

Table 1 (rev. 9/18/15)
Drinking Water Investigation Analytical Results, July 20, 2015
TOS, Scotia, California

Constituent	MCL ¹	Storm Drain	Gravel Bar	Eel River Surface H2O	Finished Water Tank	Raw Water Tank	143 Main-Dist. Line	School-Dist. Line
Identification No. on Figure 1		1	2	3	5	6	7	8
PAHs ² (ug/L) ³	-- ⁴	NA ⁵	NA	NA	ND ⁶	ND	ND	ND
Dioxins-TEQ ⁷ (pg/L) ⁸	30 ⁹	NA	NA	NA	0.00	0.00	0.00	0.00
General Chemistry								
Alkalinity ¹⁰ (mg/L ¹¹ CaCO ₃ ¹²)	--	160	160	120	170	170	190	210
BOD ¹³ (mg/L)	--	49	58	<2.0 ¹⁴	NA	NA	NA	NA
COD ¹⁵ (mg/L)	--	120	160	<5.0	NA	NA	NA	NA
Corrosivity ¹⁰ (Langlier)	--	+0.021	+0.21	+0.65	+0.015	-0.26	+0.25	+0.13
Hardness ¹⁶ (mg/L CaCO ₃)	--	230	240	160	220	220	210	270
pH ¹⁷ (units)	--	7.4	7.6	8.3	7.4	7.1	7.6	7.4
Tannin and Lignin ¹⁸ (mg/L)	--	7.3	8.1	<0.1	0.25	0.21	0.22	0.49
TDS ¹⁹ (mg/L)	500 ²⁰	350	350	160	220	230	230	270
TSS ²¹ (mg/L)	--	24	94	<1.0	NA	NA	NA	NA
Turbidity ²² (NTU) ²³	5 ²⁴	26	44	0.37	0.64	40	920	3.1
Total Metals²⁵ (ug/L)								
Aluminum	1,000 ²⁶	NA	NA	NA	<20	180	510	52
Antimony	6.0 ²⁶	<5.0	<5.0	<5.0	<1.0	<1.0	2.1	1.1
Arsenic	10 ²⁶	<5.0	<5.0	<5.0	<2.0	5.6	8.5	4.1
Barium	1,000 ²⁶	NA	NA	NA	430	360	590	290
Beryllium	4.0 ²⁶	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cadmium	5.0 ²⁶	<5.0	<5.0	<5.0	<1.0	<1.0	2.2	<1.0
Calcium	--	62,000	63,000	42,000	56,000	58,000	57,000	63,000
Chromium	50 ²⁶	5.6	8.1	<5.0	<1.0	<1.0	14	<1.0
Hexavalent Chromium	10 ²⁶	<5.0	<5.0	<5.0	NA	NA	NA	NA
Trivalent Chromium	--	5.6	8.1	<5.0	NA	NA	NA	NA
Cobalt	--	<5.0	<5.0	<5.0	NA	NA	NA	NA
Copper	1,000 ²⁴	NA	NA	NA	1.4	6.9	4,500	600
Iron	300 ²⁴	2,000	3,600	<15	430	7,600	140,000	93
Lead	15 ²⁷	<5.0	<5.0	<5.0	<1.0	2.4	940	2.3
Magnesium	--	18,000	19,000	13,000	19,000	19,000	18,000	28,000
Manganese	50 ²⁴	880	960	10	5,000	3,400	6,200	4,700
Mercury	2.0 ²⁶	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nickel	100 ²⁶	13	19	<5.0	9.7	4.9	21	21
Potassium	--	NA	NA	NA	2,000	2,100	2,100	2,200
Selenium	50 ²⁶	<10	<10	<10	<5.0	<5.0	<5.0	<5.0
Silver	100 ²⁴	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0
Sodium	--	NA	NA	NA	10,000	11,000	10,000	11,000
Thallium	2.0 ²⁶	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
Zinc	5,000 ²⁴	16	33	<10	8.0	290	16,000	120

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1. MCL: maximum contaminant level								
2. PAHs: Polyaromatic hydrocarbons analyzed using EPA Method No. 8270C. See laboratory report for a list of constituents and reporting limits.								
3. ug/L: micrograms per Liter								
4. --: not applicable; does not have a California MCL								
5. NA: not analyzed								
6. ND: not detected								
7. Dioxins-2005 World Health Organization (WHO)-toxicity equivalency (TEQ) analyzed using EPA Method No. 1613 PCDD/F								
8. pg/L: picograms per Liter								
9. MCL listed is for 2,3,7,8-TCDD (Tetrachlorodibenzo-p-dioxin)								
10. Alkalinity, and corrosivity analyzed using Standard Method 20 th Ed. (SM) 2320B.								
11. mg/L: milligrams per Liter								
12. CaCO3: calcium carbonate								
13. BOD: Biochemical Oxygen Demand analyzed using SM 20th Ed. 5210 B								
14. <: "less than" the stated method reporting limit								
15. Chemical Oxygen Demand analyzed using HACH 8000								
16. Hardness analyzed using SM 20th Ed. 2340 B								
17. pH analyzed using SM 20th Ed. 4500-H B								
18. Tannin and Lignins analyzed using SM 20th Ed. 5500 B								
19. TDS: total dissolved solids analyzed using SM 20th Ed. 2540 C								
20. Secondary maximum contaminant levels, "Consumer Acceptance Contaminant Level Ranges" from Table 644449-B, California Code of Regulations (CCR) Title 22, Division 4, Chapter 15, Article 16.								
21. TSS: non-filterable residue analyzed using SM 20th Ed. 2540 D								
22. Turbidity analyzed using EPA Method No. 180.1								
23. NTU: nephelometric turbidity units								
24. Secondary maximum contaminant levels, "Consumer Acceptance Contaminant Levels" from Table 644449-A, CCR Title 22, Division 4, Chapter 15, Article 16.								
25. Total metals analyzed using EPA Method No. 200.7 Rev 4.4 or 200.8 Rev 5.4								
26. Maximum contaminant levels in CCR Title 22 Div 4, Chap 15, Sect 64431-Inorganic Chemicals								
27. Action levels in CCR Title 22 Div 4, Chap 17.5, Art 3, Sect 64678								