

**Table 7-7
Summary of Surface Water Monitoring Data - Average Values**

Parameter	NB-1	NB-2	CD-1	CD-2	CD-1A	CD-2A	CN-1	CS-1	CNS-1
Start Date	6/5/1986	7/21/1986	7/21/1986	4/17/1986	9/14/1996	8/6/1997	7/18/1990	7/18/1990	7/18/1990
End Date	5/22/1997	5/22/1997	5/23/1997	5/23/1997	9/21/2010	3/24/2010	9/2/1999	9/5/1999	8/3/1999
pH (S.U.)	8.14	8.1	7.7	7.7	8.23	8.26	7.8	8.4	8.16
Max # of Observations	96	123	289	168	85	51	96	92	104
Total Dissolved Solids (mg/l)	2271.5	2300.77	1301	1536	1139	1654	972	1047.8	1098.6
Total Suspended Solids (mg/l)	9172.02	<10270.51	5945	10290	169	78	131005	115803.9	95334.6
Total Settleable Solids (mg/l)	203.08	<229.3	69	96	0.3	0.2	327	247.3	<134.6
Conductivity (µ mhos/cm)	2912.63	3066.67	1696	2207	1650	2233	1151.4	1041.3	861.32
Arsenic(mg/L)	0.002	<0.002	0.002	0.002	0.003	NA	0.024	<0.0021	<0.0023
Boron (mg/l)	0.37	<0.39	0.19	0.21	0.37	0.26	0.17	<0.189	<0.17
Calcium (mg/l)	115.55	98.72	91.25	89.55	72	153	47.6	33.5	8.5
Cadmium (mg/L)	0.002	<0.0016	0.002	0.002	<0.0005	NA	<0.002	<0.002	<0.0019
Chloride (mg/l)	181.65	<168.53	44	217	55	80	<19.6	17.14	<14.07
Fluoride (mg/l)	1.28	<1.17	1.05		1.95	1.25	ND	ND	ND
Iron (mg/l)	0.38	<0.78	0.44	0.57	0.12	0.15	<2.48	<4.84	<4.11
Total Iron (mg/l)	73.42	<94.95	29.83	31.26	3.11	1.55	632.8	419.7	444.7
Lead	0.008	<0.0089	0.009	0.008	0.003		0.028	<0.03	<0.015
Magnesium (mg/l)	29.42	27.74	21.29	19.58	18	27	6.6	4.8	<4.68
Manganese (mg/l)		<0.23				0.03	<0.286	<0.52	<0.34
Total Manganese (mg/l)	1.29	<1.36	0.12	0.17	0.03	0.03	<12.5	8.88	<8.92
Mercury		ND	NA	NA	NA	NA		ND	ND
Nitrate as N (mg/L)	9.4	8.9	11.67	15.25	4.20		<11.5	<18.91	<15.59
Potassium (mg/l)	6.7	7.3	5.5	6.8	2.3	6.8	6.5	5.98	5.4
Selenium (mg/l)	0.02	<0.016	0.004	0.003	0.009	0.010	<0.0035	<0.0026	<0.0025
Sulfate (mg/l)	1187	1139	729	697	519	891	451	317.3	292
Sodium (mg/l)	578	596	289	388	292	375	221	180.08	171
Bicarbonate as CaCO ₃ (mg/l)	167	186	153	255	290	255	169	170	152
Carbonate s CaCO ₃ (mg/l)	78.21	<56.75	0	9	13	9	<9.5	82	<65.93

*CD-1A & CD-2A are the remaining active sample points (3/04).
Dissolved unless stated otherwise