Foth

October 14, 2008

Mr. Phil Fauble
Division of Air and Waste
Waste and Materials Management
Wisconsin Department of Natural Resources
101 South Webster Street, GEF II
Madison, WI 53707

Dear Mr. Fauble:

RE: 2008 Monitoring Results and Copper Park Lane Work Plan

On behalf of Flambeau Mining Company (Flambeau), Foth Infrastructure & Environment, LLC (Foth) has prepared this work plan that addresses residual copper observed during supplemental sampling which Flambeau voluntarily undertook in the ditch on the north side of Copper Park Lane in the Industrial Outlot, south of the 0.9-acre Biofilter.

Along with the sampling Flambeau agreed to complete as part of Item Number 6 of the Stipulation Agreement entered into on May 31, 2007, Flambeau also completed soil, sediment and surface water sampling at supplemental locations in and around the mine site. Surface water sample locations and results are shown in Figure 1. Soil and sediment sample locations and results are shown in Figure 2. Blown-up maps focusing on the sampling locations and results around Copper Park Lane are provided as Figure 3 for surface water and Figure 4 for soil and sediment.

Sampling completed, in accordance with the 2007 Stipulation Monitoring Work Plan (December 19, 2007), included:

- Sampling sediment from six locations in the 0.9-acre Biofilter,
- Sampling sediment from six locations in the 1.7-acre constructed wetland,
- Sampling sediment from two locations in Stream C,
- Sampling sediment from three locations in the Flambeau River,
- Sampling soil at five locations around the H&H Building,
- Sampling soil at five composited locations within the area of the reclaimed Flambeau mine,
- Sampling surface water from one location in Stream A,
- Sampling surface water from one location in Stream B,
- Sampling surface water from one location in Stream C,
- Sampling surface water from one location in the ditch along Highway 27,
- Sampling surface water from one location east of Highway 27 along the rail spur, and
- Sampling surface water from three locations in the Flambeau River.

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Additionally, as part of the stipulated monitoring, crayfish and fish samples were collected from the Flambeau River in September 2008 and surface water will be obtained during a fall rain event contingent upon sufficient precipitation at the site. Results from the biota sampling and fall surface water sampling will be reported to the Parties to the Stipulation in a subsequent correspondence once all results are received.

Sampling completed as voluntary supplemental sampling included:

- Sampling soil from eight locations north and south of the former access road (Copper Park Lane),
- Sampling surface water that accumulated at three locations north and south of Copper Park Lane (four were planned but water was not available at CP-03) after a rainfall event,
- Sampling soil and surface water from two locations within the Equestrian Trailhead,
- Sampling soil and surface water from two locations within the area of the reclaimed Flambeau mine (surface water was not available at one of these locations),
- Sampling soil and surface water from nine locations north and south of the rail spur located east of the mine site,
- Sampling soil, organic material, and surface water from eight locations east of the mine site, and
- Sampling soil and surface water at two nearby representative wetlands approximately one mile north and east of the mine site, (regional samples).

All surface water samples were collected, when possible, from water that had accumulated or was flowing at each sample location after a significant rainfall event.

Sampling Methods

Soil samples were collected using a hand trowel to dig below ground surface and were collected to a depth of 4-inches. A pick was used when needed to break up consolidated material. Organic material consisted of sampling any surface organics (leaf litter, pine needles, grass, biological material, roots, etc.) at the locations along Highway 27.

Sediment samples were collected using sediment probes within the 0.9-acre Biofilter and the 1.7-acre constructed wetland. Sediment samples were collected using sediment traps in the Flambeau River. Sediment samples were collected from Stream C using a hand trowel to dig below ground surface due to dry conditions in the stream bed.

Soil, organic material, sediment, and surface water sampling results are summarized by the following areas:

- Regional (SW-GP-01, SW-L-01, S-GP-01, S-L-01),
- Stream A (SW-A1),
- Stream B (SW-B1),
- Stream C (S-C1, S-C2, SW-C5, SW-C1),
- 1.7-acre constructed wetland (SED-MSBF-1, SED-MSBF-2, SED-MSBF-3, SED-MSBF-4, SED-MSBF-5, SED-MSBF-6),
- Flambeau River (SW-1, SW-2, SW-3, S-1, S-3, S-4),
- Reclaimed Flambeau Mine (S-1013-NT, S-1014-NT, SW-1014-NT, S-SS-MS-01, S-SS-MS-02, S-SS-MS-03, S-SS-MS-04, S-SS-MS-05),
- H & H Building (S-SS-HH-1, S-SS-HH-2, S-SS-HH-3, S-SS-HH-4, S-SS-HH-5),
- Highway 27 (SW-C8, SW-27W-01, SW-27W-02, SW-27W-03, SW-27W-04, SW-27E-01, SW-27E-02, SW-27E-03, SW-27E-04, S-27W-01, S-27W-02, S-27W-03, S-27W-04, S-27E-01, S-27E- 02, S-27E- 03, S-27E- 04, S-27W-01-organics, S-27W-02-organics, S-27W-03-organics, S-27W-04-organics, S-27E-01-organics, S-27E-02-organics, S-27E-03-organics, S-27E-04-organics),
- Equestrian Trailhead (S-ET-01A, S-ET-01B, SW-ET-01a, SW-ET-01b),
- Rail Spur (SW-RR-01, SW-RR-02, SW-RR-03, SW-RR-04, SW-RR-05, SW-RR-06, SW-RR-07, SW-RR-08, SW-RR-09, S-RR-01, S-RR-02, S-RR-03, S-RR-04, S-RR-05, S-RR-06, S-RR-07, S-RR-08, S-RR-09, SW-C3),
- 0.9-acre Biofilter (BFSW-C1, BFSW-C2, S-IOBF-7, S-IOBF-8, S-IOBF-9, S-IOBF-10, S-IOBF-11, S-IOBF-12),
- Copper Park Lane (S-CP-01N, S-CP-02N, S-CP-03N, S-CP-04N, S-CP-05N, S-CP-06N, S-CP-03S, S-CP-04S, SW-CP-01, SW-CP-02, SW-CP-01, SW-CP-03, SW-CP-04)

Results

The results of the stipulated soil and sediment monitoring were presented in a letter from Flambeau to the Parties to the Stipulation on October 13, 2008. The results of the stipulated surface water monitoring were presented to the parties to the Stipulation on July 23, 2008. The results of the spring 2008 Biofilter monitoring were submitted on June 18, 2008.

The results of the stipulated monitoring as well as the voluntary supplemental monitoring are presented in Table 1. Lab reports are included in Attachment 1.

