

**TABLE 1
WATER ANALYTICAL DATA - TOTAL METALS
HUMBOLDT REDWOOD COMPANY
SCOTIA SAWMILL
SCOTIA, CALIFORNIA
ANTEA GROUP PROJECT NO. 150769547A**



Sample ID	Sample Date	Aluminum ¹ (µg/L)	Calcium ¹ (µg/L)	Iron ¹ (µg/L)	Magnesium ¹ (µg/L)	Manganese ¹ (µg/L)	Potassium ¹ (µg/L)	Sodium ¹ (µg/L)	Antimony ^{2,6} (µg/L)	Arsenic ² (µg/L)	Barium ² (µg/L)	Beryllium ² (µg/L)	Cadmium ² (µg/L)	Chromium ² (µg/L)	Copper ² (µg/L)	Cobalt ² (µg/L)	Lead ² (µg/L)	Nickel ² (µg/L)	Selenium ² (µg/L)	Silver ² (µg/L)	Thallium ^{2,6} (µg/L)	Zinc ² (µg/L)	Mercury ³ (µg/L)	Hexavalent Chromium ^{4,i} (µg/L)	Trivalent Chromium ⁵ (µg/L)	
CA Title 22 Primary MCLs ^A		1,000	NE	NE	NE	NE	NE	NE	6	10	1,000	4	5	50	NE	NE	5*	100	50	NE	2	NE	2	NE	NE	
CA Title 22 Secondary MCLs ^A		200	NE	300	NE	50	NE	NE	NE	NE	NE	NE	NE	NE	1,000	NE	NE	NE	NE	100	NE	5,000	NE	NE	NE	
EPA Region 9 RSLs ^B		2000	NE	1400	NE	43	NE	NE	0.78	0.052	380	2.5	0.92	NE	80	0.6	15	NE	10	9.4	0.014	600	0.063	0.035	2,200	
Town of Scotia 2013 Consumer Confidence Report Data from Monitoring Period 1/1/12 to 12/31/12 - Sample Locations Unknown																										
The Town of Scotia ^C	03/26/06	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
The Town of Scotia ^C	03/27/07	--	--	250	--	62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
The Town of Scotia ^C	04/10/08	21	--	--	--	--	--	--	--	--	120	--	--	4.6	--	--	--	2.1	--	--	--	--	--	--	--	--
The Town of Scotia ^C	Unknown ^D	--	--	--	--	--	--	--	--	--	--	--	--	--	370^F	--	13^F	--	--	--	--	--	--	--	--	--
The lead and copper analytical results shown above are repeated identically in each annual Town of Scotia Drinking Water Consumer Confidence Report dating back to at least 2009.																										
Town of Scotia July 2015 Samples																										
Storm Drain	07/20/15	--	62,000	2,000	18,000	880	--	--	<5.0	<5.0	--	<1.0	<5.0	5.6 ^G	--	<5.0	<5.0	13	<10	<5.0	<5.0	16	<1.0	<5.0	5.6	
Gravel Bar	07/20/15	--	63,000	3,600	19,000	960	--	--	<5.0	<5.0	--	<1.0	<5.0	8.1 ^H	--	<5.0	<5.0	19	<10	<5.0	<5.0	33	<1.0	<5.0	8.1	
Eel River Surface H2O	07/20/15	--	42,000	<15	13,000	10	--	--	<5.0	<5.0	--	<1.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<1.0	<5.0	<5.0	
Finished Water Tank	07/20/15	<20	56000 ^I	430	19,000	5,000	2000 ^J	10,000	<1.0	<2.0	430	<1.0	<1.0	<1.0	1.4	--	<1.0	9.7	<5.0	<2.0	<1.0	8.0	<1.0	--	--	
Raw Water Tank	07/20/15	180	58,000	7,600	19,000	3,400	2,100	11,000	<1.0	5.6	360	<1.0	<1.0	<1.0	6.9	--	2.4	4.9	<5.0	<2.0	<1.0	290	<1.0	--	--	
143 Main-Dist. Line	07/20/15	<i>510</i>	<i>57,000</i>	<i>140,000</i>	<i>18,000</i>	<i>6,200</i>	<i>2,100</i>	<i>10,000</i>	<i>2.1</i>	<i>8.5</i>	<i>590</i>	<i><1.0</i>	<i>2.2</i>	<i>14</i>	<i>4,500</i>	--	<i>940</i>	<i>21</i>	<i><5.0</i>	<i><2.0</i>	<i><1.0</i>	<i>16,000</i>	<i><1.0</i>	--	--	
Sample 143 Main-Dist.Line is reportedly anomalous due to high turbidity and potential collection of stagnant water in the line. This line has reportedly been re-sampled and analytical results are pending.																										
School-Dist. Line	07/20/15	52	63,000	93	28,000	4,700	2,200	11,000	1.1	4.1	290	<1.0	<1.0	<1.0	600	--	2.3	21	<5.0	<2.0	<1.0	120	<1.0	--	--	
Humboldt Redwood Company July 2015 Samples																										
River Bar	7/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19	--	--	--	
Pond	7/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.4	--	--	--	
Bridge Downstream	7/16/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	
Up Eel	7/16/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	
DISCHARGE-001 ^F	07/23/15	1,300	48,000	3,100	16,000	1,200	3,800	20,000	<2.0	<5.0	190	<2.0	<5.0	<5.0	9.3	<5.0	<5.0	8.9	<10	<5.0	2.4^J	<20	<0.20	--	--	
002 ^G	07/23/15	<i>86,000</i>	<i>260,000</i>	<i>180,000</i>	<i>160,000</i>	<i>14,000</i>	<i>420,000</i>	<i>34,000</i>	<i><2.0</i>	<i>47</i>	<i>4,100</i>	<i><2.0</i>	<i><5.0</i>	<i>310</i>	<i><5.0</i>	<i>100</i>	<i><5.0</i>	<i>370</i>	<i>29</i>	<i><5.0</i>	<i><2.0</i>	<i>1,400</i>	<i><0.20</i>	--	--	
Sample 002 is considered anomalous and not representative of water released from the site. It was collected from a pond of water left by fire suppression activities that sat in direct contact with the redwood bark pile, soil, and debris for twenty six days. Evaporation and steeping in the sun caused anomalous pH and temperature readings. These unusual conditions resulted in elevated metals concentrations due to long term contact with soil at a low pH and relatively high temperature.																										
3 ^H	07/24/15	<100	33,000	<100	11,000	15	1,400	8,900	<2.0	<5.0	89	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	14	<20	<0.20	--	--	
4 ^I	07/24/15	<100	34,000	<100	11,000	14	1,300	9,600	<2.0	<5.0	92	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	14	<20	<0.20	--	--	
AB	07/24/15	<100	<500	<100	<500	<5.0	<500	<500	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<2.0	<20	<0.20	--	--	

