APPENDIX II

HIGH PRIORITY SITE SUBWATERSHED EXCEEDANCE TABLES

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Table I-A. Dry Creek @ Wellsford Rd site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	*E. coli*, > 235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, > 0.015 µg/L	Diuron, > 2 µg/L	Thiobencarb, > 0 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Dry Creek @ Wellsford Rd	Storm	2/15/2005											80		
Dry Creek @ Wellsford Rd	Storm	3/22/2005		8.96			900								
Dry Creek @ Wellsford Rd	Irrigation	5/11/2005		6.26											
Dry Creek @ Wellsford Rd	Irrigation	6/15/2005	5.9				240								
Dry Creek @ Wellsford Rd	Irrigation	7/13/2005	5.7												
Dry Creek @ Wellsford Rd	Irrigation	8/17/2005		9.18			900			0.024					
Dry Creek @ Wellsford Rd	Irrigation	9/21/2005	6.98				500								
Dry Creek @ Wellsford Rd	Storm	3/1/2006					300								
Dry Creek @ Wellsford Rd	Storm	3/16/2006					1600								
Dry Creek @ Wellsford Rd	Irrigation	5/18/2006					280								
Dry Creek @ Wellsford Rd	Irrigation	6/15/2006	6.08												
Dry Creek @ Wellsford Rd	Irrigation	7/13/2006	6.69							0.026					
Dry Creek @ Wellsford Rd	Irrigation	8/10/2006								0.024					
Dry Creek @ Wellsford Rd	Irrigation	9/14/2006					310					0.1	70		
Dry Creek @ Wellsford Rd	Storm	2/11/2007	6.17				290				37			52	
Dry Creek @ Wellsford Rd	Storm	2/22/2007												16	
Dry Creek @ Wellsford Rd	Storm	2/28/2007					2400	8.4 (7.2)			4			32	
Dry Creek @ Wellsford Rd	Storm	3/7/2007													
Dry Creek @ Wellsford Rd	Irrigation	4/17/2007						5.1 (5.0)							
Dry Creek @ Wellsford Rd	Irrigation	6/19/2007	5.77												
Dry Creek @ Wellsford Rd	Irrigation	7/17/2007	6.64							0.021					
Dry Creek @ Wellsford Rd	Irrigation	7/31/2007	6.91												
Dry Creek @ Wellsford Rd	Irrigation	8/14/2007	6.58				440								
Dry Creek @ Wellsford Rd	Irrigation	9/11/2007	6.5				420			0.043					

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	*E. coli*, > 235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, > 0.015 µg/L	Diuron, > 2 µg/L	Thiobencarb, > 0 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Dry Creek @ Wellsford Rd	Storm	1/24/2008					>2400								
Dry Creek @ Wellsford Rd	Storm	2/26/2008					>2400	11 (6.0)	1.8 (1.7)					33	
Dry Creek @ Wellsford Rd	Sediment	3/4/2008													88
Dry Creek @ Wellsford Rd	Irrigation	4/22/2008					>2400								
Dry Creek @ Wellsford Rd	Irrigation	5/20/2008	5.67				330								
Dry Creek @ Wellsford Rd	Irrigation	6/17/2008	6.31				>2400								
Dry Creek @ Waterford Rd	*Irrigation*	*7/22/2008*	*6.08*							*0.02*					
Dry Creek @ Wellsford Rd	Irrigation	7/22/2008	6.67				>2400			0.03					
Dry Creek @ Waterford Rd	*Irrigation*	*8/19/2008*	*5.93*							*0.023*					
Dry Creek @ Wellsford Rd	Irrigation	8/19/2008	6.85				580								
Dry Creek @ Wellsford Rd	Sediment	8/28/2008	6.64												73
Dry Creek @ Wellsford Rd	Irrigation	9/23/2008					290								
Dry Creek @ Wellsford Rd	Irrigation	10/2/2008	5.83												
Dry Creek @ Wellsford Rd	Fall	10/21/2008	4.91				550								
Dry Creek @ Wellsford Rd	Fall	12/16/2008	2.77	8.68											
Dry Creek @ Wellsford Rd	Winter	1/20/2009	5.1		707										
Dry Creek @ Wellsford Rd	Winter	3/17/2009					250								
Dry Creek @ Wellsford Rd	Irrigation	5/19/2009	6.24				260								
Dry Creek @ Wellsford Rd	Irrigation	6/16/2009					1600								
Dry Creek @ Waterford Rd	*Irrigation*	*7/21/2009*	*6.89*												
Dry Creek @ Wellsford Rd	Irrigation	7/21/2009	5.9				270								
Dry Creek @ Wellsford Rd	Irrigation	8/18/2009					410			0.027					
Dry Creek @ Wellsford Rd	Fall	10/20/2009	4.04				490								
Dry Creek @ Wellsford Rd	Fall	11/17/2009	3.04				730								
Dry Creek @ Wellsford Rd	Storm	12/15/2009	6.65				820								
Dry Creek @ Wellsford Rd	Storm	1/19/2010	2.05												

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	*E. coli*, > 235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, > 0.015 µg/L	Diuron, > 2 µg/L	Thiobencarb, > 0 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Dry Creek @ Wellsford Rd	Storm	4/20/2010	6.99				2000								
Dry Creek @ Wellsford Rd	Irrigation	5/18/2010					370								
Dry Creek @ Wellsford Rd	Irrigation	6/15/2010	5.77												
Dry Creek @ Wellsford Rd	Irrigation	7/20/2010	6.30				490			0.067					
Dry Creek @ Wellsford Rd	Irrigation	8/17/2010	6.91				490								
Dry Creek @ Wellsford Rd	Fall	10/19/2010	6.01				370								
Dry Creek @ Wellsford Rd	Fall	11/16/2010	5.36	6.14			390								
Dry Creek @ Wellsford Rd	Winter	1/18/2011				660									
Dry Creek @ Wellsford Rd	Winter	3/17/2011		8.68											
Dry Creek @ Wellsford Rd	Irrigation	4/19/2011					2000								
Dry Creek @ Wellsford Rd	Irrigation	5/10/2011					340								
Dry Creek @ Wellsford Rd	Irrigation	6/14/2011	6.36				280								
Dry Creek @ Wellsford Rd	Irrigation	7/12/2011	6.82												
Dry Creek @ Wellsford Rd	Irrigation	8/9/2011	6.52												
Dry Creek @ Wellsford Rd	Irrigation	9/6/2011					240								76
Dry Creek @ Wellsford Rd	Fall	12/6/2011	6.7				330								
Dry Creek @ Wellsford Rd	Winter	1/10/2012	6.07												
Dry Creek @ Wellsford Rd	Winter	3/6/2012		8.63											
		Constituent Priority	**E**	**E**	**R**	**E**	**E**	**R**	**NP**	**A/B**	**R**	**NP[R]**	**D**	**R**	**D**

[1] Metal WQTL variable; based on hardness.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.
NP[R] – Not Prioritized; thiobencarb is only applied to rice and therefore will be managed under the Rice Coalition.

Table II-A. Duck Slough @ Hwy 99 site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, > 235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, > 0.015 µg/L	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Duck Slough @ Hwy 99	Storm	3/21/2005			1600					
Duck Slough @ Hwy 99	Irrigation	5/10/2005			1600					
Duck Slough @ Hwy 99	Irrigation	7/12/2005						0.026	77	
Duck Slough @ Hwy 99	Storm	3/15/2006			900					
Duck Slough @ Hwy 99	Irrigation	5/17/2006		8.57	280		5.2 (3.02)	0.27		
Duck Slough @ Hwy 99	Irrigation	6/14/2006			260					
Duck Slough @ Hwy 99	Irrigation	8/8/2006				3.4 (2.4)	2.3 (0.41)			
Duck Slough @ Hwy 99	Irrigation	9/13/2006	6.72		340	19 (5)	24 (1.25)			
Duck Slough @ Hwy 99	Storm	2/12/2007			2400	31 (10.1)	15 (3.59)			
Duck Slough @ Hwy 99	Storm	2/28/2007			2400					
Duck Slough @ Hwy 99	Irrigation	4/24/2007				4.1 (3.7)	1.5 (0.81)			
Duck Slough @ Hwy 99	Irrigation	6/26/2007				3 (2.4)	0.68 (0.41)			
Duck Slough @ Hwy 99	Irrigation	7/24/2007				3.5 (3)	0.64 (0.57)			
Duck Slough @ Hwy 99	Irrigation	7/31/2007		8.80				0.042		
Duck Slough @ Hwy 99	Irrigation	8/21/2007				5.5 (3.3)	1.1 (0.69)			
Duck Slough @ Hwy 99	Irrigation	8/28/2007				3.1 (2.4)				
Duck Slough @ Hwy 99	Irrigation	9/18/2007			610	6.9 (2.8)	1.8 (0.52)			
Duck Slough @ Hwy 99	Storm	1/25/2008			>2400					
Duck Slough @ Hwy 99	Storm	2/25/2008			>2400	9.9 (8.0)				
Duck Slough @ Hwy 99	Sediment	3/4/2008		8.65						
Duck Slough @ Hwy 99	Irrigation	4/29/2008			280				86	
Duck Slough @ Hwy 99	Irrigation	5/7/2008							5	
Duck Slough @ Whealan Rd	*Irrigation*	*6/24/2008*				*73 (5.0)*				
Duck Slough @ Hwy 99	Irrigation	7/29/2008				2.7 (2.6)	0.69 (0.5)			

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, > 235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, > 0.015 µg/L	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Duck Slough @ Hwy 99	Irrigation	8/26/2008					0.72 (0.69)			
Duck Slough @ Whealan Rd	*Irrigation*	*8/26/2008*				*3.4 (1.9)*				
Duck Slough @ Hwy 99	Sediment	8/28/2008								86
Duck Slough @ Hwy 99	Irrigation	9/30/2008						0.034		
Duck Slough @ Whealan Rd	*Irrigation*	*9/30/2008*				*3.7 (1.3)*				
Duck Slough @ Hwy 99	Sediment	10/2/2008								90
Duck Slough @ Hwy 99	Irrigation	6/16/2009	6.78							
		Constituent Priority	**R**	**E**	**E**	**C**	**E**	**R**	**R**	**NP**

[1]Metal WQTL variable; based on hardness.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.
NP[R] – Not Prioritized; thiobencarb is only applied to rice and therefore will be managed under the Rice Coalition.
R – Removed from active management plan.