Copper results from the stipulated and additional monitoring are shown on Figures 1 and 2. The following sections discuss the results by area. Overall, the results do not indicate any significant environmental concern related to concentrations of copper in offsite areas or reclaimed areas of the mine.

Regional

Regional sample locations L-01 and GP-01 are shown on Figures 1 and 2. Copper was present in soil at 12 milligrams/kilogram (mg/kg) near County Road P/G and 17 mg/kg near the city of Ladysmith. Total copper was present in surface water at 8.9 micrograms/liter (µg/l) near County Road P/G and 20 µg/l near the city of Ladysmith.

Stream A

Surface water sample SW-A1 is shown on Figure 1. Total copper was present in surface water at SW-A1 was 3.5 µg/l.

Stream B

Surface water sample SW-B1 is shown on Figure 1. Total copper present in surface water at SW-B1 was 4.5 µg/l.

Stream C

Stream C sample locations S-C-1, S-C-2, SW-C5, and SW-C1 were sampled as part of the Stipulated monitoring and as part of the January 12, 2007 Biofilter Management Plan and are shown on Figures 1 and 2. Sediment samples were collected from locations S-C-1 and S-C-2. Copper concentrations at S-C-1, near Copper Park Lane, were 180 mg/kg. Copper concentrations at S-C-2 were 7.2 mg/kg. Surface water was collected from SW-C1 and SW-C5. Total copper in surface water ranged from 14 to 27 µg/l on April 25, 2008. These values were confirmed on June 8, 2008 when values ranged from 8.8 to 32 µg/l. Based on the surface water data the sediment is not causing any adverse effects to surface water.

1.7-acre Constructed Wetland

1.7-acre constructed wetland sediment sample locations, SED-MSBF-1 through SED-MSBF-6, are shown on Figure 2. Copper concentrations in sediment cores collected within the 1.7-acre constructed wetland ranged from 28 to 71 mg/kg. The wetland acts as a natural filter concentrating and containing sediment within the wetland and preventing movement of sediment.

Flambeau River

Flambeau River surface water and sediment locations SW-1, SW-2, SW-3, S-1, S-3, and S-4 are shown on Figures 1 and 2. Copper concentrations in sediment ranged from 8.6 mg/kg to 24 mg/kg. Total copper concentrations in surface water ranged from 2.8 µg/l to 5.6 µg/l.

Reclaimed Flambeau Mine

Sample locations S-1013-NT, S-1014-NT, SW-1014-NT, S-SS-MS-01, S-SS-MS-02, S-SS-MS-03, S-SS-MS-04, and S-SS-MS-05 are shown on Figures 1 and 2. Copper concentrations in soil ranged from 7.8 mg/kg at S-SS-MS-01 to 94 mg/kg at S-1013-NT. Surface water was collected at SW-1014-NT, total copper concentrations at this location was 11 µg/l.

H & H Building

Sample locations S-SS-HH-1, S-SS HH-2, S-SS HH-3, S-SS HH-4, and S-SS-HH-5 are shown on Figure 2. Copper concentrations in soil at these locations ranged from 54 mg/kg at S-SS-HH-5 to 290 mg/kg at S-SS-HH-4. Values at locations S-SS-HH-1, S-SS-HH-2, S-SS-HH-3, and S-SS-HH-5 were all equal to or less than 76 mg/kg. Location S-SS-HH-4 was located in a low point which does not appear to drain significantly towards the Highway 27 ditch line. Surrounding surface water results discussed in the subsequent section show the soil at the H&H Building is not adversely affecting the quality of stormwater runoff.

Highway 27

Sample locations SW-C8, SW-27W-01, SW-27W-02, SW-27W-03, SW-27W-04, SW-27E-01, SW-27E-02, SW-27E-03, SW-27E-04, S-27W-01, S-27W-02, S-27W-03, S-27W-04, S-27E-01, S-27E- 02, S-27E- 03, S-27E- 04, S-27W-01-organics, S-27W-02-organics, S-27W-03-organics, S-27W-04-organics, S-27E-01-organics, S-27E-02-organics, S-27E-03-organics, and S-27E-04-organics are shown on Figures 1 and 2. Copper concentrations in soil ranged from 13 mg/kg at S-27E-02 to 38 mg/kg at S-27E-03. Copper concentrations in the organic material tested ranged from 2.5 mg/kg at S-27W-02-organics to 180 mg/kg at S-27W-04-organics. Total copper concentrations in surface water at these locations ranged from 18 µg/l at SW-27E-04 to 100 µg/l at SW-C8. Copper from within the organic surface layer is not highly mobile and, as expected, is confirmed by surface water results in the area.

Equestrian Trailhead

Sample locations S-ET-01A, S-ET-01B, SW-ET-01a, and SW-ET-01b are shown on Figures 1 and 2. Copper concentrations in soil were 20 mg/kg and 27 mg/kg, respectively. Total copper in surface water at these locations was 6.8 µg/l and 5.1 µg/l, respectively.

Rail Spur

Sample locations SW-C3, SW-RR-01, SW-RR-02, SW-RR-03, SW-RR-04, SW-RR-05, SW-RR-06, SW-RR-07, SW-RR-08, SW-RR-09, S-RR-01, S-RR-02, S-RR-03, S-RR-04, S-RR-05, S-RR-06, S-RR-07, S-RR-08, and S-RR-09 are shown on Figures 1 and 2. Copper concentrations in soil ranged from 9.0 mg/kg at S-RR-04 to 19 mg/kg at S-RR-01 and S-RR-07. Total copper concentrations in surface water ranged from 6.6 µg/l at SW-RR-06 to 17 µg/l at SW-RR-08.

0.9-acre Biofilter

Sample locations BFSW-C1, BFSW-C2, S-IOBF-7, S-IOBF-8, S-IOBF-9, S-IOBF-10, S-IOBF-11, and S-IOBF-12 are shown on Figures 1 and 2. Copper concentrations in the sediment of the Biofilter ranged from 360 mg/kg at S-IOBF-12 and 2100 mg/kg at S-IOBF-9. Total copper in

surface water at the inlet of the Biofilter were 80 µg/l and 22 µg/l at the outlet of the Biofilter. These results confirm previous sample results from the Biofilter.

