Appendix B: Field Data Summary
Lava Cap Mine Remedial Investigation

Location	Sample Date	pH	Conductivity (mhos)	Temperature (deg. C)	Dissolved Oxygen (mg/L)	Redox Potential (Eh, mV)
REFERENCE 1						
1A	11/3/99	7.3	0.243	14.5	4.5	NM
1B	11/23/99	8.4	0.87	9.4	NM	NM
1B	1/28/00	8.1	0.384	14.9	0.7	275
1B	5/4/00	7.96	0.375	16	4.21	308
1B	9/14/00	8.21	0.344	18.2	0.73	14
1H	1/24/00	6.27	0.027	9.3	12.58	NM
1H	5/1/00	5.91	0.026	11.6	10.5	502
1I	1/24/00	5.77	0.001	9.3	12.55	NM
1I	5/1/00	5.84	0.026	11.1	10.75	521
1J	1/24/00	6.51	0.029	9.2	12.12	NM
1J	5/1/00	5.68	0.033	10.7	10.35	408
REFERENCE 2						
2A	10/27/99	6.17	0.065	12.3	7.35	31
2A	1/26/00	6.97	0.043	6.6	NM	228
2B	10/27/99	5.52	0.153	10.3	6.9	114
2B	1/26/00	6.85	0.045	6.7	NM	211
2B	5/2/00	6.74	0.028	10.2	11.5	352
2C	10/27/99	5.79	0.086	11.4	2.9	-52
2C	1/27/00	7.21	0.037	6.7	11	231
2G	5/2/00	6.82	0.028	10.5	10.2	555
2H	5/2/00	6.88	0.025	12.5	10.6	282
REFERENCE 3						
20	5/4/00	7.3	0.035	14.6	10.4	413
SOURCE AREA						
3A	10/25/99	7.06	0.602	14.3	3.2	-136
3A	11/8/99	6.91	0.825	13.3	4.1	-31
3A	11/15/99	6.98	0.621	13.7	3.9	NM
3A	12/17/99	7.31	0.395	13.4	2.03	429
3A	1/24/00	7.62	0.164	9.5	9.85	366
3A	1/28/00	7.07	0.369	13.1	2.5	NM

Location	Sample Date	pH	Conductivity (mhos)	Temperature (deg. C)	Dissolved Oxygen (mg/L)	Redox Potential (Eh, mV)
3A	2/22/00	6.84	0.254	10.3	6.76	197
3A	3/29/00	6.93	0.35	13.1	1.19	203
3A	5/1/00	7	0.375	13.6	5.35	129
3A	6/23/00	7.23	0.364	14.5	1.34	95
3A	7/31/00	7.5	0.352	14.2	0.81	112
3A	9/14/00	7.21	0.355	13.9	1.34	103
3B	12/17/99	7.35	0.537	12.2	4.68	415
3B	1/28/00	6.54	0.305	10.5	4.07	148
3B	2/22/00	6.54	0.184	9.3	8.15	432
3B	3/29/00	6.34	0.147	11.3	5.48	448
3B	5/1/00	6.58	0.134	11.9	8.22	339
3B	6/23/00	6.76	0.258	18.3	0.79	343
3B	7/31/00	7.62	0.368	22.2	4.77	379
3C	1/24/00	7.63	0.327	9.9	10.55	391
4A	10/19/99	7.11	0.568	13.9	NM	NM
4A	11/8/99	7.02	1.29	13	8.5	-41
4A	11/15/99	6.69	0.78	12.4	6.95	NM
4A	12/17/99	7.38	0.548	9.3	10.76	394
4A	1/25/00	6.43	0.334	9.7	10.5	NM
4A	1/28/00	7.33	0.304	10.2	10.4	279
4A	2/22/00	7.25	0.217	9.2	10.59	331
4A	3/29/00	6.95	0.08	10	10.55	NM
4A	5/2/00	6.49	0.211	11.6	10.3	165
4A	6/23/00	7.24	0.318	18.3	7.53	142
4A	7/31/00	6.85	0.401	17.7	5.44	127
4A	9/14/00	6.94	0.384	15.2	5.85	132
5A	11/9/99	6.4	1	14.5	2.12	-28
5A	1/28/00	6.11	0.94	12.8	0	263
5A	5/4/00	6.11	0.785	12.6	5.07	165
5A	9/14/00	6.47	0.608	15	0.04	94
5B	10/29/99	6.64	0.824	17.4	5.6	NM
5C	10/27/99	6.3	0.364	14.7	5	NM
5D	11/9/99	6.12	0.571	14	2.25	-33
5D	1/28/00	5.9	0.341	13.2	0.1	248

