Table 4-4.1
2008-2009 Summary of Water Quality Objectives Attainment for Ballona Creek Mass Emission Station (S01)
Beneficial Uses: REC1, REC2, WARM, WILD

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Conventional					ND = Not detected				ND = Not detected			
	Oil and Grease	mg/L	5		2.0 (ND - 6.1)	5	4	0	1.4 (ND - 1.6)	3	2	0
	Total Phenols	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	2	0	0
	Cyanide	mg/L	0.005	0.022 (WARM)	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	pH	NONE	0	6.5 - 8.5 (WARM) [1]	7.2 (6.8 - 8.2)	5	5	0	8.4 (8.0 - 8.5)	3	3	0
	Dissolved Oxygen	mg/L	5	5 (WARM)	11.6 (10.0 - 13.8)	5	5	0	13.1 (11.9 - 14.1)	3	3	0
	Total Coliform	MPN/100ml	20		160,000 (24,000 - 900,000)	5	5	0	2,200 (ND - 24,000)	3	2	0
	Fecal Coliform	MPN/100ml	20	400 (REC1) [3]	24,000 (22,000 - 900,000)	5	5	2	800 (ND - 1,300)	3	2	2
	Fecal Streptococcus	MPN/100ml	20		300,000 (9,000 - 500,000)	5	5	0	300 (40 - 800)	3	3	0
	Fecal Enterococcus	MPN/100ml	20		300,000 (9,000 - 500,000)	5	5	0	300 (40 - 800)	3	3	0
	Chloride	mg/L	2		21 (10 - 74)	5	5	0	135 (131 - 147)	3	3	0
	Fluoride	mg/L	0.1		0.2 (ND - 0.6)	5	4	0	0.4 (0.3 - 0.6)	3	3	0
	Sulfate	mg/L	1		30 (12 - 137)	5	5	0	217 (196 - 232)	3	3	0
	Alkalinity	mg/L	2		55 (28 - 160)	5	5	0	270 (268 - 282)	3	3	0
	Hardness	mg/L	2		70 (50 - 280)	5	5	0	460 (450 - 464)	3	3	0
	Chemical Oxygen Demand	mg/L	20		85 (34 - 122)	5	5	0	60 (43 - 64)	3	3	0
	Total Petroleum Hydrocarbons	mg/L	5		2.0 (ND - 5.3)	5	4	0	ND (ND - ND)	3	0	0
	Specific Conductance	umhos/cm	1		245 (126 - 799)	5	5	0	1,350 (1,260 - 1,389)	3	3	0
	Total Dissolved Solids	mg/L	2		160 (82 - 512)	5	5	0	872 (828 - 878)	3	3	0
	Turbidity	NTU	0.1		11.1 (2.3 - 15.1)	5	5	0	1.9 (1.1 - 2.4)	3	3	0
	Total Suspended Solids	mg/L	2		252 (14 - 602)	5	5	0	13 (5 - 140)	3	3	0
	Volatile Suspended Solids	mg/L	2		72.0 (3.0 - 176.0)	5	5	0	9.0 (3.0 - 30.0)	3	3	0
	Methylene Blue Active Substances	mg/L	0.5		0.3 (0.1 - 0.4)	5	5	0	0.1 (0.1 - 0.3)	3	3	0
	Total Organic Carbon	mg/L	1		9.7 (6.8 - 13.9)	5	5	0	6.6 (2.7 - 8.3)	3	3	0
	Biochemical Oxygen Demand	mg/L	2		11.0 (6.9 - 27.2)	5	5	0	6.3 (2.2 - 9.2)	3	3	0
	Methyl-t-butyl-ether	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
Nutrients												
	Dissolved Phosphorus	mg/L	0.05		0.2 (ND - 0.3)	5	4	0	0.1 (0.1 - 0.2)	3	3	0
	Total Phosphorus	mg/L	0.05		0.5 (0.2 - 0.6)	5	5	0	0.3 (0.2 - 0.4)	3	3	0
	Ammonia (as N)	mg/L	0.1		0.2 (ND - 0.7)	5	4	0	ND (ND - 0.2)	3	1	0
	Ammonia (as NH_3)	mg/L	0.1	1 - 30 (WARM) [2]	0.2 (ND - 0.9)	5	4	0	0.1 (ND - 0.2)	3	2	0
	Nitrate + Nitrite N	mg/L	0.5		0.9 (0.7 - 2.4)	5	5	0	1.5 (1.4 - 2.0)	3	3	0
	Nitrite - N	mg/L	0.03		ND (ND - 0.1)	5	1	0	ND (ND - ND)	3	0	0
	Kjeldahl-N	mg/L	0.1		1.4 (1.0 - 1.9)	5	5	0	1.1 (0.7 - 1.4)	3	3	0

Notes:

1 pH objective is not to exceed 8.5 nor fall below 6.5; dissolved oxygen objective is a minimum

2 Ammonia objective is calculated from Table 3-2 of the Basin Plan based on measured pH at time of sampling, assuming a temperature of 20°C

3 Wet weather suspension of swimming (REC1) applies to fecal coliform objective for 2008-09Event06, 2008-09Event09, and 2008-09Event21.

Table 4-4.1
2008-2009 Summary of Water Quality Objectives Attainment for Ballona Creek Mass Emission Station (S01)
Beneficial Uses: REC1, REC2, WARM, WILD

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Trace Elements	Dissolved Aluminum	ug/L	100		ND (ND - 113.0)	5	1	0	ND (ND - ND)	3	0	0
	Total Aluminum	ug/L	100		694 (ND - 1,810)	5	4	0	ND (ND - 540)	3	1	0
	Dissolved Antimony	ug/L	0.5		1.3 (1.2 - 1.7)	5	5	0	0.7 (0.4 - 0.8)	3	3	0
	Total Antimony	ug/L	0.5		3.2 (1.4 - 5.7)	5	5	0	0.7 (0.5 - 1.0)	3	3	0
	Dissolved Arsenic	ug/L	1	340 (WARM, Acute)	1.1 (0.9 - 2.2)	5	5	0	2.2 (2.0 - 2.7)	3	3	0
	Total Arsenic	ug/L	1		2.2 (1.8 - 3.0)	5	5	0	2.4 (2.1 - 2.8)	3	3	0
	Dissolved Barium	ug/L	10		24 (21 - 48)	5	5	0	61 (57 - 64)	3	3	0
	Total Barium	ug/L	10		78 (56 - 179)	5	5	0	66 (62 - 97)	3	3	0
	Dissolved Beryllium	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Beryllium	ug/L	0.5		0.1 (ND - 0.3)	5	3	0	ND (ND - ND)	3	0	0
	Dissolved Cadmium	ug/L	0.25	1 - 26 (WARM, Acute) *	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Cadmium	ug/L	0.25		0.5 (ND - 1.3)	5	4	0	0.1 (ND - 0.2)	3	2	0
	Dissolved Chromium	ug/L	0.5	204 - 2050 (WARM, Acute) *	1.7 (1.3 - 3.2)	5	5	0	1.7 (1.1 - 3.2)	3	3	0
	Total Chromium	ug/L	0.5		12.9 (3.9 - 19.6)	5	5	0	3.4 (1.8 - 5.4)	3	3	0
	Dissolved Chromium +6	ug/L	5	16 (WARM, Acute)	0.6 (0.3 - 0.7)	5	5	0	0.6 (ND - 1.1)	3	2	0
	Total Chromium +6	ug/L	5		0.6 (0.3 - 0.7)	5	5	0	0.9 (0.6 - 1.1)	3	3	0
	Dissolved Copper	ug/L	0.5	4- 61 (WARM, Acute) *	10.2 (9.2 - 12.6)	5	5	3	5.6 (4.5 - 6.9)	3	3	0
	Total Copper	ug/L	0.5		50.7 (18.6 - 126.0)	5	5	0	17.4 (10.3 - 23.8)	3	3	0
	Dissolved Iron	ug/L	100		92.7 (78.8 - 146.0)	5	5	0	63.4 (ND - 68.1)	3	2	0
	Total Iron	ug/L	100		6,360 (319 - 10,500)	5	5	0	251 (119 - 1,050)	3	3	0
	Dissolved Lead	ug/L	0.5	14 - 350 (WARM, Acute) *	2.2 (1.1 - 2.8)	5	5	0	ND (ND - 0.2)	3	1	0
	Total Lead	ug/L	0.5		49.6 (2.7 - 83.3)	5	5	0	1.0 (1.0 - 5.6)	3	3	0
	Dissolved Mercury	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Mercury	ug/L	0.5	0.051 (Fish consumption)	ND (ND - 0.2)	5	1	1	0.1 (ND - 0.2)	3	2	2
	Dissolved Nickel	ug/L	1	150 - 1,800 (WARM, Acute) *	4.2 (2.0 - 4.6)	5	5	0	4.4 (3.6 - 4.9)	3	3	0
	Total Nickel	ug/L	1		10.9 (5.4 - 20.6)	5	5	0	6.4 (4.3 - 6.9)	3	3	0
	Dissolved Selenium	ug/L	1		ND (ND - 3.2)	5	1	0	3.9 (3.6 - 4.1)	3	3	0
	Total Selenium	ug/L	1		ND (ND - 3.5)	5	2	0	4.1 (4.0 - 4.7)	3	3	0
	Dissolved Silver	ug/L	0.25	0.3 - 60 (WARM, Acute) *	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Silver	ug/L	0.25		0.3 (ND - 0.7)	5	4	0	ND (ND - 0.4)	3	1	0
	Dissolved Thallium	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Thallium	ug/L	1		ND (ND - 0.1)	5	1	0	ND (ND - ND)	3	0	0
	Dissolved Zinc	ug/L	1	40 - 450 (WARM, Acute) *	55 (38 - 67)	5	5	1	15 (14 - 19)	3	3	0
	Total Zinc	ug/L	1		233 (56 - 475)	5	5	0	25 (21 - 62)	3	3	0

*Trace element objectives that are shown as a range are calculated from the measured hardness using procedures established in the CTR.