Copper Park Lane

Sample locations S-CP-01N, S-CP-02N, S-CP-03N, S-CP-04N, S-CP-05N, S-CP-06N, S-CP-03S, S-CP-04S, SW-CP-01, SW-CP-02, and SW-CP-04 are shown on Figures 1 and 2. Surface soil (0-3 inches) results at these locations ranged from 76 mg/kg at CP-05N mid slope to 890 mg/kg at CP-02N toe of slope (in the ditch) north of Copper Park Lane and 79 mg/kg at CP-04S to 83 mg/kg at CP-03S at the toe of the slope south of Copper Park Lane. Deeper samples were collected at locations CP-03N, CP-04N, CP-05N, and CP-06N. Copper concentrations at the mid slope and toe of the slope (in the ditch) north of Copper Park Lane, between 3-6 inches, ranged from 18 mg/kg to 46 mg/kg and concentrations, between 12–15 inches, ranged from 18 mg/kg to 29 mg/kg. Surface water samples were collected from locations CP-01N and CP-02N on May 3, 2008 (no sample was obtainable from CP-03S or CP-04S) concentrations were 280 µg/l and 170 µg/l, respectively. Confirmation samples were collected from CP-01N and CP-02N and a sample was obtainable from CP-04S on June 8, 2008 concentrations ranged from 26 µg/l at CP-04S to 440 µg/l and 340 µg/l at CP-01N and CP-02N, respectively.

Conclusion

Based on the results of all the sampling, water quality leaving the site has not had a significant adverse impact on Streams A, B, and C.

Based on the results, further remedial action is not required in any areas tested. Nonetheless, Flambeau wishes to undertake work in the north ditch along Copper Park Lane to eliminate any possibility that this area could be considered a potential source of copper to Stream C. Flambeau is proposing to remove surficial soils and replace with clean fill and topsoil.

Presented in the following section is further detail for the proposed work.

Work Plan

Flambeau will remove the existing topsoil and six inches of subgrade material along the ditch that borders the north side of Copper Park Lane as shown in Figure 5. The approximately 25 feet wide by 300 feet long area (approximately 7,500 square feet) will yield about 232 cubic yards of material (assuming 4 inches of existing topsoil). The excavating and loading will be performed by standard excavation and loading equipment such as a backhoe, front-end loader or bull dozer. The excavated material will be taken to an approved landfill for disposal or for beneficial re-use at the landfill.

Prior to excavation, a silt fence will be installed along the west edge of Stream C at the location shown on Figure 5 and in accordance with Specification Section 01 57 13, Attachment 2.

Clean, well graded gravel will be placed in the area of excavated subgrade to re-establish the subgrade elevations. Clean topsoil will be placed on the gravel fill to re-establish the top of topsoil elevations. The laboratory results of the material that will be used for topsoil and gravel

fill are in Attachment 3. The topsoil will be seeded and covered with an appropriate erosion control matting. The seed mix that will be used is Speedy Green. Speedy Green is a standard seed mix used by contractors in the area to establish quick stabilization for erosion control. The Speedy Green mix consists of 25% Bluegrass, 25% Red Fescue, 25% Perennial Rye, and 25% Annual Rye. All species listed are commonly used in Wisconsin Department of Transportation seed mixes.

Grading work will be performed in general accordance with Specification Section 31 22 13, Attachment 2. Temporary erosion control will be performed in general accordance to Specification Section 01 57 13, Attachment 3.

It is anticipated that the excavation, hauling and backfilling work will take approximately one to two days. Seeding and mat placement would be completed the day after the construction work. Your prompt review of this Work Plan is appreciated so that Flambeau can complete the work this year.

Sincerely,

Foth Infrastructure & Environment, LLC

Sharon V.F. Kozicki, C.E.M., P.G.
Project Geologist

James B. Hutchison, P.E.
Senior Engineer

cc: Ms. Jana Murphy, Flambeau Mining Company
Mr. Steve Donohue, Foth Infrastructure & Environment, LLC
Mr. Hank Handzel, DeWitt, Ross & Stevens
Mr. Dave Cline, Kennecott Minerals Company
Ms. CeCe Tesky, Rusk County Zoning
Mr. Randy Tatur, Rusk County Board
Mr. Al Christianson, City of Ladysmith
Mr. Tom Reigel, Town of Grant
Mr. Jon Kleist, WDNR Ladysmith
Mr. Terry Koehn, WDNR Spooner
Ms. Ann Coakley, WDNR Rhinelander

Attachment 1 NLS Lab Reports & Chain-of-Custodies
Attachment 2 Specifications
Attachment 3 Clean Fill Test Results

Table 1
2008 Monitoring Results

	Sample ID	S-IOBF-7 (0-.12)	S-IOBF-8 (0-.25)	S-IOBF-9 (0-.19)	S-IOBF-10 (0-.2)	S-IOBF-11 (0-.15)	S-IOBF-12 (0-.17)	BFSW-C1	BFSW-C1	BFSW-C1	BFSW-C1Dup	BFSW-C2	BFSW-C2	BFSW-C2	S-MSBF-1 (0-.15)	S-MSBF-2 (0-.12)	S-MSBF-3 (0-.13)	S-MSBF-4 (0-.15)	S-MSBF-5 (0-.22)
	Collection Date	5/27/2008	5/27/2008	5/27/2008	5/27/2008	5/27/2008	5/27/2008	4/25/2008	6/8/2008	6/8/2008	4/25/2008	4/25/2008	6/8/2008	6/8/2008	8/12/2008	8/12/2008	8/12/2008	8/12/2008	8/12/2008
	Area	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	0.9-acre Biofilter	1.7-acre Constructed Wetland	1.7-acre Constructed Wetland	1.7-acre Constructed Wetland	1.7-acre Constructed Wetland	1.7-acre Constructed Wetland
	Sample Depth	0-.12'	0-.25'	0-.19'	0-.2'	0-.15'	0-.17'	NA	NA	NA	NA	NA	NA	NA	0-.15'	0-.12'	0-.13'	0-.15	0-.22'
	Matrix	SED	SED	SED	SED	SED	SED	SW	SW	SW	SW	SW	SW	SW	SED	SED	SED	SED	SED
	Batch	118737	118737	118737	118737	118737	118737	117583	119677	119016	117583	117583	119016	119677	121641	121641	121641	121641	121641
Parameter	**Units**																		
Conductivity, lab	umho@25C							88	89		87	163		98					
Copper, dis. as Cu by ICP-Trace	µg/L									55			18						
Copper, tot. recoverable as Cu by ICP	mg/Kg DWB	1500	910	2100	750	730	360								37	71	54	32	28
Copper, tot. recoverable as Cu by ICP-Trace	µg/L							80	61		71	22		8.8					
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	mg/L							30	30		30	27		19					
Iron, dis. as Fe by ICP-Trace	mg/L									0.24			0.41						
Iron, tot. recoverable as Fe by ICP	mg/Kg DWB	26000	22000	54000	24000	21000	16000								17000	25000	26000	18000	22000
Iron, tot. recoverable as Fe by ICP-Trace	mg/L							0.41		0.46	0.44	0.82	0.69						
Manganese, dis. as Mn by ICP-Trace	µg/L									5.5			21						
Manganese, tot. recoverable as Mn by ICP	mg/Kg DWB	370	380	1100	440	440	300								470	490	480	330	500
Manganese, tot. recoverable as Mn by ICP-Trace	µg/L							16			18	140							
pH, Lab	s.u.							7.63	7.58		7.59	7.63		7.31					
pH, lab (soil/sludge)	s.u. pHw																		
Solids, tot. volatile	% DWB																		
Solids, total on solids	%	51.5	51.4	16.3	41.5	29.9	42.1								14.5	15.3	15.7	20.4	21.3
Sulfate, as SO4 (unfiltered)	mg/L							6.1		5.4	6.3	7	5.7						
Sulfide as S	%																		
Zinc, dis. as Zn by ICP-Trace	µg/L												6.4 J						
Zinc, tot. recoverable as Zn by ICP	mg/Kg DWB	120	87	250	96	98	61								57	64	69	51	59
Zinc, tot. recoverable as Zn by ICP-Trace	µg/L							25	24	24	20	7.3 J		<5.0					

