Fig Avenue**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	12/8/2009	General Chemistry	0.76	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	6.8	mg/L	0.5
E	E. coli	12/8/2009	General Chemistry	5.1	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	7.4	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	930	mg/L	10
E	Hardness as CaCO3	12/8/2009	General Chemistry	410	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	22	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	8.5	NTU	0.05
E	Ammonia as N	12/8/2009	General Chemistry	0.37	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	0.89	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	1.8	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	ND	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.14	mg/L	0.01

Monitoring Site: **Ramona Lake near Fig Avenue**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/25/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/25/2010	Aquatic Toxicity	95	%	
E	Selenastrum capricornutum	1/25/2010	Aquatic Toxicity	3480000	cells/ml	
E	Bromide	1/25/2010	General Chemistry	0.024	mg/L	1
E	Dissolved Organic Carbon	1/25/2010	General Chemistry	5.6	mg/L	0.5

E	E. coli	1/25/2010	General Chemistry	190	MPN/100 mL	1
E	Total Organic Carbon	1/25/2010	General Chemistry	5.4	mg/L	0.5
E	Dissolved Solids	1/25/2010	General Chemistry	610	mg/L	20
E	Hardness as CaCO3	1/25/2010	General Chemistry	300	mg/L	20
E	Suspended Solids	1/25/2010	General Chemistry	300	mg/L	6
E	Turbidity	1/25/2010	General Chemistry	130	NTU	1
E	Arsenic	1/25/2010	General Chemistry	3.8	µg/L	0.5
E	Boron	1/25/2010	General Chemistry	430	µg/L	10
E	Cadmium	1/25/2010	General Chemistry	0.07	µg/L	0.1
E	Cadmium (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/25/2010	General Chemistry	13	µg/L	0.5
E	Copper (dissolved)	1/25/2010	General Chemistry	0.73	µg/L	0.5
E	Lead	1/25/2010	General Chemistry	8	µg/L	0.25
E	Lead (dissolved)	1/25/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/25/2010	General Chemistry	18	µg/L	0.5
E	Nickel (dissolved)	1/25/2010	General Chemistry	2.8	µg/L	0.5
E	Selenium	1/25/2010	General Chemistry	0.67	µg/L	1
E	Zinc	1/25/2010	General Chemistry	39	µg/L	1
E	Zinc (dissolved)	1/25/2010	General Chemistry	4.5	µg/L	1
E	Ammonia as N	1/25/2010	General Chemistry	0.23	mg/L	0.1
E	Nitrate + Nitrite as N	1/25/2010	General Chemistry	1.4	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/25/2010	General Chemistry	2.9	mg/L	0.1
E	OrthoPhosphate as P	1/25/2010	General Chemistry	ND	mg/L	0.01
E	Phosphate as P	1/25/2010	General Chemistry	0.17	mg/L	0.01

Monitoring Site: **Ramona Lake near Fig Avenue**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	2/9/2010	General Chemistry	0.03	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	6.6	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	22	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	7	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	860	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	400	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	110	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	100	NTU	1
E	Ammonia as N	2/9/2010	General Chemistry	0.15	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.42	mg/L	0.05

E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	2.4	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	ND	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.12	mg/L	0.01

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	9/15/2009	Aquatic Toxicity	95	%	
FD	Ceriodaphnia dubia	9/15/2009	Aquatic Toxicity	95	%	
E	Selenastrum capricornutum	9/15/2009	Aquatic Toxicity	4193000	cells/ml	
FD	Selenastrum capricornutum	9/15/2009	Aquatic Toxicity	3683000	cells/ml	
E	Bromide	9/15/2009	General Chemistry	0.85	mg/L	1
FB	Bromide	9/15/2009	General Chemistry	ND	mg/L	1
FD	Bromide	9/15/2009	General Chemistry	0.95	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	5	mg/L	0.5
FB	Dissolved Organic Carbon	9/15/2009	General Chemistry	0.34	mg/L	0.5
FD	Dissolved Organic Carbon	9/15/2009	General Chemistry	5.1	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	110	MPN/100 mL	1
FB	E. coli	9/15/2009	General Chemistry	ND	MPN/100 mL	1
FD	E. coli	9/15/2009	General Chemistry	71	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	5.1	mg/L	0.5
FB	Total Organic Carbon	9/15/2009	General Chemistry	0.36	mg/L	0.5
FD	Total Organic Carbon	9/15/2009	General Chemistry	4.8	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	640	mg/L	10
FB	Dissolved Solids	9/15/2009	General Chemistry	ND	mg/L	10
FD	Dissolved Solids	9/15/2009	General Chemistry	640	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	260	mg/L	20
FB	Hardness as CaCO3	9/15/2009	General Chemistry	ND	mg/L	5
FD	Hardness as CaCO3	9/15/2009	General Chemistry	290	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	37	mg/L	3
FB	Suspended Solids	9/15/2009	General Chemistry	ND	mg/L	3
FD	Suspended Solids	9/15/2009	General Chemistry	38	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	20	NTU	0.05
FB	Turbidity	9/15/2009	General Chemistry	0.15	NTU	0.05
FD	Turbidity	9/15/2009	General Chemistry	19	NTU	0.05
E	Boron	9/15/2009	General Chemistry	420	µg/L	10
FB	Boron	9/15/2009	General Chemistry	4.9	µg/L	10
FD	Boron	9/15/2009	General Chemistry	420	µg/L	10

E	Copper	9/15/2009	General Chemistry	2.2	µg/L	0.5
FB	Copper	9/15/2009	General Chemistry	0.18	µg/L	0.5
FD	Copper	9/15/2009	General Chemistry	2.1	µg/L	0.5
E	Copper (dissolved)	9/15/2009	General Chemistry	0.98	µg/L	0.5
FB	Copper (dissolved)	9/15/2009	General Chemistry	0.18	µg/L	0.5
FD	Copper (dissolved)	9/15/2009	General Chemistry	1	µg/L	0.5
E	Nickel	9/15/2009	General Chemistry	3.5	µg/L	0.5
FB	Nickel	9/15/2009	General Chemistry	ND	µg/L	0.5
FD	Nickel	9/15/2009	General Chemistry	3.2	µg/L	0.5
E	Nickel (dissolved)	9/15/2009	General Chemistry	1.7	µg/L	0.5
FB	Nickel (dissolved)	9/15/2009	General Chemistry	0.02	µg/L	0.5
FD	Nickel (dissolved)	9/15/2009	General Chemistry	1.7	µg/L	0.5
E	Zinc	9/15/2009	General Chemistry	3.5	µg/L	1
FB	Zinc	9/15/2009	General Chemistry	27	µg/L	1
FD	Zinc	9/15/2009	General Chemistry	3.3	µg/L	1
E	Zinc (dissolved)	9/15/2009	General Chemistry	ND	µg/L	1
FB	Zinc (dissolved)	9/15/2009	General Chemistry	ND	µg/L	1
FD	Zinc (dissolved)	9/15/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	9/15/2009	General Chemistry	0.088	mg/L	0.1
FB	Ammonia as N	9/15/2009	General Chemistry	ND	mg/L	0.1
FD	Ammonia as N	9/15/2009	General Chemistry	0.099	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	0.43	mg/L	0.05
FB	Nitrate + Nitrite as N	9/15/2009	General Chemistry	0.022	mg/L	0.05
FD	Nitrate + Nitrite as N	9/15/2009	General Chemistry	0.5	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.63	mg/L	0.1
FB	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.099	mg/L	0.1
FD	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.78	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.1	mg/L	0.01
FB	OrthoPhosphate as P	9/15/2009	General Chemistry	ND	mg/L	0.01
FD	OrthoPhosphate as P	9/15/2009	General Chemistry	0.1	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.25	mg/L	0.01
FB	Phosphate as P	9/15/2009	General Chemistry	0.017	mg/L	0.01
FD	Phosphate as P	9/15/2009	General Chemistry	0.25	mg/L	0.01
E	Chlorpyrifos	9/15/2009	Pesticide	0.045	µg/L	0.015
FD	Chlorpyrifos	9/15/2009	Pesticide	0.047	µg/L	0.015