Abbreviations:
µg/L - Micrograms per liter
EPA - Environmental Protection Agency
MCLs - Maximum Contaminant Levels
RSLs - Regional Screening Levels
AB - Ambient Blank
NE - Not established
< - Analyte not detected above laboratory reporting limit
-- - Not analyzed

Notes:
1. ICAP Metals by EPA Method 200.7 Rev 4.4 (1994) for 7/20/15, 7/23/15, 7/24/15.
2. ICP-MS Metals by EPA Method 200.8 Rev 5.4 (1994) for 7/20/15; ICAP Metals by EPA Method 200.7 Rev 4.4 (1994) for 7/6/15, 7/16/15, 7/23/15 and 7/24/15.
3. Mercury by EPA Method 245.1 Rev 3.0 (1994) for 7/20/15; ICAP Metals by EPA Method 200.7 Rev 4.4 (1994) for 7/23/15 and 7/24/15.
4. Hexavalent Chromium by Std. Meth. 20th Ed. 3500-Cr B for 7/20/15.
5. Trivalent Chromium by calculation for 7/20/15.
6. The limit listed for the 7/23/15 and 7/24/15 samples is the method detection limit (MDL). The reporting limit is 10 µg/l. Results for molybdenum and vanadium also reported by laboratory for 7/23/2015 and 7/24/2015!

