CITY OF CHULA VISTA
Public Works Department

August 10, 2016
0780-85-KY181

San Diego Regional Water Quality Control Board
2375 Northside Drive, Suite 100
San Diego, CA 92108
Attention: Ms. Xueyuan Yu
Submitted Via Email: sandiego@waterboards.ca.gov

SUBJECT: COMMENT LETTER – CWA SECTION 305(b)/303(d) INTEGRATED REPORT

Thank you for the opportunity to provide comments the proposed 2014 Clean Water Act Section 303(d) List for the San Diego Region. The City of Chula Vista has reviewed the following waterbody/ pollutant combinations and has the following comments for consideration, as well as one general comment.

1) <u>DECISION ID 53457 – Sweetwater River, Lower (below Sweetwater Reservoir)/ Chlorpyrifos</u>

FACT SHEET: Sweetwater River, Lower, Decision ID 53457; LOE ID 77930 states that three of 14 samples exceeded the chlorpyrifos criterion at Sweetwater River – Mass Loading Station (SR-MLS) over the time period 02/17/2002 – 10/05/2008, justifying the placement of this waterbody/pollutant on the 303(d) List under Section 3.1 of the Listing Policy.

COMMENTS: Section 4.10 of the Listing Policy provides for the evaluation of water quality trends over time. Given the age of the exceedances (data from 14 years ago), an assessment of all available data from 2001 through 2014 provides a more complete evaluation of water quality trends. Re-analysis of all available data (Transitional Monitoring and Assessment Program Report for the San Diego Bay Watershed Management Area (2014-2015)) shows that there have been no exceedances of the chlorpyrifos criterion at SR-MLS since end of February 2003. During this time period, three of 21 wet weather samples and zero of seven dry weather samples exceeded the criterion at SR-MLS; and zero out of four samples exceeded the criterion at SWAMP Site Sweetwater 8 (a total of zero exceedences out of 32 samples). The total number of exceedances between 2001 and 2014 was three out of 37 samples. This does not meet the criteria for listing presented in Table 3.1 of the Listing Policy. See Attachments 1 and 2 for tables of monitoring results.

RECOMMENDATION: Sweetwater River, Lower/ Chlorpyrifos should be removed from the draft 2014 303(d) List due to the comprehensive analysis of all data from 2001-2014, showing that chlorpyrifos does not meet listing criteria per Table 3.1 of the Listing Policy.

2) <u>DECISION ID 53461 – Sweetwater River, Lower (below Sweetwater Reservoir)/ Diazinon</u>

FACT SHEET: Sweetwater River, Lower, Decision ID 53461; LOE ID 77012 states that five of 27 samples exceeded the criterion for diazinon at SR-MLS over the time period 02/17/2002 – 10/05/2008, justifying the placement of this waterbody pollutant on the 303(d) list under Section 3.1 of the Listing Policy.

COMMENTS: The five samples that exceeded the diazinon criterion were taken in 2002 and 2003, at a time when diazinon was not yet banned. Section 6.1.5.3 of the Listing Policy states that "If the implementation of a management practice(s) has resulted in a change in the water body segment, only recently collected data [since the implementation of the management measure(s)] should be considered." In this case, the management practice was the EPA ban of diazinon in 2005. Re-analysis of all available data (Transitional Monitoring and Assessment Program Report for the San Diego Bay Watershed Management Area (2014-2015)) shows that starting in 2004, zero out of 19 wet weather samples and zero of seven dry weather samples have exceeded the criterion at SR-MLS; and zero out of four samples exceeded criterion at Sweetwater 8 (a total of zero exceedences out of 30 samples). Based on the age of the exceedances (pre-dating the ban on diazinon) and significantly decreasing trend results (Step 6 of Section 3.10 of the Listing Policy), this pollutant is not likely to exceed the criterion in the future. See Attachments 1 and 2 for tables of monitoring results.

RECOMMENDATION: Sweetwater River, Lower/ Diazinon should be removed from the draft 2014 303(d) List due to the ban on the sale of diazinon, the significantly decreasing trends in diazinon since 2005, and the likelihood that diazinon will not exceed the criterion in the future.

3) GENERAL COMMENT – STATE LISTING POLICY

COMMENT: The State Board's Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List (Listing Policy) that is used to evaluate waterbody/pollutant combinations needs to be updated.

RECOMMENDATION: The Listing Policy was adopted in 2004, and since then there have been numerous changes to the way regulated parties address pollutants, as well as improved science and methods. It would be beneficial for the State and Regional Boards to collaborate and seek comments from interested parties to update the Listing Policy to reflect current science and methods, and provide up to date guidance. Recommended updates include expanded definitions for toxicants and conventional pollutants, reassessment of the criteria tables for listing and delisting, and updates to the types of pollutants and/or conditions that are addressed by the Listing Policy. Section 5 of the Listing Policy states that "All waterbody/pollutant combinations on the Section 303(d) List shall be assigned a TMDL schedule date." The Water Quality Improvement Plan (WQIP) process that was adopted with the most recent Regional MS4 Permit seeks to address priority pollutants via goals, strategies, and schedules. It is possible that implementation of WQIPs or other management actions can circumvent the need for TMDLs, which require a great deal of stakeholder resources to plan and implement.

Thank you for your consideration of the above comments and recommendations. If you have any questions, please contact me at (619)397-6111 or bsalem@chulavistaca.gov.