Table 4-4.2
2008-2009 Summary of Water Quality Objectives Attainment for Malibu Creek Mass Emission Station (S02)
Beneficial Uses: REC1, REC2, WARM, COLD, WILD, MIGR, SPAWN, RARE, WET

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Conventional					ND = Not detected				ND = Not detected			
	Oil and Grease	mg/L	5		0.6 (ND - 1.6)	5	3	0	0.7 (0.4 - 0.9)	3	3	0
	Total Phenols	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	2	0	0
	Cyanide	mg/L	0.005	0.022 (WARM)	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	pH	NONE	0	6.5 - 8.5 (WARM) [1]	7.9 (7.8 - 8.2)	5	5	0	8.2 (8.0 - 8.2)	3	3	0
	Dissolved Oxygen	mg/L	5	7 (SPAWN)	10.1 (8.8 - 11.2)	5	5	0	10.4 (10.1 - 10.9)	3	3	0
	Total Coliform	MPN/100ml	20		7,000 (3,000 - 16,000)	4	4	0	300 (170 - 2,400)	3	3	0
	Fecal Coliform	MPN/100ml	20	400 (REC1)	900 (80 - 2,400)	4	4	3	130 (70 - 300)	3	3	0
	Fecal Streptococcus	MPN/100ml	20		365 (220 - 2,800)	4	4	0	40 (20 - 130)	3	3	0
	Fecal Enterococcus	MPN/100ml	20		225 (220 - 2,800)	4	4	0	40 (20 - 80)	3	3	0
	Chloride	mg/L	2	500 (GWR, general)	132 (107 - 204)	5	5	0	157 (149 - 172)	3	3	0
	Fluoride	mg/L	0.1		0.2 (0.2 - 0.4)	5	5	0	0.2 (0.2 - 0.5)	3	3	0
	Sulfate	mg/L	1	500 (GWR, general)	491 (431 - 1,250)	5	5	2	575 (465 - 682)	3	3	2
	Alkalinity	mg/L	2		179 (160 - 369)	5	5	0	248 (204 - 303)	3	3	0
	Hardness	mg/L	2		595 (550 - 1,400)	5	5	0	775 (605 - 952)	3	3	0
	Chemical Oxygen Demand	mg/L	20		62 (43 - 146)	5	5	0	63 (34 - 65)	3	3	0
	Total Petroleum Hydrocarbons	mg/L	5		ND (ND - 0.6)	5	2	0	ND (ND - ND)	3	0	0
	Specific Conductance	umhos/cm	1		1,491 (1,428 - 4,750)	5	5	0	2,000 (1,813 - 2,790)	3	3	0
	Total Dissolved Solids	mg/L	2	2,000 (GWR, general)	1,018 (988 - 2,644)	5	5	1	1,354 (1,208 - 1,738)	3	3	0
	Turbidity	NTU	0.1		7.0 (0.8 - 11.9)	5	5	0	0.7 (0.4 - 0.8)	3	3	0
	Total Suspended Solids	mg/L	2		69 (14 - 493)	5	5	0	5 (2 - 6)	3	3	0
	Volatile Suspended Solids	mg/L	2		18.0 (3.0 - 67.0)	5	5	0	3.0 (1.0 - 4.0)	3	3	0
	Methylene Blue Active Substances	mg/L	0.5		0.0 (ND - 0.1)	5	3	0	0.1 (0.0 - 0.1)	3	3	0
	Total Organic Carbon	mg/L	1		8.3 (5.4 - 10.2)	5	5	0	4.7 (4.2 - 5.6)	3	3	0
	Biochemical Oxygen Demand	mg/L	2		3.8 (2.1 - 7.3)	5	5	0	ND (ND - 2.0)	3	1	0
	Methyl-t-butyl-ether	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
Nutrients												
	Dissolved Phosphorus	mg/L	0.05		0.3 (0.1 - 0.6)	5	5	0	0.4 (0.1 - 0.9)	3	3	0
	Total Phosphorus	mg/L	0.05		0.4 (0.1 - 1.0)	5	5	0	0.3 (0.1 - 0.9)	3	3	0
	Ammonia (as N)	mg/L	0.1		ND (ND - 0.2)	5	2	0	ND (ND - 0.9)	3	1	0
	Ammonia (as NH_3)	mg/L	0.1	0.7 - 5 (COLD) [2]	0.1 (ND - 0.2)	5	3	0	ND (ND - 1.1)	3	1	0
	Nitrate + Nitrite N	mg/L	0.5		3.0 (2.2 - 3.9)	5	5	0	5.0 (0.3 - 5.7)	3	3	0
	Nitrite - N	mg/L	0.03		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Kjeldahl-N	mg/L	0.1		0.7 (0.5 - 1.6)	5	5	0	0.4 (0.4 - 1.0)	3	3	0

Notes:

1 pH objective is not to exceed 8.5 nor fall below 6.5; dissolved oxygen objective is a minimum

2 Ammonia objective is calculated from Table 3-1 of the Basin Plan based on measured pH at time of sampling, assuming a temperature of 25°C

Table 4-4.2
2008-2009 Summary of Water Quality Objectives Attainment for Malibu Creek Mass Emission Station (S02)
Beneficial Uses: REC1, REC2, WARM, COLD, WILD, MIGR, SPAWN, RARE, WET

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Trace Elements	Dissolved Aluminum	ug/L	100		ND (ND - 68.6)	5	1	0	ND (ND - ND)	3	0	0
	Total Aluminum	ug/L	100		821 (ND - 1,260)	5	4	0	ND (ND - ND)	3	0	0
	Dissolved Antimony	ug/L	0.5		0.5 (0.4 - 0.5)	5	5	0	0.3 (0.3 - 0.4)	3	3	0
	Total Antimony	ug/L	0.5		0.7 (0.5 - 1.1)	5	5	0	0.4 (0.4 - 0.4)	3	3	0
	Dissolved Arsenic	ug/L	1	340 (WARM, Acute)	2.0 (1.9 - 2.9)	5	5	0	1.9 (1.8 - 2.0)	3	3	0
	Total Arsenic	ug/L	1		2.9 (1.9 - 4.0)	5	5	0	2.1 (1.8 - 2.2)	3	3	0
	Dissolved Barium	ug/L	10		28 (23 - 52)	5	5	0	34 (27 - 37)	3	3	0
	Total Barium	ug/L	10		57 (35 - 106)	5	5	0	39 (32 - 42)	3	3	0
	Dissolved Beryllium	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Beryllium	ug/L	0.5		ND (ND - 0.3)	5	2	0	ND (ND - ND)	3	0	0
	Dissolved Cadmium	ug/L	0.25	1 - 26 (WARM, Acute) *	0.4 (0.3 - 0.5)	5	5	0	ND (ND - 0.3)	3	1	0
	Total Cadmium	ug/L	0.25		1.1 (0.5 - 4.0)	5	5	0	0.3 (ND - 0.3)	3	2	0
	Dissolved Chromium	ug/L	0.5	204 - 2050 (WARM, Acute) *	2.2 (1.6 - 3.3)	5	5	0	ND (ND - 2.8)	3	1	0
	Total Chromium	ug/L	0.5		3.9 (2.6 - 23.5)	5	5	0	1.0 (0.7 - 3.6)	3	3	0
	Dissolved Chromium +6	ug/L	5	16 (WARM, Acute)	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Chromium +6	ug/L	5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Dissolved Copper	ug/L	0.5	4- 61 (WARM, Acute) *	2.7 (2.6 - 3.1)	5	5	0	1.6 (1.6 - 2.3)	3	3	0
	Total Copper	ug/L	0.5		9.8 (7.3 - 28.9)	5	5	0	7.9 (5.2 - 11.1)	3	3	0
	Dissolved Iron	ug/L	100		60.0 (ND - 77.0)	5	3	0	ND (ND - ND)	3	0	0
	Total Iron	ug/L	100		2,080 (116 - 16,700)	5	5	0	105 (81 - 110)	3	3	0
	Dissolved Lead	ug/L	0.5	14 - 350 (WARM, Acute) *	ND (ND - 0.3)	5	2	0	ND (ND - ND)	3	0	0
	Total Lead	ug/L	0.5		2.0 (0.7 - 7.4)	5	5	0	0.6 (0.5 - 0.7)	3	3	0
	Dissolved Mercury	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Mercury	ug/L	0.5	0.051 (Fish consumption)	ND (ND - 0.1)	5	1	1	ND (ND - 0.2)	3	1	1
	Dissolved Nickel	ug/L	1	150 - 1,800 (WARM, Acute) *	9.0 (7.4 - 13.3)	5	5	0	7.6 (7.5 - 9.3)	3	3	0
	Total Nickel	ug/L	1		15.9 (8.9 - 34.8)	5	5	0	8.7 (8.1 - 10.8)	3	3	0
	Dissolved Selenium	ug/L	1		6.5 (4.0 - 14.5)	5	5	0	5.4 (3.9 - 5.6)	3	3	0
	Total Selenium	ug/L	1		6.7 (4.9 - 16.7)	5	5	0	5.8 (4.2 - 6.0)	3	3	0
	Dissolved Silver	ug/L	0.25	0.3 - 60 (WARM, Acute) *	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Silver	ug/L	0.25		ND (ND - 0.3)	5	2	0	ND (ND - ND)	3	0	0
	Dissolved Thallium	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Thallium	ug/L	1		ND (ND - 0.3)	5	2	0	ND (ND - ND)	3	0	0
	Dissolved Zinc	ug/L	1	40 - 450 (WARM, Acute) *	11 (8 - 21)	5	5	0	15 (6 - 17)	3	3	0
	Total Zinc	ug/L	1		53 (24 - 129)	5	5	0	22 (20 - 24)	3	3	0