Flags:
i. The hexavalent chromium analyses were requested after the official holding time had expired
ii. There were no reportable hexavalent chromium results. Therefore any reported total chromium is assumed to be trivalent chromium
iii. The matrix spike recoveries were not evaluated due to the large amount of analyte in Sample Finished Water Tank
iv. The matrix spike recoveries on Sample Finished Water Tank exceeded the upper acceptance limit
J. Estimated value

A. CA Title 22 MCLs Water Regulations
B. EPA Region 9 Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=0.1) June 2015 (revised), for tap water
C. The Town of Scotia 2013 Drinking Water Consumer Confidence Report dated July 1, 2013. All reports dated back to 2009 show identical results
D. Actual sample date unknown. Data reported in Scotia's 2012 Drinking Water Consumer Confidence Report dated July 1, 2013
E. The result reported in the table above is the 90th percentile level detected from 10 samples collected on an unknown date, as reported in note C
F. Sample collected from storm drain discharge point.
G. Sample collected from chip pile standing water.
H. Sample collected from upstream Eel River surface water.
I. Sample collected from downstream Eel River surface water.
*Cleanup objective based on the action level in CCR Title 22, Div 4, Chap 17.5, Art 3, Sect 64678

HIGHLIGHTED concentrations indicate exceedance of the CA Title 22 Primary MCL
BOLD concentrations indicate exceedance of the CA Title 22 Secondary MCL
Italicized concentrations indicate exceedance of the EPA Region 9 RSL

TABLE 1A
WATER ANALYTICAL DATA - DISSOLVED METALS
HUMBOLDT REDWOOD COMPANY
SCOTIA SAWMILL
SCOTIA, CALIFORNIA
ANTEA GROUP PROJECT NO. 150769547A



Sample ID	Sample Date	Aluminum ¹ (µg/L)	Calcium ¹ (µg/L)	Iron ¹ (µg/L)	Magnesium ¹ (µg/L)	Manganese ¹ (µg/L)	Potassium ¹ (µg/L)	Sodium ¹ (µg/L)	Antimony ^{1,2} (µg/L)	Arsenic ¹ (µg/L)	Barium ¹ (µg/L)	Beryllium ¹ (µg/L)	Cadmium ¹ (µg/L)	Chromium ¹ (µg/L)	Copper ¹ (µg/L)	Cobalt ¹ (µg/L)	Lead ¹ (µg/L)	Nickel ¹ (µg/L)	Selenium ¹ (µg/L)	Silver ¹ (µg/L)	Thallium ^{1,2} (µg/L)	Zinc ¹ (µg/L)	Mercury ¹ (µg/L)
CA Title 22 Primary MCLs ^A		1,000	NE	NE	NE	NE	NE	NE	6	10	1,000	4	5	50	NE	NE	5*	100	50	NE	2	NE	2
CA Title 22 Secondary MCLs ^A		200	NE	300	NE	50	NE	NE	NE	NE	NE	NE	NE	NE	1,000	NE	NE	NE	NE	100	NE	5,000	NE
EPA Region 9 RSLs ^B		2000	NE	1400	NE	43	NE	NE	0.78	0.052	380	2.5	0.92	NE	80	0.6	15	NE	10	9.4	0.014	600	0.063
Humboldt Redwood Company July 2015 Samples																							
DISCHARGE-001 ^C	07/23/15	170	41,000	140	14,000	1,100	3,300	20,000	<2.0	<5.0	130	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<2.0	<20	<0.20
002 ^D	07/23/15	88,000	200,000	140,000	120,000	12,000	340,000	33,000	4.7^I	32	3,400	<2.0	<5.0	270	<5.0	79	<5.0	330	<10	<5.0	<2.0	1,200	<0.20
	Sample 002 is considered anomalous and not representative of water released from the site. It was collected from a pond of water left by fire suppression activities that sat in direct contact with the redwood bark pile, soil, and debris for twenty six days. Evaporation and steeping in the sun caused anomalous pH and temperature readings. These unusual conditions resulted in elevated metals concentrations due to long term contact with soil at a low pH and relatively high temperature.																						
3 ^E	07/24/15	<100	29,000	<100	9,600	<5	1,600	8,100	<2.0	<5.0	77	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<2.0	<20	<0.20
4 ^F	07/24/15	<100	30,000	<100	9,900	<5.0	1,400	8,400	<2.0	<5.0	78	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<2.0	<20	<0.20
AB	07/24/15	<100	<500	<100	<500	<5.0	<500	<500	<2.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<2.0	<20	<0.20