BOUSHRA SALEM
SENIOR CIVIL ENGINEER

C: William S. Valle, Assistant Director of Public Works Engineering
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ATTACHMENT 1 - Sweetwater River Mass Loading Station Data

Wet Weather Historical Monitoring Table for SR-MLS

Category Group	Analyte	Units	Water Quality Benchmarks	Benchmark Reference	2001-2002			2002-2003			2003-2004			2004-2005			2005-2006		
					02/17/02	03/17/02	04/25/02	12/16/02	02/11/03	02/25/03	11/12/03	02/03/04	02/18/04	10/17/04	02/11/05	02/18/05	10/18/05	01/02/06	02/19/06
General/Physical/Organic																			
NA	Electrical Conductivity	µmhos/cm	NA		3,820	3,430	2,980	2,990	2,760	1,955	3,040	1,742	1,995	529	5,070	3,260	3,430	4,090	2,690
CHEM-Conventional	Oil and Grease	mg/L	10	1. Basin Plan, 3. Anacostia River TMDL, 4. MSGP 2000	1	1	1	4.47	2	1	4.43	<1	1.05	<1	<1	<1	<1	<1	<1
CHEM-Conventional	pH	pH units	6.5-9.0	1. Basin Plan	7.5	7.4	7.3	7.56	6.87	6.94	7.20	7.83	7.58	7.24	7.52	7.49	7.66	8.14	8.09
NA	Water Temperature	Celcius	NA					14.30	17.00	14.40	14.90	12.20	15.40	19.30	14.60	14.00	16.50	15.20	12.20
Bacteriological																			
BACT-Enterococcus	Enterococcus	MPN/100 mL	NA		300	16,000	9,000	8,000	14,000	30,000	18,792	1,879	17,000	800	3,000	50,000	50,000	5,000	13,000
BACT-Fecal Coliform	Fecal Coliform	MPN/100 mL	4,000	1.Basin Plan REC-1/REC-2	130	500	**11,000**	**23,000**	**7,000**	1,700	4,000	2,200	2,300	300	1,300	1,300	3,000	**8,000**	2,300
BACT-Total Coliform	Total Coliform	MPN/100 mL	NA		23,000	5,000	230,000	30,000	30,000	170,000	300,000	130,000	130,000	30,000	13,000	28,000	130,000	30,000	80,000
Wet Chemistry																			
CHEM-Conventional	Ammonia as N	mg/L	(a)	6. USEPA Water Quality Criteria (Freshwater)	0.16	0.3	0.2	0.25	0.28	0.19	0.16	0.1	0.15	0.39	0.14	0.14	<0.1	<0.1	0.19
CHEM-Conventional	Biochemical Oxygen Demand	mg/L	30	4. MSGP 2000, 8. McNeeley (1979)	2	14.2	4.7	<2.0	20.4	5.89	9.32	**46.7**	15.3	19.8	2.57	3.42	4.96	3.72	2.22
CHEM-Conventional	Chemical Oxygen Demand	mg/L	120	4. MSGP 2000	70	63	55	59	85	39	104	69	86	44	**123**	74	47	44	102
CHEM-Conventional	Nitrite as N	mg/L	1	1. Basin Plan	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CHEM-Conventional	Surfactants (MBAS)	mg/L	0.5	1. Basin Plan	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHEM-Conventional	Total Suspended Solids	mg/L	100	4. MSGP 2000, 1. Basin Plan	21	47	23	74	14	51	<20	<20	<20	20	26	**102**	<20	<20	<20
CHEM-Conventional	Turbidity	NTU	20	1. Basin Plan	7.7	**20.2**	8.24	**62.9**	13	**46.5**	15.2	11.5	16.8	4.03	5.8	**48.8**	11.4	9.07	**21.7**
NA	Dissolved Organic Carbon	mg/L	NA					9.68	25.2	8.94	21.9	7.94	88.2	25.7	5.24	6.19	5.04	19	10.5
NA	Total Kjeldahl Nitrogen	mg/L	NA		1.5	3	1.2	1.0	1.0	0.8	2.8	<0.5	0.7	2.1	1.4	1.8	1	1.7	2.5
NA	Total Organic Carbon	mg/L	NA					40.7	12.9	6.72	20.8	12.5	96.4	30.1	10.9	11.7	12.1	14	13.2
NUTR-Nitrate as N	Nitrate as N	mg/L	10	1. Basin Plan	0.4	0.3	0.2	0.54	0.81	0.39	2.19	0.25	0.27	0.07	1.02	1.93	0.55	1.52	1.44
NUTR-Total/Dissolved Phosphorus	Dissolved Phosphorus	mg/L	2	4. MSGP 2000	<0.05	0.2	0.1	0.34	0.20	0.10	0.4	0.18	0.12	0.2	0.18	0.45	0.26	0.43	0.24
NUTR-Total/Dissolved Phosphorus	Total Phosphorus	mg/L	2	4. MSGP 2000	0.18	0.29	0.1	0.54	0.22	0.14	0.43	0.22	0.16	0.25	0.57	0.47	0.52	0.45	0.54
TDS-Total Dissolved Solids	Total Dissolved Solids	mg/L	1,500 (b)	1. Basin Plan	**2,000**	1,050	**2,870**	793	**1,660**	1,150	**1,880**	**1,780**	**2,230**	**2,860**	**2,370**	1,410	**2,640**	**2,140**	**2,070**
Pesticides																			
CHEM-Pesticides	Chlorpyrifos	µg/L	0.02 acute / 0.014 chronic	12. CA Dept. of Fish & Game, 2000	<0.03*	<0.03*	**0.03**	**0.053**	**0.059**	<0.03*	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
CHEM-Pesticides	Diazinon	µg/L	0.08 acute / 0.05 chronic	12. CA Dept. of Fish & Game, 2000, 11. Chollas Creek TMDL for Diazinon, 10. USEPA, Aquatic Life Ambient Water Quality Criteria Diazinon	**0.10**	**0.27**	<0.03	**0.301**	**0.146**	**0.171**	**0.084**	<0.01	0.026	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
CHEM-Pesticides	Malathion	µg/L	0.43	13. CA Dept. of Fish & Game, 1998, 5. Goldbook				0.24	<0.10	<0.10	0.423	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02
Hardness																			
NA	Total Hardness	mg $CaCO_3$/L	NA		932	499	1,010	344	758	549	817	728	816	1,210	991	556	1,130	1,020	966
Total Metals																			
NA	Antimony	mg/L	NA		<0.002	<0.002	<0.002	0.004	0.004	0.003	<0.005	<0.005	<0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
NA	Arsenic	mg/L	NA		0.002	0.002	0.003	0.004	0.002	0.003	0.005	0.007	0.005	0.004	0.005	<0.002	0.008	0.005	0.005
NA	Cadmium	mg/L	NA		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
NA	Chromium	mg/L	NA		<0.005	0.007	<0.005	0.009	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
NA	Copper	mg/L	NA		<0.005	0.010	0.006	0.010	0.018	0.007	0.009	0.013	0.012	<0.005	<0.005	0.005	<0.005	0.005	0.005
NA	Lead	mg/L	NA		0.002	0.006	0.003	0.010	0.003	<0.002	0.002	<0.002	0.003	<0.002	<0.002	0.002	<0.002	<0.002	<0.002
NA	Nickel	mg/L	NA		0.003	0.003	0.004	<0.002	0.002	<0.002	0.004	0.002	<0.002	0.002	0.003	0.002	0.007	0.004	0.003
CHEM-Metals	Selenium	mg/L	0.005	16. 40 CFR 131.38	0.003	<0.002	<0.002	<0.004	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.005
NA	Zinc	mg/L	NA		<0.02	0.045	<0.020	0.042	0.029	0.025	0.036	<0.02	0.029	<0.02	<0.02	<0.02	0.044	<0.02	<0.02
Dissolved Metals																			
CHEM-Metals	Antimony	mg/L	0.006	1. Basin Plan	<0.002	<0.002	<0.002	0.006	<0.002	0.004	<0.005	<0.005	<0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
CHEM-Metals	Arsenic	mg/L	0.34 (c)	16. 40 CFR 131.38	<0.001	0.001	0.003	0.003	0.003	0.003	0.003	0.004	0.003	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001
CHEM-Metals	Cadmium	mg/L	(d)	16. 40 CFR 131.38	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHEM-Metals	Chromium	mg/L	(d)	16. 40 CFR 131.38	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
CHEM-Metals	Copper	mg/L	(d)	16. 40 CFR 131.38	<0.005	<0.005	<0.005	0.007	0.025	0.008	0.005	0.006	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
CHEM-Metals	Lead	mg/L	(d)	16. 40 CFR 131.38	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
CHEM-Metals	Nickel	mg/L	(d)	16. 40 CFR 131.38	0.004	<0.002	0.003	<0.002	0.002	<0.002	0.003	0.002	<0.002	0.002	0.003	0.002	<0.002	0.004	0.003
NA	Selenium	mg/L	NA		<0.002	<0.002	<0.002	<0.004	<0.004	<0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.005
CHEM-Metals	Zinc	mg/L	(d)	16. 40 CFR 131.38	<0.020	<0.020	<0.020	0.043	0.097	0.021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	<0.02
Pyrethroid																			
NA	Allethrin	µg/L	NA																
CHEM-Pesticides	Bifenthrin	µg/L	0.0093	15. Anderson et al., 2006															
CHEM-Pesticides	Cyfluthrin	µg/L	0.344	17. Wheelock et al., 2004															
CHEM-Pesticides	Cypermethrin	µg/L	0.683	17. Wheelock et al., 2004															
NA	Danitol	µg/L	NA																
NA	Deltamethrin	µg/L	NA																
CHEM-Pesticides	Esfenvalerate	µg/L	0.25	17. Wheelock et al., 2004															
CHEM-Pesticides	L-Cyhalothrin	µg/L	0.2	17. Wheelock et al., 2004															
CHEM-Pesticides	Permethrin	µg/L	0.021	15. Anderson et al., 2006															
NA	Prallethrin	µg/L	NA																
Toxicity																			
Toxicity-*Ceriodaphnia*	*Ceriodaphnia* 96-hr	LC_{50} (%)	>100	NPDES Order 2007-0001	>100	**70.71**	>100	**72.22**	>100	>100	>100	>100	>100	**80.53**	>100	>100	>100	>100	>100
Toxicity-*Ceriodaphnia*	*Ceriodaphnia* 7-day survival	NOEC (%)	100	NPDES Order 2007-0001	100	**25**	100	**50**	100	100	100	100	100	**25**	100	100	100	100	100
Toxicity-*Ceriodaphnia*	*Ceriodaphnia* 7-day reproduction	NOEC (%)	100	NPDES Order 2007-0001	100	**50**	**50**	**50**	100	100	100	100	100	**12.5**	**50**	100	100	100	100
Toxicity-*Hyallella*	*Hyalella* 96-hr	LC_{50} (%)	>100	NPDES Order 2007-0001	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100
Toxicity-*Selenastrum*	*Selenastrum* 96-hr	NOEC (%)	100	NPDES Order 2007-0001	**50**	**50**	**25**	**12.5**	100	100	100	100	**50**	**50**	100	100	**50**	100	100

