

Table 8. Laboratory Sediment Quality Data for Laurel Lake, 2002.Sediment samples collected on September 26th, 2002.

Sampling locations are illustrated in Figure 5.

ND: The analyte was not detected at or above the level of the method reporting limit.

Parameter	Units	Results	Reporting Limits
Total Nitrogen	mg/Kg	7650	4690
Total Phosphate	mg/Kg	1000.0	30
Total Petroleum Hydrocarbons	mg/Kg	ND	170
Percent Water	%	85.0	0.1
Percent Organic Content	%	14.2	0.1
Particle Size			
Gravel (>4.75 mm)	%	0.0	0.1
Coarse Sand (2.0 mm-4.75 mm)	%	0.0	0.1
Medium Sands (0.425 mm-2.0 mm)	%	23.0	0.1
Fine Sands (0.075 mm-0.425 mm)	%	25.0	0.1
Silts and Clays (<0.075 mm)	%	52.0	0.1
Total Metals			
Arsenic	mg/Kg	9.8	4.02
Cadmium	mg/Kg	ND	1.00
Chromium	mg/Kg	11.2	8.03
Copper	mg/Kg	23.5	8.03
Lead	mg/Kg	67.6	40.20
Mercury	mg/Kg	0.13	0.13
Nickel	mg/Kg	16.6	8.03
Vanadium	mg/Kg	23.7	8.03
Zinc	mg/Kg	118.0	20.10
PAHs			
2-Methylnaphthalene	µg/Kg	ND	2280
Acenaphthene	µg/Kg	ND	2280
Acenaphthylene	µg/Kg	ND	2280
Anthracene	µg/Kg	ND	2280
Benzo(a)anthracene	µg/Kg	ND	2280
Benzo(a)pyrene	µg/Kg	ND	2280
Benzo(b)fluoranthene	µg/Kg	ND	2280
Benzo(g,h,i)perylene	µg/Kg	ND	2280
Benzo(k)fluoranthene	µg/Kg	ND	2280
Chrysene	µg/Kg	ND	2280
Dibenzo(a,h)Anthracene	µg/Kg	ND	2280
Fluoranthene	µg/Kg	ND	2280
Fluorene	µg/Kg	ND	2280
Indeno(1,2,3-cd)Pyrene	µg/Kg	ND	2280
Naphthalene	µg/Kg	ND	2280
Perylene	µg/Kg	ND	2280
Phenanthrene	µg/Kg	ND	2280
Pyrene	µg/Kg	ND	2280
PCBs			
Arochlor 1016	µg/Kg	ND	226
Arochlor 1221	µg/Kg	ND	226
Arochlor 1232	µg/Kg	ND	226
Arochlor 1242	µg/Kg	ND	226
Arochlor 1248	µg/Kg	ND	226
Arochlor 1254	µg/Kg	ND	226
Arochlor 1260	µg/Kg	ND	226