Table 4-5.1. Upper Las Virgenes Creek Dry & Wet Weather Exceedance Summary

Group	Parameter	Units	Upper Las Virgenes Creek TS25 2012-13Dry					Upper Las Virgenes Creek TS25 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Bacteria	E. coli	MPN/100mL	235	847(435-1259)	2	**2**	2	235	3500(1700-7660)	5	**5**	5
Bacteria	Fecal Coliform	MPN/100mL		550(300-800)	2	0	2		3500(1700-22000)	5	0	5
Bacteria	Fecal Enterococcus	MPN/100mL		3350(1700-5000)	2	0	2		11000(5400-160000)	5	0	5
Bacteria	Fecal Streptococcus	MPN/100mL		3600(2200-5000)	2	0	2		11000(5400-160000)	5	0	5
Bacteria	Total Coliform	MPN/100mL		3700(2400-5000)	2	0	2		16000(16000-90000)	5	0	5
Chlorinated Pesticides	4-4'-DDD	ug/L		0.0055(0.0055-0.0055)	1	0	0		0.0029025(0.000305-0.0055)	6	0	0
Chlorinated Pesticides	4-4'-DDE	ug/L		0.002(0.002-0.002)	1	0	0		0.0012225(0.000445-0.002)	6	0	0
Chlorinated Pesticides	4-4'-DDT	ug/L	1.1	0.005(0.005-0.005)	1	0	0	1.1	0.0026475(0.000295-0.005)	6	0	0
Chlorinated Pesticides	Aldrin	ug/L	3	0.002(0.002-0.002)	1	0	0	3	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Dieldrin	ug/L	0.24	0.001(0.001-0.001)	1	0	0	0.24	0.0006625(0.000325-0.001)	6	0	0
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	0.22	0.005(0.005-0.005)	1	0	0	0.22	0.011(0.005-0.037)	6	0	3
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	0.22	0.002(0.002-0.002)	1	0	0	0.22	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Endosulfan sulfate	ug/L		0.025(0.025-0.025)	1	0	0		0.01465(0.0003-0.025)	6	0	1
Chlorinated Pesticides	Endrin	ug/L	0.086	0.003(0.003-0.003)	1	0	0	0.086	0.001655(0.00031-0.003)	6	0	0
Chlorinated Pesticides	Endrin aldehyde	ug/L		0.005(0.005-0.005)	1	0	0		0.00266(0.00032-0.005)	6	0	0
Chlorinated Pesticides	Heptachlor	ug/L	0.52	0.0015(0.0015-0.0015)	1	0	0	0.52	0.00093(0.00036-0.0015)	6	0	0
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	0.52	0.005(0.005-0.005)	1	0	0	0.52	0.00267(0.00034-0.005)	6	0	0
Chlorinated Pesticides	Methoxychlor	ug/L		0.25(0.25-0.25)	1	0	0		0.1252425(0.000485-0.25)	6	0	0
Chlorinated Pesticides	Toxaphene	ug/L	0.73	0.12(0.12-0.12)	1	0	0	0.73	0.0623(0.0046-0.12)	6	0	0
Chlorinated Pesticides	alpha-BHC	ug/L		0.005(0.005-0.005)	1	0	0		0.0026675(0.000335-0.005)	6	0	0
Chlorinated Pesticides	alpha-chlordane	ug/L		0.0165(0.0165-0.0165)	1	0	0		0.008405(0.00031-0.0165)	6	0	0
Chlorinated Pesticides	beta-BHC	ug/L		0.0025(0.0025-0.0025)	1	0	0		0.0025(0.00075-0.01)	6	0	1
Chlorinated Pesticides	delta-BHC	ug/L		0.0025(0.0025-0.0025)	1	0	0		0.001415(0.00033-0.0025)	6	0	0
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	0.95	0.002(0.002-0.002)	1	0	0	0.95	0.002(0.000465-0.0049)	6	0	1
Chlorinated Pesticides	gamma-chlordane	ug/L		0.0165(0.0165-0.0165)	1	0	0		0.0084(0.0003-0.0165)	6	0	0
Conventionals	Cyanide	mg/L	0.022	0.00625(0.0025-0.01)	2	0	1	0.022	0.000345(0.000345-0.012)	5	0	1
Conventionals	Dissolved Oxygen	mg/L	5	14(11.3-16.7)	2	0	2	5	9.55(8.92-12.3)	5	0	5
Conventionals	Oil and Grease	mg/L		0.72(0.72-0.72)	2	0	0		0.4(0-0.72)	5	0	0
Conventionals	pH	pH units		7.62(7.52-7.72)	2	0	2		8.14(7.85-8.36)	6	0	6
General	Alkalinity as CaCO3	mg/L		185.5(165-206)	2	0	2		99.5(62-165)	6	0	6
General	Ammonia	mg/L	14.4-14.4	0.254(0.254-0.254)	1	0	1	3.88-10.1	0.534(0.18-0.799)	6	0	6
General	BioChemical Oxygen Demand- Five-Day	mg/L		2.535(0.5-4.57)	2	0	1		5.47(4.3-10)	6	0	6
General	Chemical Oxygen Demand	mg/L		33.5(29-38)	2	0	2		41.5(27-110)	6	0	6
General	Chloride	mg/L	500	193(179-207)	2	0	2	500	58(42.8-103)	6	0	6
General	Dissolved Phosphorus	mg/L		0.07(0.07-0.07)	1	0	1		0.28(0.15-0.39)	6	0	6
General	Fluoride	mg/L		0.614(0.505-0.723)	2	0	2		0.245(0.218-0.483)	6	0	6
General	Hardness as CaCO3	mg/L		1205(1050-1360)	2	0	2		375(190-880)	6	0	6
General	Kjeldahl-N	mg/L		1.88(1.88-1.88)	1	0	1		1.63(0.86-5.1)	6	0	6
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L		0.165(0.165-0.165)	2	0	0		0.07(0.07-0.165)	5	0	0
General	Methylene Blue Active Substances (MBAS)	mg/L		0.28(0-0.56)	2	0	1		0.125(0-0.68)	6	0	4
General	NH3-N	mg/L		0.21(0.21-0.21)	1	0	1		0.44(0.15-0.66)	6	0	6
General	Nitrate (NO3)	mg/L	45	1.835(0-3.67)	2	0	1	45	3.96(2.54-5.51)	6	0	6
General	Nitrate-N	mg/L	10	0.414(0-0.828)	2	0	1	10	0.8955(0.573-1.24)	6	0	6
General	Nitrite-N	mg/L	1	0.005(0.005-0.005)	2	0	0	1	0.0025(0-0.005)	6	0	0
General	Phosphorus- Total (as P)	mg/L		0.09(0.09-0.09)	1	0	1		0.445(0.35-3.4)	6	0	6
General	Specific Conductance	umhos/cm		2.695(2.36-3.03)	2	0	2		860(540-1740)	6	0	6
General	Sulfate	mg/L	500	1171.5(993-1350)	2	**2**	2	500	320(140-721)	6	**1**	6
General	Total Dissolved Solids	mg/L	2000	2750(2750-2750)	1	**1**	1	2000	662.5(340-1510)	6	0	6
General	Total Organic Carbon	mg/L		11.65(10.6-12.7)	2	0	2		13.35(8.5-21.9)	6	0	6
General	Total Petroleum Hydrocarbons	mg/L		0.75(0.75-0.75)	2	0	0		0.475(0.475-0.75)	5	0	0
General	Total Suspended Solids	mg/L		9(9-9)	1	0	1		70.5(16-781)	6	0	6
General	Turbidity	NTU		3.27(0.59-5.95)	2	0	2		14.865(4.19-28)	6	0	6
General	Volatile Suspended Solids	mg/L		7(7-7)	1	0	1		28(11-165)	6	0	6
Herbicides	2-4-5-TP-SILVEX	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0.0335-0.0335)	6	0	0
Herbicides	2-4-D	ug/L		0.00875(0.0075-0.01)	2	0	0		0.00875(0.0075-0.01)	6	0	0
Herbicides	Glyphosate	ug/L		2.5(2.5-2.5)	2	0	0		3.95(2.5-12)	6	0	3

Group	Parameter	Units	Table 4-5.1. Upper Las Virgenes Creek Dry & Wet Weather Exceedance Summary									
			Upper Las Virgenes Creek TS25 2012-13Dry					Upper Las Virgenes Creek TS25 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Metals	Dissolved Aluminum	ug/L		75.5(25-126)	2	0	1		68.95(8.62-1200)	6	0	6
Metals	Dissolved Antimony	ug/L		0.9135(0.587-1.24)	2	0	2		0.664(0.464-1.16)	6	0	6
Metals-CMCCCC	Dissolved Arsenic	ug/L	340	3.065(2.7-3.43)	2	0	2	340	1.62(0-4.53)	6	0	5
Metals	Dissolved Barium	ug/L		27.1(21.1-33.1)	2	0	2		20.05(18.3-64.4)	6	0	6
Metals	Dissolved Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.03175(0-0.05)	6	0	0
Metals-CMCCCC	Dissolved Cadmium	ug/L	19.1-19.1	0.4935(0-0.987)	2	0	1	8.5-19.1	0.49(0-3.14)	6	0	5
Metals-CMCCCC	Dissolved Chromium	ug/L	1707.9-1707.9	1.2(1.01-1.39)	2	0	2	928.2-1707.9	1.895(0.839-3.62)	6	0	6
Metals-CMCCCC	Dissolved Chromium +6	ug/L	392.8-392.8	0.125(0.125-0.125)	2	0	0	186.6-392.8	0.23(0-1.1)	6	0	3
Metals-CMCCCC	Dissolved Copper	ug/L	49.6-49.6	15.9(6.5-25.3)	2	0	2	24.6-49.6	8.01(5.2-25.8)	6	0	6
Metals	Dissolved Iron	ug/L		103.5(25-182)	2	0	1		105.65(19.6-1490)	6	0	6
Metals-CMCCCC	Dissolved Lead	ug/L	280.9-280.9	1.835(0.1-3.57)	2	0	1	128.9-280.9	0.351(0.0436-5.05)	6	0	6
Metals	Dissolved Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.036325(0.02265-0.05)	6	0	0
Metals-CMCCCC	Dissolved Nickel	ug/L	1512.9-1512.9	20.5(18.8-22.2)	2	0	2	805.9-1512.9	7.37(4.14-34.1)	6	0	6
Metals	Dissolved Selenium	ug/L		26.9(25-28.8)	2	0	2		2.7545(0.184-16.2)	6	0	6
Metals-CMCCCC	Dissolved Silver	ug/L	37.4-37.4	0.05(0.05-0.05)	2	0	0	10.4-37.4	0.05(0-0.117)	6	0	2
Metals	Dissolved Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.027175(0.00435-0.05)	6	0	0
Metals-CMCCCC	Dissolved Zinc	ug/L	379.3-379.3	189.25(11.5-367)	2	0	2	201.9-379.3	51.3(8.45-151)	6	0	6
Metals	Aluminum	ug/L		186(25-347)	2	0	1		933.5(490-17900)	6	0	6
Metals	Antimony	ug/L		1.3545(0.929-1.78)	2	0	2		0.9615(0.631-2.65)	6	0	6
Metals	Arsenic	ug/L		4.265(3.99-4.54)	2	0	2		2.28(2.01-7.15)	6	0	6
Metals	Barium	ug/L		37.6(29.5-45.7)	2	0	2		35.7(31.7-288)	6	0	6
Metals	Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.03175(0-0.05)	6	0	0
Metals	Cadmium	ug/L		0.721(0.282-1.16)	2	0	2		0.7255(0.273-4.8)	6	0	6
Metals	Chromium	ug/L		2.59(2.15-3.03)	2	0	2		3.95(2.7-35.8)	6	0	6
Metals	Chromium +6	ug/L		0.125(0.125-0.125)	2	0	0		0.23(0-1.1)	6	0	3
Metals	Copper	ug/L		20.595(9.89-31.3)	2	0	2		21.95(14.1-75.3)	6	0	6
Metals	Iron	ug/L		302.5(0-605)	2	0	1		1400(669-24500)	6	0	6
Metals	Lead	ug/L		2.55(0-5.1)	2	0	1		2.16(1.18-13.2)	6	0	6
Metals	Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.036325(0.02265-0.05)	6	0	0
Metals	Nickel	ug/L		26.4(25.5-27.3)	2	0	2		12.6(7.19-62.7)	6	0	6
Metals	Selenium	ug/L		28.35(26.2-30.5)	2	0	2		3.1325(0.201-18.3)	6	0	6
Metals	Silver	ug/L		0.025(0-0.05)	2	0	0		0.0871(0.05-0.811)	6	0	4
Metals	Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.00435(0-0.05)	6	0	0
Metals	Zinc	ug/L		282.35(39.7-525)	2	0	2		95.55(67.5-463)	6	0	6
Organophosphate Pesticides	Atrazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.16785(0.0022-0.3335)	6	0	0
Organophosphate Pesticides	Chlorpyrifos	ug/L		0.01(0.01-0.01)	2	0	0		0.00565(0.0013-0.01)	6	0	0
Organophosphate Pesticides	Cyanazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.167625(0.00175-0.3335)	6	0	0
Organophosphate Pesticides	Diazinon	ug/L		0.0015(0.0015-0.0015)	2	0	0		0.0014(0.0013-0.0015)	6	0	0
Organophosphate Pesticides	Malathion	ug/L		0.165(0.165-0.165)	2	0	0		0.083875(0.00275-0.165)	6	0	0
Organophosphate Pesticides	Prometryn	ug/L		0.335(0.335-0.335)	2	0	0		0.168475(0.00195-0.335)	6	0	0
Organophosphate Pesticides	Simazine	ug/L		0.335(0.335-0.335)	2	0	0		0.168625(0.00225-0.335)	6	0	0
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.031(0.0295-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.0305(0.0285-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.02875(0.025-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.0225(0.0125-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.02625(0.02-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.0275(0.0225-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.0295(0.0265-0.0325)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L		1.665(1.665-1.665)	1	0	0		0.895(0.125-1.665)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L		0.165(0.165-0.165)	1	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L		0.335(0.335-0.335)	1	0	0		0.2275(0.12-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L		0.5(0.5-0.5)	1	0	0		0.575(0.5-0.65)	6	0	0
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L		0.335(0.335-0.335)	1	0	0		0.225(0.115-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L		0.5(0.5-0.5)	1	0	0		0.315(0.13-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L		0.5(0.5-0.5)	1	0	0		0.31(0.12-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L		0.5(0.5-0.5)	1	0	0		0.29(0.08-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	18-18	0.335(0.335-0.335)	1	0	0	20.5-34.2	0.2825(0.23-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	Phenol	ug/L		0.165(0.165-0.165)	1	0	0		0.165(0.105-1.9)	6	0	1
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L		0.015(0.015-0.015)	2	0	0		0.023(0.015-0.023)	5	0	0