Table III-A. Prairie Flower Drain site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and >8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	*E. coli*, >235 MPN/100 mL	Ammonia, Variable[1] or >1.5 mg/L	Nitrate as N, >10 mg/L	Nitrite as N, >1 mg/L	Nitrate + Nitrite as N, >10 mg/L	Arsenic, >10 µg/L	Molybdenum, >10 µg/L	Carbaryl, > 2.53 µg/L	Chlorpyrifos, >0.015 µg/L	DDT(p,p'), 0.00059 µg/L	Dimethoate, >1µ g/L	Malathion, >0 µg/L	*C. dubia*, (% control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Prairie Flower Drain @ Crows Landing Rd	Storm	2/15/2005			2561	1600																
Prairie Flower Drain @ Crows Landing Rd	Storm	3/22/2005	6.5		2568	1600	1600															
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/11/2005			3168	1600	500															
Prairie Flower Drain @ Crows Landing Rd	Irrigation	6/15/2005			1705	1300	300															
Prairie Flower Drain @ Crows Landing Rd	Irrigation	7/13/2005	3.2		1723	1100	1600															
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/17/2005			1779	990	1600								0.029							
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/21/2005	5.22		791	460	500								0.018							86
Prairie Flower Drain @ Crows Landing Rd	Storm	3/1/2006			2419	1600	900															
Prairie Flower Drain @ Crows Landing Rd	Storm	3/16/2006		8.77	2728	1600	300												75			
Prairie Flower Drain @ Crows Landing Rd	Storm	3/24/2006			2782																	
Prairie Flower Drain @ Crows Landing Rd	Storm	5/2/2006			2724																	92
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/18/2006			2958	1700	550															
Prairie Flower Drain @ Crows Landing Rd	Irrigation	6/15/2006			2660	1700	1300		21													
Prairie Flower Drain @ Crows Landing Rd	Irrigation	7/13/2006	5.45	8.85	1560	720	790	18												8		
Prairie Flower Drain @ Crows Landing Rd	Irrigation	7/20/2006	6.41		1950															70		
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/10/2006			2302	1800	820		17	1.1												
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/14/2006	6.01		1276	760	2400		11													
Prairie Flower Drain @ Crows Landing Rd	Storm	2/11/2007		6.12	2659	1600	2400		24													
Prairie Flower Drain @ Crows Landing Rd	Storm	3/1/2007		8.57	2592	1500			42													
Prairie Flower Drain @ Crows Landing Rd	Storm	3/7/2007			4798																	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	4/17/2007			2127	1700			25													

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and >8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	*E. coli*, >235 MPN/100 mL	Ammonia, Variable[1] or >1.5 mg/L	Nitrate as N, >10 mg/L	Nitrite as N, >1 mg/L	Nitrate + Nitrite as N, >10 mg/L	Arsenic, >10 µg/L	Molybdenum, >10 µg/L	Carbaryl, > 2.53 µg/L	Chlorpyrifos, >0.015 µg/L	DDT(p,p'), 0.00059 µg/L	Dimethoate, >1µ g/L	Malathion, >0 µg/L	*C. dubia*, (% control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/15/2007	5.59		2473	1500	920		32												88	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/23/2007			2390																	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	6/19/2007		8.54	2304	1500			41			12										
Prairie Flower Drain @ Crows Landing Rd	Irrigation	7/17/2007	4.3		1067	730			13													
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/14/2007			1126	700	260		16													
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/16/2007			2562																	59
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/28/2007	3.64		1015										0.094							
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/11/2007	7.86		1097	540	2400												0			17
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/18/2007			2262																	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/25/2007			2489																	
Prairie Flower Drain @ Crows Landing Rd	Storm	1/24/2008			2371	1500	1100		23												71	
Prairie Flower Drain @ Crows Landing Rd	Storm	1/30/2008			2944																	
Prairie Flower Drain @ Crows Landing Rd	Storm	2/26/2008			2722	1600			28												39	
Prairie Flower Drain @ Crows Landing Rd	Sediment	3/4/2008			2639																	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	4/22/2008			2548	1700	370		23												29	
Prairie Flower Drain @ Morgan Rd	*Irrigation*	*4/22/2008*	*3.29*		*2574*				*35*													
Prairie Flower Drain @ Crows Landing Rd	Irrigation	4/29/2008	5.44		1739																56	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/20/2008			2526	1600	610		26												61	
Prairie Flower Drain @ Morgan Rd	*Irrigation*	*5/20/2008*	*1.17*		*2026*				*22*													
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/27/2008			2273																88	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	6/17/2008			2049	1200	1300	2.1	19													
Prairie Flower Drain @ Morgan Rd	*Irrigation*	*6/17/2008*			*2893*				*30*													
Prairie Flower Drain @ Crows Landing Rd	Irrigation	7/22/2008	2.51		1012	620	250		11								2.7					

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and >8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	*E. coli*, >235 MPN/100 mL	Ammonia, Variable[1] or >1.5 mg/L	Nitrate as N, >10 mg/L	Nitrite as N, >1 mg/L	Nitrate + Nitrite as N, >10 mg/L	Arsenic, >10 µg/L	Molybdenum, >10 µg/L	Carbaryl, > 2.53 µg/L	Chlorpyrifos, >0.015 µg/L	DDT(p,p'), 0.00059 µg/L	Dimethoate, >1µ g/L	Malathion, >0 µg/L	*C. dubia*, (% control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Prairie Flower Drain @ Morgan Rd	*Irrigation*	*7/22/2008*	*2.76*		*1417*																	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/19/2008	4.93		956	610	440		13						0.024			0.12				
Prairie Flower Drain @ Morgan Rd	*Irrigation*	*8/19/2008*	*3.63*		*1300*				*20*													
Prairie Flower Drain @ Crows Landing Rd	Sediment	8/28/2008			1114																	90
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/23/2008			2525	1800			33													
Prairie Flower Drain @ Morgan Rd	*Irrigation*	*9/23/2008*	*3.3*		*2675*				*29*													
Prairie Flower Drain @ Crows Landing Rd	Sediment	10/2/2008			2449																	86
Prairie Flower Drain @ Crows Landing Rd	Fall	10/21/2008			1742	1100	370				27											
Prairie Flower Drain @ Crows Landing Rd	Fall	11/11/2008			2151	1500					39											
Prairie Flower Drain @ Crows Landing Rd	Fall	12/16/2008			2298	2900	1300				40											
Prairie Flower Drain @ Crows Landing Rd	Winter	1/20/2009			2414	1500					43											
Prairie Flower Drain @ Crows Landing Rd	Storm	2/7/2009			2255	1300					31											
Prairie Flower Drain @ Crows Landing Rd	Winter	3/17/2009		8.74	2394	1400					34											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	4/21/2009			2223	1400	410				24											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/19/2009	4.78		2066	1200	>2400	3.2			20										30	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	6/16/2009			2417	1400		1.3			22											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	7/21/2009			1366	820		1.8			14											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/18/2009			1984	1200					22											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/22/2009			2171	1400	1300				35											
Prairie Flower Drain @ Crows Landing Rd	Fall	10/20/2009			2459	1400	1300				25											
Prairie Flower Drain @ Crows Landing Rd	Fall	11/17/2009			2415	1500	>2400	8.8			36											
Prairie Flower Drain @ Crows Landing Rd	Storm	12/15/2009			2695	1600	2000				36											
Prairie Flower Drain @ Crows Landing Rd	Storm	1/19/2010			1837	1300	2400				43										56	

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and >8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	*E. coli*, >235 MPN/100 mL	Ammonia, Variable[1] or >1.5 mg/L	Nitrate as N, >10 mg/L	Nitrite as N, >1 mg/L	Nitrate + Nitrite as N, >10 mg/L	Arsenic, >10 µg/L	Molybdenum, >10 µg/L	Carbaryl, > 2.53 µg/L	Chlorpyrifos, >0.015 µg/L	DDT(p,p'), 0.00059 µg/L	Dimethoate, >1µ g/L	Malathion, >0 µg/L	*C. dubia*, (% control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Prairie Flower Drain @ Crows Landing Rd	Storm	2/23/2010			2833	1700	440				32											
Prairie Flower Drain @ Crows Landing Rd	Winter	3/23/2010			2833	1700	1400				31											
Prairie Flower Drain @ Crows Landing Rd	Storm	4/20/2010			2399	1500	1300				33											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/18/2010			2428	1500	460				35											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	6/15/2010	4.25		2703	1600	820				29											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	7/20/2010			2556	1500	260				26											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/17/2010			2776	1700	870				24											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/14/2010									12											
Prairie Flower Drain @ Crows Landing Rd	Fall	10/19/2010			1795	1100	580				20											
Prairie Flower Drain @ Crows Landing Rd	Fall	11/16/2010			2710	1700	460				42											
Prairie Flower Drain @ Crows Landing Rd	Fall	12/14/2010			2688	1700	>2400				40											
Prairie Flower Drain @ Crows Landing Rd	Winter	1/18/2011	5.35		2951	1800	870	1.90			29		25									
Prairie Flower Drain @ Crows Landing Rd	Storm	2/17/2011			2647	1600					33		21								82	
Prairie Flower Drain @ Crows Landing Rd	Winter	3/15/2011			2685	1700					31		19									
Prairie Flower Drain @ Crows Landing Rd	Winter	3/17/2011			2643																	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	4/19/2011	2.14		1471	800	>2400	12.00												80		
Prairie Flower Drain @ Crows Landing Rd	Irrigation	5/10/2011			1775	1000	370	1.80			17		11									
Prairie Flower Drain @ Crows Landing Rd	Irrigation	6/14/2011			2035	1200					24		13			0.017						
Prairie Flower Drain @ Crows Landing Rd	Irrigation	6/15/2011			2423																	
Prairie Flower Drain @ Crows Landing Rd	Irrigation	7/12/2011			1083	770	>2400	1.8			16											
Prairie Flower Drain @ Crows Landing Rd	Irrigation	8/9/2011			1141	680	1000	4.1						13			10		0			
Prairie Flower Drain @ Crows Landing Rd	Irrigation	9/6/2011					370				11						1.1					
Prairie Flower Drain @ Crows Landing Rd	Fall	10/11/2011	6.59		2447	1600	290				28										35	

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and >8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	*E. coli*, >235 MPN/100 mL	Ammonia, Variable[1] or >1.5 mg/L	Nitrate as N, >10 mg/L	Nitrite as N, >1 mg/L	Nitrate + Nitrite as N, >10 mg/L	Arsenic, >10 µg/L	Molybdenum, >10 µg/L	Carbaryl, > 2.53 µg/L	Chlorpyrifos, >0.015 µg/L	DDT(p,p'), 0.00059 µg/L	Dimethoate, >1µ g/L	Malathion, >0 µg/L	*C. dubia*, (% control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Prairie Flower Drain @ Crows Landing Rd	Fall	11/8/2011			2206	1500	520				33											
Prairie Flower Drain @ Crows Landing Rd	Fall	12/6/2011			2095	1400	460				41										8	
Prairie Flower Drain @ Crows Landing Rd	Winter	1/10/2012			1669	1200	>2400	5			30											
Prairie Flower Drain @ Crows Landing Rd	Winter	2/7/2012			2231	1500	820				33											
Prairie Flower Drain @ Crows Landing Rd	Winter	3/6/2012			2185	1600					36											
		Constituent Priority	**E**	**R**	**E**	**E**	**E**	**E**	**C**	**NP**	**C**	**NP**	**E**	**NP**	**R**	**NP**	**C**	**NP**	**D**	**D**	**E**	**D**

[1]Ammonia WQTL variable based on pH and temperature.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.
NP[R] – Not Prioritized; thiobencarb is only applied to rice and therefore will be managed under the Rice Coalition.
R – Removed from active management plan.

