

2002 Wetland and Biofilter Baseline Monitoring  
Flambeau Mining Company

SW-c1

SW-c6

Parameter	Units	June 2002							
		Wetland 1 Seep	8.5-Acre Wetland	1.7-Acre Biofilter	0.9-Acre Biofilter	Stream C	Stream C Outlet	Meadow-brook Creek	Flambeau River
Alkalinity	mg/l	29	24	16	36	34	23	88	33
Arsenic	ug/l	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7
Barium	ug/l	14	110	120	140	15	32	95	6.4
Cadmium	ug/l	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Chromium	ug/l	<0.44	0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Copper	ug/l	<2.7	<2.7	<2.7	27	30	22	<2.7	<2.7
Hardness	mg/l	36	15	14	31	22	39	69	28
Iron	mg/l	0.0096	1.0	1.6	0.10	0.22	0.19	0.27	0.22
Lead	ug/l	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
Manganese	ug/l	<2.0	4.2	3.9	3.3	6.3	8.8	45	2.2
Mercury	ug/l	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Oil & Grease	mg/l	2.5	2.3	3.5	3.5	NA	NA	NA	NA
pH, Lab	s.u.	6.5	6.8	7.6	7.4	7.0	8.3	8.2	8.2
pH, Field	s.u.	6.03	6.41	6.15	6.70	6.22	6.54	7.01	6.60
Selenium	ug/l	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Silver	ug/l	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Solids, Tot. Dis.	mg/l	74	45	57	97	120	140	140	79
Solids, Tot. Susp.	mg/l	5.0	11	9.0	12	3.0	2.0	5.0	5.0
Sulfate	mg/l	11	<5.0	<5.0	11	9.4	9.0	<5.0	<5.0
Zinc	ug/l	<10	38	42	41	64	25	25	<10
Conductivity, Lab	uS	97	62	41	160	160	210	190	91
Conductivity, Field	uS	77.8	50.7	36.6	137.5	136.3	179.1	163.6	69.6
Temperature, Field	°C	10.6	27.5	36.3	26.6	14.0	15.0	13.4	16.0

NA - Not Analyzed