Group	Parameter	Units	Table 4-5.1. Upper Las Virgenes Creek Dry & Wet Weather Exceedance Summary									
			Upper Las Virgenes Creek TS25 2012-13Dry					Upper Las Virgenes Creek TS25 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L		0.165(0.165-0.165)	1	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L		0.835(0.835-0.835)	1	0	0		0.535(0.235-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L		0.25(0.25-0.25)	1	0	0		0.1225(0.08-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L		0.165(0.165-0.165)	1	0	0		0.1275(0.09-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L		0.25(0.25-0.25)	1	0	0		0.1175(0.07-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L		0.25(0.25-0.25)	1	0	0		0.12(0.075-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L		0.835(0.835-0.835)	1	0	0		0.475(0.115-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L		0.835(0.835-0.835)	1	0	0		0.4775(0.12-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L		0.165(0.165-0.165)	2	0	0		0.255(0.165-0.255)	5	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L		1.665(1.665-1.665)	1	0	0		0.9025(0.14-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L		0.835(0.835-0.835)	1	0	0		0.4825(0.13-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L		0.5(0.5-0.5)	1	0	0		0.6(0.5-0.7)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L		0.835(0.835-0.835)	1	0	0		0.485(0.135-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L		0.835(0.835-0.835)	1	0	0		0.485(0.135-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L		0.165(0.165-0.165)	1	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L		0.335(0.335-0.335)	1	0	0		0.24(0.145-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L		0.335(0.335-0.335)	1	0	0		0.2425(0.15-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L		0.835(0.835-0.835)	1	0	0		0.58(0.325-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L		0.335(0.335-0.335)	1	0	0		0.2275(0.12-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L		0.335(0.335-0.335)	1	0	0		0.2475(0.16-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L		1.665(1.665-1.665)	1	0	0		0.89(0.115-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L		0.835(0.835-0.835)	1	0	0		0.48(0.125-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L		0.835(0.835-0.835)	1	0	0		0.48(0.125-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L		0.165(0.165-0.165)	1	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L		0.335(0.335-0.335)	1	0	0		0.2475(0.16-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexl) phthalate	ug/L		0.835(0.835-0.835)	1	0	0		0.835(0-2.7)	6	0	1
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L		1.665(1.665-1.665)	1	0	0		0.895(0-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L		0.835(0.835-0.835)	1	0	0		0.4875(0.14-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L		0.0165(0.0165-0.0165)	1	0	0		0.013(0.0095-0.0165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L		0.335(0.335-0.335)	1	0	0		0.2375(0-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L		0.335(0.335-0.335)	1	0	0		0.2325(0.13-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L		0.0085(0.0085-0.0085)	1	0	0		0.0085(0-0.068)	6	0	1
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L		0.0165(0.0165-0.0165)	1	0	0		0.012(0.0075-0.0165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L		0.835(0.835-0.835)	1	0	0		0.59(0.345-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L		0.165(0.165-0.165)	1	0	0		0.16(0.155-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L		0.165(0.165-0.165)	1	0	0		0.155(0.145-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L		0.165(0.165-0.165)	1	0	0		0.1575(0.15-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L		0.0085(0.0085-0.0085)	1	0	0		0.01(0.0085-0.0115)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L		0.165(0.165-0.165)	1	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L		0.835(0.835-0.835)	1	0	0		0.4775(0.12-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L		0.835(0.835-0.835)	1	0	0		0.4975(0.16-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L		0.165(0.165-0.165)	1	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L		0.0335(0.0335-0.0335)	1	0	0		0.01675(0-0.0335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L		0.165(0.165-0.165)	1	0	0		0.1575(0.15-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L		0.0085(0.0085-0.0085)	1	0	0		0.0085(0-0.11)	6	0	1
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L		0.0085(0.0085-0.0085)	1	0	0		0.0085(0-0.053)	6	0	1
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L		1.665(1.665-1.665)	1	0	0		0.905(0-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L		1.665(1.665-1.665)	1	0	0		0.895(0.125-1.665)	6	0	0

WQO=Water Quality Objective

Hardness based CTR calculations were based on a minimum of the sample hardness or 400 mg/L (as per the CTR)

*Hardness was not analyzed for 2012-13Event04 due to limited sample quantity. Therefore, WQO could not be

Group	Parameter	Units	Table 4-5.2. Cheseboro Canyon Dry & Wet Weather Exceedance Summary									
			Cheseboro Canyon TS26 2012-13Dry					Cheseboro Canyon TS26 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Bacteria	E. coli	MPN/100mL	235	1248.5(387-2110)	2	**2**	2	235	2200(272-5400)	5	**5**	5
Bacteria	Fecal Coliform	MPN/100mL		2300(2200-2400)	2	0	2		2200(800-5400)	5	0	5
Bacteria	Fecal Enterococcus	MPN/100mL		785(170-1400)	2	0	2		24000(500-24000)	5	0	5
Bacteria	Fecal Streptococcus	MPN/100mL		4000(3000-5000)	2	0	2		24000(500-24000)	5	0	5
Bacteria	Total Coliform	MPN/100mL		92000(24000-160000)	2	0	2		54000(9200-90000)	5	0	5
Chlorinated Pesticides	4-4'-DDD	ug/L		0.0055(0.0055-0.0055)	2	0	0		0.0029025(0-0.0055)	6	0	0
Chlorinated Pesticides	4-4'-DDE	ug/L		0.002(0.002-0.002)	2	0	0		0.0012225(0.000445-0.002)	6	0	0
Chlorinated Pesticides	4-4'-DDT	ug/L	1.1	0.005(0.005-0.005)	2	0	0	1.1	0.0026475(0.000295-0.005)	6	0	0
Chlorinated Pesticides	Aldrin	ug/L	3	0.002(0.002-0.002)	2	0	0	3	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Dieldrin	ug/L	0.24	0.001(0.001-0.001)	2	0	0	0.24	0.0006625(0.000325-0.001)	6	0	0
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	0.22	0.005(0.005-0.005)	2	0	0	0.22	0.0225(0.005-0.075)	6	0	3
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	0.22	0.002(0.002-0.002)	2	0	0	0.22	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Endosulfan sulfate	ug/L		0.025(0.025-0.025)	2	0	0		0.01265(0.0003-0.025)	6	0	0
Chlorinated Pesticides	Endrin	ug/L	0.086	0.003(0.003-0.003)	2	0	0	0.086	0.001655(0.00031-0.003)	6	0	0
Chlorinated Pesticides	Endrin aldehyde	ug/L		0.005(0.005-0.005)	2	0	0		0.00266(0.00032-0.005)	6	0	0
Chlorinated Pesticides	Heptachlor	ug/L	0.52	0.0015(0.0015-0.0015)	2	0	0	0.52	0.0015(0.00036-0.014)	6	0	1
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	0.52	0.005(0.005-0.005)	2	0	0	0.52	0.00267(0.00034-0.005)	6	0	0
Chlorinated Pesticides	Methoxychlor	ug/L		0.25(0.25-0.25)	2	0	0		0.1252425(0.000485-0.25)	6	0	0
Chlorinated Pesticides	Toxaphene	ug/L	0.73	0.12(0.12-0.12)	2	0	0	0.73	0.0623(0.0046-0.12)	6	0	0
Chlorinated Pesticides	alpha-BHC	ug/L		0.005(0.005-0.005)	2	0	0		0.0026675(0.000335-0.005)	6	0	0
Chlorinated Pesticides	alpha-chlordane	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.008405(0.00031-0.0165)	6	0	0
Chlorinated Pesticides	beta-BHC	ug/L		0.0025(0.0025-0.0025)	2	0	0		0.001625(0.00075-0.0025)	6	0	0
Chlorinated Pesticides	delta-BHC	ug/L		0.0025(0.0025-0.0025)	2	0	0		0.001415(0.00033-0.0025)	6	0	0
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	0.95	0.002(0.002-0.002)	2	0	0	0.95	0.0012325(0.000465-0.002)	6	0	0
Chlorinated Pesticides	gamma-chlordane	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.0084(0.0003-0.0165)	6	0	0
Conventionals	Cyanide	mg/L	0.022	0.0025(0.0025-0.0025)	2	0	0	0.022	0.0019(0.000345-0.0025)	5	0	1
Conventionals	Dissolved Oxygen	mg/L	5	11.8(11-12.6)	2	0	2	5	9.5(9.28-11.6)	5	0	5
Conventionals	Oil and Grease	mg/L		0.72(0.72-0.72)	2	0	0		1(0.72-1.9)	5	0	3
Conventionals	pH	pH units		7.77(7.67-7.87)	2	0	2		8.05(7.96-8.24)	6	0	6
General	Alkalinity as CaCO3	mg/L		250.5(226-275)	2	0	2		101.9(54-330)	6	0	6
General	Ammonia	mg/L	10.1-14.4	0.3935(0.218-0.569)	2	0	2	5.72-48.8	0.33(0.169-5.51)	7	0	7
General	BioChemical Oxygen Demand- Five-Day	mg/L		1.345(0.5-2.19)	2	0	1		5.005(2.38-10)	6	0	6
General	Chemical Oxygen Demand	mg/L		24(24-24)	2	0	2		46(0-196)	7	0	6
General	Chloride	mg/L	500	288(285-291)	2	0	2	500	43.5(19-191)	7	0	7
General	Dissolved Phosphorus	mg/L		0.0375(0.025-0.05)	2	0	1		0.13(0.058-0.31)	7	0	7
General	Fluoride	mg/L		0.395(0.33-0.46)	2	0	2		0.31(0.259-0.44)	7	0	7
General	Hardness as CaCO3	mg/L		1545(1460-1630)	2	0	2		310(130-1150)	6	0	6
General	Kjeldahl-N	mg/L		1.52(1.24-1.8)	2	0	2		1.4(0.32-13.4)	7	0	7
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L		0.165(0.165-0.165)	2	0	0		0.07(0.07-0.165)	5	0	0
General	Methylene Blue Active Substances (MBAS)	mg/L		0.37(0-0.74)	2	0	1		0.47(0-1.37)	6	0	5
General	NH3-N	mg/L		0.325(0.18-0.47)	2	0	2		0.235(0.14-4.55)	6	0	6
General	Nitrate (NO3)	mg/L	45	1.295(0-2.59)	2	0	1	45	3.04(2.7-4.9)	6	0	6
General	Nitrate-N	mg/L	10	0.2925(0-0.585)	2	0	1	10	0.684(0.612-1.1)	6	0	6
General	Nitrite-N	mg/L	1	0.005(0.005-0.005)	2	0	0	1	0.0025(0-0.005)	6	0	0
General	Phosphorus- Total (as P)	mg/L		0.0425(0.025-0.06)	2	0	1		0.19(0.14-2.9)	7	0	7
General	Specific Conductance	umhos/cm		3.465(3.28-3.65)	2	0	2		701(2.48-1100)	7	0	7
General	Sulfate	mg/L	500	1525(1450-1600)	2	**2**	2	500	270(95-1040)	7	**1**	7
General	Total Dissolved Solids	mg/L	2000	3125(2890-3360)	2	**2**	2	2000	548(230-2140)	6	**1**	6
General	Total Organic Carbon	mg/L		12.2(11.9-12.5)	2	0	2		14(7.8-53.3)	7	0	7
General	Total Petroleum Hydrocarbons	mg/L		0.75(0.75-0.75)	2	0	0		0.475(0.475-0.75)	5	0	0
General	Total Suspended Solids	mg/L		6.5(2-11)	2	0	2		39(3-2770)	6	0	6
General	Turbidity	NTU		0.6(0.59-0.61)	2	0	2		14.8(1.02-56)	6	0	6
General	Volatile Suspended Solids	mg/L		7.5(4-11)	2	0	2		21.5(3-393)	6	0	6
Herbicides	2-4-5-TP-SILVEX	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0.0335-0.0335)	7	0	0
Herbicides	2-4-D	ug/L		0.00875(0.0075-0.01)	2	0	0		0.0075(0.0075-0.01)	7	0	0
Herbicides	Glyphosate	ug/L		2.5(2.5-2.5)	2	0	0		8.5(0.9-23)	7	0	4