Table IV-A. Bear Creek @ Kibby Rd site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, >235 MPN/100 mL	Arsenic, >10 µg/L	Copper (Total), Variable[1] or >1300mg/L	Chlorpyrifos, >0.015 µg/L	DDT, (p,p'), >0.00059 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Bear Creek @ Kibby Rd	Storm	3/21/2005	4.4		1600							
Bear Creek @ Kibby Rd	Irrigation	5/10/2005			280					5		
Bear Creek @ Kibby Rd	Storm	3/15/2006			1600							
Bear Creek @ Kibby Rd	Irrigation	5/17/2006						0.52		0		
Bear Creek @ Kibby Rd	Irrigation	6/13/2006	6.99	8.69								
Bear Creek @ Kibby Rd	Storm	2/12/2007			2400		12 (9.3)		0.0091			
Bear Creek @ Kibby Rd	Storm	3/1/2007			1300							
Bear Creek @ Kibby Rd	Irrigation	7/24/2007						0.049		0		
Bear Creek @ Kibby Rd	Irrigation	8/21/2007		8.69								
Bear Creek @ Kibby Rd	Storm	1/24/2008			2400		8.6 (7.7)					
Bear Creek @ Kibby Rd	Storm	2/25/2008			>2400		7.2 (6.4)					
Bear Creek @ Kibby Rd	Sediment	3/4/2008		8.72								
Bear Creek @ Kibby Rd	Irrigation	4/29/2008									4	
Bear Creek @ Kibby Rd	Irrigation	5/7/2008									21	
Bear Creek @ Kibby Rd	Irrigation	6/24/2008				17						
Bear Creek @ Kibby Rd	Irrigation	7/29/2008										
Bear Creek @ Kibby Rd	Irrigation	8/26/2008					7.1 (2.4)					
Bear Creek @ Kibby Rd	Sediment	8/28/2008										91
Bear Creek @ Kibby Rd	Sediment	10/2/2008										91
Bear Creek @ Kibby Rd	Winter	2/7/2012		8.59								
Bear Creek @ Kibby Rd	Irrigation	5/9/2012		9								
		Constituent Priority	**R**	**E**	**E**	**NP**	**C**	**R**	**NP**	**R**	**NP[T]**	**NP[T]**

[1]Metal WQTL variable; based on hardness.

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

NP[T] – Not prioritized; both toxic samples were from the same sampling event (sample and resample to test for persistence).

Table V-A. Cottonwood Creek site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, >235 MPN/100 mL	Copper (Dissolved), Variable[1]	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, >0.015 µg/L	Cyanazine, >1 µg/L	Diazinon, >0.1 µg/L	Diuron, >2 µg/L	Simazine, >4 µg/L	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Cottonwood Creek @ Rd 20	Storm	2/16/2005			1600											
Cottonwood Creek @ Rd 20	Storm	3/21/2005	5.6		1600											
Cottonwood Creek @ Rd 20	Irrigation	5/10/2005			540											
Cottonwood Creek @ Rd 20	Irrigation	6/14/2005	5.7													
Cottonwood Creek @ Rd 20	Irrigation	7/12/2005	5.17													
Cottonwood Creek @ Rd 20	Irrigation	8/16/2005			300											
Cottonwood Creek @ Rd 20	Irrigation	9/20/2005	6.5													
Cottonwood Creek @ Rd 20	Storm	2/28/2006			300											
Cottonwood Creek @ Rd 20	Storm	3/15/2006			1600											
Cottonwood Creek @ Rd 20	Irrigation	5/16/2006	5.71				4.4 (3.5)									
Cottonwood Creek @ Rd 20	Irrigation	6/13/2006	6.9				8 (6.9)	0.73 (0.63)								
Cottonwood Creek @ Rd 20	Irrigation	7/11/2006	6.51													
Cottonwood Creek @ Rd 20	Irrigation	8/8/2006	6.95													
Cottonwood Creek @ Rd 20	Irrigation	9/12/2006	6.11				5.5 (4.4)									
Cottonwood Creek @ Rd 20	Irrigation	5/29/2007	6.55				6.7 (5.5)									
Cottonwood Creek @ Rd 20	Irrigation	6/19/2007					6.7 (4.1)									
Cottonwood Creek @ Rd 20	Irrigation	6/26/2007					4.3 (4.1)									
Cottonwood Creek @ Rd 20	Irrigation	7/24/2007		9.04			5.4 (4.6)									
Cottonwood Creek @ Rd 20	Irrigation	8/21/2007	6.81				5.2 (4.6)									
Cottonwood Creek @ Rd 20	Irrigation	8/23/2007	3.95													
Cottonwood Creek @ Rd 20	Storm	1/25/2008			1200		24 (3.0)	5.4 (0.6)	0.02			68		45		
Cottonwood Creek @ Rd 20	Storm	2/25/2008					21 (6.5)	1.9 (1.9)	0.04		0.2	65	5			
Cottonwood Creek @ Rd 20	Sediment	3/4/2008														96

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, >235 MPN/100 mL	Copper (Dissolved), Variable[1]	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, >0.015 µg/L	Cyanazine, >1 µg/L	Diazinon, >0.1 µg/L	Diuron, >2 µg/L	Simazine, >4 µg/L	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Cottonwood Creek @ Rd 20	Irrigation	4/29/2008			580		8 (6.9)								5	
Cottonwood Creek @ Rd 20	Irrigation	5/7/2008													4	
Cottonwood Creek @ Rd 20	Irrigation	5/27/2008			250					1						
Cottonwood Creek @ Hwy 145	*Irrigation*	*6/24/2008*					*39 (5.5)*									
Cottonwood Creek @ Rd 20	Irrigation	6/24/2008			1300											
Cottonwood Creek @ Rd 20	Irrigation	7/29/2008			1000											
Cottonwood Creek @ Hwy 145	*Irrigation*	*8/26/2008*	*6.45*													
Cottonwood Creek @ Rd 20	Irrigation	8/26/2008	6.83		390		4.4 (3.7)									
Cottonwood Creek @ Rd 20	Storm	2/7/2009			>2400											
Cottonwood Creek @ Rd 20	Irrigation	5/19/2009	6.72													
Cottonwood Creek @ Rd 20	Fall	11/17/2009			770											
Cottonwood Creek @ Rd 20	Storm	1/19/2010							0.21							
Cottonwood Creek @ Rd 20	Storm	4/20/2010	6.36			3.1 (2.17)										
Cottonwood Creek @ Rd 20	Irrigation	5/18/2010				3.6 (2.36)										
Cottonwood Creek @ Rd 20	Irrigation	6/15/2010			2000											
Cottonwood Creek @ Rd 20	Irrigation	7/20/2010	6.80													
Cottonwood Creek @ Rd 20	Irrigation	8/17/2010	6.04			5.3 (4.9)										
Cottonwood Creek @ Rd 20	Irrigation	9/14/2010	6.44													
Cottonwood Creek @ Rd 20	Fall	10/19/2010			290											
Cottonwood Creek @ Rd 20	Irrigation	4/19/2011	6.7			4.6 (3.83)										
Cottonwood Creek @ Rd 20	Irrigation	5/17/2011				3.8 (3.02)										
Cottonwood Creek @ Rd 20	Irrigation	6/21/2011			550											
Cottonwood Creek @ Rd 20	Irrigation	7/19/2011				4.3 (3.56)										
Cottonwood Creek @ Rd 20	Irrigation	8/16/2011			250											
Cottonwood Creek @ Rd 20	Irrigation	9/13/2011				5.8 (3.20)										

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, >235 MPN/100 mL	Copper (Dissolved), Variable[1]	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, >0.015 µg/L	Cyanazine, >1 µg/L	Diazinon, >0.1 µg/L	Diuron, >2 µg/L	Simazine, >4 µg/L	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Cottonwood Creek @ Rd 20	Fall	10/11/2011			>2400	4.1 (3.56)										
		Constituent Priority	**E**	**NP**	**E**	**C**	**C**	**E**	**A/B**	**NP**	**R**	**R**	**NP**	**NP**	**NP[T]**	**NP**

[1]Metal WQTL variable; based on hardness.

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

NP[R] – Not Prioritized; thiobencarb is only applied to rice and therefore will be managed under the Rice Coalition.

R – Removed from active management plan.

Table VI-A. Duck Slough site subwatershed exceedances (2004-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	Nitrate + Nitrite as N, >10 mg/L	*E. coli*, > 235 MPN/100 mL	Copper (Dissolved), Variable[1]	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Carbofuran, >0 µg/L	Chlorpyrifos, > 0.015 µg/L	Thiobencarb, > 0 µg/L	*C. dubia*, (% Control)	*H. azteca*, (% Control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)
Duck Slough @ Gurr Rd	Irrigation	7/31/2004						350					0.045					
Duck Slough @ Gurr Rd	Irrigation	8/31/2004														35.53		
Duck Slough @ Gurr Rd	Irrigation	9/29/2004			701	540												73.5
Duck Slough @ Gurr Rd	Storm	2/16/2005						1600										
Duck Slough @ Gurr Rd	Storm	3/21/2005						1600										
Duck Slough @ Gurr Rd	Irrigation	5/10/2005						1600										
Duck Slough @ Gurr Rd	Irrigation	6/14/2005						300										
Duck Slough @ Gurr Rd	Irrigation	7/12/2005						300								64.5		
Duck Slough @ Gurr Rd	Irrigation	8/16/2005						240										
Duck Slough @ Gurr Rd	Irrigation	9/20/2005														3.9		
Duck Slough @ Gurr Rd	Storm	2/28/2006													36.84			
Duck Slough @ Gurr Rd	Storm	3/10/2006													35			
Duck Slough @ Gurr Rd	Storm	3/15/2006						300							42.1			
Duck Slough @ Gurr Rd	Irrigation	5/17/2006		8.60				2000										
Duck Slough @ Gurr Rd	Irrigation	6/14/2006						690		120 (10.9)				5.8				
Duck Slough @ Gurr Rd	Irrigation	7/12/2006	6.18							14 (9.3)				0.29				
Duck Slough @ Gurr Rd	Irrigation	9/13/2006	5.53															
Duck Slough @ Gurr Rd	Storm	2/12/2007						2400		47 (12.4)	13 (4.88)							
Duck Slough @ Gurr Rd	Storm	2/28/2007						2000		11 (8.8)								
Duck Slough @ Gurr Rd	Storm	3/7/2007		9.17														
Duck Slough @ Gurr Rd	Irrigation	5/29/2007						820										
Duck Slough @ Gurr Rd	Irrigation	6/19/2007	5.85							5.4 (3)								
Duck Slough @ Gurr Rd	Irrigation	6/26/2007								4.6 (3.7)	1 (0.81)							
Duck Slough @ Gurr Rd	Irrigation	7/24/2007																74
Duck Slough @ Gurr Rd	Irrigation	9/18/2007						370										
Duck Slough @ Gurr Rd	Storm	1/25/2008						>2400		13 (9.0)	2.7 (2.4)							
Duck Slough @ Gurr Rd	Storm	2/25/2008						>2400		17 (9.3)	3.7 (3.2)							
Duck Slough @ Gurr Rd	Irrigation	4/29/2008										0.052						
Duck Slough @ Gurr Rd	Irrigation	5/27/2008																
Duck Slough @ Gurr Rd	Irrigation	6/24/2008																