Prepared by: SVF
Checked by: ECB

Table 1
2008 Monitoring Results

	Sample ID	S-MSBF-6 (0-.17)	S-CP-01N-0-3"	S-CP-02N-0-3"	S-CP-03N-0-3"	S-CP-03N-3-6"	S-CP-03N-12-15"	S-CP-04N-0-3"	S-CP-04N-3-6"	S-CP-04N-12-15"	CP-05N-0-3"	CP-05N-3-6"	CP-05N-12-15"	CP-06N-0-3"	CP-06N-3-6"	CP-06N-12-15"	S-CP-03S	S-CP-04S
	Collection Date	8/12/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/10/2008	7/28/2008	7/28/2008
	Area	1.7-acre Constructed Wetland	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane
	Sample Depth	0-.17'	0-.25'	0-.25'	0-.25'	.25-.5'	1-1.25'	0-.25'	.25-.5'	1-1.25'	0-.25'	.25-.5	1-1.25'	0-.25'	.25-.5'	1-1.25'	0-.33'	0-.33'
	Matrix	SED	SED	SED	SED	SED	SED	SED	SED	SED	SO	SO	SO	SO	SO	SO	SO	SO
	Batch	121641	120241	120241	120241	120241	120241	120241	120241	120241	120241	120241	120241	120241	120241	120241	121091	121091
Parameter	**Units**																	
Conductivity, lab	umho@25C																	
Copper, dis. as Cu by ICP-Trace	µg/L																	
Copper, tot. recoverable as Cu by ICP	mg/Kg DWB	44	96	890	82	32	21	180	18	18	76	21	29	110	46	23	83	79
Copper, tot. recoverable as Cu by ICP-Trace	µg/L																	
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	mg/L																	
Iron, dis. as Fe by ICP-Trace	mg/L																	
Iron, tot. recoverable as Fe by ICP	mg/Kg DWB	21000																
Iron, tot. recoverable as Fe by ICP-Trace	mg/L																	
Manganese, dis. as Mn by ICP-Trace	µg/L																	
Manganese, tot. recoverable as Mn by ICP	mg/Kg DWB	380																
Manganese, tot. recoverable as Mn by ICP-Trace	µg/L																	
pH, Lab	s.u.																	
pH, lab (soil/sludge)	s.u. pHw		6.8	6.5	7	6.8	7	6.7	7.1	8.3	8.1	7.3	6.7	7.2	6.6	6.8	4.5	4.7
Solids, tot. volatile	% DWB																	
Solids, total on solids	%	22	72	74.3	83.7	83.5	84.7	79.5	88.3	88.6	79.2	84.2	91.4	89.5	92.3	94.9	90.5	91.4
Sulfate, as SO4 (unfiltered)	mg/L																	
Sulfide as S	%		0.03 B	0.01 B	0.01 B	<0.01	<0.01	0.01 B	<0.01	<0.01	0.01 B	0.01 B	<0.01	<0.01	0.02 B	0.01 B	0.07 B	<0.01
Zinc, dis. as Zn by ICP-Trace	µg/L																	
Zinc, tot. recoverable as Zn by ICP	mg/Kg DWB	57																
Zinc, tot. recoverable as Zn by ICP-Trace	µg/L																	

Table 1
2008 Monitoring Results

	Sample ID	SW-CP-01	SW-CP-02	SW-CP-01	SW-CP-02	SW-CP-04	S-ET-01A	S-ET-01B	SW-ET-01a	SW-ET-01b	S 1A-1D	S 3A-3D	S 4A-4D	SW-1	SW-2	SW-3	S-SS-HH-1	S-SS-HH-2	S-SS-HH-3
	Collection Date	5/3/2008	5/3/2008	6/8/2008	6/8/2008	6/8/2008	7/29/2008	7/29/2008	5/3/2008	5/3/2008	7/31/2008	7/31/2008	7/31/2008	4/25/2008	4/25/2008	4/25/2008	7/31/2008	7/31/2008	7/31/2008
	Area	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Copper Park Lane	Equestrian Trailhead	Equestrian Trailhead	Equestrian Trailhead	Equestrian Trailhead	Flambeau River	Flambeau River	Flambeau River	Flambeau River	Flambeau River	Flambeau River	H&H Building	H&H Building	H&H Building
	Sample Depth	NA	NA	NA	NA	NA	0-.33'	0-.33'	NA	NA	NA	NA	NA	NA	NA	NA	0-.33'	0-.33'	0-.33'
	Matrix	SW	SW	SW	SW	SW	SO	SO	SW	SW	SED	SED	SED	SW	SW	SW	SO	SO	SO
	Batch	117795	117795	119016	119016	119016	121091	121091	117795	117795	121189	121189	121189	117701	117701	117701	121188	121188	121188
Parameter	**Units**																		
Conductivity, lab	umho@25C	514	184	228	136	490			37	59				71	70	75			
Copper, dis. as Cu by ICP-Trace	µg/L	140	140	380	340	34			7.8	4.9									
Copper, tot. recoverable as Cu by ICP	mg/Kg DWB						20	27			8.6	17	24				76	71	70
Copper, tot. recoverable as Cu by ICP-Trace	µg/L	280	170	440	340	26			6.8	5.1				4.4	2.8 J	5.6			
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	mg/L	32	15	16	15	120			16	22				28	27	25			
Iron, dis. as Fe by ICP-Trace	mg/L	0.76	0.49	2.7	2.4	0.44			0.19	0.072 J									
Iron, tot. recoverable as Fe by ICP	mg/Kg DWB										16000	24000	22000						
Iron, tot. recoverable as Fe by ICP-Trace	mg/L	2.1	1.2	2.5	2.4	0.61			1.2	0.2				0.78	0.72	0.77			
Manganese, dis. as Mn by ICP-Trace	µg/L	18	8.4	24	25	110			5.6	1.4 J									
Manganese, tot. recoverable as Mn by ICP	mg/Kg DWB										1000	1600	1200						
Manganese, tot. recoverable as Mn by ICP-Trace	µg/L	72	26	49	40	140			23	6.5				96	88	82			
pH, Lab	s.u.	6.91	6.98	8.23	8.24	7.18			7.38	7.38				7.53	7.54	7.46			
pH, lab (soil/sludge)	s.u. pHw						6.2	6.6									5.7	5.3	5.7
Solids, tot. volatile	% DWB										<2.0	6.2	6.7						
Solids, total on solids	%						89.8	87.4			75.2	36.6	30.8				96.4	97.4	97.7
Sulfate, as SO4 (unfiltered)	mg/L	13	8.9	26	13	17			1.5	7.9				4.7 J	4.9 J	4.7 J			
Sulfide as S	%						<0.01	<0.01									<0.01	0.01 B	<0.01
Zinc, dis. as Zn by ICP-Trace	µg/L	55	26	42	39	31			11	7 J									
Zinc, tot. recoverable as Zn by ICP	mg/Kg DWB										32	80	81						
Zinc, tot. recoverable as Zn by ICP-Trace	µg/L	70	31	59	47	35			6.3 J	5				8.5 J	5.5 J	11			