Group	Parameter	Units	Table 4-5.2. Cheseboro Canyon Dry & Wet Weather Exceedance Summary									
			Cheseboro Canyon TS26 2012-13Dry					Cheseboro Canyon TS26 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Metals	Dissolved Aluminum	ug/L		25(25-25)	2	0	0		69.8(23.4-4250)	7	0	6
Metals	Dissolved Antimony	ug/L		0.5795(0.574-0.585)	2	0	2		1.17(0.859-2.68)	7	0	7
Metals-CMCCCC	Dissolved Arsenic	ug/L	340	1.425(1.38-1.47)	2	0	2	340	1.07(0-2.8)	7	0	5
Metals	Dissolved Barium	ug/L		18.4(14.6-22.2)	2	0	2		21.9(17.2-190)	7	0	7
Metals	Dissolved Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.03175(0-0.535)	7	0	1
Metals-CMCCCC	Dissolved Cadmium	ug/L	19.1-19.1	0.22(0.05-0.39)	2	0	1	5.7-19.1	0.368(0-13)	7	0	6
Metals-CMCCCC	Dissolved Chromium	ug/L	1707.9-1707.9	0.955(0.25-1.66)	2	0	1	680.3-1707.9	1.76(0.963-10.3)	7	0	7
Metals-CMCCCC	Dissolved Chromium +6	ug/L	392.8-392.8	0.125(0.125-0.125)	2	0	0	127.7-392.8	0.28(0-1.4)	6	0	3
Metals-CMCCCC	Dissolved Copper	ug/L	49.6-49.6	5.535(4.47-6.6)	2	0	2	17.2-49.6	8.23(5.66-58.3)	7	0	7
Metals	Dissolved Iron	ug/L		25(25-25)	2	0	0		44.8(25-6780)	7	0	6
Metals-CMCCCC	Dissolved Lead	ug/L	280.9-280.9	0.58(0-1.16)	2	0	1	85.8-280.9	0.515(0.1-92.5)	7	0	6
Metals	Dissolved Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0.02265-0.05)	7	0	0
Metals-CMCCCC	Dissolved Nickel	ug/L	1512.9-1512.9	10.24(9.68-10.8)	2	0	2	584.6-1512.9	5.35(2.08-29.1)	7	0	7
Metals	Dissolved Selenium	ug/L		11.525(9.85-13.2)	2	0	2		0.275(0-10.8)	7	0	6
Metals-CMCCCC	Dissolved Silver	ug/L	37.4-37.4	0.05(0.05-0.05)	2	0	0	5.4-37.4	0.05(0-0.0828)	7	0	1
Metals	Dissolved Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0.00435-0.05)	7	0	0
Metals-CMCCCC	Dissolved Zinc	ug/L	379.3-379.3	20.85(16.2-25.5)	2	0	2	146.4-379.3	40.3(18.5-1150)	7	0	7
Metals	Aluminum	ug/L		12.5(0-25)	2	0	0		820(0-34000)	7	0	6
Metals	Antimony	ug/L		0.7845(0.764-0.805)	2	0	2		1.34(0.935-8.61)	7	0	7
Metals	Arsenic	ug/L		2.755(2.5-3.01)	2	0	2		1.73(1.27-6.95)	7	0	7
Metals	Barium	ug/L		24.6(20.5-28.7)	2	0	2		39(27.8-471)	7	0	7
Metals	Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0-0.875)	7	0	2
Metals	Cadmium	ug/L		0.3715(0.324-0.419)	2	0	2		0.639(0-18.9)	7	0	6
Metals	Chromium	ug/L		2.24(1.56-2.92)	2	0	2		4.63(1.79-45.7)	7	0	7
Metals	Chromium +6	ug/L		0.125(0.125-0.125)	2	0	0		0.28(0-1.4)	6	0	3
Metals	Copper	ug/L		9.315(7.83-10.8)	2	0	2		24.3(9.47-211)	7	0	7
Metals	Iron	ug/L		51(0-102)	2	0	1		969(131-47800)	7	0	7
Metals	Lead	ug/L		0.92(0-1.84)	2	0	1		8.88(0-157)	7	0	6
Metals	Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0.02265-0.05)	7	0	0
Metals	Nickel	ug/L		15.3(14.8-15.8)	2	0	2		7.61(3.13-53.4)	7	0	7
Metals	Selenium	ug/L		12.45(11-13.9)	2	0	2		2.09(0.115-11.8)	7	0	7
Metals	Silver	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0-0.777)	7	0	3
Metals	Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0-1.26)	7	0	2
Metals	Zinc	ug/L		62.1(34.2-90)	2	0	2		103(36.8-1790)	7	0	7
Organophosphate Pesticides	Atrazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.16785(0.0022-0.3335)	6	0	0
Organophosphate Pesticides	Chlorpyrifos	ug/L		0.01(0.01-0.01)	2	0	0		0.00565(0.0013-0.01)	6	0	0
Organophosphate Pesticides	Cyanazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.167625(0.00175-0.3335)	6	0	0
Organophosphate Pesticides	Diazinon	ug/L		0.0015(0.0015-0.0015)	2	0	0		0.0014(0.0013-0.0015)	6	0	0
Organophosphate Pesticides	Malathion	ug/L		0.165(0.165-0.165)	2	0	0		0.083875(0.00275-0.165)	6	0	0
Organophosphate Pesticides	Prometryn	ug/L		0.335(0.335-0.335)	2	0	0		0.168475(0.00195-0.335)	6	0	0
Organophosphate Pesticides	Simazine	ug/L		0.335(0.335-0.335)	2	0	0		0.168625(0-0.335)	6	0	0
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.031(0.0295-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0305(0.0285-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.02875(0.025-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0225(0.0125-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.02625(0.02-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0275(0.0225-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0295(0.0265-0.0325)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0.125-1.665)	7	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.125-0.165)	7	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.12-0.335)	7	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.5-0.65)	7	0	0
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.115-0.335)	7	0	0
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.13-0.5)	7	0	0
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.12-0.5)	7	0	0
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.08-0.5)	7	0	0
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	17.1-20.9	0.335(0.335-0.335)	2	0	0	22.9-30.3	0.335(0.23-0.335)	7	0	0
Semivolatile Organic Compounds (Acids)	Phenol	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.105-1.9)	7	0	1
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L		0.015(0.015-0.015)	2	0	0		0.023(0.015-0.023)	5	0	0

Group	Parameter	Units	Table 4-5.2. Cheseboro Canyon Dry & Wet Weather Exceedance Summary									
			Cheseboro Canyon TS26 2012-13Dry					Cheseboro Canyon TS26 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.14-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.235-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.165(0.08-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.09-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.165(0.07-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.165(0.075-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.115-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.12-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L		0.165(0.165-0.165)	2	0	0		0.255(0.165-0.255)	5	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0.14-1.665)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.13-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.5-0.7)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.135-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.135-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.14-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.145-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.15-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.325-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.12-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.16-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0.115-1.665)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.125-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.125-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.125-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.16-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexl) phthalate	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0-4.4)	7	0	1
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0-1.665)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.14-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.0165(0.0095-0.0165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.13-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0-0.0085)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.0165(0-0.0165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.345-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.155-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.145-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.15-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0.0085-0.0115)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.125-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.12-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.16-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.14-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0-0.066)	7	0	2
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.15-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0-0.0085)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0-0.14)	7	0	1
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0-1.665)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0-1.665)	7	0	0

WQO=Water Quality Objective

Hardness based CTR calculations were based on a minimum of the sample hardness or 400 mg/L (as per the CTR)

*Hardness was not analyzed for 2012-13Event04 due to limited sample quantity. Therefore, WQO could not be

Group	Parameter	Units	Table 4-5.3. Lower Lindero Creek Dry & Wet Weather Exceedance Summary									
			Lower Lindero Creek TS27 2012-13Dry					Lower Lindero Creek TS7 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Bacteria	E. coli	MPN/100mL	235	3626.5(683-6570)	2	2	2	235	5400(1134-9200)	5	5	5
Bacteria	Fecal Coliform	MPN/100mL		8400(800-16000)	2	0	2		9200(2400-24000)	5	0	5
Bacteria	Fecal Enterococcus	MPN/100mL		1350(500-2200)	2	0	2		3000(1700-50000)	5	0	5
Bacteria	Fecal Streptococcus	MPN/100mL		3600(2200-5000)	2	0	2		16000(1700-50000)	5	0	5
Bacteria	Total Coliform	MPN/100mL		36000(22000-50000)	2	0	2		160000(24000-160000)	5	0	5
Chlorinated Pesticides	4-4'-DDD	ug/L		0.0055(0.0055-0.0055)	1	0	0		0.0029025(0.000305-0.0055)	6	0	0
Chlorinated Pesticides	4-4'-DDE	ug/L		0.002(0.002-0.002)	1	0	0		0.0012225(0.000445-0.002)	6	0	0
Chlorinated Pesticides	4-4'-DDT	ug/L	1.1	0.005(0.005-0.005)	1	0	0	1.1	0.0026475(0.000295-0.005)	6	0	0
Chlorinated Pesticides	Aldrin	ug/L	3	0.002(0.002-0.002)	1	0	0	3	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Dieldrin	ug/L	0.24	0.001(0.001-0.001)	1	0	0	0.24	0.0006625(0.000325-0.001)	6	0	0
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	0.22	0.005(0.005-0.005)	1	0	0	0.22	0.014(0.005-0.036)	6	0	3
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	0.22	0.002(0.002-0.002)	1	0	0	0.22	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Endosulfan sulfate	ug/L		0.025(0.025-0.025)	1	0	0		0.01265(0.0003-0.025)	6	0	0
Chlorinated Pesticides	Endrin	ug/L	0.086	0.003(0.003-0.003)	1	0	0	0.086	0.001655(0.00031-0.003)	6	0	0
Chlorinated Pesticides	Endrin aldehyde	ug/L		0.005(0.005-0.005)	1	0	0		0.00266(0.00032-0.005)	6	0	0
Chlorinated Pesticides	Heptachlor	ug/L	0.52	0.0015(0.0015-0.0015)	1	0	0	0.52	0.00093(0.00036-0.0015)	6	0	0
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	0.52	0.005(0.005-0.005)	1	0	0	0.52	0.00267(0.00034-0.005)	6	0	0
Chlorinated Pesticides	Methoxychlor	ug/L		0.25(0.25-0.25)	1	0	0		0.1252425(0.000485-0.25)	6	0	0
Chlorinated Pesticides	Toxaphene	ug/L	0.73	0.12(0.12-0.12)	1	0	0	0.73	0.0623(0.0046-0.12)	6	0	0
Chlorinated Pesticides	alpha-BHC	ug/L		0.005(0.005-0.005)	1	0	0		0.0026675(0.000335-0.005)	6	0	0
Chlorinated Pesticides	alpha-chlordane	ug/L		0.0165(0.0165-0.0165)	1	0	0		0.008405(0.00031-0.0165)	6	0	0
Chlorinated Pesticides	beta-BHC	ug/L		0.0025(0.0025-0.0025)	1	0	0		0.001625(0.00075-0.0025)	6	0	0
Chlorinated Pesticides	delta-BHC	ug/L		0.0025(0.0025-0.0025)	1	0	0		0.001415(0.00033-0.0025)	6	0	0
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	0.95	0.002(0.002-0.002)	1	0	0	0.95	0.0012325(0.000465-0.002)	6	0	0
Chlorinated Pesticides	gamma-chlordane	ug/L		0.0165(0.0165-0.0165)	1	0	0		0.0084(0.0003-0.0165)	6	0	0
Conventionals	Cyanide	mg/L	0.022	0.0025(0.0025-0.0025)	2	0	0	0.022	0.000345(0.000345-0.0025)	5	0	0
Conventionals	Dissolved Oxygen	mg/L	5	10.975(9.45-12.5)	2	0	2	5	9.49(9.14-12)	5	0	5
Conventionals	Oil and Grease	mg/L		0.72(0.72-0.72)	2	0	0		0.72(0.4-1.1)	5	0	1
Conventionals	pH	pH units		7.635(7.57-7.7)	2	0	2		7.88(7.75-8.17)	6	0	6
General	Alkalinity as CaCO3	mg/L		323(323-323)	1	0	1		159(122-275)	6	0	6
General	Ammonia	mg/L	14.4-14.4	0.315(0.315-0.315)	1	0	1	5.72-12.1	0.285(0.16-0.593)	6	0	6
General	BioChemical Oxygen Demand- Five-Day	mg/L		0.5(0.5-0.5)	2	0	0		4.545(2.67-8.4)	6	0	6
General	Chemical Oxygen Demand	mg/L		24.5(21-28)	2	0	2		40.5(21-99)	6	0	6
General	Chloride	mg/L	500	216.5(206-227)	2	0	2	500	100(82-162)	6	0	6
General	Dissolved Phosphorus	mg/L		0.21(0.21-0.21)	1	0	1		0.145(0.077-0.33)	6	0	6
General	Fluoride	mg/L		0.597(0.587-0.607)	2	0	2		0.3955(0.29-0.519)	6	0	6
General	Hardness as CaCO3	mg/L		967.5(935-1000)	2	0	2		465(360-720)	6	0	6
General	Kjeldahl-N	mg/L		2.48(2.48-2.48)	1	0	1		1.52(0.96-3)	6	0	6
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L		0.165(0.165-0.165)	2	0	0		0.07(0.07-0.165)	5	0	0
General	Methylene Blue Active Substances (MBAS)	mg/L		0(0-0)	2	0	0		0.14(0-0.76)	6	0	4
General	NH3-N	mg/L		0.26(0.26-0.26)	1	0	1		0.225(0.13-0.49)	6	0	6
General	Nitrate (NO3)	mg/L	45	4.51(4.39-4.63)	2	0	2	45	1.355(0-3.38)	6	0	5
General	Nitrate-N	mg/L	10	1.015(0.99-1.04)	2	0	2	10	0.26(0-0.763)	6	0	4
General	Nitrite-N	mg/L	1	0.005(0.005-0.005)	2	0	0	1	0.005(0-0.008)	6	0	0
General	Phosphorus- Total (as P)	mg/L		0.28(0.28-0.28)	1	0	1		0.295(0.25-0.41)	6	0	6
General	Specific Conductance	umhos/cm		2.45(2.36-2.54)	2	0	2		1145(960-1850)	6	0	6
General	Sulfate	mg/L	500	800(738-862)	2	2	2	500	390(300-616)	6	2	6
General	Total Dissolved Solids	mg/L	2000	1700(1700-1700)	1	0	1	2000	884.5(610-1460)	6	0	6
General	Total Organic Carbon	mg/L		10.54(7.98-13.1)	2	0	2		10.7(3.4-21.6)	6	0	6
General	Total Petroleum Hydrocarbons	mg/L		0.75(0.75-0.75)	2	0	0		0.475(0.475-0.75)	5	0	0
General	Total Suspended Solids	mg/L		12(12-12)	1	0	1		133.5(31-264)	6	0	6
General	Turbidity	NTU		2.37(2.24-2.5)	2	0	2		18.6(6.09-43)	6	0	6
General	Volatile Suspended Solids	mg/L		10(10-10)	1	0	1		41(24-93)	6	0	6
Herbicides	2-4-5-TP-SILVEX	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0.0335-0.0335)	6	0	0
Herbicides	2-4-D	ug/L		0.00875(0.0075-0.01)	2	0	0		0.00875(0.0075-0.01)	6	0	0
Herbicides	Glyphosate	ug/L		2.5(2.5-2.5)	2	0	0		2.5(0.9-6.7)	6	0	1