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	Nitrate + Nitrite as N, >10 mg/L	*E. coli*, > 235 MPN/100 mL	Copper (Dissolved), Variable[1]	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Carbofuran, >0 µg/L	Chlorpyrifos, > 0.015 µg/L	Thiobencarb, > 0 µg/L	*C. dubia*, (% Control)	*H. azteca*, (% Control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)
Duck Slough @ Hwy 59	*Irrigation*	*6/24/2008*	*4.22*		*841*													
Duck Slough @ Gurr Rd	Irrigation	7/29/2008																
Duck Slough @ Hwy 59	*Irrigation*	*7/29/2008*	*4.83*															
Duck Slough @ Gurr Rd	Irrigation	8/26/2008																
Duck Slough @ Gurr Rd	Sediment	8/28/2008														63		
Duck Slough @ Hwy 59	*Irrigation*	*9/30/2008*	*3.33*															
Duck Slough @ Gurr Rd	Sediment	10/2/2008														93		
Duck Slough @ Gurr Rd	Storm	2/7/2009					13											
Duck Slough @ Gurr Rd	Winter	3/17/2009		9.70														
Duck Slough @ Gurr Rd	Irrigation	5/19/2009						>2400	7.3 (6.12)									
Duck Slough @ Gurr Rd	Irrigation	9/22/2009		9.03														
Duck Slough @ Gurr Rd	Fall	10/20/2009																
Duck Slough @ Gurr Rd	Fall	11/17/2009			1215			340										
Duck Slough @ Gurr Rd	Storm	12/15/2009						>2400										
Duck Slough @ Gurr Rd	Irrigation	7/20/2010		5.41														
Duck Slough @ Gurr Rd	Sediment	9/14/2010														70		
Duck Slough @ Gurr Rd	Fall	10/19/2010						250										
Duck Slough @ Gurr Rd	Storm	2/17/2011		8.65														
Duck Slough @ Gurr Rd	Winter	3/15/2011	6.78															
Duck Slough @ Gurr Rd	Irrigation	6/21/2011						240										
Duck Slough @ Gurr Rd	Irrigation	8/16/2011						580										
Duck Slough @ Gurr Rd	Irrigation	9/13/2011														90		
Duck Slough @ Gurr Rd	Fall	10/11/2011															90	
Duck Slough @ Gurr Rd	Winter	3/6/2012		8.75				260										
		Constituent Priority	**E**	**E**	**R**	**R**	**NP**	**E**	**C**	**C**	**E**	**NP**	**R**	**NP[R]**	**D**	**D**	**NP**	**R**

[1]Metal WQTL variable; based on hardness.

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

NP[R] – Not Prioritized; thiobencarb is only applied to rice and therefore will be managed under the Rice Coalition.

R – Removed from active management plan.

Table VII-A. Highline Canal @ Hwy 99 site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	*E. coli*, >235 MPN/100 mL	Total Dissolved Solids, >450 mg/L	Ammonia, Variable[1] or >1.5 mg/L	Copper (Dissolved), Variable[2]	Copper (Total), Variable[2] or >1300mg/L	Lead (Total), Variable[2]	DDT, (p,p'), >0.00059 µg/L	Chlorpyrifos, >0.015 µg/L	Diuron, >2 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Highline Canal @ Hwy 99	Irrigation	5/10/2005													47		
Highline Canal @ Hwy 99	Irrigation	5/19/2005													0		
Highline Canal @ Hwy 99	Irrigation	9/20/2005															90
Highline Canal @ Hwy 99	Storm	3/1/2006	5.6										0.021			2	
Highline Canal @ Hwy 99	Storm	3/16/2006				300									0		
Highline Canal @ Hwy 99	Storm	5/2/2006		8.73													
Highline Canal @ Hwy 99	Irrigation	5/17/2006									0.42 (0.36)						
Highline Canal @ Hwy 99	Irrigation	8/9/2006									0.39 (0.31)						90
Highline Canal @ Hwy 99	Irrigation	9/5/2006															80
Highline Canal @ Hwy 99	Irrigation	9/13/2006													67		
Highline Canal @ Hwy 99	Storm	2/11/2007								3 (2.2)	0.52 (0.36)			25			
Highline Canal @ Hwy 99	Irrigation	4/17/2007								11 (10.1)	5.1 (3.59)						
Highline Canal @ Hwy 99	Irrigation	5/15/2007		8.56		250											
Highline Canal @ Hwy 99	Irrigation	6/19/2007				320				2.4 (1.9)	0.5 (0.31)						
Highline Canal @ Hwy 99	Irrigation	7/17/2007				440				3.2 (2.2)	1 (0.36)		0.017				
Highline Canal @ Hwy 99	Irrigation	8/14/2007		8.62						1.9 (1.7)	0.44 (0.26)						
Highline Canal @ Hwy 99	Irrigation	9/25/2007		8.73													
Highline Canal @ Hwy 99	Storm	1/24/2008				>2400	500	3.3		37 (14.7)			0.019	3.2			
Highline Canal @ Hwy 99	Storm	2/26/2008			747	>2400	520	8.3		81 (81)						72	
Highline Canal @ Hwy 99	Sediment	3/4/2008															90
Highline Canal @ Hwy 99	Storm	3/4/2008		9.32													
Highline Canal @ Hwy 99	Irrigation	4/22/2008														63	
Highline Canal @ Hwy 99	Irrigation	5/7/2008		8.69													
Highline Canal @ Hwy 99	Irrigation	5/20/2008				240										76	
Highline Canal @ Hwy 99	Irrigation	6/3/2008		8.61													
Highline Canal @ Hwy 99	Irrigation	7/22/2008											0.021				
Highline Canal @ Hwy 99	Irrigation	8/19/2008		9.24													

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	*E. coli*, >235 MPN/100 mL	Total Dissolved Solids, >450 mg/L	Ammonia, Variable[1] or >1.5 mg/L	Copper (Dissolved), Variable[2]	Copper (Total), Variable[2] or >1300mg/L	Lead (Total), Variable[2]	DDT, (p,p'), >0.00059 µg/L	Chlorpyrifos, >0.015 µg/L	Diuron, >2 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Highline Canal @ Hwy 99	Sediment	8/28/2008															94
Highline Canal @ Hwy 99	Irrigation	9/9/2008		8.54													
Highline Canal @ Hwy 99	Sediment	10/2/2008															92
Highline Canal @ Hwy 99	Storm	2/7/2009		8.86													
Highline Canal @ Hwy 99	Irrigation	5/19/2009				340											
Highline Canal @ Hwy 99	Irrigation	6/16/2009		8.95													
Highline Canal @ Hwy 99	Irrigation	7/21/2009											0.093				
Highline Canal @ Hwy 99	Irrigation	8/18/2009		9.03													
Highline Canal @ Hwy 99	Irrigation	9/22/2009		8.61													
Highline Canal @ Hwy 99	Storm	12/15/2009		8.61													
Highline Canal @ Hwy 99	Storm	1/19/2010				1700											
Highline Canal @ Hwy 99	Storm	2/23/2010				790											
Highline Canal @ Hwy 99	Winter	3/15/2011				>2400											
Highline Canal @ Hwy 99	Irrigation	6/14/2011										0.013					
Highline Canal @ Hwy 99	Fall	11/8/2011		8.77													
Highline Canal @ Hwy 99	Winter	1/10/2012							4.5 (2.65)								
Highline Canal @ Hwy 99	Winter	2/7/2012		9.51					3.8 (2.07)								
		Constituent Priority	**NP**	**E**	**R**	**E**	**R**	**E**	**C**	**C**	**E**	**NP**	**R**	**R**	**D**	**D**	**D**

[1]Ammonia WQTL variable based on pH and temperature.
[2]Metal WQTL variable; based on hardness.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

Table VIII-A. Berenda Slough site subwatershed exceedances (2006-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	E. coli, >235 MPN/100 mL	Copper (Dissolved), Variable[1]	Chlorpyrifos, >0.015 µg/L	Diuron, >2 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)
Berenda Slough along Ave 18 1/2	Irrigation	5/16/2006								
Berenda Slough along Ave 18 1/2	Irrigation	6/13/2006	5.49		460					
Berenda Slough along Ave 18 1/2	Irrigation	7/11/2006	6.54				0.043			
Berenda Slough along Ave 18 1/2	Irrigation	8/8/2006								
Berenda Slough along Ave 18 1/2	Irrigation	9/12/2006					0.14		40	
Berenda Slough along Ave 18 1/2	Irrigation	5/29/2007	1.75					3.4		78
Berenda Slough along Ave 18 1/2	Irrigation	6/5/2007	3.07							
Berenda Slough along Ave 18 1/2	Irrigation	6/26/2007	5.20		390					
Berenda Slough along Ave 18 1/2	Irrigation	7/24/2007	6.37				0.028			12
Berenda Slough along Ave 18 1/2	Irrigation	7/31/2007	4.72							70
Berenda Slough along Ave 18 1/2	Irrigation	8/21/2007	6.13							
Berenda Slough @ Rd 19	*Irrigation*	*7/29/2008*	*1.10*							
Berenda Slough along Ave 18 1/2	Winter	1/18/2011			520	6.8 (2.65)				
Berenda Slough along Ave 18 1/2	Storm	2/17/2011			400	3.6 (1.87)				
Berenda Slough along Ave 18 1/2	Winter	3/17/2011	6.72							
Berenda Slough along Ave 18 1/2	Irrigation	4/19/2011				3.3 (1.36)	0.021			
Berenda Slough along Ave 18 1/2	Irrigation	5/17/2011				3.8 (1.57)				
Berenda Slough along Ave 18 1/2	Irrigation	6/21/2011				3.6 (1.46)				
Berenda Slough along Ave 18 1/2	Irrigation	7/19/2011				2.6 (1.03)				
Berenda Slough along Ave 18 1/2	Irrigation	8/16/2011			290	2.3 (1.25)				
Berenda Slough along Ave 18 1/2	Irrigation	9/13/2011			370	2.1 (1.46)				
Berenda Slough along Ave 18 1/2	Fall	10/11/2011	5.69		1600	4.2 (1.03)				
Berenda Slough along Ave 18 1/2	Fall	11/8/2011				3.1 (2.46)				
Berenda Slough along Ave 18 1/2	Fall	12/6/2011				3.7 (3.38)				
Berenda Slough along Ave 18 1/2	Winter	3/6/2012		9.1						

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	E. coli, >235 MPN/100 mL	Copper (Dissolved), Variable[1]	Chlorpyrifos, >0.015 µg/L	Diuron, >2 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)
Berenda Slough along Ave 18 1/2	Irrigation	6/12/2012				5.7 (3.02)				
Berenda Slough along Ave 18 1/2	Irrigation	7/10/2012				4.8 (3.02)				
Berenda Slough along Ave 18 1/2	Irrigation	8/14/2012	3.72							
		Constituent Priority	**E**	**NP**	**E**	**C**	**A/B**	**NP**	**NP**	**D**

[1]Dissolved metals not analyzed until October 2008; WQTL variable based on hardness.