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **60**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/13/2009	Aquatic Toxicity	75	%	
FD	Ceriodaphnia dubia	10/13/2009	Aquatic Toxicity	95	%	
E	Selenastrum capricornutum	10/13/2009	Aquatic Toxicity	4975000	cells/ml	
FD	Selenastrum capricornutum	10/13/2009	Aquatic Toxicity	5038000	cells/ml	
E	Bromide	10/13/2009	General Chemistry	1.2	mg/L	1
FB	Bromide	10/13/2009	General Chemistry	ND	mg/L	1
FD	Bromide	10/13/2009	General Chemistry	1.1	mg/L	1
E	Dissolved Organic Carbon	10/13/2009	General Chemistry	5.7	mg/L	0.5
FB	Dissolved Organic Carbon	10/13/2009	General Chemistry	0.23	mg/L	0.5
FD	Dissolved Organic Carbon	10/13/2009	General Chemistry	5.7	mg/L	0.5
E	E. coli	10/13/2009	General Chemistry	340	MPN/100 mL	1
FB	E. coli	10/13/2009	General Chemistry	ND	MPN/100 mL	1
FD	E. coli	10/13/2009	General Chemistry	270	MPN/100 mL	1
E	Total Organic Carbon	10/13/2009	General Chemistry	5.8	mg/L	0.5
FB	Total Organic Carbon	10/13/2009	General Chemistry	0.14	mg/L	0.5
FD	Total Organic Carbon	10/13/2009	General Chemistry	5.8	mg/L	0.5
E	Dissolved Solids	10/13/2009	General Chemistry	690	mg/L	10
FB	Dissolved Solids	10/13/2009	General Chemistry	ND	mg/L	10
FD	Dissolved Solids	10/13/2009	General Chemistry	680	mg/L	20
E	Hardness as CaCO3	10/13/2009	General Chemistry	280	mg/L	20
FB	Hardness as CaCO3	10/13/2009	General Chemistry	ND	mg/L	5
FD	Hardness as CaCO3	10/13/2009	General Chemistry	260	mg/L	20
E	Suspended Solids	10/13/2009	General Chemistry	57	mg/L	3
FB	Suspended Solids	10/13/2009	General Chemistry	ND	mg/L	3
FD	Suspended Solids	10/13/2009	General Chemistry	41	mg/L	3
E	Turbidity	10/13/2009	General Chemistry	19	NTU	0.05
FB	Turbidity	10/13/2009	General Chemistry	ND	NTU	0.05
FD	Turbidity	10/13/2009	General Chemistry	18	NTU	0.05
E	Boron	10/13/2009	General Chemistry	500	µg/L	10
FB	Boron	10/13/2009	General Chemistry	0.6	µg/L	10
FD	Boron	10/13/2009	General Chemistry	500	µg/L	10
E	Copper	10/13/2009	General Chemistry	1.9	µg/L	0.5
FB	Copper	10/13/2009	General Chemistry	0.1	µg/L	0.5
FD	Copper	10/13/2009	General Chemistry	2.1	µg/L	0.5

E	Copper (dissolved)	10/13/2009	General Chemistry	0.87	µg/L	0.5
FB	Copper (dissolved)	10/13/2009	General Chemistry	0.34	µg/L	0.5
FD	Copper (dissolved)	10/13/2009	General Chemistry	0.83	µg/L	0.5
E	Nickel	10/13/2009	General Chemistry	3.3	µg/L	0.5
FB	Nickel	10/13/2009	General Chemistry	0.06	µg/L	0.5
FD	Nickel	10/13/2009	General Chemistry	3.5	µg/L	0.5
E	Nickel (dissolved)	10/13/2009	General Chemistry	1.4	µg/L	0.5
FB	Nickel (dissolved)	10/13/2009	General Chemistry	0.01	µg/L	0.5
FD	Nickel (dissolved)	10/13/2009	General Chemistry	1.4	µg/L	0.5
E	Zinc	10/13/2009	General Chemistry	5.1	µg/L	1
FB	Zinc	10/13/2009	General Chemistry	ND	µg/L	1
FD	Zinc	10/13/2009	General Chemistry	5.7	µg/L	1
E	Zinc (dissolved)	10/13/2009	General Chemistry	ND	µg/L	1
FB	Zinc (dissolved)	10/13/2009	General Chemistry	ND	µg/L	1
FD	Zinc (dissolved)	10/13/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	10/13/2009	General Chemistry	0.12	mg/L	0.1
FB	Ammonia as N	10/13/2009	General Chemistry	ND	mg/L	0.1
FD	Ammonia as N	10/13/2009	General Chemistry	0.29	mg/L	0.1
E	Nitrate + Nitrite as N	10/13/2009	General Chemistry	0.35	mg/L	0.05
FB	Nitrate + Nitrite as N	10/13/2009	General Chemistry	ND	mg/L	0.05
FD	Nitrate + Nitrite as N	10/13/2009	General Chemistry	0.29	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	1	mg/L	0.1
FB	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	ND	mg/L	0.1
FD	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	1	mg/L	0.1
E	OrthoPhosphate as P	10/13/2009	General Chemistry	0.1	mg/L	0.01
FB	OrthoPhosphate as P	10/13/2009	General Chemistry	ND	mg/L	0.01
FD	OrthoPhosphate as P	10/13/2009	General Chemistry	0.07	mg/L	0.01
E	Phosphate as P	10/13/2009	General Chemistry	0.24	mg/L	0.01
FB	Phosphate as P	10/13/2009	General Chemistry	0.021	mg/L	0.01
FD	Phosphate as P	10/13/2009	General Chemistry	0.25	mg/L	0.01

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	11/10/2009	Aquatic Toxicity	85	%	
FD	Ceriodaphnia dubia	11/10/2009	Aquatic Toxicity	65	%	
E	Selenastrum capricornutum	11/10/2009	Aquatic Toxicity	4290000	cells/ml	
FD	Selenastrum capricornutum	11/10/2009	Aquatic Toxicity	4623000	cells/ml	

E	Bromide	11/10/2009	General Chemistry	1.1	mg/L	1
FB	Bromide	11/10/2009	General Chemistry	ND	mg/L	1
FD	Bromide	11/10/2009	General Chemistry	1.2	mg/L	1
E	Dissolved Organic Carbon	11/10/2009	General Chemistry	5.8	mg/L	0.5
FB	Dissolved Organic Carbon	11/10/2009	General Chemistry	0.46	mg/L	0.5
FD	Dissolved Organic Carbon	11/10/2009	General Chemistry	6.1	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	330	MPN/100 mL	1
FB	E. coli	11/10/2009	General Chemistry	ND	MPN/100 mL	1
FD	E. coli	11/10/2009	General Chemistry	280	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	5.7	mg/L	0.5
FB	Total Organic Carbon	11/10/2009	General Chemistry	0.39	mg/L	0.5
FD	Total Organic Carbon	11/10/2009	General Chemistry	5.7	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	760	mg/L	10
FB	Dissolved Solids	11/10/2009	General Chemistry	ND	mg/L	10
FD	Dissolved Solids	11/10/2009	General Chemistry	780	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	300	mg/L	20
FB	Hardness as CaCO3	11/10/2009	General Chemistry	ND	mg/L	5
FD	Hardness as CaCO3	11/10/2009	General Chemistry	310	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	32	mg/L	3
FB	Suspended Solids	11/10/2009	General Chemistry	ND	mg/L	3
FD	Suspended Solids	11/10/2009	General Chemistry	35	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	19	NTU	0.05
FB	Turbidity	11/10/2009	General Chemistry	ND	NTU	0.05
FD	Turbidity	11/10/2009	General Chemistry	19	NTU	0.05
E	Boron	11/10/2009	General Chemistry	600	µg/L	10
FB	Boron	11/10/2009	General Chemistry	0.6	µg/L	10
FD	Boron	11/10/2009	General Chemistry	680	µg/L	10
E	Copper	11/10/2009	General Chemistry	2	µg/L	0.5
FB	Copper	11/10/2009	General Chemistry	0.86	µg/L	0.5
FD	Copper	11/10/2009	General Chemistry	1.7	µg/L	0.5
E	Copper (dissolved)	11/10/2009	General Chemistry	0.64	µg/L	0.5
FB	Copper (dissolved)	11/10/2009	General Chemistry	ND	µg/L	0.5
FD	Copper (dissolved)	11/10/2009	General Chemistry	0.66	µg/L	0.5
E	Nickel	11/10/2009	General Chemistry	3.4	µg/L	0.5
FB	Nickel	11/10/2009	General Chemistry	0.07	µg/L	0.5
FD	Nickel	11/10/2009	General Chemistry	3.1	µg/L	0.5
E	Nickel (dissolved)	11/10/2009	General Chemistry	1.5	µg/L	0.5
FB	Nickel (dissolved)	11/10/2009	General Chemistry	0.04	µg/L	0.5

FD	Nickel (dissolved)	11/10/2009	General Chemistry	1.5	µg/L	0.5
E	Zinc	11/10/2009	General Chemistry	4.9	µg/L	1
FB	Zinc	11/10/2009	General Chemistry	0.9	µg/L	1
FD	Zinc	11/10/2009	General Chemistry	4.2	µg/L	1
E	Zinc (dissolved)	11/10/2009	General Chemistry	ND	µg/L	1
FB	Zinc (dissolved)	11/10/2009	General Chemistry	ND	µg/L	1
FD	Zinc (dissolved)	11/10/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	11/10/2009	General Chemistry	0.24	mg/L	0.1
FB	Ammonia as N	11/10/2009	General Chemistry	0.066	mg/L	0.1
FD	Ammonia as N	11/10/2009	General Chemistry	0.32	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	0.57	mg/L	0.05
FB	Nitrate + Nitrite as N	11/10/2009	General Chemistry	ND	mg/L	0.05
FD	Nitrate + Nitrite as N	11/10/2009	General Chemistry	0.49	mg/L	0.05
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	1	mg/L	0.1
FB	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	0.37	mg/L	0.1
FD	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	1.3	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.043	mg/L	0.01
FB	OrthoPhosphate as P	11/10/2009	General Chemistry	ND	mg/L	0.01
FD	OrthoPhosphate as P	11/10/2009	General Chemistry	0.043	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.22	mg/L	0.01
FB	Phosphate as P	11/10/2009	General Chemistry	0.012	mg/L	0.01
FD	Phosphate as P	11/10/2009	General Chemistry	0.22	mg/L	0.01