Table 1
2008 Monitoring Results

	Sample ID	S-SS-HH-4	S-SS-HH-5	S-27E-01-Organics	S-27E-02-Organics	S-27E-03-Organics	S-27E-04-Organics	S-27W-01-Organics	S-27W-02-Organics	S-27W-03-Organics	S-27W-04-Organics	S-27E-01-Soil	S-27E-02-Soil	S-27E-03-Soil	S-27E-04-Soil	S-27W-01-Soil	S-27W-02-Soil	S-27W-03-Soil	S-27W-04-Soil
	Collection Date	7/31/2008	7/31/2008	7/29/2008	7/29/2008	7/29/2008	7/29/2008	7/28/2008	7/29/2008	7/29/2008	7/29/2008	7/29/2008	7/29/2008	7/29/2008	7/29/2008	7/28/2008	7/29/2008	7/29/2008	7/29/2008
	Area	H&H Building	H&H Building	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27
	Sample Depth	0-.33'	0-.33'	NA	NA	NA	NA	NA	NA	NA	NA	0-.33'	0-.33'	0-.33'	0-.33'	0-.33'	0-.33'	0-.33'	0-.33'
	Matrix	SO	SO	ORGANICS	ORGANICS	ORGANICS	ORGANICS	ORGANICS	ORGANICS	ORGANICS	ORGANICS	SO	SO	SO	SO	SO	SO	SO	SO
	Batch	121188	121188	121091	121091	121091	121091	121091	121091	121091	121091	121091	121091	121091	121091	121091	121091	121091	121091
Parameter	**Units**																		
Conductivity, lab	umho@25C																		
Copper, dis. as Cu by ICP-Trace	µg/L																		
Copper, tot. recoverable as Cu by ICP	mg/Kg DWB	290	54	10	13	66	34	4.4	2.5	56	180	17	13	38	30	14	24	25	23
Copper, tot. recoverable as Cu by ICP-Trace	µg/L																		
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	mg/L																		
Iron, dis. as Fe by ICP-Trace	mg/L																		
Iron, tot. recoverable as Fe by ICP	mg/Kg DWB																		
Iron, tot. recoverable as Fe by ICP-Trace	mg/L																		
Manganese, dis. as Mn by ICP-Trace	µg/L																		
Manganese, tot. recoverable as Mn by ICP	mg/Kg DWB																		
Manganese, tot. recoverable as Mn by ICP-Trace	µg/L																		
pH, Lab	s.u.																		
pH, lab (soil/sludge)	s.u. pHw	5.1	6.3	5.3	6.5	6.1	6.2	5.6	5.3	5.7	5.2	6.5	6.0	5.8	6.0	6.0	5.7	5.2	4.8
Solids, tot. volatile	% DWB																		
Solids, total on solids	%	92.9	95.6	35.5	40.4	24	37.1	66.4	51.6	31.5	46.4	81.3	77.7	51.2	59.6	85.7	81.2	63.8	64.5
Sulfate, as SO4 (unfiltered)	mg/L																		
Sulfide as S	%	0.01 B	<0.01	<0.01	0.01 B	0.04 B	0.02 B	<0.01	<0.01	<0.01	<0.01	0.01 B	<0.01	0.01 B	<0.01	<0.01	<0.01	0.02 B	<0.01
Zinc, dis. as Zn by ICP-Trace	µg/L																		
Zinc, tot. recoverable as Zn by ICP	mg/Kg DWB																		
Zinc, tot. recoverable as Zn by ICP-Trace	µg/L																		

Table 1
2008 Monitoring Results

	Sample ID	SW-27E-01	SW-27E-02	SW-27E-03	SW-27E-04	SW-27W-01	SW-27W-02	SW-27W-03	SW-27W-04	SW-C8	SW-C8	SW-C8	S-RR-01	S-RR-02	S-RR-03	S-RR-04	S-RR-05	S-RR-06	S-RR-07
	Collection Date	5/3/2008	5/3/2008	5/3/2008	5/3/2008	5/3/2008	5/3/2008	5/3/2008	5/3/2008	4/25/2008	6/8/2008	6/8/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008
	Area	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Hwy 27	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur
	Sample Depth	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0-.33'	0-.33'	0-.33'	0-.33'	0-.33'	0-.33'	0-.33'
	Matrix	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SO	SO	SO	SO	SO	SO	SO
	Batch	117795	117795	117795	117795	117795	117795	117795	117795	117583	119016	119677	121091	121091	121091	121091	121091	121091	121091
Parameter	**Units**																		
Conductivity, lab	umho@25C	118	106	146	121	482	421	611	444	457		22							
Copper, dis. as Cu by ICP-Trace	µg/L	23	22	23	19	24	31	33	27		110								
Copper, tot. recoverable as Cu by ICP	mg/Kg DWB												19	12	10	9	15	11	19
Copper, tot. recoverable as Cu by ICP-Trace	µg/L	25	25	22	18	33	32	34	27	33		100							
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	mg/L	5.4	6.7	6.8	6.5	11	7.4	12	18	25		12							
Iron, dis. as Fe by ICP-Trace	mg/L	0.46	0.38	0.53	0.42	0.46	0.37	0.44	0.38		2.4								
Iron, tot. recoverable as Fe by ICP	mg/Kg DWB																		
Iron, tot. recoverable as Fe by ICP-Trace	mg/L	0.6	1	0.89	0.94	1.2	0.87	0.68	0.45	0.8		2.4							
Manganese, dis. as Mn by ICP-Trace	µg/L	6.3	6.8	7.6	6.3	7.1	6.1	10	17		17								
Manganese, tot. recoverable as Mn by ICP	mg/Kg DWB																		
Manganese, tot. recoverable as Mn by ICP-Trace	µg/L	34	100	16	15	49	16	26	24	63		79							
pH, Lab	s.u.	6.69	6.74	6.79	6.84	6.69	6.7	7.07	6.39	7.19		7.1							
pH, lab (soil/sludge)	s.u. pHw												5.9	5.9	5.6	5.8	5.9	5.6	6.3
Solids, tot. volatile	% DWB																		
Solids, total on solids	%												57.2	82	73.9	72.7	85.8	82.2	87.8
Sulfate, as SO4 (unfiltered)	mg/L	6.6	6.7	6.9	5.8	8.9	8.5	12	6.5	6.9		3.6 J							
Sulfide as S	%												0.01 B	0.01 B	<0.01	0.01 B	<0.01	<0.01	<0.01
Zinc, dis. as Zn by ICP-Trace	µg/L	14	15	18	15	56	29	25	29		33								
Zinc, tot. recoverable as Zn by ICP	mg/Kg DWB																		
Zinc, tot. recoverable as Zn by ICP-Trace	µg/L	14	22	18	15	68	31	24	27	42		36							

