

Table 2
Drinking Water Investigation Analytical Results, July 14-15, 2015
TOS, Scotia, California

Constituent	MCL ¹	Eel River Surface Water	Storm Drain	Gravel Bar	Booster Pump	Booster Pump ²	Raw Water	Finished Water
	Sample Date	7/14/15	7/14/15	7/14/15	7/14/15	7/15/15	7/14/15	7/14/15
Alkalinity ³ (mg/L ⁴ CaCO ₃ ⁵)	-- ⁶	130	220	240	160	150	160	170
Apparent Color ⁷ (C.U.) ⁸	15 ⁹	3.0	90	200	400	15	100	10
Corrosivity ³ (Langlier)	--	0.6	0.37	0.49	-0.39	-0.58	-0.29	-0.32
pH ¹⁰ (pH units)	--	8.2	7.6	7.7	7.1	7.0	7.2	7.1
Tannin & Lignin ¹¹ (mg/L)	--	<0.10 ¹²	4.5	2.9	0.29	0.22	0.22	0.55
TDS ¹³ (mg/L)	500-1,500 ¹⁴	160	440	460	220	200	210	230
Turbidity ¹⁵ (NTU) ¹⁶	5 ⁹	0.37	13	18	200	6.8	40	1.8
Hardness ¹⁷ (mg/L CaCO ₃)	--	160	260	270	200	180	200	210
Calcium ¹⁸ (ug/L)	--	42,000	67,000	68,000	52,000	49,000	50,000	54,000
Iron ¹⁸ (ug/L)	300 ⁹	19	3,800	6,300	34,000	1,300	5,900	660
Magnesium ¹⁸ (ug/L)	--	12,000	23,000	23,000	17,000	15,000	17,000	18,000
Manganese ¹⁸ (ug/L)	50 ⁹	0.011	3,100	4,500	1,900	600	1,200	5,900

1. MCL: maximum contaminant level
2. Booster pump sample collected on July 14, 2015 was not representative of the water being pumped through the system, the booster pump location was resampled on July 15, 2015.
3. Alkalinity, and corrosivity analyzed using Standard Method 20th Ed. (SM) 2320B.
4. mg/L: milligrams per Liter
5. CaCO₃: calcium carbonate
6. --: does not have a California MCL
7. Apparent Color analyzed using SM 2120B.
8. C.U.: color units
9. Secondary maximum contaminant levels, "Consumer Acceptance Contaminant Levels" from Table 644449-A, California Code of Regulations (CCR) Title 22, Division 4, Chapter 15, Article 16.
10. pH analyzed using SM 4500-H+B.
11. Tannin and Lignin analyzed using SM 5500B
12. <: "less than" the stated method reporting limit
13. TDS: total dissolved solids analyzed using SM 2540C
14. Secondary maximum contaminant levels, "Consumer Acceptance Contaminant Level Ranges" from Table 644449-B, CCR Title 22, Division 4, Chapter 15, Article 16.
15. Turbidity analyzed using EPA Method 180.1
16. NTU: nephelometric turbidity units
17. Hardness analyzed using SM 2340B.
18. Calcium, Iron, Magnesium, and Manganese analyzed using EPA Method 200.7 Revision 4.4