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

Table IX-A. Dry Creek @ Rd 18 site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, >235 MPN/100 mL	Copper (Dissolved), Variable[2]	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Zinc (Total), Variable[1]	Chlorpyrifos, >0.015 µg/L	Diazinon, >0.1 µg/L	Diuron, >2 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Dry Creek @ Rd 18	Irrigation	8/16/2005		6.48											
Dry Creek @ Rd 18	Irrigation	9/20/2005			500										
Dry Creek @ Rd 18	Storm	5/3/2006													84
Dry Creek @ Rd 18	Irrigation	5/16/2006			1600		4.3 (1.9)	0.36 (0.31)							
Dry Creek @ Rd 18	Irrigation	6/13/2006					6.3 (1.5)	0.27 (0.21)					80		
Dry Creek @ Rd 18	Irrigation	7/11/2006					4.1 (2.4)			0.077					
Dry Creek @ Rd 18	Irrigation	8/8/2006					4.6 (2.2)								
Dry Creek @ Rd 18	Irrigation	9/12/2006	5.61				6.1 (1.1)	0.31 (0.13)	18 (14.1)						
Dry Creek @ Rd 18	Storm	2/11/2007					14 (3.9)				0.13				
Dry Creek @ Rd 18	Irrigation	4/24/2007			1400		17 (15.4)			0.017					
Dry Creek @ Rd 18	Irrigation	5/29/2007					4.7 (2.4)							64	
Dry Creek @ Rd 18	Irrigation	6/19/2007					4.9 (1.5)								
Dry Creek @ Rd 18	Irrigation	6/26/2007					3.6 (1.9)								
Dry Creek @ Rd 18	Irrigation	7/24/2007					5.6 (2.2)								
Dry Creek @ Rd 18	Irrigation	7/31/2007					4.5 (1.5)								
Dry Creek @ Rd 18	Irrigation	8/21/2007					5.5 (1.9)	0.34 (0.31)							
Dry Creek @ Rd 18	Irrigation	8/28/2007		8.53			4.3 (1.9)								
Dry Creek @ Rd 18	Storm	1/25/2008			>2400		20 (5.9)					21		36	
Dry Creek @ Rd 18	Storm	2/25/2008					33 (5.5)			0.034	0.24	2		77	
Dry Creek @ Rd 18	Storm, RS	3/4/2008												35	
Dry Creek @ Rd 18	Irrigation	4/29/2008					6.8 (3.0)								
Dry Creek @ Rd 18	Irrigation	5/27/2008					5 (3.5)								
Dry Creek @ Rd 18	Irrigation	6/24/2008					4 (2.6)								
Dry Creek @ Rd 18	Irrigation	7/29/2008					5.9 (1.5)								
Dry Creek @ Rd 18	Irrigation	8/26/2008	5.82				5.1 (1.3)	0.36 (0.17)							
Dry Creek @ Rd 18	Sediment	8/28/2008	5.62												89

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, >235 MPN/100 mL	Copper (Dissolved), Variable[2]	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Zinc (Total), Variable[1]	Chlorpyrifos, >0.015 µg/L	Diazinon, >0.1 µg/L	Diuron, >2 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Dry Creek @ Rd 22	*Irrigation*	*4/29/2008*		*8.8*			*5.2 (3.0)*								
Dry Creek @ Rd 22	*Irrigation*	*5/27/2008*					*5.7 (4.1)*								
Dry Creek @ Rd 22	*Irrigation*	*6/24/2008*					*6.5 (2.6)*								
Dry Creek @ Rd 22	*Irrigation*	*7/29/2008*					*7 (2.4)*								
Dry Creek @ Rd 28 1/2	*Irrigation*	*7/29/2008*					*5.3 (1.7)*								
Dry Creek @ Rd 22	*Irrigation*	*8/26/2008*					*6.5 (1.5)*								
Dry Creek @ Rd 22	*Irrigation*	*9/30/2008*	*3.97*				*36 (8.2)*								
Dry Creek @ Rd 18	Winter	1/18/2011				12 (8.65)									
Dry Creek @ Rd 18	Storm	2/17/2011		8.71											
Dry Creek @ Rd 18	Irrigation	4/19/2011				3.9 (3.20)									
Dry Creek @ Rd 18	Irrigation	5/17/2011				2.9 (1.36)									
Dry Creek @ Rd 18	Irrigation	6/21/2011				4.8 (1.03)									
Dry Creek @ Rd 18	Irrigation	7/19/2011		5.88		4.3 (0.81)									
Dry Creek @ Rd 18	Irrigation	8/16/2011				5.0 (0.81)									
Dry Creek @ Rd 18	Irrigation	9/13/2011				4.6 (1.03)									
Dry Creek @ Rd 18	Winter	2/7/2012		8.58											
		Constituent Priority	**E**	**E**	**E**	**C**	**C**	**E**	**NP**	**A/B**	**A/B**	**C**	**NP**	**D**	**D**

[1]Metal WQTL variable; based on hardness.
[2]Dissolved metals not analyzed until October 2008; WQTL variable based on hardness.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.
RS – Resampling due to toxicity.

Table X-A. Lateral 2 ½ near Keyes Rd site subwatershed exceedances (2008-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte.

Site Name	Season	Sample Date	pH, <6.5 and > 8.5 units	Ammonia, Variable[1] or >1.5 mg/L	Nitrate + Nitrite as N, >10 mg/L	*E. coli*, >235 MPN/100 mL	Chlorpyrifos, >0.015 µg/L	HCH, delta, >0.0039 µg/L	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Lateral 2 ½ near Keyes Rd	Fall	10/21/2008	9.57			280				
Lateral 2 ½ near Keyes Rd	Fall	11/11/2008	9.09	0.65 (0.57)		370		0.013		
Lateral 2 ½ near Keyes Rd	Irrigation	4/21/2009	9.2							90
Lateral 2 ½ near Keyes Rd	Irrigation	5/19/2009							56	
Lateral 2 ½ near Keyes Rd	Irrigation	7/21/2009					0.049			
Lateral 2 ½ near Keyes Rd	Irrigation	8/18/2009			15					
Lateral 2 ½ near Keyes Rd	Fall	10/20/2009	8.68							
Lateral 2 ½ near Keyes Rd	Storm	4/20/2010					0.076			
Lateral 2 ½ near Keyes Rd	Irrigation	7/20/2010					0.061			
Lateral 2 ½ near Keyes Rd	Irrigation	4/19/2011	8.71							
		Constituent Priority	**E**	**NP**	**NP**	**R**	**A/B**	**NP**	**NP**	**NP**

[1]Ammonia WQTL variable based on pH and temperature.

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

Table XI-A. Livingston Drain @ Robin Ave site subwatershed exceedances (2007-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Nitrate as N, >10 mg/L	*E. coli*, >235 MPN/100 mL	Copper (Dissolved), Variable[1]	Copper (Total), Variable[2] or >1300mg/L	Lead (Total), Variable[2]	Chlorpyrifos, > 0.015 µg/L	*S. capricornutum*, (% Control)
Livingston Drain @ Robin Ave	Irrigation	5/15/2007		8.95				18 (13.2)			
Livingston Drain @ Robin Ave	Irrigation	6/19/2007						16 (4.4)			
Livingston Drain @ Robin Ave	Irrigation	7/17/2007		8.82				7.8 (5.3)			
Livingston Drain @ Robin Ave	Irrigation	8/14/2007								0.016	
Livingston Drain @ Robin Ave	Irrigation	9/11/2007		8.57				14 (6.4)			
Livingston Drain @ Robin Ave	Storm	1/24/2008				1700		6.7 (3.1)	2.4 (0.6)	0.02	
Livingston Drain @ Robin Ave	Storm	2/26/2008	5.68					15 (4.1)	1.1 (0.9)		61
Livingston Drain @ Robin Ave	Irrigation	4/22/2008									58
Livingston Drain @ Robin Ave	Irrigation, RS	4/29/2008									63
Livingston Drain @ Robin Ave	Irrigation	5/20/2008		8.79							62
Livingston Drain @ Robin Ave	Irrigation, RS	5/27/2008		8.68							
Livingston Drain @ Robin Ave	Irrigation	6/3/2008		8.61							
Livingston Drain @ Robin Ave	Irrigation	6/17/2008		8.97	11			45 (13)		0.23	
Livingston Drain @ Robin Ave	Irrigation	7/8/2008		8.97				110 (5.7)			
Livingston Drain @ Robin Ave	Irrigation	7/22/2008				440		17 (16.9)		0.025	
Livingston Drain @ Robin Ave	Irrigation	8/19/2008									
Livingston Drain @ Robin Ave	Sediment	8/28/2008		8.67							
Livingston Drain @ Robin Ave	Irrigation	9/9/2008		8.72							
Livingston Drain @ Robin Ave	Irrigation	9/23/2008		9.02							
Livingston Drain @ Robin Ave	Irrigation	7/19/2011					2.6 (1.67)				
Livingston Drain @ Robin Ave	Irrigation	9/13/2011					1.7 (1.25)				
Livingston Drain @ Robin Ave	Winter	2/7/2012					12 (2.46)				
		Constituent Priority	**NP**	**E**	**NP**	**E**	**C**	**C**	**E**	**A/B**	**D**

[1]Dissolved metals not analyzed until October 2008; WQTL variable based on hardness.
[2]Metal WQTL variable; based on hardness.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL
RS – Resampling due to toxicity.