See last page for footnotes and source references.

ATTACHMENT 1

Wet Weather Historical Monitoring Table for SR-MLS

Category Group	Analyte	Units	Water Quality Benchmarks	Benchmark Reference	2006-2007			2007-2008	2008-2009	2009-2010		2010-2011	2011-2012		Frequency Above Benchmarks	Mean Ratio to Benchmarks
					10/14/06	01/30/07	02/19/07	-	10/05/08	11/28/09	02/06/10	-	10/05/11-10/06/11	02/07/12		
General/Physical/Organic								No Sample Collected				No Sample Collected				
NA	Electrical Conductivity	µmhos/cm	NA		1,890	4,100	3,520		5,180	4,680	3,410		4,380	1,219		
CHEM-Conventional	Oil and Grease	mg/L	10	1. Basin Plan, 3. Anacostia River TMDL, 4. MSGP 2000	<5	<5	<5		**14.3**	3.4J	<5		1.9J	3.1J	4%	0.23
CHEM-Conventional	pH	pH units	6.5-9.0	1. Basin Plan	7.80	7.79	7.60		7.49	7.32	7.05		7.55	7.71	0%	0.00
NA	Water Temperature	Celcius	NA		16.10	11.10	13.10		14.90	12.80	16.30		16.6	13.9		
Bacteriological																
BACT-Enterococcus	Enterococcus	MPN/100 mL	NA		110,000	3,000	1,300		80,000	340	8,000		50,000	5,000		
BACT-Fecal Coliform	Fecal Coliform	MPN/100 mL	4,000	1.Basin Plan REC-1/REC-2	**8,000**	170	**5,000**		**230,000**	170	**17,000**		**23,000**	2,200	39%	3.84
BACT-Total Coliform	Total Coliform	MPN/100 mL	NA		50,000	3,000	30,000		500,000	2,300	220,000		80,000	80,000		
Wet Chemistry																
CHEM-Conventional	Ammonia as N	mg/L	(a)	6. USEPA Water Quality Criteria (Freshwater)	0.79	0.67	1.24		0.11	0.1	0.07		0.22	<0.1	0%	0.02
CHEM-Conventional	Biochemical Oxygen Demand	mg/L	30	4. MSGP 2000, 8. McNeeley (1979)	**115**	3.66	3.36		**45.7**	5.5	2.9		10	3.5†	13%	0.50
CHEM-Conventional	Chemical Oxygen Demand	mg/L	120	4. MSGP 2000	119	54	45		52	36.1	55		34	36	4%	0.54
CHEM-Conventional	Nitrite as N	mg/L	1	1. Basin Plan	0.06	<0.05	<0.05		<0.05	<0.05	<0.75		0.033J	0.021J	0%	0.05
CHEM-Conventional	Surfactants (MBAS)	mg/L	0.5	1. Basin Plan	<0.5	<0.5	<0.5		0.16	0.1H	0.031		0.1	0.14	0%	0.39
CHEM-Conventional	Total Suspended Solids	mg/L	100	4. MSGP 2000, 1. Basin Plan	45	<20	91		8.2	6.8	**106**		9	12	9%	0.32
CHEM-Conventional	Turbidity	NTU	20	1. Basin Plan	**32.2**	9.6	**65.8**		3.7	5.4	**89.7**		9.4	16	35%	1.16
NA	Dissolved Organic Carbon	mg/L	NA		86.9	13.6	12.8		9.7	8.6	9.9		7.6	7.9		
NA	Total Kjeldahl Nitrogen	mg/L	NA		2.2	1.4	2.4		2.4	1.12	0.644J		1	0.89		
NA	Total Organic Carbon	mg/L	NA		88.8	13.8	13		9.9	8.8	9.4		7.6	8.5		
NUTR-Nitrate as N	Nitrate as N	mg/L	10	1. Basin Plan	1.36	<0.05	0.74		0.22	0.36	0.67		0.39	0.64	0%	0.07
NUTR-Total/Dissolved Phosphorus	Dissolved Phosphorus	mg/L	2	4. MSGP 2000	0.28	0.21	0.32		0.133	0.163	0.263		0.2	0.11	0%	0.11
NUTR-Total/Dissolved Phosphorus	Total Phosphorus	mg/L	2	4. MSGP 2000	0.4	0.28	0.39		0.19	0.17	0.396		0.24	0.15	0%	0.16
TDS-Total Dissolved Solids	Total Dissolved Solids	mg/L	1,500 (b)	1. Basin Plan	**1,990**	**2,060**	1,290		**3,038**	**2,878**	952B		**2,900**	**1,800**	74%	1.33
Pesticides																
CHEM-Pesticides	Chlorpyrifos	µg/L	0.02 acute / 0.014 chronic	12. CA Dept. of Fish & Game, 2000	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002		<0.01	<0.01	15%	0.53
CHEM-Pesticides	Diazinon	µg/L	0.08 acute / 0.05 chronic	12. CA Dept. of Fish & Game, 2000, 11. Chollas Creek TMDL for Diazinon, 10. USEPA, Aquatic Life Ambient Water Quality Criteria Diazinon	<0.004	<0.004	<0.004		<0.004	<0.004	<0.004		<0.01	<0.01	26%	0.64
CHEM-Pesticides	Malathion	µg/L	0.43	13. CA Dept. of Fish & Game, 1998, 5. Goldbook	0.097	0.063	<0.006		<0.006	<0.006	0.059		<0.01	<0.01	0%	0.12
Hardness																