Abbreviations:
µg/L - Micrograms per liter
EPA - Environmental Protection Agency
MCLs - Maximum Contaminant Levels
RSLs - Regional Screening Levels
AB - Ambient Blank
NE - Not established
< - Analyte not detected above laboratory reporting limit
-- - Not analyzed

Notes:
1. ICAP Metals by EPA Method 200.7 Rev 4.4 (1994)
2. The limit listed for the 7/23/15 and 7/24/15 samples is the method detection limit (MDL). The reporting limit is 10 µg/L. The samples were filtered outside of the 40CFR136 recommended 15 minute holding time.
Results for molybdenum and vanadium also reported by laboratory for 7/23/2015 and 7/24/2015
A. CA Title 22 MCLs Water Regulations
B. EPA Region 9 Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=0.1) June 2015 (revi:
C. Sample collected from storm drain discharge point.
D. Sample collected from chip pile standing water.
E. Sample collected from upstream Eel River surface water.
F. Sample collected from downstream Eel River surface water.
*Cleanup objective based on the action level in CCR Title 22, Div 4, Chap 17.5, Art 3, Sect 64678.

Flags:
J. Estimated value

HIGHLIGHTED concentrations indicate exceedance of the CA Title 22 Primary MCL
BOLD concentrations indicate exceedance of the CA Title 22 Secondary MCL
Italicized concentrations indicate exceedance of the EPA Region 9 RSL

TABLE 2
WATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
HUMBOLDT REDWOOD COMPANY
SCOTIA SAWMILL
SCOTIA, CALIFORNIA
ANTEA GROUP PROJECT NO. 150769547A



Sample ID	Sample Date	Naphthalene ¹ (µg/L)	2-Methylnaphthalene ¹ (µg/L)	1-Methylnaphthalene ¹ (µg/L)	Acenaphthylene ¹ (µg/L)	Acenaphthene ¹ (µg/L)	Fluorene ¹ (µg/L)	Phenanthrene ¹ (µg/L)	Anthracene ¹ (µg/L)	Fluoranthene ¹ (µg/L)	Pyrene ¹ (µg/L)	Benzo (a) Anthracene ¹ (µg/L)	Chrysene ¹ (µg/L)	Benzo (k) Fluoranthene ¹ (µg/L)	Benzo (b) Fluoranthene ¹ (µg/L)	Benzo (a) Pyrene ¹ (µg/L)	Indeno (1,2,3-c,d) Pyrene ¹ (µg/L)	Dibenz (a,h) Anthracene ¹ (µg/L)	Benzo (g,h,i) Perylene ¹ (µg/L)
CA Title 22 Primary MCLs ^A		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.2	NE	NE	NE
CA Title 22 Secondary MCLs ^A		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA Region 9 RSLs ^B		0.17	3.6	1.1	NE	53	29	NE	180	80	12	0.012	3.4	0.34	0.034	0.0034	0.034	NE	NE
Town of Scotia July 2015 Samples																			
Finished Water Tank	07/20/15	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Raw Water Tank	07/20/15	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
143 Main-Dist. Line	07/20/15	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Sample 143 Main-Dist.Line is reportedly anomalous due to high turbidity and potential collection of stagnant water in the line. This line has reportedly been re-sampled and analytical results are pending.																			
School-Dist. Line	07/20/15	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Humboldt Redwood Company July 2015 Samples																			
DISCHARGE-001 ^C	07/23/15	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
002 ^{D,2}	07/23/15	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
Sample 002 is considered anomalous and not representative of water released from the site. It was collected from a pond of water left by fire suppression activities that sat in direct contact with the redwood bark pile, soil, and debris for twenty six days. Evaporation and steeping in the sun caused anomalous pH and temperature readings. These unusual conditions resulted in elevated metals concentrations due to long term contact with soil at a low pH and relatively high temperature.																			
3 ^E	07/24/15	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
4 ^F	07/24/15	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
AB	07/24/15	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09