Location	Sample Date	pH	Conductivity (mhos)	Temperature (deg. C)	Dissolved Oxygen (mg/L)	Redox Potential (Eh, mV)
5D	5/5/00	6.01	0.289	13.2	5.73	393
5D	9/14/00	6.08	0.32	15.8	0.23	242
5E	11/9/99	6.64	0.642	14	2.35	-68
5E	1/28/00	6.4	0.418	12.9	0	220
5E	5/5/00	6.78	0.466	14	4.63	150
5E	9/14/00	6.6	0.393	16.7	0.1	130
5I	5/23/00	5.86	0.368	15	0.09	138
5I	9/14/00	6.57	0.329	16.3	0.29	137
6I	10/19/99	7.34	0.813	13.4	NM	NM
6I	1/25/00	6.65	0.136	9.1	8.89	NM
6K	10/19/99	7.15	0.369	14.6	NM	NM
6K	5/1/00	6.28	0.079	10.2	4.75	433
6L	1/25/00	5.82	0.099	7.6	10.57	NM
MINE AREA						
10G	10/7/99	7.25	0.26	14.6	NM	NM
10G	5/1/00	6.1	0.15	13.5	5.3	NM
10H	10/14/99	7.06	0.457	13.1	NM	NM
10I	10/20/99	6.65	0.628	16	2.6	NM
10I	12/17/99	7.39	0.409	13.5	4.09	109
10J	1/27/00	7.84	0.223	9.9	5.6	236
10J	5/1/00	7.84	0.274	16.4	5.6	NM
4C	12/17/99	7.74	0.175	7.8	10.63	263
4D	1/24/00	6.97	0.033	9.4	10.74	390
4D	5/1/00	5.87	0.028	11.5	4.2	477
LITTLE CLIPPER CREEK BELOW MINE						
11AF	10/14/99	6.62	0.527	12.4	NM	NM
11AF	5/1/00	6.63	0.307	12.6	2.98	168
11AJ	10/22/99	6.18	0.303	11.5	2.82	76
11AJ	5/1/00	6.02	0.173	11.8	5.1	285
11AK	10/22/99	6.68	0.487	12.4	2.9	-69
11AK	6/23/00	6.81	0.224	12.6	2.27	235
11AL	10/22/99	6.45	0.367	12	3.6	-100
11AL	12/17/99	6.1	0.221	11.2	2.84	420
11AL	5/1/00	6.25	0.231	11.8	5.2	403

Location	Sample Date	pH	Conductivity (mhos)	Temperature (deg. C)	Dissolved Oxygen (mg/L)	Redox Potential (Eh, mV)
11AM	10/22/99	5.91	0.172	13.2	2.92	63
11AM	5/1/00	6.15	0.114	12.9	5.9	409
11AN	10/22/99	6.12	0.276	13.1	2.55	-33
11AN	5/4/00	5.76	0.175	13.5	5.76	255
11AR	6/23/00	6.11	0.045	14.1	4.63	378
12F	10/12/99	7.62	0.562	13.8	NM	NM
12F	5/2/00	7.79	0.237	12.2	9.26	NM
12G	10/12/99	7.76	0.564	13.4	NM	NM
12G	1/25/00	5.66	0.901	NM	10.37	NM
12G	5/2/00	7.83	0.234	11.8	10.2	407
12H	10/12/99	7.85	0.554	14	NM	NM
12H	1/25/00	6.67	0.353	9.1	11.72	NM
12H	5/2/00	8.61	0.23	13.2	10.8	345
12I	10/15/99	7.14	0.357	12.5	NM	NM
12I	1/25/00	NM	NM	NM	NM	NM
12I	5/2/00	8.21	0.158	13	11.2	342
12J	10/15/99	6.3	0.343	10.9	NM	NM
12J	1/25/00	NM	NM	NM	NM	NM
12J	5/2/00	7.18	0.153	13.6	10.72	158
LOST LAKE AND DEPOSITION AREA						
11AA	10/7/99	7.46	0.264	12.7	NM	NM
11AA	5/23/00	5.5	0.168	13.7	3.14	362
11AB	10/14/99	5.57	0.182	11.6	NM	NM
11AB	5/5/00	5.55	0.113	11.5	6.13	273
11AC	10/14/99	6.43	0.362	11.9	NM	NM
11AC	5/5/00	6.31	0.214	12	5.89	225
11AD	10/14/99	6.36	0.334	13.5	NM	NM
11AD	5/5/00	6.36	0.211	12.9	8.26	462
11AE	10/14/99	4.91	0.031	11.7	NM	NM
11AE	5/2/00	4.68	0.016	11.3	7.85	482
11AG	10/15/99	4.94	0.045	12.7	NM	NM
11AG	5/2/00	4.5	0.022	11.7	8.03	496
11AH	10/18/99	5.22	0.055	12.8	NM	NM
11AH	5/4/00	4.64	0.03	12	9.37	508