NA	Total Hardness	mg $CaCO_3$/L	NA		807	999	626		1,010.8	1,086.9	336.8		1200	950		
Total Metals																
NA	Antimony	mg/L	NA		0.002	0.002	0.004		0.0009	0.0004J	0.0006		0.0006	0.00072		
NA	Arsenic	mg/L	NA		0.011	0.002	0.003		0.004	0.0084	0.0046		0.0017	0.002		
NA	Cadmium	mg/L	NA		0.003	<0.001	<0.001		<0.0004	<0.0004	<0.0004		0.00004J	0.000037J		
NA	Chromium	mg/L	NA		<0.005	<0.005	<0.005		0.0021	0.0006	0.0015		0.0019	0.0008		
NA	Copper	mg/L	NA		0.011	0.006	0.012		0.0053	0.0035	0.0059		0.005	0.005		
NA	Lead	mg/L	NA		0.003	<0.001	0.004		0.0005	0.00026	0.00338		0.00075	0.0013		
NA	Nickel	mg/L	NA		0.004	0.003	0.004		0.0017	0.003	0.0022		0.005	0.0037		
CHEM-Metals	Selenium	mg/L	0.005	16. 40 CFR 131.38	<0.004	<0.004	<0.004		0.0002J	<0.0005	0.0013		0.0004	0.00062	0%	0.36
NA	Zinc	mg/L	NA		0.047	0.022	0.047		0.021	0.011	0.0261		0.013	0.011		
Dissolved Metals																
CHEM-Metals	Antimony	mg/L	0.006	1. Basin Plan	<0.002	<0.002	0.002		0.0004J	0.0002J	0.0006		0.00034J	0.00047J	0%	0.31
CHEM-Metals	Arsenic	mg/L	0.34 (c)	16. 40 CFR 131.38	0.002	<0.001	<0.001		0.0041	0.008	0.0039		0.0017	0.0017	0%	0.01
CHEM-Metals	Cadmium	mg/L	(d)	16. 40 CFR 131.38	<0.001	<0.001	<0.001		<0.0004	<0.0004	<0.0004		0.000034J	0.000029J	0%	0.02
CHEM-Metals	Chromium	mg/L	(d)	16. 40 CFR 131.38	<0.005	<0.005	<0.005		0.0018	0.0005	0.0003J		0.0014	0.00043	0%	0.00
CHEM-Metals	Copper	mg/L	(d)	16. 40 CFR 131.38	0.006	0.004	0.005		0.0026	0.0019	0.0029		0.0031	0.0029	0%	0.10
CHEM-Metals	Lead	mg/L	(d)	16. 40 CFR 131.38	<0.001	<0.001	<0.001		<0.0001	0.00009J	0.00007J		0.000039J	0.000071J	0%	0.00
CHEM-Metals	Nickel	mg/L	(d)	16. 40 CFR 131.38	0.004	<0.002	0.002		0.0017	0.0030	0.0014		0.0048	0.0031	0%	0.00
NA	Selenium	mg/L	NA		<0.004	<0.004	<0.004		0.0002J	0.0003J	0.0007		0.00029J	0.00061		
CHEM-Metals	Zinc	mg/L	(d)	16. 40 CFR 131.38	0.023	<0.02	<0.02		0.0135	0.0050	0.0021		0.01	0.0064	0%	0.05
Pyrethroid																
NA	Allethrin	µg/L	NA						<0.002	<0.0005	<0.0005		<0.002	<0.002		
CHEM-Pesticides	Bifenthrin	µg/L	0.0093	15. Anderson et al., 2006					<0.002	<0.0005	**0.0358B**		<0.002	0.009	20%	1.01
CHEM-Pesticides	Cyfluthrin	µg/L	0.344	17. Wheelock et al., 2004					<0.002	<0.0005	0.0179		<0.002	0.0142	0%	0.02
CHEM-Pesticides	Cypermethrin	µg/L	0.683	17. Wheelock et al., 2004					<0.002	<0.0005	<0.0005		<0.002	<0.002	0%	0.00
NA	Danitol	µg/L	NA						<0.002	<0.0005	0.0009J		<0.002	<0.002		
NA	Deltamethrin	µg/L	NA						<0.002	<0.0005	<0.0005		<0.002	<0.002		
CHEM-Pesticides	Esfenvalerate	µg/L	0.25	17. Wheelock et al., 2004					<0.002	<0.0005	0.0022		<0.002	<0.002	0%	0.00
CHEM-Pesticides	L-Cyhalothrin	µg/L	0.2	17. Wheelock et al., 2004					<0.002	<0.0005	0.0264		<0.002	<0.002	0%	0.06
CHEM-Pesticides	Permethrin	µg/L	0.021	15. Anderson et al., 2006					<0.025*	<0.005	<0.005		<0.025††	<0.025††	0%	0.21
NA	Prallethrin	µg/L	NA						<0.002	<0.0005	<0.0005		<0.002	<0.002		
Toxicity																
Toxicity-*Ceriodaphnia*	*Ceriodaphnia* 96-hr	LC_{50} (%)	>100	NPDES Order 2007-0001	>100	>100	>100		>100	>100	>100		>100	>100	13%	1.05
Toxicity-*Ceriodaphnia*	*Ceriodaphnia* 7-day survival	NOEC (%)	100	NPDES Order 2007-0001	100	100	100		100	100	100		100	100	13%	1.30
Toxicity-*Ceriodaphnia*	*Ceriodaphnia* 7-day reproduction	NOEC (%)	100	NPDES Order 2007-0001	**6.25**	100	100		**50**	**50**	100		**50**	100	39%	2.26
Toxicity-*Hyallella*	*Hyalella* 96-hr	LC_{50} (%)	>100	NPDES Order 2007-0001	>100	>100	>100		>100	>100	>100		>100	>100	0%	1.00
Toxicity-*Selenastrum*	*Selenastrum* 96-hr	NOEC (%)	100	NPDES Order 2007-0001	100	100	100		**50**	**50**	100		**50**	**50**	48%	1.83