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/8/2009	Aquatic Toxicity	100	%	
FD	Ceriodaphnia dubia	12/8/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	12/8/2009	Aquatic Toxicity	97.5	%	
FD	Pimephales promelas	12/8/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/8/2009	Aquatic Toxicity	3720000	cells/ml	
FD	Selenastrum capricornutum	12/8/2009	Aquatic Toxicity	4023000	cells/ml	
E	Bromide	12/8/2009	General Chemistry	1.6	mg/L	1
FB	Bromide	12/8/2009	General Chemistry	ND	mg/L	1
FD	Bromide	12/8/2009	General Chemistry	1.5	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	5.4	mg/L	0.5
FB	Dissolved Organic Carbon	12/8/2009	General Chemistry	0.13	mg/L	0.5
FD	Dissolved Organic Carbon	12/8/2009	General Chemistry	5.4	mg/L	0.5

E	E. coli	12/8/2009	General Chemistry	38	MPN/100 mL	1
FB	E. coli	12/8/2009	General Chemistry	ND	MPN/100 mL	1
FD	E. coli	12/8/2009	General Chemistry	26	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	5.5	mg/L	0.5
FB	Total Organic Carbon	12/8/2009	General Chemistry	0.29	mg/L	0.5
FD	Total Organic Carbon	12/8/2009	General Chemistry	5.5	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	1100	mg/L	10
FB	Dissolved Solids	12/8/2009	General Chemistry	ND	mg/L	10
FD	Dissolved Solids	12/8/2009	General Chemistry	1100	mg/L	10
E	Hardness as CaCO3	12/8/2009	General Chemistry	400	mg/L	20
FB	Hardness as CaCO3	12/8/2009	General Chemistry	ND	mg/L	5
FD	Hardness as CaCO3	12/8/2009	General Chemistry	400	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	63	mg/L	3
FB	Suspended Solids	12/8/2009	General Chemistry	ND	mg/L	3
FD	Suspended Solids	12/8/2009	General Chemistry	28	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	25	NTU	0.2
FB	Turbidity	12/8/2009	General Chemistry	ND	NTU	0.05
FD	Turbidity	12/8/2009	General Chemistry	15	NTU	0.1
E	Arsenic	12/8/2009	General Chemistry	3.4	µg/L	0.5
FB	Arsenic	12/8/2009	General Chemistry	0.03	µg/L	0.5
FD	Arsenic	12/8/2009	General Chemistry	3	µg/L	0.5
E	Boron	12/8/2009	General Chemistry	880	µg/L	10
FB	Boron	12/8/2009	General Chemistry	5.7	µg/L	10
FD	Boron	12/8/2009	General Chemistry	920	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.02	µg/L	0.1
FB	Cadmium	12/8/2009	General Chemistry	ND	µg/L	0.1
FD	Cadmium	12/8/2009	General Chemistry	0.01	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.1
FB	Cadmium (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.1
FD	Cadmium (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.1
E	Copper	12/8/2009	General Chemistry	1.9	µg/L	0.5
FB	Copper	12/8/2009	General Chemistry	0.14	µg/L	0.5
FD	Copper	12/8/2009	General Chemistry	1.1	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.09	µg/L	0.5
FB	Copper (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.5
FD	Copper (dissolved)	12/8/2009	General Chemistry	0.24	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	0.54	µg/L	0.25
FB	Lead	12/8/2009	General Chemistry	ND	µg/L	0.25

FD	Lead	12/8/2009	General Chemistry	0.29	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
FB	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
FD	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	12/8/2009	General Chemistry	3.7	µg/L	0.5
FB	Nickel	12/8/2009	General Chemistry	0.02	µg/L	0.5
FD	Nickel	12/8/2009	General Chemistry	2.6	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	1.5	µg/L	0.5
FB	Nickel (dissolved)	12/8/2009	General Chemistry	0.03	µg/L	0.5
FD	Nickel (dissolved)	12/8/2009	General Chemistry	1.6	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	0.22	µg/L	1
FB	Selenium	12/8/2009	General Chemistry	ND	µg/L	1
FD	Selenium	12/8/2009	General Chemistry	0.19	µg/L	1
E	Zinc	12/8/2009	General Chemistry	5.6	µg/L	1
FB	Zinc	12/8/2009	General Chemistry	0.9	µg/L	1
FD	Zinc	12/8/2009	General Chemistry	2.7	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	ND	µg/L	1
FB	Zinc (dissolved)	12/8/2009	General Chemistry	0.9	µg/L	1
FD	Zinc (dissolved)	12/8/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	0.15	mg/L	0.1
FB	Ammonia as N	12/8/2009	General Chemistry	0.066	mg/L	0.1
FD	Ammonia as N	12/8/2009	General Chemistry	0.24	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	0.23	mg/L	0.05
FB	Nitrate + Nitrite as N	12/8/2009	General Chemistry	0.06	mg/L	0.05
FD	Nitrate + Nitrite as N	12/8/2009	General Chemistry	0.18	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	1.7	mg/L	0.1
FB	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	0.43	mg/L	0.1
FD	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	1	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.13	mg/L	0.01
FB	OrthoPhosphate as P	12/8/2009	General Chemistry	0.014	mg/L	0.01
FD	OrthoPhosphate as P	12/8/2009	General Chemistry	0.041	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.3	mg/L	0.01
FB	Phosphate as P	12/8/2009	General Chemistry	0.01	mg/L	0.01
FD	Phosphate as P	12/8/2009	General Chemistry	0.28	mg/L	0.01

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/12/2010	Aquatic Toxicity	100	%	
FD	Ceriodaphnia dubia	1/12/2010	Aquatic Toxicity	65	%	
E	Selenastrum capricornutum	1/12/2010	Aquatic Toxicity	3713000	cells/ml	
FD	Selenastrum capricornutum	1/12/2010	Aquatic Toxicity	3755000	cells/ml	
E	Bromide	1/12/2010	General Chemistry	1.9	mg/L	1
FB	Bromide	1/12/2010	General Chemistry	ND	mg/L	1
FD	Bromide	1/12/2010	General Chemistry	1.8	mg/L	1
E	Dissolved Organic Carbon	1/12/2010	General Chemistry	4.9	mg/L	0.5
FB	Dissolved Organic Carbon	1/12/2010	General Chemistry	0.22	mg/L	0.5
FD	Dissolved Organic Carbon	1/12/2010	General Chemistry	4.8	mg/L	0.5
E	E. coli	1/12/2010	General Chemistry	40	MPN/100 mL	1
FB	E. coli	1/12/2010	General Chemistry	ND	MPN/100 mL	1
FD	E. coli	1/12/2010	General Chemistry	49	MPN/100 mL	1
E	Total Organic Carbon	1/12/2010	General Chemistry	5.7	mg/L	0.5
FB	Total Organic Carbon	1/12/2010	General Chemistry	0.23	mg/L	0.5
FD	Total Organic Carbon	1/12/2010	General Chemistry	4.9	mg/L	0.5
E	Dissolved Solids	1/12/2010	General Chemistry	1300	mg/L	10
FB	Dissolved Solids	1/12/2010	General Chemistry	ND	mg/L	10
FD	Dissolved Solids	1/12/2010	General Chemistry	1300	mg/L	10
E	Hardness as CaCO3	1/12/2010	General Chemistry	450	mg/L	20
FB	Hardness as CaCO3	1/12/2010	General Chemistry	ND	mg/L	5
FD	Hardness as CaCO3	1/12/2010	General Chemistry	460	mg/L	20
E	Suspended Solids	1/12/2010	General Chemistry	64	mg/L	3
FB	Suspended Solids	1/12/2010	General Chemistry	ND	mg/L	3
FD	Suspended Solids	1/12/2010	General Chemistry	62	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	32	NTU	0.2
FB	Turbidity	1/12/2010	General Chemistry	0.16	NTU	0.05
FD	Turbidity	1/12/2010	General Chemistry	41	NTU	0.2
E	Boron	1/12/2010	General Chemistry	1100	µg/L	10
FB	Boron	1/12/2010	General Chemistry	2.3	µg/L	10
FD	Boron	1/12/2010	General Chemistry	1000	µg/L	10
E	Copper	1/12/2010	General Chemistry	1.4	µg/L	0.5
FB	Copper	1/12/2010	General Chemistry	ND	µg/L	0.5
FD	Copper	1/12/2010	General Chemistry	1.7	µg/L	0.5