Abbreviations:
µg/L - Micrograms per liter
EPA - Environmental Protection Agency
MCLs - Maximum Contaminant Levels
RSLs - Regional Screening Levels
AB - Ambient Blank
NE - Not established
< - Analyte not detected above laboratory reporting limit
-- - Not analyzed

Notes:
1. EPA 8270C SIM PAHs for 7/20/15, 7/23/15, and 7/24/15
2. The laboratory diluted the sample due to an interfering compound, raising the reporting limit to 48 µg/L. The limit listed is the method detection limit (MDL)
A. CA Title 22 MCLs Drinking Water Regulations
B. EPA Region 9 Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=0.1) June 2015 (revised), for tapwater
C. Sample collected from storm drain discharge point.
D. Sample collected from chip pile standing water.
E. Sample collected from upstream Eel River surface water.
F. Sample collected from downstream Eel River surface water.

HIGHLIGHTED concentrations indicate exceedance of the CA Title 22 Primary MCL
BOLD concentrations indicate exceedance of the CA Title 22 Secondary MCL
Italicized concentrations indicate exceedance of the EPA Region 9 RSL

TABLE 3
WATER ANALYTICAL DATA - DIOXINS FURANS
HUMBOLDT REDWOOD COMPANY
SCOTIA SAWMILL
SCOTIA, CALIFORNIA
ANTEA GROUP PROJECT NO. 150769547A