Table XII-A. Black Rascal Creek@ Yosemite Rd site subwatershed exceedances (2006-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	E. coli, >235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, >0.015 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Black Rascal Creek @ Yosemite Rd	Irrigation	5/18/2006	5.41		2400			0.033			
Black Rascal Creek @ Yosemite Rd	Irrigation	6/14/2006			490						
Black Rascal Creek @ Yosemite Rd	Irrigation	7/12/2006	5.53								
Black Rascal Creek @ Yosemite Rd	Irrigation	8/9/2006	5.65								
Black Rascal Creek @ Yosemite Rd	Irrigation	9/12/2006	5.56								
Black Rascal Creek @ Yosemite Rd	Storm	2/12/2007			2400						
Black Rascal Creek @ Yosemite Rd	Storm	3/1/2007			2400						
Black Rascal Creek @ Yosemite Rd	Irrigation	5/29/2007	3.93		770				20		
Black Rascal Creek @ Yosemite Rd	Irrigation	6/26/2007	6.95								
Black Rascal Creek @ Yosemite Rd	Irrigation	7/24/2007			580			3.7	0		
Black Rascal Creek @ Yosemite Rd	Irrigation	7/31/2007							0		
Black Rascal Creek @ Yosemite Rd	Irrigation	8/21/2007	6.42					0.12	0		
Black Rascal Creek @ Yosemite Rd	Sediment	8/23/2007	5.69								
Black Rascal Creek @ Yosemite Rd	Irrigation	8/28/2007	6.18						0		
Black Rascal Creek @ Yosemite Rd	Irrigation	9/18/2007						0.031			
Black Rascal Creek @ Yosemite Rd	Storm	1/24/2008			>2400						
Black Rascal Creek @ Yosemite Rd	Storm	2/25/2008			>2400					38	
Black Rascal Creek @ Yosemite Rd	Irrigation	4/29/2008		8.8	770	8 (7.7)	2.4 (2.39)				
Black Rascal Creek @ Yosemite Rd	Irrigation	5/27/2008			920						
Black Rascal Creek @ Yosemite Rd	Irrigation	6/24/2008			490						
Black Rascal Creek @ Yosemite Rd	Irrigation	7/8/2008	2.30								
Black Rascal Creek @ Yosemite Rd	Irrigation	7/29/2008	4.49								
Black Rascal Creek @ Yosemite Rd	Irrigation	8/5/2008	5.58								
Black Rascal Creek @ Yosemite Rd	Irrigation	8/26/2008	2.58								

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	E. coli, >235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, >0.015 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Black Rascal Creek @ Yosemite Rd	Sediment	8/28/2008	2.26								63
Black Rascal Creek @ Yosemite Rd	Irrigation	9/9/2008	4.18								
Black Rascal Creek @ Yosemite Rd	Irrigation	9/30/2008	3.75	5			1.3 (0.75)				
Black Rascal Creek @ Yosemite Rd	Sediment	10/2/2008	5.05								
		Constituent Priority	**E**	**E**	**E**	**NP**	**E**	**A/B**	**D**	**NP**	**NP**

[1]Metal WQTL variable; based on hardness.

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

Table XIII-A. Deadman Creek @ Gurr Rd site subwatershed exceedances (2004-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	Ammonia, Variable[1] or >1.5 mg/L	E. coli, >235 MPN/100 mL	Arsenic, >10 µg/L	Copper (Total), Variable[2] or >1300mg/L	Chlorpyrifos, >0.015 µg/L	DDT (p,p'), > 0.00059µg/L	Dieldrin, >0.00014 µg/L	Malathion, >0 µg/L	*C. dubia*, (% Control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)
Deadman Creek @ Gurr Rd	Irrigation	7/31/04	6.85					1600									
Deadman Creek @ Gurr Rd	Irrigation	8/31/04						1600									
Deadman Creek @ Gurr Rd	Irrigation	9/29/04	6.70					500									
Deadman Creek @ Gurr Rd	Irrigation	5/17/06						1200									
Deadman Creek @ Gurr Rd	Irrigation	6/13/06	5.01					310								88	
Deadman Creek @ Gurr Rd	Irrigation	7/11/06	6.50					490									
Deadman Creek @ Gurr Rd	Irrigation	8/8/06	6.96					390						0.19			
Deadman Creek @ Gurr Rd	Irrigation	9/12/06	6.08					2400			0.027						
Deadman Creek @ Gurr Rd	Storm	2/11/07						2400	14	16 (15.4)							
Deadman Creek @ Gurr Rd	Storm	2/28/07						1000	14								
Deadman Creek @ Gurr Rd	Irrigation	4/24/07								9.2 (7.7)							
Deadman Creek @ Gurr Rd	Irrigation	5/29/07	5.11					1400		8.8 (7.5)						87	
Deadman Creek @ Gurr Rd	Irrigation	6/26/07						460									
Deadman Creek @ Gurr Rd	Irrigation	7/24/07	5.38														42
Deadman Creek @ Gurr Rd	Irrigation	9/18/07	5.88					820									
Deadman Creek @ Gurr Rd	Storm	1/25/08						870	15	19 (11.7)		0.0073					
Deadman Creek @ Gurr Rd	Storm	2/25/08		8.51				550	13								47
Deadman Creek @ Gurr Rd	Irrigation	4/29/08						>2400	18				0.028				
Deadman Creek @ Gurr Rd	Irrigation	5/27/08			801	520											
Deadman Creek @ Gurr Rd	Irrigation	6/24/08	4.85														
Deadman Creek @ Gurr Rd	Irrigation	7/29/08	6.87														
Deadman Creek @ Gurr Rd	Irrigation	8/26/08	5.21					330									
Deadman Creek @ Gurr Rd	Sediment	8/28/08	5.90														
Deadman Creek @ Gurr Rd	Irrigation	9/30/08	5.46					330									
Deadman Creek @ Gurr Rd	Fall	10/2108						1400	12								

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	Ammonia, Variable[1] or >1.5 mg/L	E. coli, >235 MPN/100 mL	Arsenic, >10 µg/L	Copper (Total), Variable[2] or >1300mg/L	Chlorpyrifos, >0.015 µg/L	DDT (p,p'), > 0.00059µg/L	Dieldrin, >0.00014 µg/L	Malathion, >0 µg/L	*C. dubia*, (% Control)	*P. promelas*, (% Control)	*S. capricornutum*, (% Control)
Deadman Creek @ Gurr Rd	Fall	11/11/08						370	14								
Deadman Creek @ Gurr Rd	Fall	12/16/08						1400									
Deadman Creek @ Gurr Rd	Winter	1/20/09	5.61		762	470	5.5 (3.93)	>2400	18							88	
Deadman Creek @ Gurr Rd	Storm	2/7/09	1.01		1802	1100	50 (3.82)	>2400	30						0	0	7
Deadman Creek @ Gurr Rd	Winter	3/17/09						1600	14						10		
Deadman Creek @ Gurr Rd	Irrigation	5/19/09						490									
Deadman Creek @ Gurr Rd	Irrigation	6/16/09						730									
Deadman Creek @ Gurr Rd	Irrigation	7/21/09	6.04					460									
Deadman Creek @ Gurr Rd	Irrigation	8/18/09	6.94														
Deadman Creek @ Gurr Rd	Fall	10/20/09	6.08					490									
Deadman Creek @ Gurr Rd	Fall	11/17/09						2000									
Deadman Creek @ Gurr Rd	Non-contiguous, Storm	12/15/09	5.02		995	610	15	>2400								75	
Deadman Creek @ Gurr Rd	Storm	1/19/10						>2400									
Deadman Creek @ Gurr Rd	Storm	2/23/10						370									
Deadman Creek @ Gurr Rd	Non-contiguous,Winter	3/23/10	0.20		4023	2100	155.4	>2400			0.14				0	0	
Deadman Creek @ Gurr Rd	Storm	4/20/10						280			0.018						
Deadman Creek @ Gurr Rd	Irrigation	5/18/10						240									
Deadman Creek @ Gurr Rd	Irrigation	6/15/10	4.56					370									
Deadman Creek @ Gurr Rd	Irrigation	7/20/10	6.60					580									
Deadman Creek @ Gurr Rd	Irrigation	8/17/10	6.77								0.024						
Deadman Creek @ Gurr Rd	Sediment	9/14/10	6.82					360									
Deadman Creek @ Gurr Rd	Fall	10/19/10						340									
Deadman Creek @ Gurr Rd	Fall	11/16/10	6.82		1547	840	31 (2.05)	>2400	14						0	0	
Deadman Creek @ Gurr Rd	Non-contiguous, Fall	12/14/10	5.2					>2400									
Deadman Creek @ Gurr Rd	Non-contiguous,Winter	1/10/12		8.68													
Deadman Creek @ Gurr Rd	Winter	2/7/12		8.57													
		Constituent Priority	**E**	**NP**	**E**	**E**	**E**	**E**	**E**	**R**	**A/B**	**NP**	**NP**	**NP**	**D**	**D**	**D**

[1]Ammonia WQTL variable based on pH and temperature.

[2]Metal WQTL variable; based on hardness.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

Table XIV-A. Deadman Creek @ Hwy 59 site subwatershed exceedances (2006-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	E. coli, >235 MPN/100 mL	Arsenic, >10 µg/L	Chlorpyrifos, >0.015 µg/L	DDD (p,p'), >0.00083 µg/L	DDT (p,p'), >0.00059 µg/L	Diuron, >2 µg/L	Simazine, >4 µg/L	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Deadman Creek @ Hwy 59	Irrigation	6/13/2006	5.65					0.0053	0.05				
Deadman Creek @ Hwy 59	Irrigation	8/8/2006	6.55										
Deadman Creek @ Hwy 59	Irrigation	9/12/2006	6.53				0.059						
Deadman Creek @ Hwy 59	Storm	2/11/2007			400								
Deadman Creek @ Hwy 59	Storm	2/28/2007			490								
Deadman Creek @ Hwy 59	Irrigation	4/24/2007			310								
Deadman Creek @ Hwy 59	Irrigation	5/29/2007	6.13		490								
Deadman Creek @ Hwy 59	Irrigation	6/26/2007	6.78		610								
Deadman Creek @ Hwy 59	Irrigation	7/24/2007	4.31										
Deadman Creek @ Hwy 59	Irrigation	8/21/2007	4.47				0.038						
Deadman Creek @ Hwy 59	Irrigation	8/23/2007	2.65										
Deadman Creek @ Hwy 59	Irrigation	9/18/2007	5.43		330								
Deadman Creek @ Hwy 59	Storm	1/25/2008			>2400					6.2	25	44	
Deadman Creek @ Hwy 59	Storm	2/25/2008			1200								
Deadman Creek @ Hwy 59	Irrigation	4/29/2008			610	16						71	
Deadman Creek @ Hwy 59	Irrigation	5/7/2008										42	
Deadman Creek @ Hwy 59	Irrigation	5/27/2008			610	12							
Deadman Creek @ Hwy 59	Irrigation	6/24/2008	3.78		310	17							
Deadman Creek @ Hwy 59	Irrigation	7/29/2008	3.08		490								
Deadman Creek @ Hwy 59	Irrigation	8/5/2008	4.51				0.14						
Deadman Creek @ Hwy 59	Irrigation	8/26/2008	1.78			11							
Deadman Creek @ Hwy 59	Sediment	8/28/2008	1.05										90
Deadman Creek @ Hwy 59	Irrigation	9/9/2008	3.37				0.069						