E	Copper (dissolved)	1/12/2010	General Chemistry	ND	µg/L	0.5
FB	Copper (dissolved)	1/12/2010	General Chemistry	ND	µg/L	0.5
FD	Copper (dissolved)	1/12/2010	General Chemistry	ND	µg/L	0.5
E	Nickel	1/12/2010	General Chemistry	3.7	µg/L	0.5
FB	Nickel	1/12/2010	General Chemistry	ND	µg/L	0.5
FD	Nickel	1/12/2010	General Chemistry	3.6	µg/L	0.5
E	Nickel (dissolved)	1/12/2010	General Chemistry	1.6	µg/L	0.5
FB	Nickel (dissolved)	1/12/2010	General Chemistry	1.7	µg/L	0.5
FD	Nickel (dissolved)	1/12/2010	General Chemistry	1.6	µg/L	0.5
E	Zinc	1/12/2010	General Chemistry	5.5	µg/L	1
FB	Zinc	1/12/2010	General Chemistry	ND	µg/L	1
FD	Zinc	1/12/2010	General Chemistry	4.9	µg/L	1
E	Zinc (dissolved)	1/12/2010	General Chemistry	ND	µg/L	1
FB	Zinc (dissolved)	1/12/2010	General Chemistry	ND	µg/L	1
FD	Zinc (dissolved)	1/12/2010	General Chemistry	ND	µg/L	1
E	Ammonia as N	1/12/2010	General Chemistry	0.2	mg/L	0.1
FB	Ammonia as N	1/12/2010	General Chemistry	ND	mg/L	0.1
FD	Ammonia as N	1/12/2010	General Chemistry	0.16	mg/L	0.1
E	Nitrate + Nitrite as N	1/12/2010	General Chemistry	0.28	mg/L	0.05
FB	Nitrate + Nitrite as N	1/12/2010	General Chemistry	ND	mg/L	0.05
FD	Nitrate + Nitrite as N	1/12/2010	General Chemistry	0.32	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	1.2	mg/L	0.1
FB	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	ND	mg/L	0.1
FD	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	1.1	mg/L	0.1
E	OrthoPhosphate as P	1/12/2010	General Chemistry	0.037	mg/L	0.01
FB	OrthoPhosphate as P	1/12/2010	General Chemistry	ND	mg/L	0.01
FD	OrthoPhosphate as P	1/12/2010	General Chemistry	0.036	mg/L	0.01
E	Phosphate as P	1/12/2010	General Chemistry	0.27	mg/L	0.01
FB	Phosphate as P	1/12/2010	General Chemistry	ND	mg/L	0.01
FD	Phosphate as P	1/12/2010	General Chemistry	0.27	mg/L	0.01

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	100	%	
FD	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	100	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	97.5	%	
FD	Pimephales promelas	1/21/2010	Aquatic Toxicity	100	%	

E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	3920000	cells/ml	
FD	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	4123000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	0.9	mg/L	1
FB	Bromide	1/21/2010	General Chemistry	ND	mg/L	1
FD	Bromide	1/21/2010	General Chemistry	1	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	7.7	mg/L	0.5
FB	Dissolved Organic Carbon	1/21/2010	General Chemistry	0.27	mg/L	0.5
FD	Dissolved Organic Carbon	1/21/2010	General Chemistry	7.4	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	460	MPN/100 mL	1
FB	E. coli	1/21/2010	General Chemistry	ND	MPN/100 mL	1
FD	E. coli	1/21/2010	General Chemistry	520	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	7.5	mg/L	0.5
FB	Total Organic Carbon	1/21/2010	General Chemistry	0.33	mg/L	0.5
FD	Total Organic Carbon	1/21/2010	General Chemistry	7.4	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	920	mg/L	10
FB	Dissolved Solids	1/21/2010	General Chemistry	ND	mg/L	10
FD	Dissolved Solids	1/21/2010	General Chemistry	920	mg/L	10
E	Hardness as CaCO3	1/21/2010	General Chemistry	350	mg/L	20
FB	Hardness as CaCO3	1/21/2010	General Chemistry	ND	mg/L	5
FD	Hardness as CaCO3	1/21/2010	General Chemistry	360	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	87	mg/L	3
FB	Suspended Solids	1/21/2010	General Chemistry	ND	mg/L	3
FD	Suspended Solids	1/21/2010	General Chemistry	93	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	44	NTU	0.2
FB	Turbidity	1/21/2010	General Chemistry	ND	NTU	0.05
FD	Turbidity	1/21/2010	General Chemistry	400	NTU	2
E	Arsenic	1/21/2010	General Chemistry	4	µg/L	0.5
FB	Arsenic	1/21/2010	General Chemistry	0.01	µg/L	0.5
FD	Arsenic	1/21/2010	General Chemistry	3.9	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	950	µg/L	10
FB	Boron	1/21/2010	General Chemistry	1.1	µg/L	10
FD	Boron	1/21/2010	General Chemistry	910	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.03	µg/L	0.1
FB	Cadmium	1/21/2010	General Chemistry	ND	µg/L	0.1
FD	Cadmium	1/21/2010	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	0.01	µg/L	0.1
FB	Cadmium (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.1
FD	Cadmium (dissolved)	1/21/2010	General Chemistry	0.01	µg/L	0.1

E	Copper	1/21/2010	General Chemistry	3.3	µg/L	0.5
FB	Copper	1/21/2010	General Chemistry	0.42	µg/L	0.5
FD	Copper	1/21/2010	General Chemistry	3.3	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	0.77	µg/L	0.5
FB	Copper (dissolved)	1/21/2010	General Chemistry	0.22	µg/L	0.5
FD	Copper (dissolved)	1/21/2010	General Chemistry	0.81	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	0.95	µg/L	0.25
FB	Lead	1/21/2010	General Chemistry	ND	µg/L	0.25
FD	Lead	1/21/2010	General Chemistry	0.99	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
FB	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
FD	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	5.8	µg/L	0.5
FB	Nickel	1/21/2010	General Chemistry	0.03	µg/L	0.5
FD	Nickel	1/21/2010	General Chemistry	6.1	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	2	µg/L	0.5
FB	Nickel (dissolved)	1/21/2010	General Chemistry	0.03	µg/L	0.5
FD	Nickel (dissolved)	1/21/2010	General Chemistry	1.9	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.59	µg/L	1
FB	Selenium	1/21/2010	General Chemistry	ND	µg/L	1
FD	Selenium	1/21/2010	General Chemistry	0.56	µg/L	1
E	Zinc	1/21/2010	General Chemistry	8.8	µg/L	1
FB	Zinc	1/21/2010	General Chemistry	2.6	µg/L	1
FD	Zinc	1/21/2010	General Chemistry	8	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	ND	µg/L	1
FB	Zinc (dissolved)	1/21/2010	General Chemistry	ND	µg/L	1
FD	Zinc (dissolved)	1/21/2010	General Chemistry	ND	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	0.21	mg/L	0.1
FB	Ammonia as N	1/21/2010	General Chemistry	ND	mg/L	0.1
FD	Ammonia as N	1/21/2010	General Chemistry	0.077	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	0.61	mg/L	0.05
FB	Nitrate + Nitrite as N	1/21/2010	General Chemistry	0.034	mg/L	0.05
FD	Nitrate + Nitrite as N	1/21/2010	General Chemistry	0.71	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	1.2	mg/L	0.1
FB	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	ND	mg/L	0.1
FD	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	1.2	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.14	mg/L	0.01
FB	OrthoPhosphate as P	1/21/2010	General Chemistry	ND	mg/L	0.01

FD	OrthoPhosphate as P	1/21/2010	General Chemistry	0.13	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.33	mg/L	0.01
FB	Phosphate as P	1/21/2010	General Chemistry	ND	mg/L	0.01
FD	Phosphate as P	1/21/2010	General Chemistry	0.34	mg/L	0.01
E	Diuron	1/21/2010	Pesticide	0.93	µg/L	0.4
FD	Diuron	1/21/2010	Pesticide	0.93	µg/L	0.4

Monitoring Site: **Salt Slough at Lander Ave**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	2/9/2010	Aquatic Toxicity	100	%	
FD	Ceriodaphnia dubia	2/9/2010	Aquatic Toxicity	95	%	
E	Selenastrum capricornutum	2/9/2010	Aquatic Toxicity	4838000	cells/ml	
FD	Selenastrum capricornutum	2/9/2010	Aquatic Toxicity	4710000	cells/ml	
E	Bromide	2/9/2010	General Chemistry	1.5	mg/L	1
FB	Bromide	2/9/2010	General Chemistry	ND	mg/L	1
FD	Bromide	2/9/2010	General Chemistry	1.4	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	6.1	mg/L	0.5
FB	Dissolved Organic Carbon	2/9/2010	General Chemistry	0.21	mg/L	0.5
FD	Dissolved Organic Carbon	2/9/2010	General Chemistry	6	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	130	MPN/100 mL	1
FB	E. coli	2/9/2010	General Chemistry	ND	MPN/100 mL	1
FD	E. coli	2/9/2010	General Chemistry	260	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	6	mg/L	0.5
FB	Total Organic Carbon	2/9/2010	General Chemistry	0.21	mg/L	0.5
FD	Total Organic Carbon	2/9/2010	General Chemistry	6.2	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	1100	mg/L	10
FB	Dissolved Solids	2/9/2010	General Chemistry	ND	mg/L	10
FD	Dissolved Solids	2/9/2010	General Chemistry	1100	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	400	mg/L	20
FB	Hardness as CaCO3	2/9/2010	General Chemistry	ND	mg/L	5
FD	Hardness as CaCO3	2/9/2010	General Chemistry	420	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	47	mg/L	3
FB	Suspended Solids	2/9/2010	General Chemistry	ND	mg/L	3
FD	Suspended Solids	2/9/2010	General Chemistry	48	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	26	NTU	0.05
FB	Turbidity	2/9/2010	General Chemistry	0.1	NTU	0.05
FD	Turbidity	2/9/2010	General Chemistry	26	NTU	0.2