Group	Parameter	Units	Table 4-5.3. Lower Lindero Creek Dry & Wet Weather Exceedance Summary									
			Lower Lindero Creek TS27 2012-13Dry					Lower Lindero Creek TS7 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Metals	Dissolved Aluminum	ug/L		12.5(0-25)	2	0	0		9.315(0-1140)	6	0	5
Metals	Dissolved Antimony	ug/L		0(0-0)	2	0	0		0.8825(0.591-1.56)	6	0	6
Metals-CMCCCC	Dissolved Arsenic	ug/L	340-340	0.59(0.1-1.08)	2	0	1	340	0.8865(0-1.92)	6	0	4
Metals	Dissolved Barium	ug/L		29.15(26.7-31.6)	2	0	2		27.2(18.5-55.1)	6	0	6
Metals	Dissolved Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.03175(0-0.05)	6	0	0
Metals-CMCCCC	Dissolved Cadmium	ug/L	19.1-19.1	1.0045(0.839-1.17)	2	0	2	17.1-19.1	0.687(0.365-8.78)	6	0	6
Metals-CMCCCC	Dissolved Chromium	ug/L	1707.9-1707.9	1.475(0.73-2.22)	2	0	2	1566.7-1707.9	1.119(0-4.04)	6	0	5
Metals-CMCCCC	Dissolved Chromium +6	ug/L	392.8-392.8	0.125(0.125-0.125)	2	0	0	353.5-392.8	0.125(0-0.26)	6	0	2
Metals-CMCCCC	Dissolved Copper	ug/L	49.6-49.6	6.305(5.85-6.76)	2	0	2	44.9-49.6	5.56(2.71-79.8)	6	**1**	6
Metals	Dissolved Iron	ug/L		136(100-172)	2	0	2		112.8(13.1-1800)	6	0	6
Metals-CMCCCC	Dissolved Lead	ug/L	280.9-280.9	0(0-0)	2	0	0	252-280.9	0.018625(0-5.89)	6	0	3
Metals	Dissolved Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.036325(0.02265-0.05)	6	0	0
Metals-CMCCCC	Dissolved Nickel	ug/L	1512.9-1512.9	10.9(10.3-11.5)	2	0	2	1383.9-1512.9	6.135(2.69-21.5)	6	0	6
Metals	Dissolved Selenium	ug/L		3.485(3.3-3.67)	2	0	2		0.9405(0.332-3.09)	6	0	6
Metals-CMCCCC	Dissolved Silver	ug/L	37.4-37.4	0.05(0.05-0.05)	2	0	0	31.2-37.4	0.0511(0.05-0.08)	6	0	3
Metals	Dissolved Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.027175(0.00435-0.05)	6	0	0
Metals-CMCCCC	Dissolved Zinc	ug/L	379.3-379.3	23.5(13.8-33.2)	2	0	2	346.9-379.3	21.95(10-312)	6	0	6
Metals	Aluminum	ug/L		67(0-134)	2	0	1		737.5(251-6300)	6	0	6
Metals	Antimony	ug/L		0.5905(0.543-0.638)	2	0	2		1.29(0.719-4.14)	6	0	6
Metals	Arsenic	ug/L		1.775(1.7-1.85)	2	0	2		1.71(1.09-2.8)	6	0	6
Metals	Barium	ug/L		38.4(34.1-42.7)	2	0	2		44.35(26.2-113)	6	0	6
Metals	Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.03175(0-0.05)	6	0	0
Metals	Cadmium	ug/L		1.152(0.984-1.32)	2	0	2		1.495(0.652-11.7)	6	0	6
Metals	Chromium	ug/L		2.395(1.58-3.21)	2	0	2		2.93(1.31-14)	6	0	6
Metals	Chromium +6	ug/L		0.125(0.125-0.125)	2	0	0		0.125(0-0.26)	6	0	2
Metals	Copper	ug/L		9.87(9.87-9.87)	2	0	2		20.15(5.9-165)	6	0	6
Metals	Iron	ug/L		275(260-290)	2	0	2		1385(485-8650)	6	0	6
Metals	Lead	ug/L		0.4205(0-0.841)	2	0	1		1.89(0.746-9.73)	6	0	6
Metals	Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.036325(0.02265-0.05)	6	0	0
Metals	Nickel	ug/L		15.35(15.3-15.4)	2	0	2		10.63(4.2-29.3)	6	0	6
Metals	Selenium	ug/L		3.765(3.54-3.99)	2	0	2		1.204(0.466-3.16)	6	0	6
Metals	Silver	ug/L		0.05(0.05-0.05)	2	0	0		0.08385(0-0.676)	6	0	4
Metals	Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.00435(0-0.05)	6	0	0
Metals	Zinc	ug/L		61.3(41.2-81.4)	2	0	2		83.3(41.8-497)	6	0	6
Organophosphate Pesticides	Atrazine	ug/L		0.3335(0.3335-0.3335)	1	0	0		0.16785(0.0022-0.3335)	6	0	0
Organophosphate Pesticides	Chlorpyrifos	ug/L		0.01(0.01-0.01)	1	0	0		0.00565(0.0013-0.01)	6	0	0
Organophosphate Pesticides	Cyanazine	ug/L		0.3335(0.3335-0.3335)	1	0	0		0.167625(0.00175-0.3335)	6	0	0
Organophosphate Pesticides	Diazinon	ug/L		0.0015(0.0015-0.0015)	1	0	0		0.0014(0.0013-0.0015)	6	0	0
Organophosphate Pesticides	Malathion	ug/L		0.165(0.165-0.165)	1	0	0		0.083875(0.00275-0.165)	6	0	0
Organophosphate Pesticides	Prometryn	ug/L		0.335(0.335-0.335)	1	0	0		0.168475(0.00195-0.335)	6	0	0
Organophosphate Pesticides	Simazine	ug/L		0.335(0.335-0.335)	1	0	0		0.168625(0.00225-0.335)	6	0	0
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.031(0.0295-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.0305(0.0285-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.02875(0.025-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.0225(0.0125-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.02625(0.02-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.0275(0.0225-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L		0.0325(0.0325-0.0325)	1	0	0		0.0295(0.0265-0.0325)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L		1.665(1.665-1.665)	1	0	0		0.895(0.125-1.665)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L		0.165(0.165-0.165)	1	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L		0.335(0.335-0.335)	1	0	0		0.2275(0.12-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L		0.5(0.5-0.5)	1	0	0		0.575(0.5-0.65)	6	0	0
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L		0.335(0.335-0.335)	1	0	0		0.225(0.115-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L		0.5(0.5-0.5)	1	0	0		0.315(0.13-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L		0.5(0.5-0.5)	1	0	0		0.31(0.12-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L		0.5(0.5-0.5)	1	0	0		0.29(0.08-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	17.6-17.6	0.335(0.335-0.335)	1	0	0	18.5-28.3	0.2825(0.23-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	Phenol	ug/L		0.165(0.165-0.165)	1	0	0		0.165(0.105-1.5)	6	0	1
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L		0.015(0.015-0.015)	2	0	0		0.023(0.015-0.023)	5	0	0

Group	Parameter	Units	Table 4-5.3. Lower Lindero Creek Dry & Wet Weather Exceedance Summary									
			Lower Lindero Creek TS27 2012-13Dry					Lower Lindero Creek TS7 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L		0.165(0.165-0.165)	1	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L		0.835(0.835-0.835)	1	0	0		0.535(0.235-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L		0.25(0.25-0.25)	1	0	0		0.1225(0.08-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L		0.165(0.165-0.165)	1	0	0		0.1275(0.09-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L		0.25(0.25-0.25)	1	0	0		0.1175(0.07-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L		0.25(0.25-0.25)	1	0	0		0.12(0.075-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L		0.835(0.835-0.835)	1	0	0		0.475(0.115-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L		0.835(0.835-0.835)	1	0	0		0.4775(0.12-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L		0.165(0.165-0.165)	2	0	0		0.255(0.165-0.255)	5	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L		1.665(1.665-1.665)	1	0	0		0.9025(0.14-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L		0.835(0.835-0.835)	1	0	0		0.4825(0.13-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L		0.5(0.5-0.5)	1	0	0		0.6(0.5-0.7)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L		0.835(0.835-0.835)	1	0	0		0.485(0.135-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L		0.835(0.835-0.835)	1	0	0		0.485(0.135-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L		0.165(0.165-0.165)	1	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L		0.335(0.335-0.335)	1	0	0		0.24(0.145-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L		0.335(0.335-0.335)	1	0	0		0.2425(0.15-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L		0.835(0.835-0.835)	1	0	0		0.58(0.325-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L		0.335(0.335-0.335)	1	0	0		0.2275(0.12-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L		0.335(0.335-0.335)	1	0	0		0.2475(0.16-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L		1.665(1.665-1.665)	1	0	0		0.89(0.115-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L		0.835(0.835-0.835)	1	0	0		0.48(0.125-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L		0.835(0.835-0.835)	1	0	0		0.48(0.125-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L		0.165(0.165-0.165)	1	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L		0.335(0.335-0.335)	1	0	0		0.2475(0.16-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexl) phthalate	ug/L		0.835(0.835-0.835)	1	0	0		0.4175(0-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L		1.665(1.665-1.665)	1	0	0		0.895(0.125-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L		0.835(0.835-0.835)	1	0	0		0.4875(0.14-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L		0.0165(0.0165-0.0165)	1	0	0		0.013(0.0095-0.0165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L		0.335(0.335-0.335)	1	0	0		0.2375(0.14-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L		0.335(0.335-0.335)	1	0	0		0.2325(0.13-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L		0.0085(0.0085-0.0085)	1	0	0		0.00665(0.0048-0.0085)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L		0.0165(0.0165-0.0165)	1	0	0		0.012(0.0075-0.0165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L		0.835(0.835-0.835)	1	0	0		0.59(0.345-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L		0.165(0.165-0.165)	1	0	0		0.16(0.155-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L		0.165(0.165-0.165)	1	0	0		0.155(0.145-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L		0.165(0.165-0.165)	1	0	0		0.1575(0.15-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L		0.0085(0.0085-0.0085)	1	0	0		0.01(0.0085-0.0115)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L		0.165(0.165-0.165)	1	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L		0.835(0.835-0.835)	1	0	0		0.4775(0.12-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L		0.835(0.835-0.835)	1	0	0		0.4975(0.16-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L		0.165(0.165-0.165)	1	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L		0.0335(0.0335-0.0335)	1	0	0		0.0189(0-0.0335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L		0.165(0.165-0.165)	1	0	0		0.1575(0.15-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L		0.0085(0.0085-0.0085)	1	0	0		0.00725(0-0.0085)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L		0.0085(0.0085-0.0085)	1	0	0		0.0075(0-0.0085)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L		1.665(1.665-1.665)	1	0	0		0.905(0-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L		1.665(1.665-1.665)	1	0	0		0.895(0.125-1.665)	6	0	0