See last page for footnotes and source references.

ATTACHMENT 1

Wet Weather Historical Monitoring Table for SR-MLS

Blank spaces have been verified and no data is available due to changes in the monitoring program.

(a) Water Quality Benchmark is based on CMC (salmonids absent) using pH described in the USEPA, 1999 Update of Ambient Water Quality Criteria for Ammonia, EPA-822-R-99-014, December 1999.
(b) Water Quality Benchmark for total dissolved solids is based on the San Diego Regional Water Quality Control Plan by watershed for the San Diego Region (Basin Plan), 1994 (with amendments effective prior to April 25, 2007).
(c) Water Quality Benchmark for dissolved metal fractions are based on a default water effects ratios (WER) value of 1 and are calculated as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000.
(d) Water Quality Benchmark for dissolved metal fractions are based on total hardness and are calculated as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000. The Criteria Maximum Concentration (CMC) was used.
NA indicate no criteria or published value was available or applicable to the matrix or program.
* Indicates detection limit above water quality benchmark.
† Result was from composite sample. The grab sample was analyzed outside of the holding time.
†† Permethrin was non-detect at the method detection limit of 0.005 µg/L.
B-Anayte was detected in the associated method blank.
H-Sample received and or/analyzed past the recommended holding time.
J-Analyte was detected at a concentration below the reporting limit and above the method detection limit. Reported value is estimated.