Sample ID	Sample Date	2,3,7,8-TCDD ¹ (pg/L)	1,2,3,7,8-PeCDD ¹ (pg/L)	1,2,3,4,7,8-HxCDD ¹ (pg/L)	1,2,3,6,7,8-HxCDD ¹ (pg/L)	1,2,3,7,8,9-HxCDD ¹ (pg/L)	1,2,3,4,6,7,8-HpCDD ¹ (pg/L)	OCDD ¹ (pg/L)	Total TCDD ¹ (pg/L)	Total PeCDD ¹ (pg/L)	Total HxCDD ¹ (pg/L)	Total HpCDD ¹ (pg/L)	2,3,7,8-TCDF ¹ (pg/L)	1,2,3,7,8-PeCDF ¹ (pg/L)	2,3,4,7,8-PeCDF ¹ (pg/L)	1,2,3,4,7,8-HxCDF ¹ (pg/L)	1,2,3,6,7,8-HxCDF ¹ (pg/L)	2,3,4,6,7,8-HxCDF ¹ (pg/L)	1,2,3,7,8,9-HxCDF ¹ (pg/L)	1,2,3,4,6,7,8-HpCDF ¹ (pg/L)	1,2,3,4,7,8,9-HpCDF ¹ (pg/L)	OCDF ¹ (pg/L)	Total TCDF ¹ (pg/L)	Total PeCDF ¹ (pg/L)	Total HxCDF ¹ (pg/L)	Total HpCDF ¹ (pg/L)	WHO-98 Total TEQ ^{2,3,4}	WHO-05 Total TEQ ^{2,3,5}		
CA Title 22 Primary MCLs ^A		30	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA Region 9 RSLs ^B		0.120	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
WHO-98 TEF ⁶		1	1	0.1	0.1	0.1	0.01	0.0001	NA	NA	NA	NA	0.1	0.05	0.5	0.1	0.1	0.1	0.1	0.01	0.01	0.0001	NA	NA	NA	NA	NA	NA	NA	NA
WHO-05 TEF ⁷		1	1	0.1	0.1	0.1	0.01	0.0003	NA	NA	NA	NA	0.1	0.03	0.3	0.1	0.1	0.1	0.1	0.01	0.01	0.0003	NA	NA	NA	NA	NA	NA	NA	NA
Town of Scotia July 2015 Samples																														
Finished Water Tank	07/20/15	<0.475	<0.713	<1.30	<1.41	<1.25	<1.87	<3.44	<0.475	<0.713	<1.41	<1.87	<0.502	<0.553	<0.524	<1.12	<1.08	<1.22	<1.61	<1.12	<1.63	<2.38	28.7 ⁱⁱⁱ	8.49 ^{i,ii,iii}	<1.61	<1.63	NA	NA	NA	
Raw Water Tank	07/20/15	<0.751	<1.17	<1.62	<1.79	<1.58	<2.25	<4.92	<0.751	<1.17	<1.79	<2.25	<0.915	<1.20	<1.09	<0.888	<0.884	<0.940	<1.25	<1.34	<1.89	<2.27	<0.915	<1.20	<1.25	<1.89	NA	NA	NA	NA
143 Main-Dist. Line	07/20/15	<0.805	<1.45	<1.78	<1.92	<1.72	<2.41	<3.05	<0.805	<1.45	<1.92	<2.41	<0.848	<1.39	<1.36	<1.25	<1.17	<1.27	<1.69	<1.42	<1.99	<2.35	7.32	<1.39	<1.69	<1.99	NA	NA	NA	NA
Sample 143 Main-Dist. Line is reportedly anomalous due to high turbidity and potential collection of stagnant water in the line. This line has reportedly been re-sampled and analytical results are pending.																														
School-Dist. Line	07/20/15	<0.778	<1.18	<1.73	<1.94	<1.70	<1.99	<3.51	<0.778	<1.18	<1.94	<1.99	<0.912	<1.12	<1.13	<0.780	<0.784	<0.820	<1.16	<1.02	<1.37	<2.28	<0.912	<1.13	<1.16	<1.37	NA	NA	NA	NA
Humboldt Redwood Company July 2015 Samples																														
DISCHARGE-001 ^C	07/23/15	<0.433	<0.631	<1.47	<1.56	<1.40	8.45 ⁱⁱ	68.9	<0.433	<0.631	<1.56	16.0 ⁱ	<0.413	<1.16	<1.18	<0.945	<0.913	<0.930	<1.21	3.23 ⁱⁱ	<0.586	10.2 ⁱⁱ	<0.413	<1.18	3.50 ⁱⁱ	9.99 ⁱⁱ	0.125	0.141	0.141	0.141
002 ^D	07/23/15	<0.412	<1.13	<1.62	<1.84	<1.60	11.2 [*]	91.9	<0.412	<1.13	<1.84	24.1 [*]	<0.409	<1.19	<1.28	<0.854	<0.793	<0.860	<1.19	2.41 [*]	<0.550	5.71 [*]	<0.409	<1.28	1.92 [*]	6.25 [*]	0.146	0.165	0.165	0.165
Sample 002 is considered anomalous and not representative of water released from the site. It was collected from a pond of water left by fire suppression activities that sat in direct contact with the redwood bark pile, soil, and debris for twenty six days. Evaporation and steeping in the sun caused anomalous pH and temperature readings. These unusual conditions resulted in elevated metals concentrations due to long term contact with soil at a low pH and relatively high temperature.																														