*Trace element objectives that are shown as a range are calculated from the measured hardness using procedures established in the CTR.

Table 4-4.3
2008-2009 Summary of Water Quality Objectives Attainment for Los Angeles River Mass Emission Station (S10)
Beneficial Uses: IND, PROC, GWR, REC1, REC2, WARM, MAR, WILD, RARE, MIGR, SPWN, SHELL

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Conventional					ND = Not detected				ND = Not detected			
	Oil and Grease	mg/L	5		1.4 (0.8 - 5.5)	5	5	0	0.8 (ND - 1.2)	3	2	0
	Total Phenols	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	2	0	0
	Cyanide	mg/L	0.005	0.022 (WARM)	ND (ND - 0.0)	5	1	0	0.0 (ND - 0.0)	3	2	1
	pH	NONE	0	6.5 - 8.5 (WARM) [1]	7.3 (6.9 - 7.8)	4	4	0	8.9 (8.2 - 9.2)	3	3	2
	Dissolved Oxygen	mg/L	5	5 (WARM)	9.1 (6.5 - 11.0)	5	5	0	13.7 (13.5 - 17.5)	3	3	0
	Total Coliform	MPN/100ml	20		300,000 (16,000 - 16,000,000)	5	5	0	9,000 (9,000 - 9,000)	3	3	0
	Fecal Coliform	MPN/100ml	20	400 (REC1) [3]	24,000 (500 - 16,000,000)	5	5	2	230 (130 - 1,300)	3	3	1
	Fecal Streptococcus	MPN/100ml	20		160,000 (9,000 - 9,000,000)	5	5	0	300 (ND - 2,400)	3	2	0
	Fecal Enterococcus	MPN/100ml	20		160,000 (9,000 - 9,000,000)	5	5	0	130 (ND - 2,400)	3	2	0
	Chloride	mg/L	2	150 (GWR, general)	20 (13 - 58)	4	4	0	111 (111 - 137)	3	3	0
	Fluoride	mg/L	0.1		ND (ND - 0.5)	4	2	0	0.7 (0.6 - 0.8)	3	3	0
	Sulfate	mg/L	1	350 (GWR, general)	30 (19 - 78)	4	4	0	180 (150 - 186)	3	3	0
	Alkalinity	mg/L	2		40 (34 - 88)	4	4	0	144 (140 - 165)	3	3	0
	Hardness	mg/L	2		65 (25 - 150)	4	4	0	270 (235 - 300)	3	3	0
	Chemical Oxygen Demand	mg/L	20		71 (39 - 104)	4	4	0	64 (62 - 104)	3	3	0
	Total Petroleum Hydrocarbons	mg/L	5		1.5 (0.6 - 4.8)	5	5	0	ND (ND - ND)	3	0	0
	Specific Conductance	umhos/cm	1		223 (177 - 573)	4	4	0	1,039 (1,020 - 1,240)	3	3	0
	Total Dissolved Solids	mg/L	2	1,500 (GWR, general)	139 (114 - 384)	4	4	0	674 (668 - 754)	3	3	0
	Turbidity	NTU	0.1		16.0 (4.4 - 27.2)	4	4	0	1.6 (1.6 - 2.4)	3	3	0
	Total Suspended Solids	mg/L	2		430 (221 - 820)	4	4	0	18 (16 - 27)	3	3	0
	Volatile Suspended Solids	mg/L	2		76.0 (47.0 - 142.0)	4	4	0	8.0 (7.0 - 8.0)	3	3	0
	Methylene Blue Active Substances	mg/L	0.5		0.2 (0.0 - 0.7)	4	4	0	0.2 (0.2 - 0.5)	3	3	0
	Total Organic Carbon	mg/L	1		9.3 (6.9 - 22.8)	4	4	0	8.4 (6.9 - 21.9)	3	3	0
	Biochemical Oxygen Demand	mg/L	2		17.0 (7.0 - 30.9)	4	4	0	30.5 (26.1 - 34.0)	3	3	0
	Methyl-t-butyl-ether	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
Nutrients												
	Dissolved Phosphorus	mg/L	0.05		0.3 (0.2 - 0.4)	4	4	0	0.2 (ND - 0.3)	3	2	0
	Total Phosphorus	mg/L	0.05		0.5 (0.3 - 0.7)	4	4	0	0.3 (ND - 0.4)	3	2	0
	Ammonia (as N)	mg/L	0.1		0.4 (ND - 0.7)	4	3	0	0.1 (0.1 - 0.5)	3	3	0
	Ammonia (as NH_3)	mg/L	0.1	1 - 30 (WARM) [2]	0.5 (ND - 0.9)	4	3	0	0.2 (0.1 - 0.6)	3	3	0
	Nitrate + Nitrite N	mg/L	0.5		1.0 (0.9 - 2.7)	4	4	0	1.4 (0.9 - 1.8)	3	3	0
	Nitrite - N	mg/L	0.03		ND (ND - 0.1)	4	2	0	0.2 (0.1 - 0.2)	3	3	0
	Kjeldahl-N	mg/L	0.1		2.0 (0.9 - 6.5)	4	4	0	1.5 (1.2 - 2.5)	3	3	0

Notes:

1 pH objective is not to exceed 8.5 nor fall below 6.5; dissolved oxygen objective is a minimum

2 Ammonia objective is calculated from Table 3-2 of the Basin Plan based on measured pH at time of sampling, assuming a temperature of 20°C

3 Wet weather suspension of swimming (REC1) applies to fecal coliform objective for 2008-09Event06, 2008-09Event09, and 2008-09Event21.

Table 4-4.3
2008-2009 Summary of Water Quality Objectives Attainment for Los Angeles River Mass Emission Station (S10)
Beneficial Uses: IND, PROC, GWR, REC1, REC2, WARM, MAR, WILD, RARE, MIGR, SPWN, SHELL