Prepared by: SVF
Checked by: ECB

Table 1
2008 Monitoring Results

	Sample ID	S-RR-08	S-RR-09	SW-C3	SW-C3	SW-C3	SW-RR-01	SW-RR-02	SW-RR-03	SW-RR-04	SW-RR-05	SW-RR-06	SW-RR-07	SW-RR-08	SW-RR-09	S-1013-NT	S-1014-NT	S-SS-MS-1	S-SS-MS-2
	Collection Date	7/28/2008	7/28/2008	4/25/2008	6/8/2008	6/8/2008	5/4/2008	5/4/2008	5/4/2008	5/4/2008	5/4/2008	5/4/2008	5/4/2008	5/4/2008	5/4/2008	7/29/2008	7/29/2008	7/31/2008	7/31/2008
	Area	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Rail Spur	Reclaimed Flambeau Mine	Reclaimed Flambeau Mine	Reclaimed Flambeau Mine	Reclaimed Flambeau Mine
	Sample Depth	0-.33'	0-.33'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0-.33'	0-.33'	Comp: 0-.33'	Comp: 0-.33'
	Matrix	SO	SO	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SO	SO	SO	SO
	Batch	121091	121091	117701	119016	119677	117795	117795	117795	117795	117795	117795	117795	117795	117795	121091	121091	121188	121188
Parameter	**Units**																		
Conductivity, lab	umho@25C			31		29	41	34	28	25	22	25	63	53	33				
Copper, dis. as Cu by ICP-Trace	µg/L				16		11	11	7.8	5.9	8.1	6	6.5	15	6.9				
Copper, tot. recoverable as Cu by ICP	mg/Kg DWB	16	17													94	43	7.8	8.9
Copper, tot. recoverable as Cu by ICP-Trace	µg/L			6.9		9	11	8.9	7.1	9.1	9.6	6.6	8	17	7.6				
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	mg/L			11		13	9.3	9	10	9.0	8.2	9.4	21	17	12				
Iron, dis. as Fe by ICP-Trace	mg/L				0.77		0.24	0.2	0.5	0.20	0.17	0.20	0.39	0.61	0.59				
Iron, tot. recoverable as Fe by ICP	mg/Kg DWB																		
Iron, tot. recoverable as Fe by ICP-Trace	mg/L			0.72		1.1	0.39	0.38	0.85	0.64	0.56	0.49	0.62	1.3	0.96				
Manganese, dis. as Mn by ICP-Trace	µg/L				17		5.2	5.3	23	14	5.8	4.6	46	38	370				
Manganese, tot. recoverable as Mn by ICP	mg/Kg DWB																		
Manganese, tot. recoverable as Mn by ICP-Trace	µg/L			25		45	7.6	7.7	230	21	24	76	88	150	420				
pH, Lab	s.u.			6.92		6.62	6.39	6.41	6.31	6.66	6.26	6.11	6.84	6.24	6.19				
pH, lab (soil/sludge)	s.u. pHw	5.8	5.8													5.9	6.0	6.1	6
Solids, tot. volatile	% DWB																		
Solids, total on solids	%	74.6	69.1													86.2	83	89.2	93.6
Sulfate, as SO4 (unfiltered)	mg/L			3.3 J		2.6 J	<2.5	<2.5	2.7 J	2.6 J	<2.5	<2.5	<2.5	<2.5	<2.5				
Sulfide as S	%	<0.01	<0.01													<0.01	0.01 B	0.01 B	<0.01
Zinc, dis. as Zn by ICP-Trace	µg/L				11		16	14	10	6.3 J	6.9 J	10	6.1 J	25	15				
Zinc, tot. recoverable as Zn by ICP	mg/Kg DWB																		
Zinc, tot. recoverable as Zn by ICP-Trace	µg/L			9.2 J		10	15	14	13	15	7.9 J	11	5.8 J	27	16				