Abbreviations:

pg/L - Picograms per liter
EPA - Environmental Protection Agency
MCLs - Maximum Contaminant Levels
RSLs - Regional Screening Levels
NE - Not established
< - Analyte not detected above laboratory reporting limit
-- - Not analyzed
NA - Not Applicable
WHO - World Health Organization
TEF - Toxic equivalency factor (unitless)
TEQ - 2,3,7,8-TCDD toxic equivalent
TCDD - tetrachlorodibenzofuran
PeCDD - pentachlorodibenzo-p-dioxin
HxCDD - hexachlorodibenzo-p-dioxin
HpCDD - heptachlorodibenzo-p-dioxin
OCDD - octachlorodibenzo-p-dioxin
TCDF - tetrachlorodibenzofuran
PeCDF - pentachlorodibenzofuran
HxCDF - hexachlorodibenzofuran
HpCDF - heptachlorodibenzofuran
OCDF - octachlorodibenzofuran

Notes:

- EPA 1613 D/F for 7/20/15, Frontier Analytical Laboratory Project No. 9196
 - Calculated as the sum of congener concentrations after each has been multiplied by its TEF.
 - Congeners not detected at or above the laboratory reporting limit were assigned a concentration of 0 pg/L to calculate TEQ.
 - Calculated using TEF from the WHO, 1998.
 - Calculated using TEF from the WHO, 2005.
 - TEF from the World Health Organization, 1998 (WHO-98)
 - TEF from the World Health Organization, 2005 (WHO-05)
- A. CA Title 22 MCLs Drinking Water Regulations
B. EPA Region 9 Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=0.1) June 2015 (revised), for tapwater
C. Sample collected from storm drain discharge point.
D. Sample collected from chip pile standing water.
E. Sample collected from upstream Eel River surface water.
F. Sample collected from downstream Eel River surface water.

HIGHLIGHTED concentrations indicate exceedance of the CA Title 22 Primary MCL
BOLD concentrations indicate exceedance of the CA Title 22 Secondary MCL
Italicized concentrations indicate exceedance of the EPA Region 9 RSL

Flags:

- Presence of Diphenyl Ethers
- Analyte concentration is below calibration range
- Maximum possible concentration

TABLE 4
WATER ANALYTICAL DATA - OTHER
HUMBOLDT REDWOOD COMPANY
SCOTIA SAWMILL
SCOTIA, CALIFORNIA
ANTEA GROUP PROJECT NO. 150769547A



Sample ID	Sample Date	Hardness ¹ (mg/L CaCO ₃)	Total Alkalinity ² as CaCO ₃ (mg/L)	pH ^{3,i} (pH Units)	Total Dissolved Solids ⁴ (mg/L)	Total Suspended Solids ⁵ (mg/L)	Turbidity ⁶ (NTU)	Chemical Oxygen Demand ⁷ (mg/L)	Tannin and Lignin ⁸ (mg/L)
CA Title 22 Primary MCLs ^A		NE	NE	NE	NE	NE	NE	NE	NE
CA Title 22 Secondary MCLs ^A		NE	NE	NE	500	NE	5	NE	NE
EPA Region 9 RSLs ^B		NE	NE	NE	NE	NE	NE	NE	NE
Town of Scotia 2013 Consumer Confidence Report Data from Monitoring Period 1/1/12 to 12/31/12 - Sample Location Unknown									
The Town of Scotia ^C	03/26/06	5	--	--	--	--	--	--	--
Town of Scotia July 2015 Samples									
Storm Drain	07/20/15	230	160	7.4	350	24	26	120	7.3
Gravel Bar	07/20/15	240	160	7.6	350	94	44	160	8.1
Eel River Surface H ₂ O	07/20/15	160	120	8.3	160	<1.0	0.37	<5.0	<0.10
Finished Water Tank	07/20/15	220	170	7.4	220	--	0.64	--	0.25
Raw Water Tank	07/20/15	220	170	7.1	230	--	40	--	0.21
143 Main-Dist. Line	07/20/15	210	190	7.6	230	--	920	--	0.22
	Sample 143 Main-Dist. Line is reportedly anomalous due to high turbidity and potential collection of stagnant water in the line. This line has reportedly been re-sampled and analytical results are pending.								
School-Dist. Line	07/20/15	270	210	7.4	270	--	3	--	0.49
Humboldt Redwood Company July 2015 Samples									
River Bar	7/6/2015	--	--	--	--	17	--	240 ⁱⁱ	22
Pond	7/6/2015	--	--	--	--	48	--	97 ^{iii,5}	8.6
001-Below Discharge ⁱⁱⁱ	7/15/2015	--	--	7.5	--	11	--	--	5.0
Bridge Downstream	7/16/2015	--	--	7.9	--	33	--	22	0.23
Up Eel	7/16/2015	--	--	7.9	--	5.2	--	9.8	0.23
DISCHARGE-001 ^{D*}	07/23/15	170	190	6.94	280	20	62	93	5.3
002 ^E	07/23/15	1,400	<1.0	3.86	7,430	57	149	13,000	410
	Sample 002 is considered anomalous and not representative of water released from the site. It was collected from a pond of water left by fire suppression activities that sat in direct contact with the redwood bark pile, soil, and debris for twenty six days. Evaporation and steeping in the sun caused anomalous pH and temperature readings. These unusual conditions resulted in elevated metals concentrations due to long term contact with soil at a low pH and relatively high temperature.								
3 ^F	07/24/15	120	130	8.00	170	<5	0.9	<10	<0.10
4 ^G	07/24/15	120	130	8.58	190	<5	1.4	<10	<0.10
AB	07/24/15	<3.3	1.2	--	<10	<5	--	<10	--