WQO=Water Quality Objective

Hardness based CTR calculations were based on a minimum of the sample hardness or 400 mg/L (as per the CTR)

*Hardness was not analyzed for 2012-13Event04 due to limited sample quantity. Therefore, WQO could not be

Group	Parameter	Units	Table 4-5.4. Medea Creek Dry & Wet Weather Exceedance Summary									
			Medea Creek TS28 2012-13Dry					Medea Creek TS28 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Bacteria	E. coli	MPN/100mL	235	384(189-579)	2	1	2	235	10700(2014-35000)	5	5	5
Bacteria	Fecal Coliform	MPN/100mL		515(230-800)	2	0	2		24000(5000-35000)	5	0	5
Bacteria	Fecal Enterococcus	MPN/100mL		180(130-230)	2	0	2		16000(5400-35000)	5	0	5
Bacteria	Fecal Streptococcus	MPN/100mL		315(130-500)	2	0	2		16000(9000-35000)	5	0	5
Bacteria	Total Coliform	MPN/100mL		13200(2400-24000)	2	0	2		35000(24000-90000)	5	0	5
Chlorinated Pesticides	4-4'-DDD	ug/L		0.0055(0.0055-0.0055)	2	0	0		0.0029025(0.000305-0.0055)	6	0	0
Chlorinated Pesticides	4-4'-DDE	ug/L		0.002(0.002-0.002)	2	0	0		0.0012225(0.000445-0.002)	6	0	0
Chlorinated Pesticides	4-4'-DDT	ug/L	1.1	0.005(0.005-0.005)	2	0	0	1.1	0.0026475(0.000295-0.005)	6	0	0
Chlorinated Pesticides	Aldrin	ug/L	3	0.002(0.002-0.002)	2	0	0	3	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Dieldrin	ug/L	0.24	0.001(0.001-0.001)	2	0	0	0.24	0.0006625(0.000325-0.001)	6	0	0
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	0.22	0.005(0.005-0.005)	2	0	0	0.22	0.0135(0.005-0.06)	6	0	3
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	0.22	0.002(0.002-0.002)	2	0	0	0.22	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Endosulfan sulfate	ug/L		0.025(0.025-0.025)	2	0	0		0.01265(0-0.025)	6	0	0
Chlorinated Pesticides	Endrin	ug/L	0.086	0.003(0.003-0.003)	2	0	0	0.086	0.001655(0-0.003)	6	0	0
Chlorinated Pesticides	Endrin aldehyde	ug/L		0.005(0.005-0.005)	2	0	0		0.00266(0.00032-0.005)	6	0	0
Chlorinated Pesticides	Heptachlor	ug/L	0.52	0.0015(0.0015-0.0015)	2	0	0	0.52	0.00093(0.00036-0.0015)	6	0	0
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	0.52	0.005(0.005-0.005)	2	0	0	0.52	0.00267(0.00034-0.005)	6	0	0
Chlorinated Pesticides	Methoxychlor	ug/L		0.25(0.25-0.25)	2	0	0		0.1252425(0.000485-0.25)	6	0	0
Chlorinated Pesticides	Toxaphene	ug/L	0.73	0.12(0.12-0.12)	2	0	0	0.73	0.0623(0.0046-0.12)	6	0	0
Chlorinated Pesticides	alpha-BHC	ug/L		0.005(0.005-0.005)	2	0	0		0.0026675(0.000335-0.005)	6	0	0
Chlorinated Pesticides	alpha-chlordane	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.008405(0.00031-0.0165)	6	0	0
Chlorinated Pesticides	beta-BHC	ug/L		0.0025(0.0025-0.0025)	2	0	0		0.001625(0.00075-0.0025)	6	0	0
Chlorinated Pesticides	delta-BHC	ug/L		0.0025(0.0025-0.0025)	2	0	0		0.001415(0.00033-0.0025)	6	0	0
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	0.95	0.002(0.002-0.002)	2	0	0	0.95	0.0012325(0.000465-0.002)	6	0	0
Chlorinated Pesticides	gamma-chlordane	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.0084(0.0003-0.0165)	6	0	0
Conventionals	Cyanide	mg/L	0.022	0.00575(0.0025-0.009)	2	0	1	0.022	0.000345(0.000345-0.0025)	5	0	0
Conventionals	Dissolved Oxygen	mg/L	5	19.45(17.4-21.5)	2	0	2	5	9.21(8.42-12.5)	5	0	5
Conventionals	Oil and Grease	mg/L		0.72(0.72-0.72)	2	0	0		0.72(0-1.6)	5	0	1
Conventionals	pH	pH units		7.35(7.04-7.66)	2	0	2		7.875(7.67-7.93)	6	0	6
General	Alkalinity as CaCO3	mg/L		294(241-347)	2	0	2		165(104-182)	6	0	6
General	Ammonia	mg/L	14.4-36.1	0.26(0.169-0.351)	2	0	2	10.1-48.8	0.23(0.17-0.787)	7	0	7
General	BioChemical Oxygen Demand- Five-Day	mg/L		0.5(0.5-0.5)	2	0	0		4.05(1.9-6.45)	6	0	6
General	Chemical Oxygen Demand	mg/L		0(0-0)	2	0	0		43(20-103)	7	0	7
General	Chloride	mg/L	500	264(257-271)	2	0	2	500	95(67-125)	7	0	7
General	Dissolved Phosphorus	mg/L		0.201(0.025-0.377)	2	0	1		0.17(0.1-0.28)	7	0	7
General	Fluoride	mg/L		0.7525(0.708-0.797)	2	0	2		0.421(0.27-0.536)	7	0	7
General	Hardness as CaCO3	mg/L		1320(1240-1400)	2	0	2		610(330-700)	6	0	6
General	Kjeldahl-N	mg/L		0.94(0.56-1.32)	2	0	2		1.14(0.56-9.28)	7	0	7
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L		0.165(0.165-0.165)	2	0	0		0.07(0.07-0.165)	5	0	0
General	Methylene Blue Active Substances (MBAS)	mg/L		0(0-0)	2	0	0		0.345(0.0445-0.76)	6	0	4
General	NH3-N	mg/L		0.215(0.14-0.29)	2	0	2		0.175(0.14-0.38)	6	0	6
General	Nitrate (NO3)	mg/L	45	2.875(0-5.75)	2	0	1	45-45	2.2(1.5-3.98)	6	0	6
General	Nitrate-N	mg/L	10	0.65(0-1.3)	2	0	1	10-10	0.5(0-0.899)	6	0	5
General	Nitrite-N	mg/L	1	0.005(0.005-0.005)	2	0	0	1-1	0.005(0-0.008)	6	0	0
General	Phosphorus- Total (as P)	mg/L		0.2325(0.06-0.405)	2	0	2		0.27(0.23-0.786)	7	0	7
General	Specific Conductance	umhos/cm		3.04(2.9-3.18)	2	0	2		1300(830-1620)	7	0	7
General	Sulfate	mg/L	500	1130(1040-1220)	2	2	2	500-500	486(260-541)	7	2	7
General	Total Dissolved Solids	mg/L	2000	2540(2390-2690)	2	2	2	2000-2000	1095(565-1220)	6	0	6
General	Total Organic Carbon	mg/L		9.325(7.75-10.9)	2	0	2		11.5(2.9-53.3)	7	0	7
General	Total Petroleum Hydrocarbons	mg/L		0.75(0.75-0.75)	2	0	0		0.475(0.475-0.75)	5	0	0
General	Total Suspended Solids	mg/L		19.5(6-33)	2	0	2		55(18-241)	6	0	6
General	Turbidity	NTU		0.58(0.34-0.82)	2	0	2		8.295(2.34-23)	6	0	6
General	Volatile Suspended Solids	mg/L		8.5(6-11)	2	0	2		22(7.8-64)	6	0	6
Herbicides	2-4-5-TP-SILVEX	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0.0335-0.0335)	7	0	0
Herbicides	2-4-D	ug/L		0.13425(0.0075-0.261)	2	0	1		0.0075(0.0075-0.01)	7	0	0
Herbicides	Glyphosate	ug/L		2.5(2.5-2.5)	2	0	0		2.5(0.9-6)	7	0	2

Group	Parameter	Units	Table 4-5.4. Medea Creek Dry & Wet Weather Exceedance Summary									
			Medea Creek TS28 2012-13Dry					Medea Creek TS28 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Metals	Dissolved Aluminum	ug/L		25(25-25)	2	0	0		15(0-3250)	7	0	5
Metals	Dissolved Antimony	ug/L		0(0-0)	2	0	0		0.67(0.5-1.91)	7	0	7
Metals-CMCCCC	Dissolved Arsenic	ug/L	340	0.1(0.1-0.1)	2	0	0	340	0.759(0-3.96)	7	0	5
Metals	Dissolved Barium	ug/L		23.95(23-24.9)	2	0	2		18.3(12.5-142)	7	0	7
Metals	Dissolved Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.03175(0-0.05)	7	0	0
Metals-CMCCCC	Dissolved Cadmium	ug/L	19.1-19.1	1.037(0.594-1.48)	2	0	2	15.5-19.1	1.19(0.499-33)	7	0	7
Metals-CMCCCC	Dissolved Chromium	ug/L	1707.9-1707.9	1.28(1.22-1.34)	2	0	2	1458.9-1707.9	0.863(0-6.97)	7	0	6
Metals-CMCCCC	Dissolved Chromium +6	ug/L	392.8-392.8	0.125(0.125-0.125)	2	0	0	324.1-392.8	0.125(0-0.29)	6	0	1
Metals-CMCCCC	Dissolved Copper	ug/L	49.6-49.6	4.465(4.4-4.53)	2	0	2	41.3-49.6	6.32(2.15-142)	7	0	7
Metals	Dissolved Iron	ug/L		12.5(0-25)	2	0	0		123(30.4-6950)	7	0	7
Metals-CMCCCC	Dissolved Lead	ug/L	280.9-280.9	0.05(0-0.1)	2	0	0	230.3-280.9	0.0791(0-23.1)	7	0	5
Metals	Dissolved Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0.02265-0.05)	7	0	0
Metals-CMCCCC	Dissolved Nickel	ug/L	1512.9-1512.9	15.15(15-15.3)	2	0	2	1285.7-1512.9	9.21(3.82-47.4)	7	0	7
Metals	Dissolved Selenium	ug/L		4.865(4.51-5.22)	2	0	2		1.99(0.273-2.72)	7	0	7
Metals-CMCCCC	Dissolved Silver	ug/L	37.4-37.4	0.05(0.05-0.05)	2	0	0	26.9-37.4	0.05(0-0.05)	7	0	1
Metals	Dissolved Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.00435(0-0.05)	7	0	0
Metals-CMCCCC	Dissolved Zinc	ug/L	379.3-379.3	12.425(7.65-17.2)	2	0	2	322.2-379.3	50.8(9.27-740)	7	0	7
Metals	Aluminum	ug/L		12.5(0-25)	2	0	0		439(129-21400)	7	0	7
Metals	Antimony	ug/L		0.336(0-0.672)	2	0	1		0.946(0.566-5.92)	7	0	7
Metals	Arsenic	ug/L		1.635(1.5-1.77)	2	0	2		1.33(0.988-7.63)	7	0	7
Metals	Barium	ug/L		30.55(30-31.1)	2	0	2		27.2(21.4-310)	7	0	7
Metals	Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0.03175-0.789)	7	0	1
Metals	Cadmium	ug/L		1.2115(0.743-1.68)	2	0	2		2.56(1.46-48.3)	7	0	7
Metals	Chromium	ug/L		2.295(1.65-2.94)	2	0	2		2.29(0.937-28.1)	7	0	7
Metals	Chromium +6	ug/L		0.125(0.125-0.125)	2	0	0		0.125(0-0.29)	6	0	1
Metals	Copper	ug/L		6.71(6.36-7.06)	2	0	2		13.8(12.1-250)	7	0	7
Metals	Iron	ug/L		73(0-146)	2	0	1		1000(229-33400)	7	0	7
Metals	Lead	ug/L		0.2765(0-0.553)	2	0	1		1.49(0.968-35.2)	7	0	7
Metals	Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0.02265-0.05)	7	0	0
Metals	Nickel	ug/L		20.3(19.4-21.2)	2	0	2		14.2(5.68-63)	7	0	7
Metals	Selenium	ug/L		5.26(5.13-5.39)	2	0	2		2.89(0.283-5.54)	7	0	7
Metals	Silver	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0-0.919)	7	0	3
Metals	Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.05(0-1.26)	7	0	1
Metals	Zinc	ug/L		66.85(28.7-105)	2	0	2		77.4(51-905)	7	0	7
Organophosphate Pesticides	Atrazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.16785(0.0022-0.3335)	6	0	0
Organophosphate Pesticides	Chlorpyrifos	ug/L		0.01(0.01-0.01)	2	0	0		0.00565(0.0013-0.01)	6	0	0
Organophosphate Pesticides	Cyanazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.167625(0.00175-0.3335)	6	0	0
Organophosphate Pesticides	Diazinon	ug/L		0.0015(0.0015-0.0015)	2	0	0		0.0014(0.0013-0.0015)	6	0	0
Organophosphate Pesticides	Malathion	ug/L		0.165(0.165-0.165)	2	0	0		0.083875(0.00275-0.165)	6	0	0
Organophosphate Pesticides	Prometryn	ug/L		0.335(0.335-0.335)	2	0	0		0.168475(0.00195-0.335)	6	0	0
Organophosphate Pesticides	Simazine	ug/L		0.335(0.335-0.335)	2	0	0		0.168625(0.00225-0.335)	6	0	0
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.031(0.0295-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0305(0.0285-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.02875(0.025-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0225(0.0125-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.02625(0.02-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0275(0.0225-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0295(0.0265-0.0325)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0.125-1.665)	7	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.125-0.165)	7	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.12-0.335)	7	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.5-0.65)	7	0	0
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.115-0.335)	7	0	0
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.13-0.5)	7	0	0
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.12-0.5)	7	0	0
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.08-0.5)	7	0	0
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	9.1-16.9	0.335(0.335-0.335)	2	0	0	17.1-22.2	0.335(0.23-0.335)	7	0	0
Semivolatile Organic Compounds (Acids)	Phenol	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0-0.165)	7	0	0
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L		0.015(0.015-0.015)	2	0	0		0.023(0.015-0.023)	5	0	0

