

Summary of Torrey Pine Needle and Fog Lab Tests

	Element	Needles Pre-fog 10/17	Average values, pines	Condensed fog 2/18	Drinking water limit	Needles post fog 5/18
1	phosphorus	554	1,000 - 2,000			717
2	potassium	4,982	3,000 - 10,000			7,124
3	iron	89	100 - 200	22.200	0.3	101
4	manganese	117	50 - 200	3.140	0.05	308
5	zinc	20	20 - 100	2.700	5.0	36
6	copper	6	5 - 30	0.189	1.0	4
7	boron	18	20 - 50	0.315		65
8	calcium	1,157	2,000 - 10,000	280.000		2,381
9	magnesium	1,337	1,000 - 5,000	463.000		1,766
10	nickel	0.20	< 100			< 0.16
11	sulfur	692	1,000 - 2,000	346.000		1,207
12	molybdenum	4	0.1 - 1			2
13	nitrogen	2.19%	0.8 - 2%			1.55%
14	chloride	15,177	<10,000		250.0	8,767
15	aluminum	49		26.000	0.2	141
16	arsenic	1.60	< 20	0.018	0.01	1.97
17	barium	1.21	< 500	0.485		2.21
18	cadmium	< 0.08	< 35			< 0.08
19	chromium	0.17	< 10			0.14
20	cobalt	0.15	< 6			< 0.13
21	lead	< 0.78	< 35			< 0.78
22	lithium	0.67	< 50			0.30
23	mercury	< 0.08				< 0.08
24	sodium	4,139	<1,000			2,502
25	selenium	1.67	< 30			< 1.23
26	silver	< 0.04	< 1			< 0.04
27	strontium	3.32	< 1,000	2.870		8.77
28	tin	< 0.70	< 63			2.10
29	titanium	5.09	< 50			4.99
30	vanadium	< 0.06	< 2			< 0.06
31	silicon	284		39.200		906
32	Silica (SiO <sub>2</sub> )			83.800		

Units are mg/kg (parts per million) on a dry weight basis except as noted.