Abbreviations:

mg/L - Milligrams per liter
CaCO₃ - Calcium carbonate
NTU - Nephelometric Turbidity Units
EPA - Environmental Protection Agency
MCLs - Maximum Contaminant Levels
RSLs - Regional Screening Levels
AB - Ambient Blank
NE - Not established
< - Analyte not detected above laboratory reporting limit
-- - Not analyzed

Flags:

i. Samples for pH must be analyzed within 15 minutes of collection. Therefore, any sample requiring this analysis by the laboratory were analyzed past the official holding time.
ii. The COD samples were collected in HDPE and preserved upon receipt at North Coast Laboratories.
iii. The sample was received on ice with a temperature above the EPA recommended temperature of less than or equal to 6° C.
S. The matrix spike/matrix spike duplicate (MS/MSD) recoveries for sample Pond were below the acceptance limit. This may indicate a negative sample matrix interference for this analyte.
*High Relative Percent Difference (RPD) was observed for TDS in the SDUP.

Notes:

- Hardness by Std. Meth. 20th Ed. 2340 B
- Alkalinity by Std. Meth. 20th Ed. 2340 B. Results for Alkalinity as bicarbonate, carbonate, and hydroxide also reported by the laboratory for the 7/23/15 and 7/24/15 samples.
- pH by Std. Meth. 20th Ed. 4500-H B except for the samples collected 7/23/15 and 7/24/15. pH measured in the field for the 7/23/15 and 7/24/15 samples.
- Total Dissolved Solids by Std. Meth. 20th Ed. 2540 C
- Total Suspended Solids by Std. Meth. 20th Ed. 2540 D
- Turbidity by EPA 180.1 for the 7/20/15 samples. Turbidity measured in the field for the 7/23/15 and 7/24/15 samples
- Chemical Oxygen Demand by HACH 8000 except for the samples collected 7/23/15 and 7/24/15. Chemical Oxygen Demand by Std. Meth. SM5220D for the 7/23/15 and 7/24/15 samples
- Tannin and Lignin by Std. Meth. 20th Ed. 5550 B

- CA Title 22 MCLs Drinking Water Regulations
- EPA Region 9 Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=0.1) June 2015 (revised), for tapwater
- The Town of Scotia 2013 Drinking Water Consumer Confidence Report
- Sample collected from storm drain discharge point.
- Sample collected from chip pile standing water.
- Sample collected from upstream Eel River surface water.
- Sample collected from downstream Eel River surface water.

HIGHLIGHTED concentrations indicate exceedance of the CA Title 22 Primary MCL
BOLD concentrations indicate exceedance of the CA Title 22 Secondary MCL
Italicized concentrations indicate exceedance of the EPA Region 9 RSL