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Trace Elements	Dissolved Aluminum	ug/L	100		ND (ND - 153.0)	4	1	0	ND (ND - ND)	3	0	0
	Total Aluminum	ug/L	100		1,420 (530 - 1,930)	4	4	0	ND (ND - 50)	3	1	0
	Dissolved Antimony	ug/L	0.5		1.4 (0.9 - 2.4)	4	4	0	0.8 (0.6 - 1.5)	3	3	0
	Total Antimony	ug/L	0.5		3.1 (1.6 - 5.6)	4	4	0	0.8 (0.7 - 1.5)	3	3	0
	Dissolved Arsenic	ug/L	1	340 (WARM, Acute)	1.1 (0.9 - 2.1)	4	4	0	1.9 (1.4 - 2.1)	3	3	0
	Total Arsenic	ug/L	1		3.2 (1.5 - 4.0)	4	4	0	1.9 (1.5 - 2.2)	3	3	0
	Dissolved Barium	ug/L	10		23 (21 - 36)	4	4	0	39 (37 - 47)	3	3	0
	Total Barium	ug/L	10		132 (69 - 218)	4	4	0	47 (46 - 55)	3	3	0
	Dissolved Beryllium	ug/L	0.5		ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Total Beryllium	ug/L	0.5		0.2 (ND - 0.4)	4	3	0	ND (ND - ND)	3	0	0
	Dissolved Cadmium	ug/L	0.25	1 - 26 (WARM, Acute) *	0.1 (ND - 0.1)	4	3	0	0.1 (ND - 0.2)	3	2	0
	Total Cadmium	ug/L	0.25		1.0 (0.5 - 1.9)	4	4	0	0.2 (0.2 - 0.2)	3	3	0
	Dissolved Chromium	ug/L	0.5	204 - 2050 (WARM, Acute) *	2.0 (1.4 - 2.3)	4	4	0	1.5 (1.0 - 3.2)	3	3	0
	Total Chromium	ug/L	0.5		17.3 (9.1 - 28.5)	4	4	0	3.2 (1.3 - 4.5)	3	3	0
	Dissolved Chromium +6	ug/L	5	16 (WARM, Acute)	0.4 (ND - 0.7)	4	3	0	0.3 (ND - 0.4)	3	2	0
	Total Chromium +6	ug/L	5		0.4 (ND - 0.7)	4	3	0	0.3 (ND - 0.4)	3	2	0
	Dissolved Copper	ug/L	0.5	4- 61 (WARM, Acute) *	10.1 (5.6 - 14.8)	4	4	1	4.8 (4.1 - 11.9)	3	3	0
	Total Copper	ug/L	0.5		49.1 (33.4 - 124.0)	4	4	0	10.5 (9.2 - 20.6)	3	3	0
	Dissolved Iron	ug/L	100		148.5 (91.3 - 237.0)	4	4	0	ND (ND - ND)	3	0	0
	Total Iron	ug/L	100		10,030 (3,190 - 17,900)	4	4	0	115 (113 - 316)	3	3	0
	Dissolved Lead	ug/L	0.5	14 - 350 (WARM, Acute) *	3.0 (2.0 - 5.2)	4	4	0	0.3 (0.2 - 0.7)	3	3	0
	Total Lead	ug/L	0.5		40.2 (25.0 - 166.0)	4	4	0	1.4 (1.0 - 1.4)	3	3	0
	Dissolved Mercury	ug/L	0.5		ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Total Mercury	ug/L	0.5	0.051 (Fish consumption)	ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Dissolved Nickel	ug/L	1	150 - 1,800 (WARM, Acute) *	3.4 (2.3 - 8.7)	4	4	0	5.3 (4.8 - 6.9)	3	3	0
	Total Nickel	ug/L	1		16.4 (7.5 - 26.7)	4	4	0	6.1 (5.2 - 7.9)	3	3	0
	Dissolved Selenium	ug/L	1		ND (ND - 1.2)	4	1	0	2.6 (2.1 - 3.2)	3	3	0
	Total Selenium	ug/L	1		ND (ND - 1.9)	4	1	0	2.7 (2.3 - 3.3)	3	3	0
	Dissolved Silver	ug/L	0.25	0.3 - 60 (WARM, Acute) *	ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Total Silver	ug/L	0.25		0.3 (0.1 - 0.4)	4	4	0	ND (ND - ND)	3	0	0
	Dissolved Thallium	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Total Thallium	ug/L	1		ND (ND - 0.2)	4	1	0	ND (ND - ND)	3	0	0
	Dissolved Zinc	ug/L	1	40 - 450 (WARM, Acute) *	48 (30 - 78)	4	4	1	20 (13 - 29)	3	3	0
	Total Zinc	ug/L	1		206 (140 - 936)	4	4	0	32 (26 - 43)	3	3	0

*Trace element objectives that are shown as a range are calculated from the measured hardness using procedures established in the CTR.

Table 4-4.4
2008-2009 Summary of Water Quality Objectives Attainment for Coyote Creek Mass Emission Station (S13)
Beneficial Uses: IND, PROC, REC1, REC2, WARM, WILD, RARE

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
					ND = Not detected				ND = Not detected			
Conventional	Oil and Grease	mg/L	5		1.1 (0.7 - 3.6)	5	5	0	0.5 (ND - 0.9)	3	2	0
	Total Phenols	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	2	0	0
	Cyanide	mg/L	0.005	0.022 (WARM)	ND (ND - ND)	5	0	0	0.0 (0.0 - 0.0)	3	3	0
	pH	NONE	0	6.5 - 8.5 (WARM) [1]	7.3 (7.0 - 7.4)	5	5	0	8.4 (8.2 - 8.7)	3	3	1
	Dissolved Oxygen	mg/L	5	5 (WARM)	10.3 (9.5 - 13.6)	5	5	0	14.5 (12.1 - 20.7)	3	3	0
	Total Coliform	MPN/100ml	20		160,000 (5,000 - 16,000,000)	5	5	0	3,000 (1,700 - 5,000)	3	3	0
	Fecal Coliform	MPN/100ml	20	400 (REC1) [3]	24,000 (1,300 - 2,200,000)	5	5	2	300 (230 - 800)	3	3	1
	Fecal Streptococcus	MPN/100ml	20		240,000 (17,000 - 1,700,000)	5	5	0	230 (40 - 230)	3	3	0
	Fecal Enterococcus	MPN/100ml	20		130,000 (17,000 - 1,700,000)	5	5	0	80 (40 - 230)	3	3	0
	Chloride	mg/L	2		21 (20 - 32)	5	5	0	153 (149 - 193)	3	3	0
	Fluoride	mg/L	0.1		0.1 (ND - 0.3)	5	3	0	1.0 (0.9 - 1.2)	3	3	0
	Sulfate	mg/L	1		36 (33 - 53)	5	5	0	261 (239 - 332)	3	3	0
	Alkalinity	mg/L	2		55 (41 - 66)	5	5	0	234 (215 - 254)	3	3	0
	Hardness	mg/L	2		90 (60 - 130)	5	5	0	356 (310 - 400)	3	3	0
	Chemical Oxygen Demand	mg/L	20		72 (35 - 161)	5	5	0	78 (62 - 97)	3	3	0
	Total Petroleum Hydrocarbons	mg/L	5		1.0 (0.5 - 1.6)	5	5	0	ND (ND - ND)	3	0	0
	Specific Conductance	umhos/cm	1		266 (231 - 367)	5	5	0	1,776 (1,472 - 1,962)	3	3	0
	Total Dissolved Solids	mg/L	2		164 (134 - 240)	5	5	0	1,148 (952 - 1,200)	3	3	0
	Turbidity	NTU	0.1		9.4 (5.7 - 44.4)	5	5	0	1.5 (1.0 - 2.0)	3	3	0
	Total Suspended Solids	mg/L	2		235 (159 - 1,038)	5	5	0	9 (6 - 17)	3	3	0
	Volatile Suspended Solids	mg/L	2		53.0 (47.0 - 231.0)	5	5	0	4.0 (2.0 - 8.0)	3	3	0
	Methylene Blue Active Substances	mg/L	0.5		0.3 (ND - 0.4)	5	4	0	0.2 (0.1 - 0.4)	3	3	0
	Total Organic Carbon	mg/L	1		10.7 (4.7 - 27.4)	5	5	0	17.5 (5.3 - 28.0)	3	3	0
	Biochemical Oxygen Demand	mg/L	2		13.3 (6.5 - 39.0)	5	5	0	11.2 (10.8 - 18.8)	3	3	0
	Methyl-t-butyl-ether	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
Nutrients												
	Dissolved Phosphorus	mg/L	0.05		0.2 (0.1 - 0.5)	5	5	0	ND (ND - 0.1)	3	1	0
	Total Phosphorus	mg/L	0.05		0.6 (0.5 - 1.2)	5	5	0	0.1 (ND - 0.1)	3	2	0
	Ammonia (as N)	mg/L	0.1		0.3 (ND - 0.6)	5	4	0	ND (ND - ND)	3	0	0
	Ammonia (as NH_3)	mg/L	0.1	1 - 30 (WARM) [2]	0.4 (ND - 0.7)	5	4	0	ND (ND - ND)	3	0	0
	Nitrate + Nitrite N	mg/L	0.5		1.2 (0.8 - 2.4)	5	5	0	1.7 (1.3 - 2.9)	3	3	0
	Nitrite - N	mg/L	0.03		ND (ND - 0.1)	5	1	0	0.1 (ND - 0.1)	3	2	0
	Kjeldahl-N	mg/L	0.1		1.0 (0.8 - 7.0)	5	5	0	1.2 (0.8 - 1.8)	3	3	0

Notes:

1 pH objective is not to exceed 8.5 nor fall below 6.5; dissolved oxygen objective is a minimum

2 Ammonia objective is calculated from Table 3-2 of the Basin Plan based on measured pH at time of sampling, assuming a temperature of 20°C

3 Wet weather suspension of swimming (REC1) applies to fecal coliform objective for 2008-09Event06, 2008-09Event09, and 2008-09Event21.