Shaded text – exceeds water quality benchmark.

Sources
Please refer to the San Diego County Copermittee Regional Monitoring Program Benchmark Sources for benchmark source citations.

ATTACHMENT 1 - Sweetwater River Mass Loading Station Data

Dry Weather Historical Monitoring Table for SR-MLS

Permit Requirement	Analyte	Units	Water Quality Benchmarks	Benchmark References	Historical Monitoring Data						Long Term and Transitional Monitoring	Long Term Monitoring Only	Long Term and Transitional Monitoring	Long Term and Transitional Monitoring	Frequency Above Benchmarks	Mean Ratio to Benchmarks
					2009-2010		2010-2011	2011-2012		2012-2013	2013-2014			2014-2015		
					01/06/10	05/18/10	-	09/12/11-09/13/11	05/08/12-05/09/12	-	09/17/13-09/18/13	1/13/14-1/14/14	05/01/14-05/02/14	-		
Organophosphorus Pesticides																
2013	Azinphos methyl (Guthion)	µg/L	NA								<0.010	<0.010	<0.010			
2013	Bolstar	µg/L	NA								<0.010	<0.010	<0.010			
2007, 2013	Chlorpyrifos	µg/L	0.02 acute / 0.014 chronic	12. CA Dept. of Fish & Game, 2000	<0.002	<0.01		<0.01	<0.01		<0.010	<0.010	<0.010		0%	0.32
2013	Coumaphos	µg/L	NA								<0.010	<0.010	<0.010			
2013	Demeton-o	µg/L	NA								<0.010	<0.010	<0.010			
2013	Demeton-s	µg/L	NA								<0.010	<0.010	<0.010			
2007, 2013	Diazinon	µg/L	0.08 acute / 0.05 chronic	12. CA Dept. of Fish & Game, 2000, 11. Chollas Creek TMDL for Diazinon, 10. USEPA, Aquatic Life Ambient Water Quality Criteria Diazinon	<0.004	<0.01		<0.01	<0.01		<0.010	<0.010	<0.010		0%	0.09
2013	Dichlorvos	µg/L	NA								<0.010	<0.010	<0.010			
2013	Dimethoate	µg/L	NA								<0.010	<0.010	<0.010			
2013	Disulfoton	µg/L	NA								<0.010	<0.010	<0.010			
2013	Ethoprop	µg/L	NA								<0.010	<0.010	<0.010			
2013	Ethyl parathion	µg/L	NA								<0.010	<0.010	<0.010			
2013	Fensulfothion	µg/L	NA								<0.010	<0.010	<0.010			
2013	Fenthion	µg/L	NA								<0.010	<0.010	<0.010			
2007, 2013	Malathion	µg/L	0.43 acute / 0.1 chronic	13. CA Dept. of Fish & Game, 1998, 5. Goldbook	<0.006	<0.01		<0.01	<0.01		<0.010	<0.010	<0.010		0%	0.47
2013	Merphos	µg/L	NA								<0.010	<0.010	<0.010			
2013	Methyl parathion	µg/L	NA								<0.010	<0.010	<0.010			
2013	Mevinphos	µg/L	NA								<0.010	<0.010	<0.010			
2013	Naled	µg/L	NA								<0.010	<0.010BS-L	<0.010			
2013	Phorate	µg/L	NA								<0.010	<0.010	<0.010BS-L			
2013	Ronnel	µg/L	NA								<0.010	<0.010	<0.010			
2013	Stirophos	µg/L	NA								<0.010	<0.010	<0.010			
2013	Tokuthion (Prothiofos)	µg/L	NA								<0.010	<0.010	<0.010			
2013	Trichloronate	µg/L	NA								<0.010	<0.010	<0.010			
PCB Congeners																
2013	PCB-8	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-18	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-28	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-44	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-52	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-66	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-77	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-81	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-101	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-105	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-114	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-118	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-123	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-126	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-128	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
2013	PCB-138	µg/L	0.014 (f)	16. 40 CFR 131.38							<0.010	<0.010	<0.010		0%	NA[1]
Polynuclear Aromatic Hydrocarbons																
2013	1-Methylnaphthalene	µg/L	NA								<0.10	<0.10	<0.10			
2013	1-Methylphenanthrene	µg/L	NA								<0.10	<0.10	<0.10			
2013	2,6-Dimethylnaphthalene	µg/L	NA								<0.10	<0.10	<0.10			
2013	2-Methylnaphthalene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Acenaphthene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Acenaphthylene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Anthracene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Benzo (a) anthracene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Benzo (a) pyrene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Benzo (b) fluoranthene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Benzo (e) pyrene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Benzo (g,h,i) perylene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Benzo (k) fluoranthene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Biphenyl	µg/L	NA								<0.10	<0.10	<0.10			
2013	Chrysene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Dibenzo (a,h) anthracene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Fluoranthene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Fluorene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Indeno (1,2,3-cd) pyrene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Naphthalene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Perylene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Phenanthrene	µg/L	NA								<0.10	<0.10	<0.10			
2013	Pyrene	µg/L	NA								<0.10	<0.10	<0.10			