E	Boron	2/9/2010	General Chemistry	1000	µg/L	10
FB	Boron	2/9/2010	General Chemistry	1	µg/L	10
FD	Boron	2/9/2010	General Chemistry	960	µg/L	10
E	Copper	2/9/2010	General Chemistry	2.9	µg/L	0.5
FB	Copper	2/9/2010	General Chemistry	0.33	µg/L	0.5
FD	Copper	2/9/2010	General Chemistry	2.6	µg/L	0.5
E	Copper (dissolved)	2/9/2010	General Chemistry	0.78	µg/L	0.5
FB	Copper (dissolved)	2/9/2010	General Chemistry	0.14	µg/L	0.5
FD	Copper (dissolved)	2/9/2010	General Chemistry	0.74	µg/L	0.5
E	Nickel	2/9/2010	General Chemistry	4.6	µg/L	0.5
FB	Nickel	2/9/2010	General Chemistry	0.03	µg/L	0.5
FD	Nickel	2/9/2010	General Chemistry	4.7	µg/L	0.5
E	Nickel (dissolved)	2/9/2010	General Chemistry	1.8	µg/L	0.5
FB	Nickel (dissolved)	2/9/2010	General Chemistry	0.05	µg/L	0.5
FD	Nickel (dissolved)	2/9/2010	General Chemistry	1.8	µg/L	0.5
E	Zinc	2/9/2010	General Chemistry	5.8	µg/L	1
FB	Zinc	2/9/2010	General Chemistry	ND	µg/L	1
FD	Zinc	2/9/2010	General Chemistry	5.7	µg/L	1
E	Zinc (dissolved)	2/9/2010	General Chemistry	ND	µg/L	1
FB	Zinc (dissolved)	2/9/2010	General Chemistry	ND	µg/L	1
FD	Zinc (dissolved)	2/9/2010	General Chemistry	ND	µg/L	1
E	Ammonia as N	2/9/2010	General Chemistry	ND	mg/L	0.1
FB	Ammonia as N	2/9/2010	General Chemistry	ND	mg/L	0.1
FD	Ammonia as N	2/9/2010	General Chemistry	0.14	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.66	mg/L	0.05
FB	Nitrate + Nitrite as N	2/9/2010	General Chemistry	ND	mg/L	0.05
FD	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.6	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	1	mg/L	0.1
FB	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	ND	mg/L	0.1
FD	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	0.99	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.059	mg/L	0.01
FB	OrthoPhosphate as P	2/9/2010	General Chemistry	ND	mg/L	0.01
FD	OrthoPhosphate as P	2/9/2010	General Chemistry	0.062	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.28	mg/L	0.01
FB	Phosphate as P	2/9/2010	General Chemistry	ND	mg/L	0.01
FD	Phosphate as P	2/9/2010	General Chemistry	0.27	mg/L	0.01
E	Diuron	2/9/2010	Pesticide	1.7	µg/L	0.4
FD	Diuron	2/9/2010	Pesticide	1.7	µg/L	0.4

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Salt Slough at Sand Dam**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	12/8/2009	General Chemistry	0.73	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	2.5	mg/L	0.5
E	E. coli	12/8/2009	General Chemistry	5.2	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	2.5	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	570	mg/L	10
E	Hardness as CaCO3	12/8/2009	General Chemistry	600	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	25	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	15	NTU	0.1
E	Arsenic	12/8/2009	General Chemistry	2.9	µg/L	0.5
E	Boron	12/8/2009	General Chemistry	270	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.1
E	Copper	12/8/2009	General Chemistry	2	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	1	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	0.51	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	12/8/2009	General Chemistry	2.7	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	1.3	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	0.27	µg/L	1
E	Zinc	12/8/2009	General Chemistry	5	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	1.2	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	0.81	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.093	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.18	mg/L	0.01

Monitoring Site: **Salt Slough at Sand Dam**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/9/2009	Aquatic Toxicity	95	%	
E	Pimephales promelas	12/9/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/9/2009	Aquatic Toxicity	3173000	cells/ml	

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **Salt Slough at Sand Dam**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	95	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	1855000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	0.36	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	3.7	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	220	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	3.6	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	540	mg/L	10
E	Hardness as CaCO3	1/21/2010	General Chemistry	270	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	79	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	61	NTU	0.5
E	Arsenic	1/21/2010	General Chemistry	3.5	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	300	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.04	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	4.1	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	0.88	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	1.3	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	5.5	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	1.4	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.62	µg/L	1
E	Zinc	1/21/2010	General Chemistry	12	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	ND	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	0.18	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	3.2	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	1.1	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.11	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.2	mg/L	0.01
E	Diuron	1/21/2010	Pesticide	4.6	µg/L	2.0
E	Prowl	1/21/2010	Pesticide	0.17	µg/L	0.1

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: San Joaquin River at Lander Ave

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	9/15/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	9/15/2009	Aquatic Toxicity	2388000	cells/ml	
E	Bromide	9/15/2009	General Chemistry	2.4	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	5.9	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	38	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	6.1	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	1100	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	260	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	47	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	18	NTU	0.05
E	Ammonia as N	9/15/2009	General Chemistry	0.14	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	0.031	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	2	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.032	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.28	mg/L	0.01

Monitoring Site: San Joaquin River at Lander Ave

Sample Event: 60

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/13/2009	Aquatic Toxicity	85	%	
E	Selenastrum capricornutum	10/13/2009	Aquatic Toxicity	4710000	cells/ml	
E	Bromide	10/13/2009	General Chemistry	2.6	mg/L	1
E	Dissolved Organic Carbon	10/13/2009	General Chemistry	6.3	mg/L	0.5
E	E. coli	10/13/2009	General Chemistry	12	MPN/100 mL	1
E	Total Organic Carbon	10/13/2009	General Chemistry	6.8	mg/L	0.5
E	Dissolved Solids	10/13/2009	General Chemistry	1200	mg/L	10
E	Hardness as CaCO3	10/13/2009	General Chemistry	56	mg/L	20
E	Suspended Solids	10/13/2009	General Chemistry	24	mg/L	3
E	Turbidity	10/13/2009	General Chemistry	13	NTU	0.05
E	Ammonia as N	10/13/2009	General Chemistry	0.077	mg/L	0.1
E	Nitrate + Nitrite as N	10/13/2009	General Chemistry	ND	mg/L	0.05
E	Nitrogen, Total Kjeldahl	10/13/2009	General Chemistry	2.7	mg/L	0.1
E	OrthoPhosphate as P	10/13/2009	General Chemistry	0.023	mg/L	0.01
E	Phosphate as P	10/13/2009	General Chemistry	0.32	mg/L	0.01

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: San Joaquin River at Lander Ave

Sample Event: 61

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	11/10/2009	Aquatic Toxicity	85	%	
E	Selenastrum capricornutum	11/10/2009	Aquatic Toxicity	4055000	cells/ml	
E	Bromide	11/10/2009	General Chemistry	0.035	mg/L	1
E	Dissolved Organic Carbon	11/10/2009	General Chemistry	3.9	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	140	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	4.1	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	210	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	180	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	43	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	22	NTU	0.2
E	Ammonia as N	11/10/2009	General Chemistry	0.25	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	0.28	mg/L	0.05
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	1.2	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.032	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.15	mg/L	0.01

Monitoring Site: San Joaquin River at Lander Ave

Sample Event: 62/R9

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/8/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	12/8/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/8/2009	Aquatic Toxicity	3938000	cells/ml	
E	Bromide	12/8/2009	General Chemistry	0.8	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	4.5	mg/L	0.5
E	E. coli	12/8/2009	General Chemistry	13	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	4.8	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	510	mg/L	10
E	Hardness as CaCO3	12/8/2009	General Chemistry	190	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	25	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	10	NTU	0.1
E	Arsenic	12/8/2009	General Chemistry	2.7	µg/L	0.5
E	Boron	12/8/2009	General Chemistry	250	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.01	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	0.01	µg/L	0.1

E	Copper	12/8/2009	General Chemistry	1.3	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.57	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	0.22	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	12/8/2009	General Chemistry	1.6	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	1.3	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	0.26	µg/L	1
E	Zinc	12/8/2009	General Chemistry	2.6	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	ND	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	0.14	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	0.09	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	0.75	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.057	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.12	mg/L	0.01

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/12/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/12/2010	Aquatic Toxicity	1010000	cells/ml	
E	Bromide	1/12/2010	General Chemistry	1.3	mg/L	1
E	Dissolved Organic Carbon	1/12/2010	General Chemistry	4.4	mg/L	0.5
E	E. coli	1/12/2010	General Chemistry	4.1	MPN/100 mL	1
E	Total Organic Carbon	1/12/2010	General Chemistry	5.1	mg/L	0.5
E	Dissolved Solids	1/12/2010	General Chemistry	770	mg/L	10
E	Hardness as CaCO3	1/12/2010	General Chemistry	310	mg/L	20
E	Suspended Solids	1/12/2010	General Chemistry	26	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	11	NTU	0.1
E	Ammonia as N	1/12/2010	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	1/12/2010	General Chemistry	0.087	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	1.2	mg/L	0.1
E	OrthoPhosphate as P	1/12/2010	General Chemistry	ND	mg/L	0.01
E	Phosphate as P	1/12/2010	General Chemistry	0.1	mg/L	0.01