Table 4-4.4
2008-2009 Summary of Water Quality Objectives Attainment for Coyote Creek Mass Emission Station (S13)
Beneficial Uses: IND, PROC, REC1, REC2, WARM, WILD, RARE

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Trace Elements	Dissolved Aluminum	ug/L	100		ND (ND - 118.0)	5	1	0	ND (ND - ND)	3	0	0
	Total Aluminum	ug/L	100		1,020 (189 - 2,280)	5	5	0	ND (ND - ND)	3	0	0
	Dissolved Antimony	ug/L	0.5		1.3 (0.8 - 2.7)	5	5	0	0.8 (0.5 - 1.7)	3	3	0
	Total Antimony	ug/L	0.5		2.1 (1.6 - 5.6)	5	5	0	0.8 (0.6 - 1.8)	3	3	0
	Dissolved Arsenic	ug/L	1	340 (WARM, Acute)	1.4 (0.9 - 2.5)	5	5	0	3.1 (3.1 - 4.7)	3	3	0
	Total Arsenic	ug/L	1		3.2 (1.7 - 6.8)	5	5	0	3.3 (3.2 - 5.2)	3	3	0
	Dissolved Barium	ug/L	10		26 (20 - 35)	5	5	0	49 (46 - 49)	3	3	0
	Total Barium	ug/L	10		125 (62 - 256)	5	5	0	51 (51 - 56)	3	3	0
	Dissolved Beryllium	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Beryllium	ug/L	0.5		0.2 (ND - 0.5)	5	4	0	ND (ND - ND)	3	0	0
	Dissolved Cadmium	ug/L	0.25	1 - 26 (WARM, Acute) *	ND (ND - 0.1)	5	1	0	ND (ND - 0.2)	3	1	0
	Total Cadmium	ug/L	0.25		1.5 (0.4 - 2.6)	5	5	0	ND (ND - 0.3)	3	1	0
	Dissolved Chromium	ug/L	0.5	204 - 2050 (WARM, Acute) *	1.6 (1.1 - 2.0)	5	5	0	4.1 (1.3 - 4.6)	3	3	0
	Total Chromium	ug/L	0.5		18.0 (5.4 - 23.8)	5	5	0	4.4 (2.2 - 5.7)	3	3	0
	Dissolved Chromium +6	ug/L	5	16 (WARM, Acute)	0.4 (ND - 0.5)	5	4	0	0.3 (ND - 0.6)	3	2	0
	Total Chromium +6	ug/L	5		0.4 (ND - 0.5)	5	4	0	0.3 (ND - 0.6)	3	2	0
	Dissolved Copper	ug/L	0.5	4- 61 (WARM, Acute) *	7.5 (5.1 - 14.3)	5	5	0	6.2 (4.0 - 9.3)	3	3	0
	Total Copper	ug/L	0.5		31.8 (27.8 - 170.0)	5	5	0	9.5 (9.3 - 16.6)	3	3	0
	Dissolved Iron	ug/L	100		77.5 (ND - 340.0)	5	4	0	ND (ND - ND)	3	0	0
	Total Iron	ug/L	100		8,470 (3,220 - 19,900)	5	5	0	114 (91 - 119)	3	3	0
	Dissolved Lead	ug/L	0.5	14 - 350 (WARM, Acute) *	1.1 (0.7 - 3.2)	5	5	0	ND (ND - ND)	3	0	0
	Total Lead	ug/L	0.5		30.8 (12.9 - 58.8)	5	5	0	0.7 (0.6 - 0.8)	3	3	0
	Dissolved Mercury	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Mercury	ug/L	0.5	0.051 (Fish consumption)	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Dissolved Nickel	ug/L	1	150 - 1,800 (WARM, Acute) *	2.6 (1.8 - 7.4)	5	5	0	4.0 (3.9 - 5.5)	3	3	0
	Total Nickel	ug/L	1		15.3 (7.1 - 23.8)	5	5	0	4.7 (4.5 - 6.2)	3	3	0
	Dissolved Selenium	ug/L	1		ND (ND - 1.0)	5	2	0	4.8 (3.7 - 5.8)	3	3	0
	Total Selenium	ug/L	1		1.0 (ND - 1.7)	5	4	0	4.8 (3.7 - 6.3)	3	3	0
	Dissolved Silver	ug/L	0.25	0.3 - 60 (WARM, Acute) *	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Silver	ug/L	0.25		0.2 (ND - 0.6)	5	4	0	ND (ND - ND)	3	0	0
	Dissolved Thallium	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Thallium	ug/L	1		ND (ND - 0.4)	5	2	0	ND (ND - ND)	3	0	0
	Dissolved Zinc	ug/L	1	40 - 450 (WARM, Acute) *	31 (14 - 54)	5	5	0	15 (10 - 20)	3	3	0
	Total Zinc	ug/L	1		193 (128 - 774)	5	5	0	20 (16 - 24)	3	3	0

*Trace element objectives that are shown as a range are calculated from the measured hardness using procedures established in the CTR.

Table 4-4.5
2008-2009 Summary of Water Quality Objectives Attainment for San Gabriel River Mass Emission Station (S14)
Beneficial Uses: IND, PROC, GWR, REC1, REC2, WARM, WILD, RARE

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Conventional					ND = Not detected				ND = Not detected			
	Oil and Grease	mg/L	5		ND (ND - 0.7)	5	2	0	0.5 (ND - 1.3)	3	2	0
	Total Phenols	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	2	0	0
	Cyanide	mg/L	0.005	0.022 (WARM)	0.0 (ND - 0.0)	5	3	0	0.0 (0.0 - 0.0)	3	3	0
	pH	NONE	0	6.5 - 8.5 (WARM) [1]	7.5 (6.9 - 8.2)	5	5	0	8.3 (7.5 - 8.5)	3	3	1
	Dissolved Oxygen	mg/L	5	5 (WARM)	9.3 (7.8 - 12.7)	5	5	0	8.2 (8.0 - 9.4)	3	3	0
	Total Coliform	MPN/100ml	20		28,000 (2,200 - 1,700,000)	5	5	0	9,000 (1,700 - 160,000)	3	3	0
	Fecal Coliform	MPN/100ml	20	400 (REC1) [3]	1,400 (80 - 900,000)	5	5	2	500 (230 - 1,300)	3	3	2
	Fecal Streptococcus	MPN/100ml	20		800 (40 - 300,000)	5	5	0	ND (ND - 230)	3	1	0
	Fecal Enterococcus	MPN/100ml	20		800 (40 - 240,000)	5	5	0	ND (ND - 230)	3	1	0
	Chloride	mg/L	2	150 (GWR, general)	49 (23 - 94)	5	5	0	108 (82 - 166)	3	3	1
	Fluoride	mg/L	0.1		0.1 (ND - 0.5)	5	4	0	0.5 (0.3 - 0.9)	3	3	0
	Sulfate	mg/L	1	300 (GWR, general)	58 (41 - 120)	5	5	0	117 (113 - 219)	3	3	0
	Alkalinity	mg/L	2		72 (50 - 138)	5	5	0	151 (119 - 172)	3	3	0
	Hardness	mg/L	2		145 (90 - 230)	5	5	0	236 (210 - 325)	3	3	0
	Chemical Oxygen Demand	mg/L	20		65 (46 - 67)	5	5	0	61 (25 - 63)	3	3	0
	Total Petroleum Hydrocarbons	mg/L	5		ND (ND - 1.1)	5	2	0	ND (ND - ND)	3	0	0
	Specific Conductance	umhos/cm	1		486 (275 - 845)	5	5	0	1,045 (828 - 1,241)	3	3	0
	Total Dissolved Solids	mg/L	2	750 (GWR, general)	290 (180 - 554)	5	5	0	620 (516 - 764)	3	3	1
	Turbidity	NTU	0.1		16.1 (3.3 - 30.5)	5	5	0	1.3 (1.2 - 1.8)	3	3	0
	Total Suspended Solids	mg/L	2		156 (16 - 261)	5	5	0	17 (13 - 21)	3	3	0
	Volatile Suspended Solids	mg/L	2		24.0 (4.0 - 45.0)	5	5	0	6.0 (3.0 - 7.0)	3	3	0
	Methylene Blue Active Substances	mg/L	0.5		0.1 (ND - 0.4)	5	4	0	0.1 (0.1 - 0.3)	3	3	0
	Total Organic Carbon	mg/L	1		7.1 (5.3 - 13.2)	5	5	0	9.5 (4.9 - 10.1)	3	3	0
	Biochemical Oxygen Demand	mg/L	2		8.0 (4.6 - 13.7)	5	5	0	11.7 (10.6 - 14.8)	3	3	0
	Methyl-t-butyl-ether	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
Nutrients												
	Dissolved Phosphorus	mg/L	0.05		0.2 (0.1 - 0.3)	5	5	0	0.3 (ND - 0.3)	3	2	0
	Total Phosphorus	mg/L	0.05		0.4 (0.1 - 0.6)	5	5	0	0.4 (ND - 0.5)	3	2	0
	Ammonia (as N)	mg/L	0.1		0.1 (ND - 1.0)	5	3	0	0.4 (0.3 - 0.4)	3	3	0
	Ammonia (as NH_3)	mg/L	0.1	1 - 30 (WARM) [2]	0.1 (ND - 1.2)	5	3	0	0.5 (0.4 - 0.5)	3	3	0
	Nitrate + Nitrite N	mg/L	0.5		1.8 (1.1 - 5.6)	5	5	0	6.0 (5.7 - 6.2)	3	3	0
	Nitrite - N	mg/L	0.03		ND (ND - 0.0)	5	1	0	0.0 (ND - 0.1)	3	2	0
	Kjeldahl-N	mg/L	0.1		0.9 (0.6 - 3.2)	5	5	0	1.3 (1.2 - 2.0)	3	3	0

Notes:

1 pH objective is not to exceed 8.5 nor fall below 6.5; dissolved oxygen objective is a minimum

2 Ammonia objective is calculated from Table 3-2 of the Basin Plan based on measured pH at time of sampling, assuming a temperature of 20°C

3 Wet weather suspension of swimming (REC1) applies to fecal coliform objective for 2008-09Event06, 2008-09Event09, and 2008-09Event21.