Group	Parameter	Units	Table 4-5.4. Medea Creek Dry & Wet Weather Exceedance Summary									
			Medea Creek TS28 2012-13Dry					Medea Creek TS28 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.14-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.235-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.165(0.08-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.09-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.165(0.07-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.165(0.075-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.115-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.12-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L		0.165(0.165-0.165)	2	0	0		0.255(0.165-0.255)	5	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0.14-1.665)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.13-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L		0.5(0.5-0.5)	2	0	0		0.5(0.5-0.7)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.135-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.135-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.14-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.145-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.15-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.325-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.12-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.16-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0.115-1.665)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.125-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.125-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.125-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.16-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexl) phthalate	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0-1.8)	7	0	1
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0-1.665)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.14-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.0165(0.0095-0.0165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.14-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L		0.335(0.335-0.335)	2	0	0		0.335(0.13-0.335)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0-0.0085)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.0165(0.0075-0.0165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.345-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.155-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.145-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.15-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0.0085-0.0115)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.125-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.12-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0.16-0.835)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.14-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0-0.077)	7	0	1
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.15-0.165)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0-0.0085)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0-0.0085)	7	0	0
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0.145-1.665)	7	0	1
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		1.665(0.125-1.665)	7	0	0

WQO=Water Quality Objective

Hardness based CTR calculations were based on a minimum of the sample hardness or 400 mg/L (as per the CTR)

*Hardness was not analyzed for 2012-13Event04 due to limited sample quantity. Therefore, WQO could not be

Group	Parameter	Units	Table 4-5.5. Liberty Canyon Channel Dry & Wet Weather Exceedance Summary									
			Liberty Canyon Channel TS29 2012-13Dry					Liberty Canyon Channel TS29 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Bacteria	E. coli	MPN/100mL	235	17346.5(14830-19863)	2	**2**	2	235	11199(985-92000)	5	**5**	5
Bacteria	Fecal Coliform	MPN/100mL		37000(24000-50000)	2	0	2		24000(1300-92000)	5	0	5
Bacteria	Fecal Enterococcus	MPN/100mL		151500(3000-300000)	2	0	2		54000(9200-240000)	5	0	5
Bacteria	Fecal Streptococcus	MPN/100mL		164000(28000-300000)	2	0	2		54000(9200-240000)	5	0	5
Bacteria	Total Coliform	MPN/100mL		200000(160000-240000)	2	0	2		24000(16000-160000)	5	0	5
Chlorinated Pesticides	4-4'-DDD	ug/L		0.0055(0.0055-0.0055)	2	0	0		0.0029025(0-0.0055)	6	0	0
Chlorinated Pesticides	4-4'-DDE	ug/L		0.002(0.002-0.002)	2	0	0		0.0012225(0.000445-0.002)	6	0	0
Chlorinated Pesticides	4-4'-DDT	ug/L	1.1	0.005(0.005-0.005)	2	0	0	1.1	0.0026475(0.000295-0.005)	6	0	0
Chlorinated Pesticides	Aldrin	ug/L	3	0.002(0.002-0.002)	2	0	0	3	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Dieldrin	ug/L	0.24	0.001(0.001-0.001)	2	0	0	0.24	0.0006625(0.000325-0.001)	6	0	0
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	0.22	0.005(0.005-0.005)	2	0	0	0.22	0.0115(0.005-0.048)	6	0	3
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	0.22	0.002(0.002-0.002)	2	0	0	0.22	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Endosulfan sulfate	ug/L		0.025(0.025-0.025)	2	0	0		0.01265(0.0003-0.025)	6	0	0
Chlorinated Pesticides	Endrin	ug/L	0.086	0.003(0.003-0.003)	2	0	0	0.086	0.001655(0.00031-0.003)	6	0	0
Chlorinated Pesticides	Endrin aldehyde	ug/L		0.005(0.005-0.005)	2	0	0		0.00266(0.00032-0.005)	6	0	0
Chlorinated Pesticides	Heptachlor	ug/L	0.52	0.0015(0.0015-0.0015)	2	0	0	0.52	0.00093(0.00036-0.0015)	6	0	0
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	0.52	0.005(0.005-0.005)	2	0	0	0.52	0.00267(0.00034-0.005)	6	0	0
Chlorinated Pesticides	Methoxychlor	ug/L		0.25(0.25-0.25)	2	0	0		0.1252425(0.000485-0.25)	6	0	0
Chlorinated Pesticides	Toxaphene	ug/L	0.73	0.12(0.12-0.12)	2	0	0	0.73	0.0623(0.0046-0.12)	6	0	0
Chlorinated Pesticides	alpha-BHC	ug/L		0.005(0.005-0.005)	2	0	0		0.0026675(0.000335-0.005)	6	0	0
Chlorinated Pesticides	alpha-chlordane	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.008405(0.00031-0.0165)	6	0	0
Chlorinated Pesticides	beta-BHC	ug/L		0.0025(0.0025-0.0025)	2	0	0		0.001625(0.00075-0.0025)	6	0	0
Chlorinated Pesticides	delta-BHC	ug/L		0.0025(0.0025-0.0025)	2	0	0		0.001415(0.00033-0.0025)	6	0	0
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	0.95	0.002(0.002-0.002)	2	0	0	0.95	0.0012325(0.000465-0.002)	6	0	0
Chlorinated Pesticides	gamma-chlordane	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.0084(0.0003-0.0165)	6	0	0
Conventionals	Cyanide	mg/L	0.022	0.02275(0.0025-0.043)	2	**1**	1	0.022	0.000345(0.000345-0.0025)	5	0	0
Conventionals	Dissolved Oxygen	mg/L	5	12.1(10.6-13.6)	2	0	2	5	9.81(7.97-11.9)	5	0	5
Conventionals	Oil and Grease	mg/L		0.72(0.72-0.72)	2	0	0		0.72(0.4-1.4)	5	0	1
Conventionals	pH	pH units		7.685(7.35-8.02)	2	0	2		8.16(7.54-8.65)	6	**1**	6
General	Alkalinity as CaCO3	mg/L		201.5(199-204)	2	0	2		84(38-220)	6	0	6
General	Ammonia	mg/L	8.4-23	0.92(0.69-1.15)	2	0	2	2.2-19.9	0.552(0.27-1.84)	6	0	6
General	BioChemical Oxygen Demand- Five-Day	mg/L		3.195(2.41-3.98)	2	0	2		6.375(3.07-11)	6	0	6
General	Chemical Oxygen Demand	mg/L		39(35-43)	2	0	2		46.5(22-120)	6	0	6
General	Chloride	mg/L	500	205.5(191-220)	2	0	2	500	61.4(18-230)	6	0	6
General	Dissolved Phosphorus	mg/L		0.4405(0.371-0.51)	2	0	2		0.21(0.17-0.45)	6	0	6
General	Fluoride	mg/L		1.128(0.976-1.28)	2	0	2		0.3615(0.24-0.783)	6	0	6
General	Hardness as CaCO3	mg/L		860(740-980)	2	0	2		255(82-810)	6	0	6
General	Kjeldahl-N	mg/L		3.19(3.16-3.22)	2	0	2		2.33(1-5.7)	6	0	6
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L		0.165(0.165-0.165)	2	0	0		0.07(0.07-0.165)	5	0	0
General	Methylene Blue Active Substances (MBAS)	mg/L		0.365(0-0.73)	2	0	1		0.34(0.0445-0.95)	6	0	5
General	NH3-N	mg/L		0.76(0.57-0.95)	2	0	2		0.455(0.22-1.52)	6	0	6
General	Nitrate (NO3)	mg/L	45	7.01(6.1-7.92)	2	0	2	45	3.605(2.5-5.68)	6	0	6
General	Nitrate-N	mg/L	10	1.585(1.38-1.79)	2	0	2	10	0.819(0.57-1.28)	6	0	6
General	Nitrite-N	mg/L	1	0.02545(0.005-0.0459)	2	0	1	1	0.0025(0-0.005)	6	0	0
General	Phosphorus- Total (as P)	mg/L		0.5095(0.419-0.6)	2	0	2		0.51(0.2-1.9)	6	0	6
General	Specific Conductance	umhos/cm		2.315(2.08-2.55)	2	0	2		470(2.28-1000)	6	0	6
General	Sulfate	mg/L	500	811.5(669-954)	2	**2**	2	500	206(43.8-796)	6	**1**	6
General	Total Dissolved Solids	mg/L	2000	1800(1570-2030)	2	**1**	2	2000	497(100-1810)	6	0	6
General	Total Organic Carbon	mg/L		9.335(6.57-12.1)	2	0	2		15.4(8-22.8)	6	0	6
General	Total Petroleum Hydrocarbons	mg/L		0.75(0.75-0.75)	2	0	0		0.475(0.475-0.75)	5	0	0
General	Total Suspended Solids	mg/L		554(349-759)	2	0	2		112.5(6-1430)	6	0	6
General	Turbidity	NTU		3.075(2.35-3.8)	2	0	2		17.055(1.18-36)	6	0	6
General	Volatile Suspended Solids	mg/L		161(85-237)	2	0	2		43(5-437)	6	0	6
Herbicides	2-4-5-TP-SILVEX	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0.0335-0.0335)	6	0	0
Herbicides	2-4-D	ug/L		0.38125(0.0075-0.755)	2	0	1		0.00875(0.0075-0.01)	6	0	0
Herbicides	Glyphosate	ug/L		6(2.5-9.5)	2	0	1		5.35(2.5-16)	6	0	3