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	100	%	

E	Pimephales promelas	1/21/2010	Aquatic Toxicity	95	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	3123000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	9.9	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	9.8	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	180	mg/L	20
E	Hardness as CaCO3	1/21/2010	General Chemistry	90	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	110	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	90	NTU	0.5
E	Arsenic	1/21/2010	General Chemistry	2.2	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	29	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.05	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	0.01	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	8.9	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	2.4	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	2.9	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	0.08	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	7.1	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	1.9	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.15	µg/L	1
E	Zinc	1/21/2010	General Chemistry	18	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	1.5	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	0.27	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	0.48	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	4.7	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.1	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.26	mg/L	0.01
E	Diuron	1/21/2010	Pesticide	0.65	µg/L	0.4

Monitoring Site: **San Joaquin River at Lander Ave**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	2/9/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	2/9/2010	Aquatic Toxicity	4615000	cells/ml	
E	Bromide	2/9/2010	General Chemistry	0.026	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	11	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	2400	MPN/100 mL	1

E	Total Organic Carbon	2/9/2010	General Chemistry	10	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	280	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	130	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	32	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	34	NTU	0.2
E	Ammonia as N	2/9/2010	General Chemistry	0.41	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.4	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	1.9	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.15	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.29	mg/L	0.01
E	Diuron	2/9/2010	Pesticide	0.27	µg/L	0.4

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	9/15/2009	General Chemistry	580	MPN/100 mL	1
E	Dissolved Solids	9/15/2009	General Chemistry	780	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	330	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	20	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	9.3	NTU	0.05
E	Boron	9/15/2009	General Chemistry	600	µg/L	10
E	Copper	9/15/2009	General Chemistry	2.2	µg/L	0.5
E	Copper (dissolved)	9/15/2009	General Chemistry	1.3	µg/L	0.5
E	Nickel	9/15/2009	General Chemistry	2.7	µg/L	0.5
E	Nickel (dissolved)	9/15/2009	General Chemistry	1.6	µg/L	0.5
E	Zinc	9/15/2009	General Chemistry	9.3	µg/L	1
E	Zinc (dissolved)	9/15/2009	General Chemistry	2.2	µg/L	1

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **R8**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	10/14/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	10/14/2009	Aquatic Toxicity	97.5	%	
E	Selenastrum capricornutum	10/14/2009	Aquatic Toxicity	4345000	cells/ml	
E	Bromide	10/14/2009	General Chemistry	0.048	mg/L	1
E	Dissolved Organic Carbon	10/14/2009	General Chemistry	6.1	mg/L	0.5
E	E. coli	10/14/2009	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	10/14/2009	General Chemistry	6.4	mg/L	0.5

E	Dissolved Solids	10/14/2009	General Chemistry	540	mg/L	10
E	Hardness as CaCO3	10/14/2009	General Chemistry	240	mg/L	20
E	Suspended Solids	10/14/2009	General Chemistry	59	mg/L	3
E	Turbidity	10/14/2009	General Chemistry	64	NTU	0.2
E	Arsenic	10/14/2009	General Chemistry	3	µg/L	0.5
E	Boron	10/14/2009	General Chemistry	460	µg/L	10
E	Cadmium	10/14/2009	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	10/14/2009	General Chemistry	ND	µg/L	0.1
E	Copper	10/14/2009	General Chemistry	4.8	µg/L	0.5
E	Copper (dissolved)	10/14/2009	General Chemistry	1.1	µg/L	0.5
E	Lead	10/14/2009	General Chemistry	1.4	µg/L	0.25
E	Lead (dissolved)	10/14/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	10/14/2009	General Chemistry	7	µg/L	0.5
E	Nickel (dissolved)	10/14/2009	General Chemistry	1.9	µg/L	0.5
E	Selenium	10/14/2009	General Chemistry	0.62	µg/L	1
E	Zinc	10/14/2009	General Chemistry	18	µg/L	1
E	Zinc (dissolved)	10/14/2009	General Chemistry	5	µg/L	1
E	Ammonia as N	10/14/2009	General Chemistry	0.15	mg/L	0.1
E	Nitrate + Nitrite as N	10/14/2009	General Chemistry	5.1	mg/L	0.2
E	Nitrogen, Total Kjeldahl	10/14/2009	General Chemistry	1.2	mg/L	0.1
E	OrthoPhosphate as P	10/14/2009	General Chemistry	0.32	mg/L	0.01
E	Phosphate as P	10/14/2009	General Chemistry	0.4	mg/L	0.01
E	Methomyl	10/14/2009	Pesticide	0.065	µg/L	0.07
E	Prowl	10/14/2009	Pesticide	0.26	µg/L	0.1
E	Simazine	10/14/2009	Pesticide	0.40	µg/L	0.5
E	Chlorpyrifos	10/14/2009	Pesticide	0.023	µg/L	0.015
E	Dimethoate	10/14/2009	Pesticide	0.26	µg/L	0.10

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	11/10/2009	General Chemistry	47	MPN/100 mL	1
E	Dissolved Solids	11/10/2009	General Chemistry	690	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	290	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	13	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	7.8	NTU	0.05
E	Boron	11/10/2009	General Chemistry	630	µg/L	10
E	Copper	11/10/2009	General Chemistry	1.5	µg/L	0.5

E	Copper (dissolved)	11/10/2009	General Chemistry	0.62	µg/L	0.5
E	Nickel	11/10/2009	General Chemistry	2.2	µg/L	0.5
E	Nickel (dissolved)	11/10/2009	General Chemistry	1.4	µg/L	0.5
E	Zinc	11/10/2009	General Chemistry	12	µg/L	1
E	Zinc (dissolved)	11/10/2009	General Chemistry	7.7	µg/L	1

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	12/8/2009	General Chemistry	45	MPN/100 mL	1
E	Dissolved Solids	12/8/2009	General Chemistry	810	mg/L	10
E	Suspended Solids	12/8/2009	General Chemistry	10	mg/L	3
E	Turbidity	12/8/2009	General Chemistry	6	NTU	0.05
E	Boron	12/8/2009	General Chemistry	750	µg/L	10
E	Copper	12/8/2009	General Chemistry	1.9	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.66	µg/L	0.5
E	Nickel	12/8/2009	General Chemistry	1.9	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	1.4	µg/L	0.5
E	Zinc	12/8/2009	General Chemistry	13	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	63	µg/L	1

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	1/12/2010	General Chemistry	36	MPN/100 mL	1
E	Dissolved Solids	1/12/2010	General Chemistry	990	mg/L	10
E	Suspended Solids	1/12/2010	General Chemistry	27	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	16	NTU	0.2
E	Boron	1/12/2010	General Chemistry	1000	µg/L	10
E	Copper	1/12/2010	General Chemistry	1.7	µg/L	0.5
E	Copper (dissolved)	1/12/2010	General Chemistry	ND	µg/L	0.5
E	Nickel	1/12/2010	General Chemistry	2.9	µg/L	0.5
E	Nickel (dissolved)	1/12/2010	General Chemistry	1.5	µg/L	0.5
E	Zinc	1/12/2010	General Chemistry	12	µg/L	1
E	Zinc (dissolved)	1/12/2010	General Chemistry	3.7	µg/L	1

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: **San Joaquin River at PID Pumps**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/26/2010	Aquatic Toxicity	100	%	
E	Pimephales promelas	1/26/2010	Aquatic Toxicity	97.5	%	
E	Selenastrum capricornutum	1/26/2010	Aquatic Toxicity	3730000	cells/ml	
E	Bromide	1/26/2010	General Chemistry	0.059	mg/L	1
E	Dissolved Organic Carbon	1/26/2010	General Chemistry	9.4	mg/L	0.5
E	E. coli	1/26/2010	General Chemistry	390	MPN/100 mL	1
E	Total Organic Carbon	1/26/2010	General Chemistry	9	mg/L	0.5
E	Dissolved Solids	1/26/2010	General Chemistry	490	mg/L	10
E	Hardness as CaCO3	1/26/2010	General Chemistry	230	mg/L	20
E	Suspended Solids	1/26/2010	General Chemistry	74	mg/L	3
E	Turbidity	1/26/2010	General Chemistry	54	NTU	0.5
E	Arsenic	1/26/2010	General Chemistry	2.8	µg/L	0.5
E	Boron	1/26/2010	General Chemistry	500	µg/L	10
E	Cadmium	1/26/2010	General Chemistry	0.04	µg/L	0.1
E	Cadmium (dissolved)	1/26/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/26/2010	General Chemistry	6.4	µg/L	0.5
E	Copper (dissolved)	1/26/2010	General Chemistry	1.9	µg/L	0.5
E	Lead	1/26/2010	General Chemistry	1.6	µg/L	0.25
E	Lead (dissolved)	1/26/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/26/2010	General Chemistry	7.4	µg/L	0.5
E	Nickel (dissolved)	1/26/2010	General Chemistry	2.4	µg/L	0.5
E	Selenium	1/26/2010	General Chemistry	0.94	µg/L	1
E	Zinc	1/26/2010	General Chemistry	27	µg/L	1
E	Zinc (dissolved)	1/26/2010	General Chemistry	9.2	µg/L	1
E	Ammonia as N	1/26/2010	General Chemistry	0.31	mg/L	0.1
E	Nitrate + Nitrite as N	1/26/2010	General Chemistry	2.5	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/26/2010	General Chemistry	2	mg/L	0.1
E	OrthoPhosphate as P	1/26/2010	General Chemistry	0.2	mg/L	0.01
E	Phosphate as P	1/26/2010	General Chemistry	0.28	mg/L	0.01
E	Diuron	1/26/2010	Pesticide	0.36	µg/L	0.4