Table 4-4.5
2008-2009 Summary of Water Quality Objectives Attainment for San Gabriel River Mass Emission Station (S14)
Beneficial Uses: IND, PROC, GWR, REC1, REC2, WARM, WILD, RARE

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Trace Elements	Dissolved Aluminum	ug/L	100		ND (ND - 165.0)	5	1	0	ND (ND - ND)	3	0	0
	Total Aluminum	ug/L	100		675 (ND - 2,340)	5	4	0	ND (ND - 292)	3	1	0
	Dissolved Antimony	ug/L	0.5		0.6 (0.5 - 1.1)	5	5	0	0.6 (0.5 - 0.9)	3	3	0
	Total Antimony	ug/L	0.5		1.2 (0.9 - 2.1)	5	5	0	0.7 (0.6 - 0.9)	3	3	0
	Dissolved Arsenic	ug/L	1	340 (WARM, Acute)	1.1 (1.0 - 1.6)	5	5	0	1.4 (1.2 - 1.6)	3	3	0
	Total Arsenic	ug/L	1		2.2 (1.7 - 2.9)	5	5	0	1.5 (1.2 - 1.6)	3	3	0
	Dissolved Barium	ug/L	10		29 (22 - 38)	5	5	0	42 (34 - 56)	3	3	0
	Total Barium	ug/L	10		85 (51 - 153)	5	5	0	52 (36 - 65)	3	3	0
	Dissolved Beryllium	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Beryllium	ug/L	0.5		0.2 (ND - 0.4)	5	4	0	ND (ND - ND)	3	0	0
	Dissolved Cadmium	ug/L	0.25	1 - 26 (WARM, Acute) *	ND (ND - 0.1)	5	1	0	ND (ND - 0.1)	3	1	0
	Total Cadmium	ug/L	0.25		0.5 (ND - 0.7)	5	4	0	ND (ND - 0.1)	3	1	0
	Dissolved Chromium	ug/L	0.5	204 - 2050 (WARM, Acute) *	1.4 (1.0 - 3.0)	5	5	0	1.1 (0.8 - 1.7)	3	3	0
	Total Chromium	ug/L	0.5		11.6 (3.5 - 25.7)	5	5	0	1.7 (1.0 - 3.0)	3	3	0
	Dissolved Chromium +6	ug/L	5	16 (WARM, Acute)	0.3 (ND - 0.4)	5	3	0	ND (ND - 0.4)	3	1	0
	Total Chromium +6	ug/L	5		0.3 (ND - 0.4)	5	3	0	ND (ND - 0.4)	3	1	0
	Dissolved Copper	ug/L	0.5	4- 61 (WARM, Acute) *	3.5 (3.1 - 5.8)	5	5	0	3.7 (3.0 - 5.2)	3	3	0
	Total Copper	ug/L	0.5		23.9 (11.4 - 43.8)	5	5	0	10.5 (7.1 - 10.7)	3	3	0
	Dissolved Iron	ug/L	100		95.9 (ND - 150.0)	5	4	0	ND (ND - 52.6)	3	1	0
	Total Iron	ug/L	100		7,740 (452 - 17,700)	5	5	0	375 (119 - 618)	3	3	0
	Dissolved Lead	ug/L	0.5	14 - 350 (WARM, Acute) *	1.1 (0.8 - 1.7)	5	5	0	0.3 (0.2 - 0.3)	3	3	0
	Total Lead	ug/L	0.5		14.6 (2.0 - 42.3)	5	5	0	1.5 (0.8 - 1.8)	3	3	0
	Dissolved Mercury	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Mercury	ug/L	0.5	0.051 (Fish consumption)	ND (ND - 0.2)	5	1	1	ND (ND - 0.1)	3	1	1
	Dissolved Nickel	ug/L	1	150 - 1,800 (WARM, Acute) *	3.0 (2.4 - 4.5)	5	5	0	4.3 (4.2 - 4.7)	3	3	0
	Total Nickel	ug/L	1		9.4 (5.2 - 18.6)	5	5	0	5.0 (4.8 - 5.8)	3	3	0
	Dissolved Selenium	ug/L	1		0.7 (ND - 1.2)	5	3	0	1.2 (1.2 - 2.1)	3	3	0
	Total Selenium	ug/L	1		0.7 (ND - 1.4)	5	4	0	1.4 (1.4 - 2.4)	3	3	0
	Dissolved Silver	ug/L	0.25	0.3 - 60 (WARM, Acute) *	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Silver	ug/L	0.25		ND (ND - 0.2)	5	2	0	ND (ND - ND)	3	0	0
	Dissolved Thallium	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Thallium	ug/L	1		ND (ND - 0.2)	5	1	0	ND (ND - ND)	3	0	0
	Dissolved Zinc	ug/L	1	40 - 450 (WARM, Acute) *	19 (15 - 36)	5	5	0	32 (26 - 35)	3	3	0
	Total Zinc	ug/L	1		100 (48 - 223)	5	5	0	44 (28 - 46)	3	3	0

*Trace element objectives that are shown as a range are calculated from the measured hardness using procedures established in the CTR.

Table 4-4.6
2008-2009 Summary of Water Quality Objectives Attainment for Dominguez Channel Mass Emission Station (S28)
Beneficial Uses: IND, PROC, GWR, REC1, REC2, WARM, WILD, MAR, RARE

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Conventional					ND = Not detected				ND = Not detected			
	Oil and Grease	mg/L	5		2.5 (0.5 - 5.4)	5	5	0	0.6 (0.5 - 1.2)	3	3	0
	Total Phenols	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - 0.2)	2	0	0
	Cyanide	mg/L	0.005	0.022 (WARM)	ND (ND - ND)	5	0	0	ND (ND - 0.0)	3	1	0
	pH	NONE	0	6.5 - 8.5 (WARM) [1]	6.8 (6.7 - 7.1)	5	5	0	8.7 (8.3 - 8.7)	3	3	2
	Dissolved Oxygen	mg/L	5	5 (WARM)	11.3 (10.2 - 12.5)	5	5	0	15.5 (15.0 - 16.6)	3	3	0
	Total Coliform	MPN/100ml	20		240,000 (90,000 - 900,000)	5	5	0	3,000 (300 - 30,000)	3	3	0
	Fecal Coliform	MPN/100ml	20	400 (REC1) [3]	22,000 (3,000 - 900,000)	5	5	2	90 (20 - 1,300)	3	3	1
	Fecal Streptococcus	MPN/100ml	20		30,000 (24,000 - 50,000)	5	5	0	230 (ND - 500)	3	2	0
	Fecal Enterococcus	MPN/100ml	20		30,000 (13,000 - 50,000)	5	5	0	230 (ND - 500)	3	2	0
	Chloride	mg/L	2		15 (11 - 22)	5	5	0	162 (159 - 164)	3	3	0
	Fluoride	mg/L	0.1		0.1 (ND - 0.3)	5	4	0	0.7 (0.7 - 0.8)	3	3	0
	Sulfate	mg/L	1		13 (11 - 24)	5	5	0	149 (122 - 152)	3	3	0
	Alkalinity	mg/L	2		28 (21 - 44)	5	5	0	201 (193 - 206)	3	3	0
	Hardness	mg/L	2		50 (30 - 110)	5	5	0	325 (300 - 330)	3	3	0
	Chemical Oxygen Demand	mg/L	20		48 (35 - 76)	5	5	0	89 (47 - 127)	3	3	0
	Total Petroleum Hydrocarbons	mg/L	5		1.5 (0.6 - 3.8)	5	5	0	ND (ND - ND)	3	0	0
	Specific Conductance	umhos/cm	1		136 (108 - 211)	5	5	0	1,285 (1,174 - 1,287)	3	3	0
	Total Dissolved Solids	mg/L	2		82 (64 - 138)	5	5	0	726 (724 - 810)	3	3	0
	Turbidity	NTU	0.1		10.4 (6.2 - 17.5)	5	5	0	2.3 (1.2 - 2.6)	3	3	0
	Total Suspended Solids	mg/L	2		169 (121 - 281)	5	5	0	21 (5 - 63)	3	3	0
	Volatile Suspended Solids	mg/L	2		56.0 (28.0 - 77.0)	5	5	0	6.0 (3.0 - 13.0)	3	3	0
	Methylene Blue Active Substances	mg/L	0.5		0.4 (0.3 - 0.6)	5	5	0	0.2 (0.2 - 0.5)	3	3	0
	Total Organic Carbon	mg/L	1		8.6 (7.0 - 15.8)	5	5	0	9.8 (5.4 - 17.6)	3	3	0
	Biochemical Oxygen Demand	mg/L	2		13.5 (7.7 - 21.4)	5	5	0	9.8 (8.8 - 15.4)	3	3	0
	Methyl-t-butyl-ether	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
Nutrients												
	Dissolved Phosphorus	mg/L	0.05		0.2 (ND - 0.4)	5	4	0	0.3 (ND - 0.3)	3	2	0
	Total Phosphorus	mg/L	0.05		0.5 (0.4 - 0.7)	5	5	0	0.4 (0.4 - 0.6)	3	3	0
	Ammonia (as N)	mg/L	0.1		0.2 (ND - 0.7)	5	4	0	0.1 (ND - 0.2)	3	2	0
	Ammonia (as NH_3)	mg/L	0.1	1 - 30 (WARM) [2]	0.3 (ND - 0.8)	5	4	0	0.2 (0.1 - 0.2)	3	3	0
	Nitrate + Nitrite N	mg/L	0.5		0.8 (0.6 - 1.4)	5	5	0	2.3 (1.3 - 2.9)	3	3	0
	Nitrite - N	mg/L	0.03		ND (ND - 0.0)	5	1	0	ND (ND - 0.0)	3	1	0
	Kjeldahl-N	mg/L	0.1		0.8 (0.6 - 3.7)	5	5	0	1.4 (0.8 - 2.5)	3	3	0