No Samples Collected

No Samples Collected

No Samples Collected

ATTACHMENT 1

Dry Weather Historical Monitoring Table for SR-MLS

Permit Requirement	Analyte	Units	Water Quality Benchmarks	Benchmark References	Historical Monitoring Data						Long Term and Transitional Monitoring	Long Term Monitoring Only	Long Term and Transitional Monitoring	Long Term and Transitional Monitoring	Frequency Above Benchmarks	Mean Ratio to Benchmarks
					2009-2010		2010-2011	2011-2012		2012-2013	2013-2014			2014-2015		
					01/06/10	05/18/10	-	09/12/11-09/13/11	05/08/12-05/09/12	-	09/17/13-09/18/13	1/13/14-1/14/14	05/01/14-05/02/14	-		
Pyrethroids																
2013	Allethrin	µg/L	NA				No Samples Collected			No Samples Collected	<0.002	<0.002	<0.002	No Samples Collected		
2013	Bifenthrin	µg/L	0.0093	15. Anderson et al., 2006							<0.002	<0.002	<0.002		0%	NA[1]
2013	Cyfluthrin	µg/L	0.344	17. Wheelock et al., 2004							<0.002	<0.002	<0.002		0%	NA[1]
2013	Cypermethrin	µg/L	0.683	17. Wheelock et al., 2004							<0.002	<0.002	<0.002		0%	NA[1]
2013	Danitol (Fenpropathrin)	µg/L	NA								<0.002	<0.002	<0.002			
2013	Deltamethrin/Tralomethrin	µg/L	NA								<0.002	<0.002	<0.002			
2013	Esfenvalerate	µg/L	0.25	17. Wheelock et al., 2004							<0.002	<0.002	<0.002		0%	NA[1]
2013	Fenvalerate	µg/L	NA								<0.002	<0.002	<0.002			
2013	Fluvalinate	µg/L	NA								<0.002	<0.002	<0.002			
2013	L-Cyhalothrin	µg/L	0.2	17. Wheelock et al., 2004							<0.002	<0.002	<0.002		0%	NA[1]
2013	Permethrin	µg/L	0.021	15. Anderson et al., 2006							<0.01	<0.01	<0.01		0%	NA[1]
2013	Prallethrin	µg/L	NA								<0.002	<0.002	<0.002			
2013	Resmethrin	µg/L	NA								<0.01	<0.01	<0.01			
Toxicity																
2007, 2013	*Ceriodaphnia* 96-hr	LC_{50} (%)	>100		>100	>100		>100	>100		>100	NR	>100		0%	1.00
2007, 2013	*Ceriodaphnia* 7-day survival	NOEC (%)	100		100	100		100	100		100	NR	**50**		17%	1.17
2007, 2013	*Ceriodaphnia* 7-day reproduction	NOEC (%)	100		**50**	**50**		**50**	**50**		**25**	NR	**25**		100%	2.67
2007	*Hyalella* 96-hr	LC_{50} (%)	>100		>100	>100		>100C	>100		>100	NR	>100		0%	1.00
2007, 2013	*Selenastrum* 96-hr	NOEC (%)	100		**50**	**50**		**50**	**50**		**25**	NR	**25**		100%	2.67
2013	*Strongylocentrotus* 96-hr	TST	Pass/Fail								Pass	Pass	Pass		0%	

Blank spaces have been verified and no data is available.

NA indicate no criteria or published value was available or applicable to the matrix or program.
(a) Water Quality Benchmark are based on the San Diego Regional Water Quality Control Plan by watershed for the San Diego Region (Basin Plan), 1994 (with amendments effective on or before April 4, 2011) and may vary by hydrologic area.
(b) Water Quality Benchmark for Enterococcus is based on the maximum criteria for infrequently used freshwater area by the San Diego Regional Water Quality Control Plan for the San Diego Region (Basin Plan), 1994 (with amendments effective on or before April 4, 2011).
(c) Prior to the 2014-2015 monitoring year, Water Quality Benchmark was calculated based on CMC (salmonids absent) and CCC (early life stages present) using water temperature and pH described in the U.S. EPA, 1999 Update of Ambient Water Quality Criteria for Ammonia, EPA-822-R-99-014, December 1999. For 2014-2015 monitoring year, Water Quality Benchmark CMC and CCC were calculated based on pH and water temperature (when applicable) as described in the U.S. EPA, 2013 Aquatic Life Ambient Water Quality Criteria for Ammonia - Freshwater, EPA-822-R-13-001, April 2013.
(d) Water Quality Benchmark for total metals is based on the MUN beneficial as described in the Basin Plan, 1994 (with amendments effective on or before April 4, 2011).
(e) Water Quality Benchmark for dissolved metal fractions are based on total hardness and are calculated as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000. The Criteria Maximum Concentration (CMC) and Continuous Criteria Concentration (CCC) were used.
(f) Water Quality Benchmark for PCBs is the CCC (USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000).
B-Analyte was detected in the associated method blank.
BS-L-Blank Spike recovery of this analyte was below the control limits. Results may be biased low.
C - Control failed; however, sample showed no toxic response.
J-Analyte was detected at a concentration below the reporting limit and above the method detection limit. Reported value is estimated.
NA[1] Three or more years of data required to calculate the Mean Ratio to Benchmark.
NR-Sampling of this analyte not required for transitional monitoring (RWQCB Order No. R9-2007-0001) and/or for long term monitoring (RWQCB Order No. R9-2013-0001).

Values with **red bold font and shading** do not meet Water Quality Benchmarks.

Sources
Please refer to the San Diego County Copermittee Regional Monitoring Program Benchmark Sources in Attachment B to Appendix A for benchmark source citations.