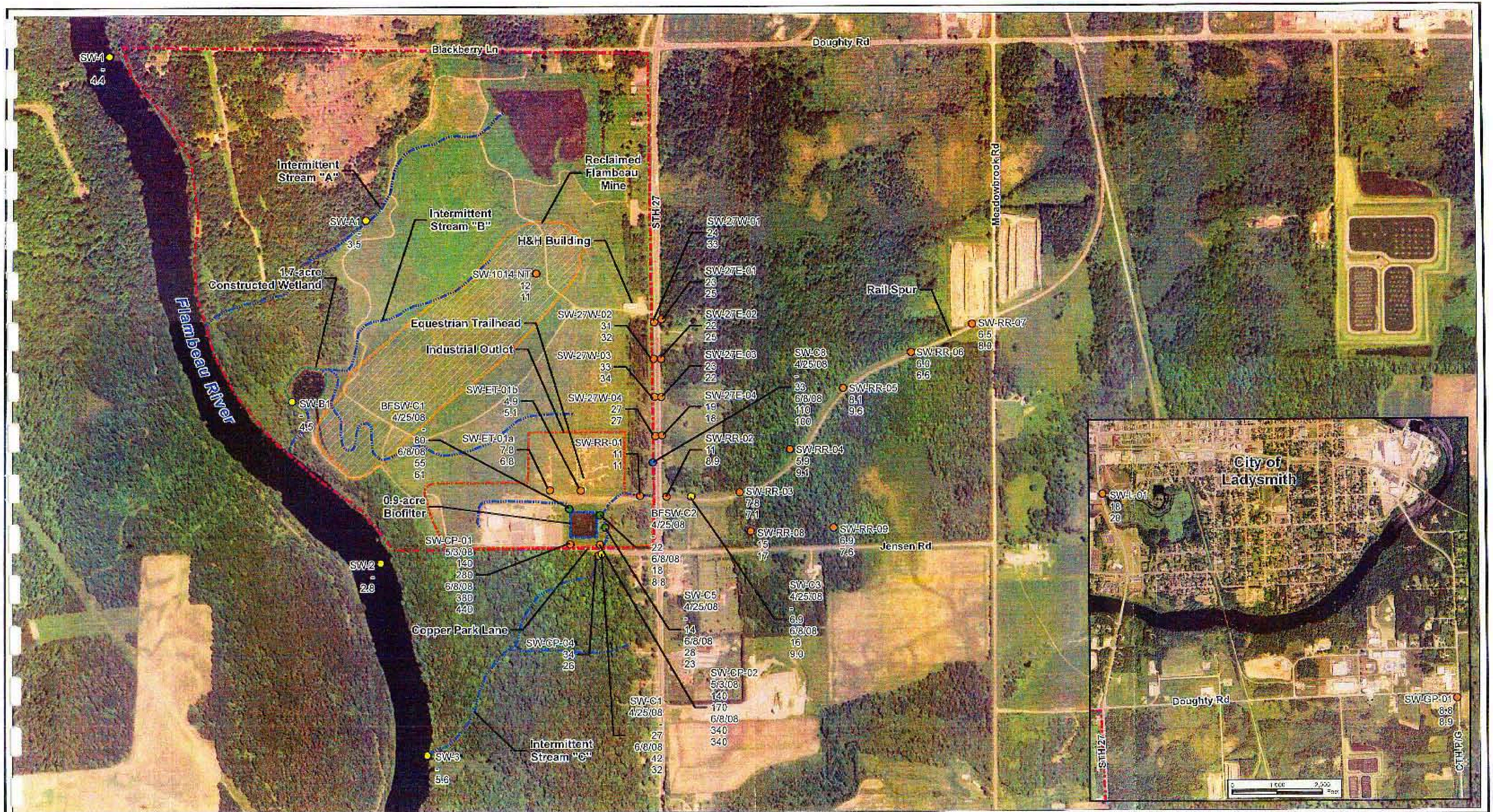
Table 1
2008 Monitoring Results

	Sample ID	S-SS-MS-3	S-SS-MS-4	S-SS-MS-5	SW-1014-NT	S-GP-01	S-L-01	SW-GP-01	SW-L-01	SW-A1	SW-B1	S-C-1	S-C-2	SW-C1	SW-C1	SW-C1	SW-C5	SW-C5	SW-C5
	Collection Date	7/31/2008	7/31/2008	7/31/2008	5/3/2008	7/29/2008	7/29/2008	5/3/2008	5/3/2008	4/25/2008	4/25/2008	5/28/2008	5/28/2008	4/25/2008	6/8/2008	6/8/2008	4/25/2008	6/8/2008	6/8/2008
	Area	Reclaimed Flambeau Mine	Reclaimed Flambeau Mine	Reclaimed Flambeau Mine	Reclaimed Flambeau Mine	Regional	Regional	Regional	Regional	Stream A	Stream B	Stream C	Stream C	Stream C	Stream C	Stream C	Stream C	Stream C	Stream C
	Sample Depth	Comp: 0-.33'	Comp: 0-.33'	Comp: 0-.33'	NA	Comp: 0-.33'	Comp: 0-.33'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Matrix	SO	SO	SO	SW	SO	SO	SW	SW	SW	SW	SED	SED	SW	SW	SW	SW	SW	SW
	Batch	121188	121188	121188	117795	121091	121091	117795	117795	117701	117701	118737	118737	117701	119016	119677	117583	119016	119677
Parameter	**Units**																		
Conductivity, lab	umho@25C				90			216	434	93	59			103		73	57		44
Copper, dis. as Cu by ICP-Trace	µg/L				12			8.8	18						42			28	
Copper, tot. recoverable as Cu by ICP	mg/Kg DWB	11	13	12		12	17					180	7.2						
Copper, tot. recoverable as Cu by ICP-Trace	µg/L				11			8.9	20	3.5 J	4.5			27		32	14		23
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	mg/L				32			18	5.8	18	22			21		16	11		11
Iron, dis. as Fe by ICP-Trace	mg/L				0.045 J			0.32	0.45						0.85			0.93	
Iron, tot. recoverable as Fe by ICP	mg/Kg DWB											20000	8400						
Iron, tot. recoverable as Fe by ICP-Trace	mg/L				0.14			3.2	1.2	1.1	0.69			0.83		1.1	0.66	1.1	
Manganese, dis. as Mn by ICP-Trace	µg/L				1.5 J			11	5.3						12			12	
Manganese, tot. recoverable as Mn by ICP	mg/Kg DWB											490	150						
Manganese, tot. recoverable as Mn by ICP-Trace	µg/L				59			95	28	81	27			20		38	17		
pH, Lab	s.u.				7.3			7.01	6.96	7.37	7.49			7.1		6.7	6.78		6.87
pH, lab (soil/sludge)	s.u. pHw	6	6	6		6.9	6.9												
Solids, tot. volatile	% DWB																		
Solids, total on solids	%	89.8	84.5	91.7		78.5	72.7					40.2	80.2						
Sulfate, as SO4 (unfiltered)	mg/L				11			4.7 J	16	<2.5	3.5 J			4.5 J		3.7 J	3.4 J	<2.5	
Sulfide as S	%	<0.01	<0.01	<0.01		0.01 B	<0.01												
Zinc, dis. as Zn by ICP-Trace	µg/L				6.8 J			26	15						39			37	
Zinc, tot. recoverable as Zn by ICP	mg/Kg DWB											330	27						
Zinc, tot. recoverable as Zn by ICP-Trace	µg/L				<5.0			37	20	7.3 J	<5.0			63		44	35		41

Notes:

dis.=Dissolved
CU = Copper
ICP = Inductively Coupled Plasma
Calc = Calculated
Unfilt = Unfiltered
Fe = Iron
Mn = Manganese
tot = total
SO_4 = Sulfate
Zn = Zinc
Umho@25C = micromhos@ 25 °Celsius
µg/L = micrograms/liter
S = Sulfur

mg/kg = milligrams/kilogram
mg/l = milligrams/liter
DWB = milligrams/kilogram
s.u - Standard Unit
% = Percent
phW = pH of water slurry from solid
(') = feet
SW = Surface Water
Sed = Sediment
SO = Soil
J = Result is between the limit of detection and limit of quantification
< = Result is less than the limit of detection
QA = Quality Assurance



NOTES

1. Aerial photography base map downloaded from USDA Geospatial Data Gateway. (2005 1 Meter NAIP Imagery)
2. Horizontal datum based on NAD 1983. Horizontal coordinates based on Wisconsin State Plane North (Feet).
3. Surface water locations SW-C1, SW-C3, BFSW-C1, BSFW-C2, SW-C5, and SW-C8 were resampled in June, 2008 to confirm results from April, 2008 and corelate to samples from CP-01, CP-02, and CP-04 sampled at the same time.