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	E. coli, >235 MPN/100 mL	Arsenic, >10 µg/L	Chlorpyrifos, >0.015 µg/L	DDD (p,p'), >0.00083 µg/L	DDT (p,p'), >0.00059 µg/L	Diuron, >2 µg/L	Simazine, >4 µg/L	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Deadman Creek @ Hwy 59	Irrigation	9/30/2008	4.45			13							
Deadman Creek @ Hwy 59	Sediment	10/2/2008	4.22										
Deadman Creek @ Hwy 59	Winter	1/18/2011			310								
Deadman Creek @ Hwy 59	Storm	2/17/2011		8.58									
Deadman Creek @ Hwy 59	Winter	3/15/2011			580								
Deadman Creek @ Hwy 59	Irrigation	4/19/2011		9.09	2400		0.016						
Deadman Creek @ Hwy 59	Irrigation	5/17/2011		9.63									
Deadman Creek @ Hwy 59	Irrigation	6/21/2011			410								
Deadman Creek @ Hwy 59	Irrigation	7/19/2011		8.57	460								
Deadman Creek @ Hwy 59	Irrigation	9/13/2011					0.049						
Deadman Creek @ Hwy 59	Winter	1/10/2012		8.66									
Deadman Creek @ Hwy 59	Winter	2/7/2012		8.59									
Deadman Creek @ Hwy 59	Storm	4/12/2012			410	12							
Deadman Creek @ Hwy 59	Irrigation	6/12/2012	6.61										
Deadman Creek @ Hwy 59	Irrigation	9/11/2012	4.92										
Deadman Creek @ Hwy 59	Fall	10/9/2012	3.72										
		Constituent Priority	**E**	**E**	**E**	**E**	**A/B**	**NP**	**NP**	**NP**	**NP**	**D**	**NP**

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

Table XV-A. Hilmar Drain site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	Ammonia, Variable[1] or >1.5 mg/L	Nitrate as N, >10 mg/L	*E. coli*, >235 MPN/100 mL	Copper (Total), Variable[2] or >1300mg/L	Chlorpyrifos, >0.0.15 µg/L	DDD (p,p'), >0.00083 µg/L	DDE (p,p'), >0.00059 µg/L	Diuron, >2 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Hilmar Drain @ Central Ave	Storm	2/15/2005			1102	740			240								
Hilmar Drain @ Central Ave	Storm	3/22/2005			1157	760			900								
Hilmar Drain @ Central Ave	Irrigation	5/11/2005			1354	740			1600						74		
Hilmar Drain @ Central Ave	Irrigation	5/19/2005			1214												
Hilmar Drain @ Central Ave	Irrigation	6/15/2005			855	720			500								
Hilmar Drain @ Central Ave	Irrigation	7/13/2005	6.45		826	600			1600								
Hilmar Drain @ Central Ave	Irrigation	8/16/2005			788	500			1600								
Hilmar Drain @ Central Ave	Irrigation	9/21/2005				690			430								32
Hilmar Drain @ Central Ave	Storm	3/1/2006		9.55	1058	670											
Hilmar Drain @ Central Ave	Storm	3/16/2006			1215	710											
Hilmar Drain @ Central Ave	Storm	3/24/2006			1400												
Hilmar Drain @ Central Ave	Storm	5/2/2006		8.58	794												
Hilmar Drain @ Central Ave	Irrigation	5/18/2006	6.28						2400								
Hilmar Drain @ Central Ave	Irrigation	6/15/2006	6.80					12									
Hilmar Drain @ Central Ave	Irrigation	7/13/2006			1096	610	3.8	11	2400	31 (19)	0.016					36	
Hilmar Drain @ Central Ave	Irrigation	8/10/2006						13	1000			0.003					
Hilmar Drain @ Central Ave	Irrigation	9/14/2006			773	510		20									
Hilmar Drain @ Central Ave	Storm	2/11/2007					13		2400	84 (10.1)							
Hilmar Drain @ Central Ave	Storm	3/1/2007			1396	790											
Hilmar Drain @ Central Ave	Storm	3/7/2007		8.79	1633												
Hilmar Drain @ Central Ave	Irrigation	4/17/2007			1106	700			1100					3.3		69	
Hilmar Drain @ Central Ave	Irrigation	5/15/2007			1030	640		22	440								
Hilmar Drain @ Central Ave	Irrigation	6/19/2007			869	600		21	1700					6.6			
Hilmar Drain @ Central Ave	Irrigation	7/17/2007			717	460		15	340								
Hilmar Drain @ Central Ave	Irrigation	8/21/2007			793	520		18									
Hilmar Drain @ Central Ave	Irrigation	9/11/2007			703	460		18	2400								

Site Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	Ammonia, Variable[1] or >1.5 mg/L	Nitrate as N, >10 mg/L	*E. coli*, >235 MPN/100 mL	Copper (Total), Variable[2] or >1300mg/L	Chlorpyrifos, >0.0.15 µg/L	DDD (p,p'), >0.00083 µg/L	DDE (p,p'), >0.00059 µg/L	Diuron, >2 µg/L	*C. dubia*, (% Control)	*S. capricornutum*, (% Control)	*H. azteca*, (% Control)
Hilmar Drain @ Central Ave	Storm	1/24/2008			1528	970											
Hilmar Drain @ Central Ave	Storm	2/26/2008			1476	910											
Hilmar Drain @ Central Ave	Sediment	3/4/2008			1429												91
Hilmar Drain @ Central Ave	Sediment	3/28/2008	6.30		1111												
Hilmar Drain @ Central Ave	Irrigation	4/22/2008			1482	960			390							45	
Hilmar Drain @ Central Ave	Irrigation	4/29/2008												3.43		59	
Hilmar Drain @ Central Ave	Irrigation	4/29/2008	4.48		809											59	
Hilmar Drain @ Central Ave	Irrigation	5/20/2008			963	680		20	440								
Hilmar Drain @ Central Ave	Irrigation	6/17/2008			1060	650			1000								
Hilmar Drain @ Central Ave	Irrigation	7/22/2008			1074	710		21	270								
Hilmar Drain @ Central Ave	Irrigation	8/19/2008			1590	1000							0.0056				
Hilmar Drain @ Mitchell Rd	Irrigation	7/22/2008	6.93		995			28								70	
Reclamation Drain @ Williams Rd	Irrigation	7/22/08			1558												
Hilmar Drain @ Mitchell Rd	Irrigation	7/29/2008	1.81		770											22	
Hilmar Drain @ Central Ave	Sediment	8/28/2008	6.32		1172												0
Hilmar Drain @ Central Ave	Irrigation	9/23/2008			943	640		26								73	
Hilmar Drain @ Central Ave	Irrigation	9/30/2008			733											75	
Hilmar Drain @ Central Ave	Sediment	10/2/2008			1241												0
Hilmar Drain @ Central Ave	Irrigation	4/21/2009			904												
Hilmar Drain @ Central Ave	Irrigation	9/22/2009			934												
Hilmar Drain @ Central Ave	Winter	2/7/2012			983												
Hilmar Drain @ Central Ave	Winter	3/6/2012			1105												
		Constituent Priority	**E**	**E**	**E**	**E**	**E**	**C**	**E**	**C**	**R**	**NP**	**NP**	**C**	**NP**	**D**	**D**

[1]Ammonia WQTL variable based on pH and temperature.
[2]Metal WQTL variable; based on hardness.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

Table XVI-A. Hatch Drain @ Tuolumne Rd site subwatershed exceedances (2007-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Station Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	Specific Conductivity, >700 µS/cm	Total Dissolved Solids, >450 mg/L	Ammonia, Variable[1] or >1.5 mg/L	Nitrate as N, >10 mg/L	Nitrite as N, >1 mg/L	*E. coli*, >235 MPN/100 mL	Arsenic, >10 µg/L	DDT (p,p'), > 0.00059 µg/L	Dimethoate, >1µg/L	Methoxychlor, >0.03 µg/L	*H. azteca*, (% Control)	*S. capricornutum*, (% Control)
Hatch Drain @ Tuolumne Rd	Irrigation	5/15/2007	6.46	1105	700		13	2.2	2400	12					
Hatch Drain @ Tuolumne Rd	Irrigation	6/19/2007	5.54	1014	800		23		770	29					
Hatch Drain @ Tuolumne Rd	Irrigation	7/17/2007	3.05	1111	720		44		260	18					
Hatch Drain @ Tuolumne Rd	Irrigation	8/14/2007	4.22			4.70	18		2400			2.1			
Hatch Drain @ Tuolumne Rd	Irrigation	8/16/2007	5.85	1280										0	
Hatch Drain @ Tuolumne Rd	Irrigation	9/11/2007	3.53	1817	1300		24		1600	18			0.035	0	
Hatch Drain @ Tuolumne Rd	Storm	1/24/2008	4.67	1199	820		24		410	15					74
Hatch Drain @ Tuolumne Rd	Storm	1/30/2008	5.18	1343											
Hatch Drain @ Tuolumne Rd	Storm	2/26/2008	1.90	1298	900		24		920	16					6
Hatch Drain @ Tuolumne Rd	Storm Sed	3/4/2008	2.12	1271										0	73
Hatch Drain @ Tuolumne Rd	Storm Sed	3/28/2008	5.22	1373										2	
Hatch Drain @ Tuolumne Rd	Irrigation	4/22/2008	2.14	1274	880		20		1300	17	0.023				64
Hatch Drain @ Tuolumne Rd	Irrigation	4/29/2008	0.82	1323											47
Hatch Drain @ Tuolumne Rd	Irrigation	5/20/2008	1.67	1325	960		18		2400	18					60
Hatch Drain @ Tuolumne Rd	Irrigation	5/27/2008	0.73	1197											
Hatch Drain @ Tuolumne Rd	Irrigation	6/17/2008	0.99	1292	930		18		390	17					
Hatch Drain @ Tuolumne Rd	Irrigation	7/22/2008	0.67	1326	900		27		650	19					44
Hatch Drain @ Tuolumne Rd	Irrigation	7/29/2008	0.90	1301											52
Hatch Drain @ Tuolumne Rd	Irrigation	8/19/2008	1.40	1330	900		15		1400	17					43
Hatch Drain @ Tuolumne Rd	Irrigation	8/26/2008	1.10	1493											64
Hatch Drain @ Tuolumne Rd	Sediment	8/28/2008	1.31	1391										0	
Hatch Drain @ Tuolumne Rd	Irrigation	9/23/2008	1.69	1295	920		17			15					
Hatch Drain @ Tuolumne Rd	Sediment	10/2/2008	2.14	1455										5	
		Constituent Priority	**E**	**E**	**E**	**NP**	**C**	**NP**	**E**	**E**	**NP**	**NP**	**NP**	**D**	**E**

[1]Ammonia WQTL variable based on pH and temperature.