Notes:

1 pH objective is not to exceed 8.5 nor fall below 6.5; dissolved oxygen objective is a minimum

2 Ammonia objective is calculated from Table 3-2 of the Basin Plan based on measured pH at time of sampling, assuming a temperature of 20°C

3 Wet weather suspension of swimming (REC1) applies to fecal coliform objective for 2008-09Event06, 2008-09Event09, and 2008-09Event21.

Table 4-4.6
2008-2009 Summary of Water Quality Objectives Attainment for Dominguez Channel Mass Emission Station (S28)
Beneficial Uses: IND, PROC, GWR, REC1, REC2, WARM, WILD, MAR, RARE

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Trace Elements	Dissolved Aluminum	ug/L	100		ND (ND - 348.0)	5	1	0	ND (ND - ND)	3	0	0
	Total Aluminum	ug/L	100		388 (245 - 1,860)	5	5	0	ND (ND - 93)	3	1	0
	Dissolved Antimony	ug/L	0.5		1.7 (1.2 - 2.6)	5	5	0	1.4 (1.3 - 2.5)	3	3	0
	Total Antimony	ug/L	0.5		3.7 (2.6 - 4.4)	5	5	0	1.5 (1.3 - 2.5)	3	3	0
	Dissolved Arsenic	ug/L	1	340 (WARM, Acute)	1.4 (1.1 - 1.4)	5	5	0	1.8 (1.7 - 1.9)	3	3	0
	Total Arsenic	ug/L	1		2.2 (1.8 - 2.5)	5	5	0	1.9 (1.8 - 2.1)	3	3	0
	Dissolved Barium	ug/L	10		21 (16 - 24)	5	5	0	74 (73 - 81)	3	3	0
	Total Barium	ug/L	10		84 (51 - 111)	5	5	0	82 (76 - 88)	3	3	0
	Dissolved Beryllium	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Beryllium	ug/L	0.5		ND (ND - 0.2)	5	2	0	ND (ND - ND)	3	0	0
	Dissolved Cadmium	ug/L	0.25	1 - 26 (WARM, Acute) *	ND (ND - 0.1)	5	2	0	0.1 (ND - 0.1)	3	2	0
	Total Cadmium	ug/L	0.25		0.6 (0.4 - 0.8)	5	5	0	0.2 (ND - 0.2)	3	2	0
	Dissolved Chromium	ug/L	0.5	204 - 2050 (WARM, Acute) *	2.1 (1.4 - 2.3)	5	5	0	1.9 (1.2 - 3.5)	3	3	0
	Total Chromium	ug/L	0.5		10.3 (7.6 - 12.8)	5	5	0	2.3 (1.5 - 4.5)	3	3	0
	Dissolved Chromium +6	ug/L	5	16 (WARM, Acute)	0.8 (0.3 - 1.3)	5	5	0	0.7 (ND - 0.9)	3	2	0
	Total Chromium +6	ug/L	5		0.8 (0.3 - 1.3)	5	5	0	0.7 (ND - 0.9)	3	2	0
	Dissolved Copper	ug/L	0.5	4- 61 (WARM, Acute) *	14.2 (13.8 - 21.6)	5	5	5	8.9 (7.2 - 18.2)	3	3	0
	Total Copper	ug/L	0.5		54.6 (46.3 - 92.4)	5	5	0	14.9 (14.2 - 24.4)	3	3	0
	Dissolved Iron	ug/L	100		82.7 (59.9 - 210.0)	5	5	0	ND (ND - ND)	3	0	0
	Total Iron	ug/L	100		3,270 (2,590 - 4,580)	5	5	0	203 (97 - 397)	3	3	0
	Dissolved Lead	ug/L	0.5	14 - 350 (WARM, Acute) *	1.6 (1.5 - 2.5)	5	5	0	0.2 (0.2 - 0.4)	3	3	0
	Total Lead	ug/L	0.5		22.9 (14.7 - 26.3)	5	5	0	1.3 (0.8 - 1.6)	3	3	0
	Dissolved Mercury	ug/L	0.5		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Mercury	ug/L	0.5	0.051 (Fish consumption)	ND (ND - 0.1)	5	1	1	ND (ND - ND)	3	0	0
	Dissolved Nickel	ug/L	1	150 - 1,800 (WARM, Acute) *	2.4 (2.3 - 6.3)	5	5	0	4.0 (3.6 - 6.0)	3	3	0
	Total Nickel	ug/L	1		9.3 (6.3 - 12.4)	5	5	0	5.0 (4.2 - 6.5)	3	3	0
	Dissolved Selenium	ug/L	1		ND (ND - ND)	5	0	0	2.3 (2.1 - 4.1)	3	3	0
	Total Selenium	ug/L	1		ND (ND - 0.6)	5	1	0	2.5 (2.1 - 4.8)	3	3	0
	Dissolved Silver	ug/L	0.25	0.3 - 60 (WARM, Acute) *	ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Silver	ug/L	0.25		0.1 (ND - 0.2)	5	4	0	ND (ND - ND)	3	0	0
	Dissolved Thallium	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Total Thallium	ug/L	1		ND (ND - ND)	5	0	0	ND (ND - ND)	3	0	0
	Dissolved Zinc	ug/L	1	40 - 450 (WARM, Acute) *	88 (83 - 148)	5	5	5	23 (11 - 26)	3	3	0
	Total Zinc	ug/L	1		254 (210 - 387)	5	5	0	31 (23 - 37)	3	3	0

*Trace element objectives that are shown as a range are calculated from the measured hardness using procedures established in the CTR.