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: San Joaquin River at PID Pumps

Sample Event: 64

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	2/9/2010	General Chemistry	110	MPN/100 mL	1
E	Dissolved Solids	2/9/2010	General Chemistry	770	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	320	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	110	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	65	NTU	0.5
E	Boron	2/9/2010	General Chemistry	700	µg/L	10
E	Copper	2/9/2010	General Chemistry	7.3	µg/L	0.5
E	Copper (dissolved)	2/9/2010	General Chemistry	1.1	µg/L	0.5
E	Nickel	2/9/2010	General Chemistry	12	µg/L	0.5
E	Nickel (dissolved)	2/9/2010	General Chemistry	2.3	µg/L	0.5
E	Zinc	2/9/2010	General Chemistry	19	µg/L	1
E	Zinc (dissolved)	2/9/2010	General Chemistry	2.4	µg/L	1

Monitoring Site: San Joaquin River at Sack Dam

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	9/15/2009	General Chemistry	20	MPN/100 mL	1
E	Dissolved Solids	9/15/2009	General Chemistry	310	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	130	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	97	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	33	NTU	0.1
E	Boron	9/15/2009	General Chemistry	150	µg/L	10
E	Copper	9/15/2009	General Chemistry	3.7	µg/L	0.5
E	Copper (dissolved)	9/15/2009	General Chemistry	1.2	µg/L	0.5
E	Nickel	9/15/2009	General Chemistry	3.5	µg/L	0.5
E	Nickel (dissolved)	9/15/2009	General Chemistry	0.79	µg/L	0.5
E	Zinc	9/15/2009	General Chemistry	6.3	µg/L	1
E	Zinc (dissolved)	9/15/2009	General Chemistry	0.9	µg/L	1

Monitoring Site: San Joaquin River at Sack Dam

Sample Event: 60

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	10/13/2009	General Chemistry	59	MPN/100 mL	1
E	Dissolved Solids	10/13/2009	General Chemistry	300	mg/L	10
E	Hardness as CaCO3	10/13/2009	General Chemistry	140	mg/L	20

E	Suspended Solids	10/13/2009	General Chemistry	100	mg/L	3
E	Turbidity	10/13/2009	General Chemistry	24	NTU	0.1
E	Boron	10/13/2009	General Chemistry	160	µg/L	10
E	Copper	10/13/2009	General Chemistry	4	µg/L	0.5
E	Copper (dissolved)	10/13/2009	General Chemistry	1.5	µg/L	0.5
E	Nickel	10/13/2009	General Chemistry	3.7	µg/L	0.5
E	Nickel (dissolved)	10/13/2009	General Chemistry	0.79	µg/L	0.5
E	Zinc	10/13/2009	General Chemistry	9.5	µg/L	1
E	Zinc (dissolved)	10/13/2009	General Chemistry	1.6	µg/L	1

Monitoring Site: **San Joaquin River at Sack Dam**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	11/10/2009	General Chemistry	34	MPN/100 mL	1
E	Dissolved Solids	11/10/2009	General Chemistry	290	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	150	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	14	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	5.7	NTU	0.05
E	Boron	11/10/2009	General Chemistry	300	µg/L	10
E	Copper	11/10/2009	General Chemistry	3.3	µg/L	0.5
E	Copper (dissolved)	11/10/2009	General Chemistry	1	µg/L	0.5
E	Nickel	11/10/2009	General Chemistry	2.9	µg/L	0.5
E	Nickel (dissolved)	11/10/2009	General Chemistry	0.82	µg/L	0.5
E	Zinc	11/10/2009	General Chemistry	7	µg/L	1
E	Zinc (dissolved)	11/10/2009	General Chemistry	ND	µg/L	1

Monitoring Site: **San Joaquin River at Sack Dam**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	1/12/2010	General Chemistry	8.5	MPN/100 mL	1
E	Dissolved Solids	1/12/2010	General Chemistry	460	mg/L	10
E	Hardness as CaCO3	1/12/2010	General Chemistry	200	mg/L	20
E	Suspended Solids	1/12/2010	General Chemistry	4	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	20	NTU	0.2
E	Boron	1/12/2010	General Chemistry	410	µg/L	10
E	Copper	1/12/2010	General Chemistry	1.1	µg/L	0.5
E	Copper (dissolved)	1/12/2010	General Chemistry	0.82	µg/L	0.5
E	Nickel	1/12/2010	General Chemistry	1.5	µg/L	0.5

E	Nickel (dissolved)	1/12/2010	General Chemistry	1.2	µg/L	0.5
E	Zinc	1/12/2010	General Chemistry	1.6	µg/L	1
E	Zinc (dissolved)	1/12/2010	General Chemistry	ND	µg/L	1

Monitoring Site: **San Joaquin River at Sack Dam**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	50	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	2430000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	0.73	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	3	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	22	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	3.1	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	460	mg/L	10
E	Hardness as CaCO3	1/21/2010	General Chemistry	210	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	ND	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	4.2	NTU	
E	Arsenic	1/21/2010	General Chemistry	1.5	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	380	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.02	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	1.2	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	0.78	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	0.15	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	ND	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	1.5	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	1	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.85	µg/L	1
E	Zinc	1/21/2010	General Chemistry	1	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	ND	µg/L	1
E	Ammonia as N	1/21/2010	General Chemistry	ND	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	1.6	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	0.46	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.046	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.068	mg/L	0.01
E	Diuron	1/21/2010	Pesticide	3.1	µg/L	0.4

Westside San Joaquin River Watershed Coalition

Laboratory Data Summary by Site

Monitoring Site: San Joaquin River at Sack Dam

Sample Event: 64

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	E. coli	2/9/2010	General Chemistry	30	MPN/100 mL	1
E	Dissolved Solids	2/9/2010	General Chemistry	430	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	180	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	4	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	10	NTU	0.1
E	Boron	2/9/2010	General Chemistry	360	µg/L	10
E	Copper	2/9/2010	General Chemistry	2.9	µg/L	0.5
E	Copper (dissolved)	2/9/2010	General Chemistry	2.2	µg/L	0.5
E	Nickel	2/9/2010	General Chemistry	3.2	µg/L	0.5
E	Nickel (dissolved)	2/9/2010	General Chemistry	2.1	µg/L	0.5
E	Zinc	2/9/2010	General Chemistry	5.4	µg/L	1
E	Zinc (dissolved)	2/9/2010	General Chemistry	2.8	µg/L	1

Monitoring Site: Turner Slough at Edminster Road

Sample Event: 59

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	1.6	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	6.7	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	210	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	7	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	1300	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	490	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	ND	mg/L	3
E	Turbidity	9/15/2009	General Chemistry	4	NTU	0.05
E	Ammonia as N	9/15/2009	General Chemistry	0.14	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	1.8	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	1	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.16	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.37	mg/L	0.01

Monitoring Site: Turner Slough at Edminster Road

Sample Event: 62/R9

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	12/8/2009	General Chemistry	0.49	mg/L	1
E	Dissolved Organic Carbon	12/8/2009	General Chemistry	7.6	mg/L	0.5

E	E. coli	12/8/2009	General Chemistry	400	MPN/100 mL	1
E	Total Organic Carbon	12/8/2009	General Chemistry	7.9	mg/L	0.5
E	Dissolved Solids	12/8/2009	General Chemistry	1300	mg/L	10
E	Hardness as CaCO3	12/8/2009	General Chemistry	470	mg/L	20
E	Suspended Solids	12/8/2009	General Chemistry	160	mg/L	6
E	Turbidity	12/8/2009	General Chemistry	30	NTU	0.2
E	Arsenic	12/8/2009	General Chemistry	2.3	µg/L	0.5
E	Boron	12/8/2009	General Chemistry	390	µg/L	10
E	Cadmium	12/8/2009	General Chemistry	0.03	µg/L	0.1
E	Cadmium (dissolved)	12/8/2009	General Chemistry	0.01	µg/L	0.1
E	Copper	12/8/2009	General Chemistry	1.6	µg/L	0.5
E	Copper (dissolved)	12/8/2009	General Chemistry	0.14	µg/L	0.5
E	Lead	12/8/2009	General Chemistry	0.53	µg/L	0.25
E	Lead (dissolved)	12/8/2009	General Chemistry	ND	µg/L	0.25
E	Nickel	12/8/2009	General Chemistry	2.7	µg/L	0.5
E	Nickel (dissolved)	12/8/2009	General Chemistry	1.5	µg/L	0.5
E	Selenium	12/8/2009	General Chemistry	0.11	µg/L	1
E	Zinc	12/8/2009	General Chemistry	6.7	µg/L	1
E	Zinc (dissolved)	12/8/2009	General Chemistry	4.7	µg/L	1
E	Ammonia as N	12/8/2009	General Chemistry	0.21	mg/L	0.1
E	Nitrate + Nitrite as N	12/8/2009	General Chemistry	0.23	mg/L	0.05
E	Nitrogen, Total Kjeldahl	12/8/2009	General Chemistry	1	mg/L	0.1
E	OrthoPhosphate as P	12/8/2009	General Chemistry	0.086	mg/L	0.01
E	Phosphate as P	12/8/2009	General Chemistry	0.5	mg/L	0.01