Group	Parameter	Units	Table 4-5.5. Liberty Canyon Channel Dry & Wet Weather Exceedance Summary									
			Liberty Canyon Channel TS29 2012-13Dry					Liberty Canyon Channel TS29 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Metals	Dissolved Aluminum	ug/L		992.5(745-1240)	2	0	2		32.35(9.3-1180)	6	0	5
Metals	Dissolved Antimony	ug/L		0.7115(0.673-0.75)	2	0	2		0.942(0.664-1.1)	6	0	6
Metals-CMCCCC	Dissolved Arsenic	ug/L	340	2.575(2.36-2.79)	2	0	2	340	1.32(0.855-2.79)	6	0	6
Metals	Dissolved Barium	ug/L		63.45(62.4-64.5)	2	0	2		26.2(11.7-76.9)	6	0	6
Metals	Dissolved Beryllium	ug/L		0.025(0-0.05)	2	0	0		0.03175(0-0.05)	6	0	0
Metals-CMCCCC	Dissolved Cadmium	ug/L	19.1-19.1	12.125(3.25-21)	2	**1**	2	3.4-19.1	0.553(0.215-5.32)	6	0	6
Metals-CMCCCC	Dissolved Chromium	ug/L	1707.9-1707.9	3.88(2.39-5.37)	2	0	2	466.4-1707.9	1.49(0-3.25)	6	0	5
Metals-CMCCCC	Dissolved Chromium +6	ug/L	392.8-392.8	0.125(0.125-0.125)	2	0	0	80.5-392.8	0.0625(0-0.84)	6	0	2
Metals-CMCCCC	Dissolved Copper	ug/L	49.6-49.6	226(217-235)	2	**2**	2	11.1-49.6	20.05(8.73-157)	6	**2**	6
Metals	Dissolved Iron	ug/L		1880(1650-2110)	2	0	2		31.4(0-3870)	6	0	5
Metals-CMCCCC	Dissolved Lead	ug/L	280.9-280.9	5.48(3.35-7.61)	2	0	2	52-280.9	0.16965(0-13.8)	6	0	5
Metals	Dissolved Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.036325(0.02265-0.05)	6	0	0
Metals-CMCCCC	Dissolved Nickel	ug/L	1512.9-1512.9	29.05(15.7-42.4)	2	0	2	395.9-1512.9	5.605(2.02-19.3)	6	0	6
Metals	Dissolved Selenium	ug/L		5.29(2.34-8.24)	2	0	2		0.1428(0-7.58)	6	0	5
Metals-CMCCCC	Dissolved Silver	ug/L	37.4-37.4	0.05(0.05-0.05)	2	0	0	2.5-37.4	0.04785(0-0.05)	6	0	1
Metals	Dissolved Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.027175(0.00435-0.05)	6	0	0
Metals-CMCCCC	Dissolved Zinc	ug/L	379.3-379.3	111.9(98.8-125)	2	0	2	99-379.3	33.9(10.6-440)	6	**1**	6
Metals	Aluminum	ug/L		4625(3600-5650)	2	0	2		760.5(104-16600)	6	0	6
Metals	Antimony	ug/L		2.04(1.61-2.47)	2	0	2		1.25(0.994-4.12)	6	0	6
Metals	Arsenic	ug/L		2.875(2.58-3.17)	2	0	2		2.315(1.46-5.93)	6	0	6
Metals	Barium	ug/L		115.4(99.8-131)	2	0	2		38.75(28.6-187)	6	0	6
Metals	Beryllium	ug/L		0(0-0)	2	0	0		0.040875(0.03175-0.612)	6	0	1
Metals	Cadmium	ug/L		12.96(4.22-21.7)	2	0	2		0.8355(0.49-8.54)	6	0	6
Metals	Chromium	ug/L		9.155(7.11-11.2)	2	0	2		3.075(1.72-22.8)	6	0	6
Metals	Chromium +6	ug/L		0.125(0.125-0.125)	2	0	0		0.0625(0-0.84)	6	0	2
Metals	Copper	ug/L		292(281-303)	2	0	2		37.45(14.8-387)	6	0	6
Metals	Iron	ug/L		8090(5680-10500)	2	0	2		1385(239-26300)	6	0	6
Metals	Lead	ug/L		10.01(6.42-13.6)	2	0	2		2.865(0.838-30.9)	6	0	6
Metals	Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.036325(0.02265-0.05)	6	0	0
Metals	Nickel	ug/L		38.4(21.4-55.4)	2	0	2		8.07(3.32-32.8)	6	0	6
Metals	Selenium	ug/L		5.65(2.48-8.82)	2	0	2		0.819(0.0966-7.72)	6	0	6
Metals	Silver	ug/L		0.819(0.81-0.828)	2	0	2		0.0382(0-2.26)	6	0	3
Metals	Thallium	ug/L		0(0-0)	2	0	0		0.018875(0-0.05)	6	0	1
Metals	Zinc	ug/L		168(159-177)	2	0	2		86.55(51.7-725)	6	0	6
Organophosphate Pesticides	Atrazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.16785(0.0022-0.3335)	6	0	0
Organophosphate Pesticides	Chlorpyrifos	ug/L		0.01(0.01-0.01)	2	0	0		0.00565(0.0013-0.01)	6	0	0
Organophosphate Pesticides	Cyanazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.167625(0.00175-0.3335)	6	0	0
Organophosphate Pesticides	Diazinon	ug/L		0.0015(0.0015-0.0015)	2	0	0		0.0014(0.0013-0.0015)	6	0	0
Organophosphate Pesticides	Malathion	ug/L		0.165(0.165-0.165)	2	0	0		0.083875(0.00275-0.165)	6	0	0
Organophosphate Pesticides	Prometryn	ug/L		0.335(0.335-0.335)	2	0	0		0.168475(0.00195-0.335)	6	0	0
Organophosphate Pesticides	Simazine	ug/L		0.335(0.335-0.335)	2	0	0		0.168625(0-0.335)	6	0	0
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.031(0.0295-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0305(0.0285-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.02875(0.025-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0225(0.0125-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.02625(0.02-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0275(0.0225-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0295(0.0265-0.0325)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L		1.665(1.665-1.665)	2	0	0		0.895(0.125-1.665)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L		0.165(0.165-0.165)	2	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L		0.335(0.335-0.335)	2	0	0		0.2275(0.12-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.575(0.5-0.65)	6	0	0
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L		0.335(0.335-0.335)	2	0	0		0.225(0.115-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.315(0.13-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L		0.5(0.5-0.5)	2	0	0		0.31(0.12-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.29(0.08-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	12.4-24.3	0.335(0.335-0.335)	2	0	0	15-45.8	0.2825(0.23-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	Phenol	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.105-1.7)	6	0	1
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L		0.015(0.015-0.015)	2	0	0		0.023(0.015-0.023)	5	0	0

Group	Parameter	Units	Table 4-5.5. Liberty Canyon Channel Dry & Wet Weather Exceedance Summary									
			Liberty Canyon Channel TS29 2012-13Dry					Liberty Canyon Channel TS29 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L		0.835(0.835-0.835)	2	0	0		0.535(0.235-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.1225(0.08-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L		0.165(0.165-0.165)	2	0	0		0.1275(0.09-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.1175(0.07-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.12(0.075-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L		0.835(0.835-0.835)	2	0	0		0.475(0.115-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L		0.835(0.835-0.835)	2	0	0		0.4775(0.12-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L		0.165(0.165-0.165)	2	0	0		0.255(0.165-0.255)	5	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L		1.665(1.665-1.665)	2	0	0		0.9025(0.14-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L		0.835(0.835-0.835)	2	0	0		0.4825(0.13-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L		0.5(0.5-0.5)	2	0	0		0.6(0.5-0.7)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L		0.835(0.835-0.835)	2	0	0		0.485(0.135-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L		0.835(0.835-0.835)	2	0	0		0.485(0.135-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L		0.165(0.165-0.165)	2	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L		0.335(0.335-0.335)	2	0	0		0.24(0.145-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L		0.335(0.335-0.335)	2	0	0		0.2425(0.15-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L		0.835(0.835-0.835)	2	0	0		0.58(0.325-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L		0.335(0.335-0.335)	2	0	0		0.2275(0.12-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L		0.335(0.335-0.335)	2	0	0		0.2475(0.16-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L		1.665(1.665-1.665)	2	0	0		0.89(0.115-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L		0.835(0.835-0.835)	2	0	0		0.48(0.125-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L		0.835(0.835-0.835)	2	0	0		0.48(0.125-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L		0.165(0.165-0.165)	2	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L		0.335(0.335-0.335)	2	0	0		0.2475(0.16-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexl) phthalate	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0-1.8)	6	0	2
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		0.895(0-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L		0.835(0.835-0.835)	2	0	0		0.4875(0.14-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.013(0.0095-0.0165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L		0.335(0.335-0.335)	2	0	0		0.2375(0.14-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L		0.335(0.335-0.335)	2	0	0		0.2325(0.13-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.00665(0-0.0085)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.012(0.0075-0.0165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L		0.835(0.835-0.835)	2	0	0		0.59(0.345-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.16(0.155-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L		0.165(0.165-0.165)	2	0	0		0.155(0.145-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L		0.165(0.165-0.165)	2	0	0		0.1575(0.15-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.01(0.0085-0.0115)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L		0.165(0.165-0.165)	2	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L		0.835(0.835-0.835)	2	0	0		0.4775(0.12-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L		0.835(0.835-0.835)	2	0	0		0.4975(0.16-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L		0.165(0.165-0.165)	2	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0-0.053)	6	0	1
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.1575(0.15-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.00725(0-0.0085)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0085(0-0.064)	6	0	1
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		0.905(0-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		0.895(0.125-1.665)	6	0	0

WQO=Water Quality Objective

Hardness based CTR calculations were based on a minimum of the sample hardness or 400 mg/L (as per the CTR)

*Hardness was not analyzed for 2012-13Event04 due to limited sample quantity. Therefore, WQO could not be

Group	Parameter	Units	Table 4-5.6. PD 728 at Foxfield Drive Dry & Wet Weather Exceedance Summary									
			PD 728 at Foxfield Drive T30 2012-13Dry					PD 728 at Foxfield Drive TS30 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Bacteria	E. coli	MPN/100mL	235	347(63-631)	2	1	2	235	2200(1006-16000)	5	5	5
Bacteria	Fecal Coliform	MPN/100mL		170(40-300)	2	0	2		7000(1700-16000)	5	0	5
Bacteria	Fecal Enterococcus	MPN/100mL		235(170-300)	2	0	2		17000(3500-24000)	5	0	5
Bacteria	Fecal Streptococcus	MPN/100mL		400(300-500)	2	0	2		17000(3500-24000)	5	0	5
Bacteria	Total Coliform	MPN/100mL		16500(3000-30000)	2	0	2		54000(24000-2400000)	5	0	5
Chlorinated Pesticides	4-4'-DDD	ug/L		0.0055(0.0055-0.0055)	2	0	0		0.0029025(0-0.0055)	6	0	0
Chlorinated Pesticides	4-4'-DDE	ug/L		0.002(0.002-0.002)	2	0	0		0.002(0.000445-0.0074)	6	0	1
Chlorinated Pesticides	4-4'-DDT	ug/L	1.1	0.005(0.005-0.005)	2	0	0	1.1	0.0026475(0.000295-0.005)	6	0	0
Chlorinated Pesticides	Aldrin	ug/L	3	0.002(0.002-0.002)	2	0	0	3	0.0011625(0-0.002)	6	0	0
Chlorinated Pesticides	Dieldrin	ug/L	0.24	0.001(0.001-0.001)	2	0	0	0.24	0.0006625(0.000325-0.001)	6	0	0
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	0.22	0.005(0.005-0.005)	2	0	0	0.22	0.0215(0.005-0.06)	6	0	3
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	0.22	0.002(0.002-0.002)	2	0	0	0.22	0.0011625(0.000325-0.002)	6	0	0
Chlorinated Pesticides	Endosulfan sulfate	ug/L		0.025(0.025-0.025)	2	0	0		0.01265(0.0003-0.025)	6	0	0
Chlorinated Pesticides	Endrin	ug/L	0.086	0.003(0.003-0.003)	2	0	0	0.086	0.001655(0.00031-0.003)	6	0	0
Chlorinated Pesticides	Endrin aldehyde	ug/L		0.005(0.005-0.005)	2	0	0		0.00266(0.00032-0.005)	6	0	0
Chlorinated Pesticides	Heptachlor	ug/L	0.52	0.0015(0.0015-0.0015)	2	0	0	0.52	0.00093(0.00036-0.0015)	6	0	0
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	0.52	0.005(0.005-0.005)	2	0	0	0.52	0.00267(0.00034-0.005)	6	0	0
Chlorinated Pesticides	Methoxychlor	ug/L		0.25(0.25-0.25)	2	0	0		0.1252425(0.000485-0.25)	6	0	0
Chlorinated Pesticides	Toxaphene	ug/L	0.73	0.12(0.12-0.12)	2	0	0	0.73	0.0623(0.0046-0.12)	6	0	0
Chlorinated Pesticides	alpha-BHC	ug/L		0.005(0.005-0.005)	2	0	0		0.0026675(0.000335-0.005)	6	0	0
Chlorinated Pesticides	alpha-chlordane	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.008405(0.00031-0.0165)	6	0	0
Chlorinated Pesticides	beta-BHC	ug/L		0.0025(0.0025-0.0025)	2	0	0		0.001625(0.00075-0.0025)	6	0	0
Chlorinated Pesticides	delta-BHC	ug/L		0.0025(0.0025-0.0025)	2	0	0		0.001415(0.00033-0.0025)	6	0	0
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	0.95	0.002(0.002-0.002)	2	0	0	0.95	0.0012325(0.000465-0.002)	6	0	0
Chlorinated Pesticides	gamma-chlordane	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.0084(0.0003-0.0165)	6	0	0
Conventionals	Cyanide	mg/L	0.022	0.00625(0.0025-0.01)	2	0	1	0.022	0.000345(0.000345-0.0025)	5	0	0
Conventionals	Dissolved Oxygen	mg/L	5	16.8(15.4-18.2)	2	0	2	5	9.27(7.96-10.9)	5	0	5
Conventionals	Oil and Grease	mg/L		0.72(0.72-0.72)	2	0	0		1.2(0.72-3.6)	5	0	3
Conventionals	pH	pH units		7.425(7.27-7.58)	2	0	2		7.76(7.47-8.33)	6	0	6
General	Alkalinity as CaCO3	mg/L		275(275-275)	2	0	2		138(40-220)	6	0	6
General	Ammonia	mg/L	17-26.2	0.617(0.242-0.992)	2	0	2	4.71-19.9	0.3125(0.242-0.56)	6	0	6
General	BioChemical Oxygen Demand- Five-Day	mg/L		1.805(0.5-3.11)	2	0	1		5(2.71-12)	6	0	6
General	Chemical Oxygen Demand	mg/L		38(23-53)	2	0	2		49(0-110)	6	0	5
General	Chloride	mg/L	500	268.5(265-272)	2	0	2	500	89.5(21-178)	6	0	6
General	Dissolved Phosphorus	mg/L		0.4895(0.489-0.49)	2	0	2		0.25(0.2-0.41)	6	0	6
General	Fluoride	mg/L		0.6355(0.612-0.659)	2	0	2		0.361(0.18-0.461)	6	0	6
General	Hardness as CaCO3	mg/L		800(760-840)	2	0	2		340(91-580)	6	0	6
General	Kjeldahl-N	mg/L		1.88(1.72-2.04)	2	0	2		0.96(0.52-9.9)	6	0	6
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L		0.165(0.165-0.165)	2	0	0		0.07(0.07-0.165)	5	0	0
General	Methylene Blue Active Substances (MBAS)	mg/L		0(0-0)	2	0	0		0.19(0-0.68)	6	0	5
General	NH3-N	mg/L		0.51(0.2-0.82)	2	0	2		0.26(0.2-0.46)	6	0	6
General	Nitrate (NO3)	mg/L	45	1.87(0-3.74)	2	0	1	45	3.045(1.56-4.29)	6	0	6
General	Nitrate-N	mg/L	10	0.4225(0-0.845)	2	0	1	10	0.6855(0-0.968)	6	0	5
General	Nitrite-N	mg/L	1	0.005(0.005-0.005)	2	0	0	1	0.005(0-0.008)	6	0	0
General	Phosphorus- Total (as P)	mg/L		0.532(0.514-0.55)	2	0	2		0.47(0.27-0.48)	6	0	6
General	Specific Conductance	umhos/cm		2.21(2.15-2.27)	2	0	2		880(270-1610)	6	0	6
General	Sulfate	mg/L	500	580(548-612)	2	2	2	500	225(50-440)	6	0	6
General	Total Dissolved Solids	mg/L	2000	1645(1580-1710)	2	0	2	2000	632.5(140-1200)	6	0	6
General	Total Organic Carbon	mg/L		7.04(5.73-8.35)	2	0	2		13(6.9-23.1)	6	0	6
General	Total Petroleum Hydrocarbons	mg/L		0.75(0.75-0.75)	2	0	0		0.475(0.475-0.75)	5	0	0
General	Total Suspended Solids	mg/L		92.5(27-158)	2	0	2		136.5(23-685)	6	0	6
General	Turbidity	NTU		0.84(0.53-1.15)	2	0	2		13.95(3.02-30)	6	0	6
General	Volatile Suspended Solids	mg/L		44.5(16-73)	2	0	2		35.5(9.3-117)	6	0	6
Herbicides	2-4-5-TP-SILVEX	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0335(0.0335-0.0335)	6	0	0
Herbicides	2-4-D	ug/L		0.00875(0.0075-0.01)	2	0	0		0.00875(0.0075-0.01)	6	0	0
Herbicides	Glyphosate	ug/L		2.5(2.5-2.5)	2	0	0		2.5(0.9-11)	6	0	2