ATTACHMENT 2 - Sweetwater River, Lower - SWAMP Chlorpyrifos Data

ParentProject	Project	StationName	StationCode	SampleDate	CollectionTime	SampleTypeCode	LabBatch	LabSampleID	MatrixName	MethodName	Analyte	Unit	Result	MDL	RL	ResultQualCode	QACode	ComplianceCode	BatchComments	SampleAgency	CollectionMethod	TargetLatitude	TargetLongitude	CollectionDeviceDescription	DigestExtract	huc10	
SWAMP RWB9 Monitoring	RWB9 Rotational Monitoring 2005	Sweetwater River 8	909SSWR08	05/31/2005	17:30:00	Grab	WPCL_L-269-287-05_W_OP	L-269-05-4	samplewater	EPA 8141AM	Chlorpyrifos, Total	ug/L		0.02	0.05	ND	None	QualH	Analytes lw %R LCS & MS/D. QAO: no LCS or MS/MSD 6/6, no blank 6/7, no QC 6/9 and 6/10	MPSL-DFG	Water_Grab	32.65897	-117.0418091	Individual Collection by hand	EPA 3510C	Lower Sweetwater River	
SWAMP RWB9 Monitoring	RWB9 Rotational Monitoring 2005	Sweetwater River 8	909SSWR08	09/06/2005	16:00:00	Grab	WPCL_L-472-500-05_W_OP	L-472-05-4	samplewater	EPA 8141AM	Chlorpyrifos, Total	ug/L		0.02	0.05	ND	None	QualH	Low %R LCS, MS and MSD. RPD analytes exceed lab cntrl lmt for MS and MSD. QAO: no blank 9/16, no QC 9/8 and 9/20	MPSL-DFG	Water_Grab	32.65897	-117.0418091	Individual Collection by hand	EPA 3510C	Lower Sweetwater River	
SWAMP RWB9 Monitoring	RWB9 Rotational Monitoring 2006	Sweetwater River 8	909SSWR08	04/10/2006	18:00:00	Grab	WPCL_L-179-192-06_W_OP	L-192-06-14	samplewater	EPA 8141AM	Chlorpyrifos, Total	ug/L		0.02	0.05	ND	None	QualH	Analytes low %R LCS. MS/MSD RPD exceed lab cntrl lmt. QAO: no MS/MSD or LCS for 4/7, no QC for 4/10, 4/13, 4/14, no blank for 4/11	MPSL-DFG	Water_Grab	32.65897	-117.0418091	Individual Collection by hand	EPA 3510C	Lower Sweetwater River	
SWAMP RWB9 Monitoring	RWB9 Rotational Monitoring 2006	Sweetwater River 8	909SSWR08	01/30/2006	17:30:00	Grab	WPCL_L-051-06_W_OP	L-051-06-6	samplewater	EPA 8141AM	Chlorpyrifos, Total	ug/L		0.02	0.05	ND	None	QualH	Analytes low %R LCS & MSD. RPD analytes exceed lab cntrl lmt for MS & MSD. QAO: no MS or LCS for 2/2, no blank for 2/3	MPSL-DFG	Water_Grab	32.65897	-117.0418091	Individual Collection by hand	EPA 3510C	Lower Sweetwater River	

ATTACHMENT 2 - Sweetwater River, Lower - SWAMP Diazinon Data

ParentProject	Project	StationName	StationCode	SampleDate	CollectionTime	SampleTypeCode	LabBatch	LabSampleID	MatrixName	MethodName	Analyte	Unit	Result	MDL	RL	ResultQualCode	QACode	ComplianceCode	BatchComments	SampleAgency	CollectionMethodName	TargetLatitude	TargetLongitude	CollectionDeviceDescription	DigestExtractMethod	huc10
SWAMP RWB9 Monitoring	RWB9 Rotational Monitoring 2005	Sweetwater River 8	909SSWR08	05/31/2005	17:30:00	Grab	WPCL_L-269-287-05_W_OP	L-269-05-4	samplewater	EPA 8141AM	Diazinon, Total	ug/L		0.005	0.02	ND	None	QualH	Analytes lw %R LCS & MS/D. QAO: no LCS or MS/MSD 6/6, no blank 6/7, no QC 6/9 and 6/10	MPSL-DFG	Water_Grab	32.65897	-117.0418091	Individual Collection by hand	EPA 3510C	Lower Sweetwater River
SWAMP RWB9 Monitoring	RWB9 Rotational Monitoring 2005	Sweetwater River 8	909SSWR08	09/06/2005	16:00:00	Grab	WPCL_L-472-500-05_W_OP	L-472-05-4	samplewater	EPA 8141AM	Diazinon, Total	ug/L		0.005	0.02	ND	None	QualH	Low %R LCS, MS and MSD. RPD analytes exceed lab cntrl lmt for MS and MSD. QAO: no blank 9/16, no QC 9/8 and 9/20	MPSL-DFG	Water_Grab	32.65897	-117.0418091	Individual Collection by hand	EPA 3510C	Lower Sweetwater River
SWAMP RWB9 Monitoring	RWB9 Rotational Monitoring 2006	Sweetwater River 8	909SSWR08	01/30/2006	17:30:00	Grab	WPCL_L-051-06_W_OP	L-051-06-6	samplewater	EPA 8141AM	Diazinon, Total	ug/L	0.009	0.005	0.02	DNQ	None	QualH	Analytes low %R LCS & MSD. RPD analytes exceed lab cntrl lmt for MS & MSD. QAO: no MS or LCS for 2/2, no blank for 2/3	MPSL-DFG	Water_Grab	32.65897	-117.0418091	Individual Collection by hand	EPA 3510C	Lower Sweetwater River
SWAMP RWB9 Monitoring	RWB9 Rotational Monitoring 2006	Sweetwater River 8	909SSWR08	04/10/2006	18:00:00	Grab	WPCL_L-179-192-06_W_OP	L-192-06-14	samplewater	EPA 8141AM	Diazinon, Total	ug/L	0.015	0.005	0.02	DNQ	None	QualH	Analytes low %R LCS. MS/MSD RPD exceed lab cntrl lmt. QAO: no MS/MSD or LCS for 4/7, no QC for 4/10, 4/13, 4/14, no blank for 4/11	MPSL-DFG	Water_Grab	32.65897	-117.0418091	Individual Collection by hand	EPA 3510C	Lower Sweetwater River