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **62/R9**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	12/9/2009	Aquatic Toxicity	100	%	
E	Pimephales promelas	12/9/2009	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	12/9/2009	Aquatic Toxicity	4413000	cells/ml	

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **63**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	1/12/2010	General Chemistry	0.98	mg/L	1
E	Dissolved Organic Carbon	1/12/2010	General Chemistry	8.9	mg/L	0.5
E	E. coli	1/12/2010	General Chemistry	250	MPN/100 mL	1

E	Total Organic Carbon	1/12/2010	General Chemistry	11	mg/L	0.5
E	Dissolved Solids	1/12/2010	General Chemistry	1500	mg/L	20
E	Hardness as CaCO3	1/12/2010	General Chemistry	520	mg/L	20
E	Suspended Solids	1/12/2010	General Chemistry	500	mg/L	3
E	Turbidity	1/12/2010	General Chemistry	35	NTU	0.2
E	Ammonia as N	1/12/2010	General Chemistry	0.23	mg/L	0.1
E	Nitrate + Nitrite as N	1/12/2010	General Chemistry	0.026	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/12/2010	General Chemistry	2.2	mg/L	0.1
E	OrthoPhosphate as P	1/12/2010	General Chemistry	0.21	mg/L	0.01
E	Phosphate as P	1/12/2010	General Chemistry	1.2	mg/L	0.01

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **R10**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Ceriodaphnia dubia	1/21/2010	Aquatic Toxicity	100	%	
E	Pimephales promelas	1/21/2010	Aquatic Toxicity	100	%	
E	Selenastrum capricornutum	1/21/2010	Aquatic Toxicity	2173000	cells/ml	
E	Bromide	1/21/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	1/21/2010	General Chemistry	11	mg/L	0.5
E	E. coli	1/21/2010	General Chemistry	2400	MPN/100 mL	1
E	Total Organic Carbon	1/21/2010	General Chemistry	10	mg/L	0.5
E	Dissolved Solids	1/21/2010	General Chemistry	130	mg/L	20
E	Hardness as CaCO3	1/21/2010	General Chemistry	74	mg/L	20
E	Suspended Solids	1/21/2010	General Chemistry	73	mg/L	3
E	Turbidity	1/21/2010	General Chemistry	83	NTU	0.5
E	Arsenic	1/21/2010	General Chemistry	1.5	µg/L	0.5
E	Boron	1/21/2010	General Chemistry	21	µg/L	10
E	Cadmium	1/21/2010	General Chemistry	0.07	µg/L	0.1
E	Cadmium (dissolved)	1/21/2010	General Chemistry	0.02	µg/L	0.1
E	Copper	1/21/2010	General Chemistry	9	µg/L	0.5
E	Copper (dissolved)	1/21/2010	General Chemistry	3.1	µg/L	0.5
E	Lead	1/21/2010	General Chemistry	3.6	µg/L	0.25
E	Lead (dissolved)	1/21/2010	General Chemistry	0.17	µg/L	0.25
E	Nickel	1/21/2010	General Chemistry	6.1	µg/L	0.5
E	Nickel (dissolved)	1/21/2010	General Chemistry	2.1	µg/L	0.5
E	Selenium	1/21/2010	General Chemistry	0.14	µg/L	1
E	Zinc	1/21/2010	General Chemistry	15	µg/L	1
E	Zinc (dissolved)	1/21/2010	General Chemistry	1.5	µg/L	1

E	Ammonia as N	1/21/2010	General Chemistry	0.14	mg/L	0.1
E	Nitrate + Nitrite as N	1/21/2010	General Chemistry	0.45	mg/L	0.05
E	Nitrogen, Total Kjeldahl	1/21/2010	General Chemistry	1.9	mg/L	0.1
E	OrthoPhosphate as P	1/21/2010	General Chemistry	0.056	mg/L	0.01
E	Phosphate as P	1/21/2010	General Chemistry	0.14	mg/L	0.01
E	Diuron	1/21/2010	Pesticide	1.1	µg/L	0.4

Monitoring Site: **Turner Slough at Edminster Road**

Sample Event: **64**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	2/9/2010	General Chemistry	ND	mg/L	1
E	Dissolved Organic Carbon	2/9/2010	General Chemistry	8	mg/L	0.5
E	E. coli	2/9/2010	General Chemistry	330	MPN/100 mL	1
E	Total Organic Carbon	2/9/2010	General Chemistry	7.9	mg/L	0.5
E	Dissolved Solids	2/9/2010	General Chemistry	110	mg/L	10
E	Hardness as CaCO3	2/9/2010	General Chemistry	66	mg/L	20
E	Suspended Solids	2/9/2010	General Chemistry	13	mg/L	3
E	Turbidity	2/9/2010	General Chemistry	17	NTU	0.05
E	Ammonia as N	2/9/2010	General Chemistry	0.12	mg/L	0.1
E	Nitrate + Nitrite as N	2/9/2010	General Chemistry	0.061	mg/L	0.05
E	Nitrogen, Total Kjeldahl	2/9/2010	General Chemistry	1.2	mg/L	0.1
E	OrthoPhosphate as P	2/9/2010	General Chemistry	0.041	mg/L	0.01
E	Phosphate as P	2/9/2010	General Chemistry	0.12	mg/L	0.01

Monitoring Site: **Westley Wasteway near Cox Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Hyalella azteca	9/14/2009	Sediment Toxicity	92.5	%	

Monitoring Site: **Westley Wasteway near Cox Road**

Sample Event: **59**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	9/15/2009	General Chemistry	0.54	mg/L	1
E	Dissolved Organic Carbon	9/15/2009	General Chemistry	3.2	mg/L	0.5
E	E. coli	9/15/2009	General Chemistry	160	MPN/100 mL	1
E	Total Organic Carbon	9/15/2009	General Chemistry	4.8	mg/L	0.5
E	Dissolved Solids	9/15/2009	General Chemistry	530	mg/L	10
E	Hardness as CaCO3	9/15/2009	General Chemistry	250	mg/L	20
E	Suspended Solids	9/15/2009	General Chemistry	28	mg/L	3

E	Turbidity	9/15/2009	General Chemistry	11	NTU	0.05
E	Ammonia as N	9/15/2009	General Chemistry	0.12	mg/L	0.1
E	Nitrate + Nitrite as N	9/15/2009	General Chemistry	3.3	mg/L	0.05
E	Nitrogen, Total Kjeldahl	9/15/2009	General Chemistry	0.36	mg/L	0.1
E	OrthoPhosphate as P	9/15/2009	General Chemistry	0.11	mg/L	0.01
E	Phosphate as P	9/15/2009	General Chemistry	0.18	mg/L	0.01

Monitoring Site: **Westley Wasteway near Cox Road**

Sample Event: **61**

Sample Type	Analyte/Species	Sample Date	Type	Results	Units	DLR
E	Bromide	11/10/2009	General Chemistry	0.78	mg/L	1
E	Dissolved Organic Carbon	11/10/2009	General Chemistry	3.5	mg/L	0.5
E	E. coli	11/10/2009	General Chemistry	290	MPN/100 mL	1
E	Total Organic Carbon	11/10/2009	General Chemistry	4.7	mg/L	0.5
E	Dissolved Solids	11/10/2009	General Chemistry	610	mg/L	10
E	Hardness as CaCO3	11/10/2009	General Chemistry	290	mg/L	20
E	Suspended Solids	11/10/2009	General Chemistry	16	mg/L	3
E	Turbidity	11/10/2009	General Chemistry	6.9	NTU	0.05
E	Ammonia as N	11/10/2009	General Chemistry	0.19	mg/L	0.1
E	Nitrate + Nitrite as N	11/10/2009	General Chemistry	1.7	mg/L	0.05
E	Nitrogen, Total Kjeldahl	11/10/2009	General Chemistry	0.99	mg/L	0.1
E	OrthoPhosphate as P	11/10/2009	General Chemistry	0.055	mg/L	0.01
E	Phosphate as P	11/10/2009	General Chemistry	0.17	mg/L	0.01

Appendix B
Communication Reports
Organized by Event Date

Appendix C
Laboratory Data Reports and EDDs

Field Data Sheets
CalTest General Physical, Drinking Water Data, Nutrient Data, Metals Data
APPL Pesticide Analyses
Pacific Ecorisk Toxicity Reports

Appendix D

WETLAND SUBAREA WATER QUALITY DATA

Grassland Water District Real-time Water Quality Monitoring Program

Appendix E
Chlorpyrifos and Diazinon Trends Analysis Summary

Appendix F
Sampling Event Photos