Group	Parameter	Units	Table 4-5.6. PD 728 at Foxfield Drive Dry & Wet Weather Exceedance Summary									
			PD 728 at Foxfield Drive T30 2012-13Dry					PD 728 at Foxfield Drive TS30 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Metals	Dissolved Aluminum	ug/L		25(25-25)	2	0	0		109.75(9.98-1180)	6	0	6
Metals	Dissolved Antimony	ug/L		0.3115(0-0.623)	2	0	1		0.898(0.712-2.2)	6	0	6
Metals-CMCCCC	Dissolved Arsenic	ug/L	340	0.52(0-1.04)	2	0	1	340	0.9175(0-2.27)	6	0	4
Metals	Dissolved Barium	ug/L		32.3(32-32.6)	2	0	2		24.6(11.6-69.7)	6	0	6
Metals	Dissolved Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.03175(0-0.05)	6	0	0
Metals-CMCCCC	Dissolved Cadmium	ug/L	19.1-19.1	0.6975(0.632-0.763)	2	0	2	3.9-19.1	0.597(0.115-2.66)	6	0	6
Metals-CMCCCC	Dissolved Chromium	ug/L	1707.9-1707.9	1.28(1.21-1.35)	2	0	2	507.9-1707.9	1.048(0-3.31)	6	0	5
Metals-CMCCCC	Dissolved Chromium +6	ug/L	392.8-392.8	0.125(0.125-0.125)	2	0	0	89.4-392.8	0.0625(0-0.46)	6	0	2
Metals-CMCCCC	Dissolved Copper	ug/L	49.6-49.6	5.405(5.13-5.68)	2	0	2	12.3-49.6	10.465(2.03-30.6)	6	0	6
Metals	Dissolved Iron	ug/L		12.5(0-25)	2	0	0		146.5(4.82-1100)	6	0	6
Metals-CMCCCC	Dissolved Lead	ug/L	280.9-280.9	0.3625(0-0.725)	2	0	1	58.3-280.9	0.857(0.00675-6.97)	6	0	5
Metals	Dissolved Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.036325(0.02265-0.05)	6	0	0
Metals-CMCCCC	Dissolved Nickel	ug/L	1512.9-1512.9	10.4(10.2-10.6)	2	0	2	432.3-1512.9	5.37(0.355-14.3)	6	0	6
Metals	Dissolved Selenium	ug/L		4.965(3.84-6.09)	2	0	2		2.23(0.346-6.71)	6	0	6
Metals-CMCCCC	Dissolved Silver	ug/L	37.4-37.4	0.05(0.05-0.05)	2	0	0	2.9-37.4	0.05(0-0.0876)	6	0	2
Metals	Dissolved Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.027175(0.00435-0.05)	6	0	0
Metals-CMCCCC	Dissolved Zinc	ug/L	379.3-379.3	18.2(17.7-18.7)	2	0	2	108.2-379.3	60.9(1.65-120)	6	0	6
Metals	Aluminum	ug/L		53(0-106)	2	0	1		1047(368-24600)	6	0	6
Metals	Antimony	ug/L		0.886(0.772-1)	2	0	2		1.69(0.886-3.08)	6	0	6
Metals	Arsenic	ug/L		1.99(1.92-2.06)	2	0	2		1.69(1.15-4.93)	6	0	6
Metals	Barium	ug/L		43.3(42.3-44.3)	2	0	2		36.45(26-182)	6	0	6
Metals	Beryllium	ug/L		0.05(0.05-0.05)	2	0	0		0.040875(0.03175-0.518)	6	0	1
Metals	Cadmium	ug/L		0.8505(0.776-0.925)	2	0	2		1.32(0.674-4.93)	6	0	6
Metals	Chromium	ug/L		2.12(1.56-2.68)	2	0	2		4.225(1.29-32.3)	6	0	6
Metals	Chromium +6	ug/L		0.125(0.125-0.125)	2	0	0		0.0625(0-0.46)	6	0	2
Metals	Copper	ug/L		8.38(7.99-8.77)	2	0	2		23.1(13.2-62.7)	6	0	6
Metals	Iron	ug/L		164(122-206)	2	0	2		1580(565-29400)	6	0	6
Metals	Lead	ug/L		0.8105(0.628-0.993)	2	0	2		2.685(1.39-17.6)	6	0	6
Metals	Mercury	ug/L		0.05(0.05-0.05)	2	0	0		0.036325(0.02265-0.05)	6	0	0
Metals	Nickel	ug/L		14.3(13.7-14.9)	2	0	2		8.7(4.97-35.7)	6	0	6
Metals	Selenium	ug/L		5.125(4.09-6.16)	2	0	2		2.27(0.354-7.53)	6	0	6
Metals	Silver	ug/L		0.05(0.05-0.05)	2	0	0		0.08865(0.05-0.323)	6	0	4
Metals	Thallium	ug/L		0.05(0.05-0.05)	2	0	0		0.00435(0-0.05)	6	0	0
Metals	Zinc	ug/L		86.85(45.7-128)	2	0	2		115.5(57.8-164)	6	0	6
Organophosphate Pesticides	Atrazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.16785(0.0022-0.3335)	6	0	0
Organophosphate Pesticides	Chlorpyrifos	ug/L		0.01(0.01-0.01)	2	0	0		0.00565(0.0013-0.01)	6	0	0
Organophosphate Pesticides	Cyanazine	ug/L		0.3335(0.3335-0.3335)	2	0	0		0.167625(0.00175-0.3335)	6	0	0
Organophosphate Pesticides	Diazinon	ug/L		0.0015(0.0015-0.0015)	2	0	0		0.0014(0.0013-0.0015)	6	0	0
Organophosphate Pesticides	Malathion	ug/L		0.165(0.165-0.165)	2	0	0		0.083875(0.00275-0.165)	6	0	0
Organophosphate Pesticides	Prometryn	ug/L		0.335(0.335-0.335)	2	0	0		0.168475(0.00195-0.335)	6	0	0
Organophosphate Pesticides	Simazine	ug/L		0.335(0.335-0.335)	2	0	0		0.168625(0.00225-0.335)	6	0	0
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.031(0.0295-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0305(0.0285-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.02875(0.025-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0225(0.0125-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.02625(0.02-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0275(0.0225-0.0325)	6	0	0
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L		0.0325(0.0325-0.0325)	2	0	0		0.0295(0.0265-0.0325)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L		1.665(1.665-1.665)	2	0	0		0.895(0.125-1.665)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L		0.165(0.165-0.165)	2	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L		0.335(0.335-0.335)	2	0	0		0.2275(0.12-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.575(0.5-0.65)	6	0	0
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L		0.335(0.335-0.335)	2	0	0		0.225(0.115-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.315(0.13-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L		0.5(0.5-0.5)	2	0	0		0.31(0.12-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L		0.5(0.5-0.5)	2	0	0		0.29(0.08-0.5)	6	0	0
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	11.4-15.6	0.335(0.335-0.335)	2	0	0	14-33.2	0.2825(0.23-0.335)	6	0	0
Semivolatile Organic Compounds (Acids)	Phenol	ug/L		0.165(0.165-0.165)	2	0	0		0.165(0.105-1.7)	6	0	1
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L		0.015(0.015-0.015)	2	0	0		0.023(0.015-0.023)	5	0	0

Group	Parameter	Units	Table 4-5.6. PD 728 at Foxfield Drive Dry & Wet Weather Exceedance Summary									
			PD 728 at Foxfield Drive T30 2012-13Dry					PD 728 at Foxfield Drive TS30 2012-13Wet				
			WQO	Median (range)	#samples	#exceed	#detected	WQO	Median (range)	#samples	#exceed	#detected
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L		0.835(0.835-0.835)	2	0	0		0.535(0.235-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.1225(0.08-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L		0.165(0.165-0.165)	2	0	0		0.1275(0.09-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.1175(0.07-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L		0.2075(0.165-0.25)	2	0	0		0.12(0.075-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L		0.835(0.835-0.835)	2	0	0		0.475(0.115-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L		0.835(0.835-0.835)	2	0	0		0.4775(0.12-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L		0.165(0.165-0.165)	2	0	0		0.255(0.165-0.255)	5	0	0
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L		1.665(1.665-1.665)	2	0	0		0.9025(0.14-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L		0.835(0.835-0.835)	2	0	0		0.4825(0.13-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L		0.5(0.5-0.5)	2	0	0		0.6(0.5-0.7)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L		0.835(0.835-0.835)	2	0	0		0.485(0.135-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L		0.835(0.835-0.835)	2	0	0		0.485(0.135-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L		0.165(0.165-0.165)	2	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L		0.335(0.335-0.335)	2	0	0		0.24(0.145-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L		0.335(0.335-0.335)	2	0	0		0.2425(0.15-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L		0.835(0.835-0.835)	2	0	0		0.58(0.325-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L		0.335(0.335-0.335)	2	0	0		0.2275(0.12-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L		0.335(0.335-0.335)	2	0	0		0.2475(0.16-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L		1.665(1.665-1.665)	2	0	0		0.89(0.115-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L		0.835(0.835-0.835)	2	0	0		0.48(0.125-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L		0.835(0.835-0.835)	2	0	0		0.48(0.125-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L		0.165(0.165-0.165)	2	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L		0.335(0.335-0.335)	2	0	0		0.2475(0.16-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexl) phthalate	ug/L		0.835(0.835-0.835)	2	0	0		0.835(0-2.3)	6	0	1
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		0.895(0-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L		0.835(0.835-0.835)	2	0	0		0.4875(0.14-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.013(0.0095-0.0165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L		0.335(0.335-0.335)	2	0	0		0.2375(0-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L		0.335(0.335-0.335)	2	0	0		0.2325(0.13-0.335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.00665(0-0.0085)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L		0.0165(0.0165-0.0165)	2	0	0		0.012(0.0075-0.0165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L		0.835(0.835-0.835)	2	0	0		0.59(0.345-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.16(0.155-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L		0.165(0.165-0.165)	2	0	0		0.155(0.145-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L		0.165(0.165-0.165)	2	0	0		0.1575(0.15-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.01(0.0085-0.0115)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L		0.165(0.165-0.165)	2	0	0		0.145(0.125-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L		0.835(0.835-0.835)	2	0	0		0.4775(0.12-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L		0.835(0.835-0.835)	2	0	0		0.4975(0.16-0.835)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L		0.165(0.165-0.165)	2	0	0		0.1525(0.14-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L		0.0335(0.0335-0.0335)	2	0	0		0.0189(0-0.0335)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L		0.165(0.165-0.165)	2	0	0		0.1575(0.15-0.165)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.00725(0-0.0085)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L		0.0085(0.0085-0.0085)	2	0	0		0.0075(0-0.0085)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		0.905(0-1.665)	6	0	0
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L		1.665(1.665-1.665)	2	0	0		0.895(0.125-1.665)	6	0	0

WQO=Water Quality Objective

Hardness based CTR calculations were based on a minimum of the sample hardness or 400 mg/L (as per the CTR)

*Hardness was not analyzed for 2012-13Event04 due to limited sample quantity. Therefore, WQO could not be