Table 4-4.7
2008-2009 Summary of Water Quality Objectives Attainment for Santa Clara River Mass Emission Station (S29)
Beneficial Uses: IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RARE, WET

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Conventional					ND = Not detected				ND = Not detected			
	Oil and Grease	mg/L	5		1.3 (ND - 2.0)	4	3	0	ND (ND - 1.1)	3	1	0
	Total Phenols	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	2	0	0
	Cyanide	mg/L	0.005	0.022 (WARM)	ND (ND - ND)	4	0	0	0.0 (ND - 0.0)	3	2	0
	pH	NONE	0	6.5 - 8.5 (WARM) [1]	7.2 (6.7 - 8.0)	4	4	0	7.9 (7.5 - 7.9)	3	3	0
	Dissolved Oxygen	mg/L	5	5 (WARM)	11.6 (10.8 - 11.8)	4	4	0	9.6 (8.8 - 10.5)	3	3	0
	Total Coliform	MPN/100ml	20		125,000 (50,000 - 300,000)	4	4	0	3,000 (1,110 - 3,000)	3	3	0
	Fecal Coliform	MPN/100ml	20	400 (REC1)	7,000 (3,000 - 16,000)	4	4	4	230 (40 - 800)	3	3	1
	Fecal Streptococcus	MPN/100ml	20		20,000 (9,000 - 160,000)	4	4	0	230 (20 - 800)	3	3	0
	Fecal Enterococcus	MPN/100ml	20		20,000 (9,000 - 160,000)	4	4	0	80 (20 - 130)	3	3	0
	Chloride	mg/L	2	150 (GWR, AGR, general)	16 (14 - 24)	4	4	0	107 (104 - 109)	3	3	0
	Fluoride	mg/L	0.1		ND (ND - ND)	4	0	0	0.5 (0.4 - 0.6)	3	3	0
	Sulfate	mg/L	1	600 (GWR, AGR, general)	30 (23 - 35)	4	4	0	191 (189 - 200)	3	3	0
	Alkalinity	mg/L	2		50 (48 - 55)	4	4	0	262 (261 - 289)	3	3	0
	Hardness	mg/L	2		78 (70 - 90)	4	4	0	410 (390 - 416)	3	3	0
	Chemical Oxygen Demand	mg/L	20		36 (21 - 68)	4	4	0	59 (47 - 93)	3	3	0
	Total Petroleum Hydrocarbons	mg/L	5		0.7 (ND - 0.8)	4	3	0	ND (ND - ND)	3	0	0
	Specific Conductance	umhos/cm	1		225 (204 - 265)	4	4	0	1,220 (1,212 - 1,263)	3	3	0
	Total Dissolved Solids	mg/L	2	1,200 (GWR, AGR, general)	136 (130 - 174)	4	4	0	802 (764 - 810)	3	3	0
	Turbidity	NTU	0.1		144.9 (25.4 - 216.0)	4	4	0	0.6 (0.6 - 1.0)	3	3	0
	Total Suspended Solids	mg/L	2		681 (518 - 1,983)	4	4	0	5 (3 - 5)	3	3	0
	Volatile Suspended Solids	mg/L	2		93.5 (79.0 - 364.0)	4	4	0	2.0 (ND - 2.0)	3	2	0
	Methylene Blue Active Substances	mg/L	0.5		ND (ND - 0.1)	4	1	0	0.1 (ND - 0.1)	3	2	0
	Total Organic Carbon	mg/L	1		7.4 (3.6 - 10.6)	4	4	0	1.8 (1.7 - 2.1)	3	3	0
	Biochemical Oxygen Demand	mg/L	2		7.4 (6.3 - 10.7)	4	4	0	ND (ND - ND)	3	0	0
	Methyl-t-butyl-ether	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
Nutrients												
	Dissolved Phosphorus	mg/L	0.05		0.2 (0.1 - 0.4)	4	4	0	0.2 (ND - 0.2)	3	2	0
	Total Phosphorus	mg/L	0.05		0.8 (0.7 - 0.9)	4	4	0	0.2 (ND - 0.2)	3	2	0
	Ammonia (as N)	mg/L	0.1		ND (ND - 0.2)	4	2	0	ND (ND - ND)	3	0	0
	Ammonia (as NH_3)	mg/L	0.1	1 - 30 (WARM) [2]	ND (ND - 0.2)	4	2	0	ND (ND - ND)	3	0	0
	Nitrate + Nitrite N	mg/L	0.5		0.8 (0.6 - 1.0)	4	4	0	1.8 (1.4 - 1.8)	3	3	0
	Nitrite - N	mg/L	0.03		ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Kjeldahl-N	mg/L	0.1		0.8 (0.5 - 1.4)	4	4	0	0.4 (0.4 - 0.7)	3	3	0

Notes:

1 pH objective is not to exceed 8.5 nor fall below 6.5; dissolved oxygen objective is a minimum

2 Ammonia objective is calculated from Table 3-2 of the Basin Plan based on measured pH at time of sampling, assuming a temperature of 20°C

Table 4-4.7
2008-2009 Summary of Water Quality Objectives Attainment for Santa Clara River Mass Emission Station (S29)
Beneficial Uses: IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RARE, WET

					Wet Weather Events				Dry Weather Events			
	Constituent	Units	PQL	Applicable Objective	Median (Range)	# Mes.	# Det.	#Not Attain.	Median (Range)	# Mes.	# Det.	#Not Attain.
Trace Elements	Dissolved Aluminum	ug/L	100		ND (ND - 752.0)	4	1	0	ND (ND - ND)	3	0	0
	Total Aluminum	ug/L	100		5,615 (171 - 7,690)	4	4	0	ND (ND - ND)	3	0	0
	Dissolved Antimony	ug/L	0.5		0.7 (0.6 - 0.7)	4	4	0	0.2 (ND - 0.3)	3	2	0
	Total Antimony	ug/L	0.5		1.2 (1.0 - 1.5)	4	4	0	0.2 (0.2 - 0.3)	3	3	0
	Dissolved Arsenic	ug/L	1	340 (WARM, Acute)	1.2 (0.9 - 1.3)	4	4	0	1.2 (1.2 - 1.4)	3	3	0
	Total Arsenic	ug/L	1		4.2 (2.8 - 4.3)	4	4	0	1.4 (1.3 - 1.5)	3	3	0
	Dissolved Barium	ug/L	10		26 (20 - 31)	4	4	0	57 (54 - 62)	3	3	0
	Total Barium	ug/L	10		337 (126 - 495)	4	4	0	62 (58 - 65)	3	3	0
	Dissolved Beryllium	ug/L	0.5		ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Total Beryllium	ug/L	0.5		0.8 (0.5 - 1.1)	4	4	0	ND (ND - ND)	3	0	0
	Dissolved Cadmium	ug/L	0.25	1 - 26 (WARM, Acute) *	ND (ND - ND)	4	0	0	ND (ND - 0.1)	3	1	0
	Total Cadmium	ug/L	0.25		1.3 (0.4 - 1.3)	4	4	0	ND (ND - 0.1)	3	1	0
	Dissolved Chromium	ug/L	0.5	204 - 2050 (WARM, Acute) *	1.3 (0.9 - 1.9)	4	4	0	2.6 (2.3 - 3.2)	3	3	0
	Total Chromium	ug/L	0.5		37.9 (17.1 - 46.4)	4	4	0	2.9 (2.9 - 4.1)	3	3	0
	Dissolved Chromium +6	ug/L	5	16 (WARM, Acute)	ND (ND - 0.3)	4	2	0	ND (ND - ND)	3	0	0
	Total Chromium +6	ug/L	5		ND (ND - 0.3)	4	2	0	ND (ND - ND)	3	0	0
	Dissolved Copper	ug/L	0.5	4- 61 (WARM, Acute) *	4.0 (3.7 - 5.3)	4	4	0	1.6 (1.0 - 1.7)	3	3	0
	Total Copper	ug/L	0.5		44.3 (24.6 - 51.7)	4	4	0	6.8 (4.4 - 7.9)	3	3	0
	Dissolved Iron	ug/L	100		243.5 (171.0 - 434.0)	4	4	0	ND (ND - ND)	3	0	0
	Total Iron	ug/L	100		35,300 (12,100 - 44,400)	4	4	0	84 (74 - 97)	3	3	0
	Dissolved Lead	ug/L	0.5	14 - 350 (WARM, Acute) *	1.4 (1.1 - 2.4)	4	4	0	ND (ND - ND)	3	0	0
	Total Lead	ug/L	0.5		40.8 (15.3 - 110.0)	4	4	0	0.4 (0.3 - 0.7)	3	3	0
	Dissolved Mercury	ug/L	0.5		ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Total Mercury	ug/L	0.5	0.051 (Fish consumption)	ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Dissolved Nickel	ug/L	1	150 - 1,800 (WARM, Acute) *	2.5 (1.8 - 3.4)	4	4	0	10.9 (10.2 - 10.9)	3	3	0
	Total Nickel	ug/L	1		27.9 (11.9 - 31.0)	4	4	0	11.6 (10.8 - 11.6)	3	3	0
	Dissolved Selenium	ug/L	1		ND (ND - ND)	4	0	0	2.2 (2.0 - 2.3)	3	3	0
	Total Selenium	ug/L	1		ND (ND - 0.8)	4	1	0	2.6 (2.3 - 2.9)	3	3	0
	Dissolved Silver	ug/L	0.25	0.3 - 60 (WARM, Acute) *	ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Total Silver	ug/L	0.25		0.3 (0.1 - 0.4)	4	4	0	ND (ND - ND)	3	0	0
	Dissolved Thallium	ug/L	1		ND (ND - ND)	4	0	0	ND (ND - ND)	3	0	0
	Total Thallium	ug/L	1		0.2 (ND - 0.4)	4	3	0	ND (ND - ND)	3	0	0
	Dissolved Zinc	ug/L	1	40 - 450 (WARM, Acute) *	15 (12 - 27)	4	4	0	9 (7 - 11)	3	3	0
	Total Zinc	ug/L	1		166 (80 - 170)	4	4	0	17 (11 - 20)	3	3	0

*Trace element objectives that are shown as a range are calculated from the measured hardness using procedures established in the CTR.