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

Table XVII-A. Highline Canal @ Lombardy Rd site subwatershed exceedances (2005-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Station Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Ammonia, Variable[1] or >1.5 mg/L	*E. coli*, >235 MPN/100 mL	Copper (Dissolved), Variable[2]	Copper (Total), Variable[3] or >1300mg/L	Lead (Total), Variable[3]	Zinc (Total), Variable[3]	Chlorpyrifos, >0.0.15 µg/L	Diuron, >2 µg/L	Malathion, >0 µg/L	Methyl parathion, >0 µg/L	Simazine, >4 µg/L	*C. dubia, (%Control)*	*H. a azteca, (%Control)*	*P. promelas*†, *%(Control)*	*S. capricornutum, %(Control)*
Highline Canal @ Lombardy Rd	Storm	3/21/2005		8.56																
Highline Canal @ Lombardy Rd	Irrigation	5/10/2005					240											74		
Highline Canal @ Lombardy Rd	Irrigation	8/17/2005		6.46																80
Highline Canal @ Lombardy Rd	Storm	3/1/2006										0.027								
Highline Canal @ Lombardy Rd	Storm	3/16/2006					900					0.018								30
Highline Canal @ Lombardy Rd	Storm	5/2/2006																50		
Highline Canal @ Lombardy Rd	Irrigation	5/17/2006								0.49 (0.46)										
Highline Canal @ Lombardy Rd	Irrigation	6/14/2006								0.55 (0.52)							65			
Highline Canal @ Lombardy Rd	Irrigation	8/9/2006								0.34 (0.31)										
Highline Canal @ Lombardy Rd	Irrigation	9/13/2006								0.29 (0.21)	23 (19.9)						38.9			
Highline Canal @ Lombardy Rd	Storm	2/11/2007							2.5 (2.2)	0.45 (0.36)										
Highline Canal @ Lombardy Rd	Storm	2/28/2007											3.2				55.6			70
Highline Canal @ Lombardy Rd	Storm	3/7/2007															0			
Highline Canal @ Lombardy Rd	Irrigation	5/15/2007							2.2 (1.9)	0.49 (0.31)										
Highline Canal @ Lombardy Rd	Irrigation	6/19/2007								0.49 (0.31)										
Highline Canal @ Lombardy Rd	Irrigation	7/17/2007										0.017								
Highline Canal @ Lombardy Rd	Irrigation	8/16/2007																92		
Highline Canal @ Lombardy Rd	Irrigation	9/11/2007																55		
Highline Canal @ Lombardy Rd	Storm	1/24/2008					2000		28 (13.2)			0.028					40			
Highline Canal @ Lombardy Rd	Storm	1/30/2008															30			
Highline Canal @ Lombardy Rd	Storm	2/26/2008				1.70			32 (10.1)							12			90	
Highline Canal @ Lombardy Rd	Storm Sed, RS	3/4/2008	0.34		1402													91	0	
Highline Canal @ Lombardy Rd	Irrigation	4/22/2008																		
Highline Canal @ Lombardy Rd	Irrigation	5/20/2008					650													53
Highline Canal @ Lombardy Rd	Irrigation	7/8/2008		8.56																
Highline Canal @ Lombardy Rd	Irrigation	8/19/2008		8.65					3.3 (1.9)	0.27 (0.26)		0.031		0.14	0.18					
Highline Canal @ Lombardy Rd	Sediment	8/28/2008																62		
Highline Canal @ Lombardy Rd	Sediment RS	10/2/2008																82		

Station Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	Specific Conductivity, >700 µS/cm	Ammonia, Variable[1] or >1.5 mg/L	*E. coli*, >235 MPN/100 mL	Copper (Dissolved), Variable[2]	Copper (Total), Variable[3] or >1300mg/L	Lead (Total), Variable[3]	Zinc (Total), Variable[3]	Chlorpyrifos, >0.0.15 µg/L	Diuron, >2 µg/L	Malathion, >0 µg/L	Methyl parathion, >0 µg/L	Simazine, >4 µg/L	*C. dubia*, (%Control)	*H. a azteca*, (%Control)	*P. promelas*†, %(Control)	*S. capricornutum*, %(Control)
Highline Canal @ Lombardy Rd	Irrigation	1/19/2010										0.016								
Highline Canal @ Lombardy Rd	Storm	2/23/2010		9.36				16 (14.10)												
Highline Canal @ Lombardy Rd	Storm	2/17/2011					420	7.9 (6.12)												
Highline Canal @ Lombardy Rd	Irrigation	4/19/2011																		8
Highline Canal @ Lombardy Rd	Irrigation	6/14/2011					310													
Highline Canal @ Lombardy Rd	Winter	2/7/2012		8.85				2.0 (1.46)												
Highline Canal @ Lombardy Rd	Winter	3/6/2012						14 (7.40)												
Highline Canal @ Lombardy Rd	Irrigation	8/14/2012		9.3																
Highline Canal @ Lombardy Rd	Irrigation	9/11/2012																		45
Highline Canal @ Lombardy Rd	Fall	11/13/12		9.24																
		Constituent Priority	**NP**	**E**	**R**	**NP**	**E**	**C**	**C**	**E**	**NP**	**A/B**	**NP**	**NP**	**NP**	**NP**	**D**	**D**	**NP**	**D**

[1]Ammonia WQTL variable based on pH and temperature.
[2]Dissolved metals not analyzed until October 2008; WQTL variable based on hardness.
[3]Metal WQTL variable; based on hardness.
NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.
NP[†]– Not prioritized; both toxic samples were from the same sampling event (sample and resample to test for persistence).
RS – Resampling due to toxicity.

Table XVIII-A. Merced River @ Santa Fe site subwatershed exceedances (2004-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Station Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	pH, <6.5 and > 8.5 units	*E. coli*, >235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Chlorpyrifos, >0.0.15 µg/L	DDT (p,p'), > 0.00059 µg/L	HCH, delta, >0.0039 µg/L	*C. dubia*, (%*Control*)	*S. capricornutum*, %(*Control*)
Merced River @ Santa Fe	Irrigation	7/31/2004									78.95	
Merced River @ Santa Fe	Irrigation	8/31/2004									42.11	
Merced River @ Santa Fe	Storm	3/21/2005										76.4
Merced River @ Santa Fe	Irrigation	8/17/2005		6.38								
Merced River @ Santa Fe	Storm	3/1/2006			1600							
Merced River @ Santa Fe	Storm	3/16/2006									35	
Merced River @ Santa Fe	Irrigation	6/14/2006	6.40									
Merced River @ Santa Fe	Storm	2/12/2007					0.82 (0.63)					
Merced River @ Santa Fe	Irrigation	7/17/2007						0.018				
Merced River @ Santa Fe	Storm	1/24/2008				22 (4.4)	5.6 (1.1)	0.59			0	
Merced River @ Santa Fe	Storm, RS	1/30/2008									0	
Merced River @ Santa Fe	Irrigation	4/22/2008	6.06									
Merced River @ Santa Fe	Fall	11/11/2008						0.1		0.051		
Merced River @ Santa Fe	Irrigation	7/21/2009	6.12									
Merced River @ Santa Fe	Fall	10/20/2009	4.82									
Merced River @ Santa Fe	Storm	1/19/2010			>2400							
Merced River @ Santa Fe	Storm	4/20/2010			440							
Merced River @ Santa Fe	Irrigation	6/14/2011			770				0.012			
		Constituent Priority	**R**	**NP**	**E**	**NP**	**E**	**A/B**	**NP**	**NP**	**D**	**NP**

[1]Metal WQTL variable; based on hardness.

NP – Not Prioritized; less than two exceedances within three consecutive monitoring years and currently no TMDL.

RS – Resampling due to toxicity.

Table XIX-A. Miles Creek @ Reilly Rd site subwatershed exceedances (2007-2012).

The WQTLs used to evaluate the data are listed in the header after the analyte. Upstream sites are italicized.

Station Name	Season	Sample Date	Dissolved Oxygen, <7 mg/L	*E. coli*, >235 MPN/100 mL	Copper (Total), Variable[1] or >1300mg/L	Lead (Total), Variable[1]	Aldicarb, µg/L	Chlorpyrifos, >0.0.15 µg/L	Methidathion	*C. dubia*, (%Control)	*H. a azteca*, (%Control)	*S. capricornutum*, %(Control)
Miles Creek @ Reilly Rd	Irrigation	5/29/2007		290	4.3 (3.5)							
Miles Creek @ Reilly Rd	Irrigation	6/26/2007		310	5.8 (4.3)	1 (0.99)	5.4					54
Miles Creek @ Reilly Rd	Irrigation	7/24/2007		340								
Miles Creek @ Reilly Rd	Irrigation	8/21/2007			5.2 (4.4)							
Miles Creek @ Reilly Rd	Irrigation	8/23/2007									94	
Miles Creek @ Reilly Rd	Irrigation	9/18/2007						0.03		60		
Miles Creek @ Reilly Rd	Storm	1/25/2008		>2400	15 (6.2)	3.2 (1.7)			2.3	0		
Miles Creek @ Reilly Rd	Storm, RS	1/30/2008								19.3		
Miles Creek @ Reilly Rd	Storm	2/25/2008		2000	34 (8.0)	7.7 (2.5)						
Miles Creek @ Reilly Rd	Irrigation	4/29/2008										25
Miles Creek @ Reilly Rd	Irrigation	5/7/2008										51
Miles Creek @ Reilly Rd	Irrigation	5/27/2008		>2400								
Miles Creek @ Reilly Rd	Irrigation	6/24/2008	4.76									
Miles Creek @ Reilly Rd	Irrigation	7/29/2008	5.34	250	7.5 (4.6)	1.7 (1.1)		0.021				
Miles Creek @ Reilly Rd	Irrigation	8/5/2008	6.93									
Miles Creek @ Reilly Rd	Irrigation	8/26/2008	5.86		7.5 (6.7)	2 (1.95)		0.042				
Miles Creek @ Reilly Rd	Sediment	8/28/2008	5.33								95	
Miles Creek @ Reilly Rd	Irrigation	9/30/2008	6.34									
Miles Creek @ Reilly Rd	Sediment, RS	10/2/2008									91	
Miles Creek @ Reilly Rd	Irrigation	4/21/2009	6.30									
Miles Creek @ Reilly Rd	Irrigation	7/21/2009	6.45					0.028				
Miles Creek @ Reilly Rd	Irrigation	8/18/2009	6.58									
Miles Creek @ Reilly Rd	Irrigation	9/22/2009	6.35									
		Constituent Priority	**E**	**E**	**C**	**E**	**NP**	**A/B**	**NP**	**D**	**D**	**D**

[1]Metal WQTL variable; based on hardness.

RS – Resampling due to toxicity.