Location	Sample Date	pH	Conductivity (mhos)	Temperature (deg. C)	Dissolved Oxygen (mg/L)	Redox Potential (Eh, mV)
11AI	10/18/99	5.4	0.068	13.2	NM	NM
11AI	5/4/00	4.86	0.035	12.8	9.38	476
11AO	10/25/99	6.26	0.325	12.7	3.9	78
11AO	5/1/00	7.13	0.325	12.4	5.69	271
11AP	10/25/99	6.13	0.841	12.1	3.7	-96
11AP	6/23/00	6.29	0.414	12.2	3.91	218
11AQ	11/8/99	4.97	0.074	12.2	3.75	52
11AQ	5/4/00	4.81	0.023	13.8	6.45	447
13A	11/2/99	6.95	0.694	16.6	NM	-228
13B	11/3/99	NM	NM	NM	NM	NM
13Q	5/23/00	6.46	0.418	12.6	0.01	82
13Q	9/15/00	7.01	0.343	12.2	0	71
13R	5/23/00	6.51	0.437	13	0	96
13R	9/15/00	7.21	0.252	13.4	0.02	52
14A	10/20/99	6.28	0.304	10.2	7.9	NM
14A	1/26/00	7.19	0.09	8.3	NM	262
14A	5/2/00	7.54	0.059	14.3	10.55	178
14B	10/20/99	6.12	0.274	10.6	8.2	NM
14B	1/26/00	6.9	0.096	8.3	NM	209
14B	5/2/00	6.8	0.059	14.2	10.2	188
14C	10/20/99	6.44	0.259	11.6	5.81	NM
14C	1/26/00	6.83	0.103	7.1	NM	207
14C	5/2/00	7.04	0.06	12.9	9.6	211
15A	10/22/99	7.11	0.6	11.4	8	9
15A	1/26/00	7.26	0.49	7.1	4.75	213
15A	5/3/00	7.15	0.355	15.3	5.7	314
15C	1/26/00	7.46	0.235	7.4	12.5	198
15D	1/26/00	6.96	0.177	7.7	11.2	227
15F	1/26/00	7.43	0.397	8.7	8.3	219
16A	10/29/99	7.06	0.078	12.1	6.9	117
16A	1/27/00	6.29	0.048	8.5	9	143
16A	5/3/00	5.13	0.036	16.3	9.36	334
16B	1/27/00	6.5	0.042	8.2	NM	244
16B	5/3/00	6.74	0.039	16.5	9.02	334

Location	Sample Date	pH	Conductivity (mhos)	Temperature (deg. C)	Dissolved Oxygen (mg/L)	Redox Potential (Eh, mV)
16B (6 ft below)	10/29/99	7.38	0.084	12.1	8.57	NM
16B (time 1105)	10/29/99	7.23	0.081	12.8	7.4	177
16B (time 1240)	10/29/99	7.25	0.078	13.8	8.4	NM
16C	10/29/99	7.75	0.131	14.3	7.56	39
16C	1/27/00	6.89	0.106	7.8	8.9	139
16C	5/3/00	7.98	0.066	15.6	9.47	339
DOWNGRADIENT OF LOST LAKE						
19A	10/18/99	7.08	0.235	11.2	NM	NM
19A	11/8/99	6.55	0.133	10.5	10.8	7
19A	1/25/00	NM	NM	NM	NM	NM
19A	5/4/00	7.23	0.061	11.9	11.04	159
19B	10/18/99	6.15	0.277	13.3	NM	NM
19B	10/27/99	5.97	0.276	13.1	2.6	-189
19B	11/3/99	NM	NM	NM	NM	NM
19B	1/27/00	6.01	0.165	11	2.85	163
19B	5/4/00	6.19	0.148	12	1.61	105
19C	10/18/99	6.96	0.236	11.8	NM	NM
19C	1/25/00	NM	NM	NM	NM	NM
19C	5/4/00	6.66	0.061	11.7	10.9	143
19E	5/4/00	6.66	0.053	13.2	10.5	237

NM = not measured