LEGEND

SW-C5 ○ Matrix-Sample Point ID
28 Dissolved Copper in Surface Water (ug/L)
23 Total Copper in Surface Water (ug/L)
Wetland Boundary
Biofilter Boundary
Industrial Outlot Boundary
Reclaimed Flambeau Mine Area
Flambeau Project Area
Intermittent Stream

Sampling Category
- Stipulated Monitoring
- Supplemental Sampling
- Biofilter Management Plan Monitoring
- Stipulated Program and Biofilter Management Plan Monitoring

Foth
Foth Infrastructure & Environment, LLC

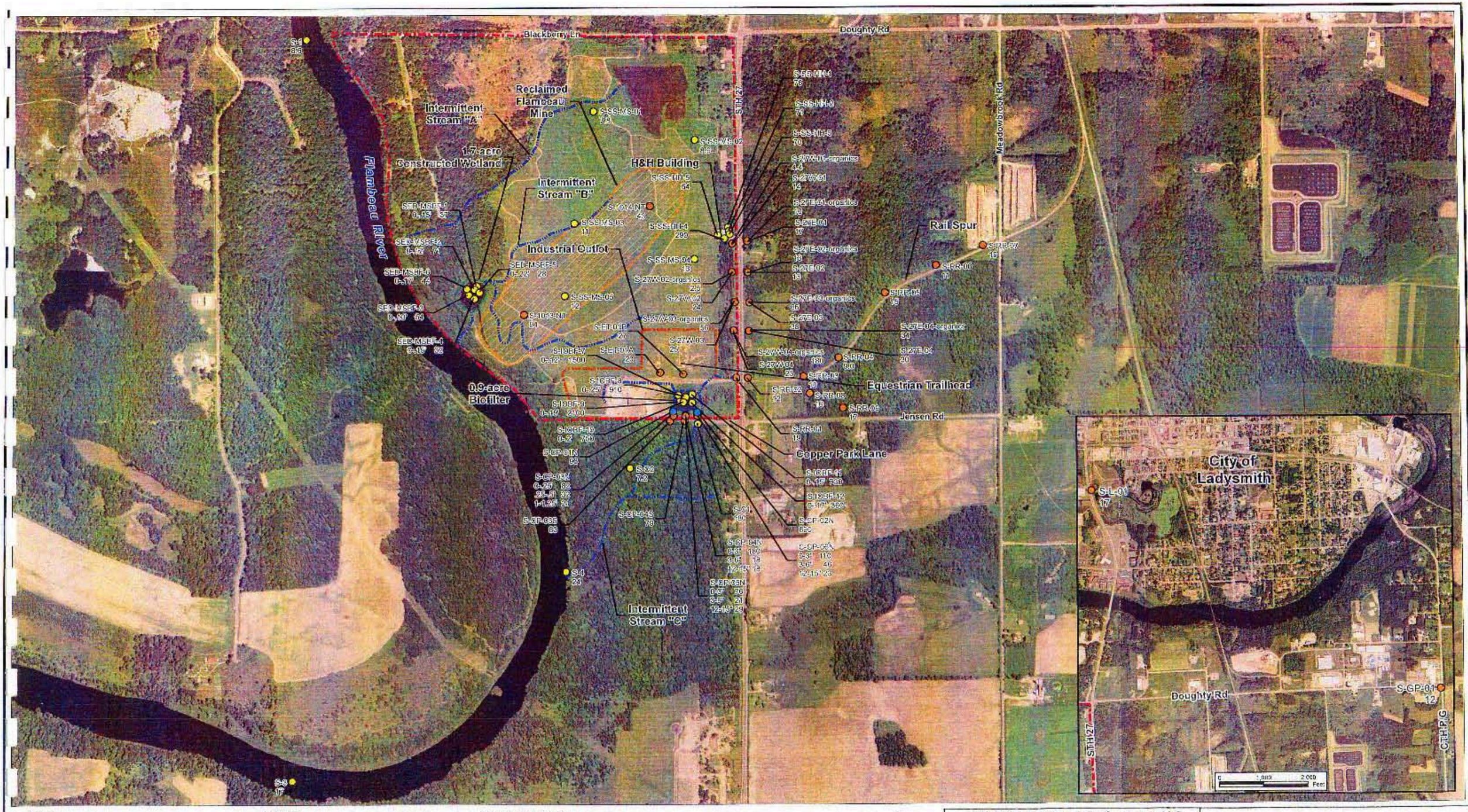
Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION
CHECKED BY: SVF		DATE: OCT. '08	
APPROVED BY: JBH1		DATE: OCT. '08	
APPROVED BY:		DATE:	

FLAMBEAU MINING COMPANY

FIGURE 1
COPPER CONCENTRATIONS IN SURFACE WATER, 2008 MONITORING

Scale: 0 350 700 Feet	Date: OCTOBER, 2008
Prepared by: RJW1	Project No: 08F777

IMF\2008\08F777\GIS\mxd\2008_SW_Field_Data_OutfallMxd October 14, 2008



NOTES

1. Aerial photography base map downloaded from USDA Geospatial Data Gateway. (2005 1 Meter NAIP Imagery)
2. Horizontal datum based on NAD 1983. Horizontal coordinates based on Wisconsin State Plane North (Feet).
3. Soil sample depth is 0.33' unless otherwise noted.

LEGEND

- S-CP-06N — Matrix-Sample Point ID
- 110 — Copper in Soil/Sediment, (mg/Kg)
- Wetland Boundary
- Biofilter Boundary
- Industrial Outlot Boundary
- Reclaimed Flambeau Mine Area
- Flambeau Project Area
- Intermittent Stream

Sampling Categories

- Stipulated Monitoring
- Supplemental Sampling

N

Foth Infrastructure & Environment, LLC

REVISED	DATE	BY	DESCRIPTION

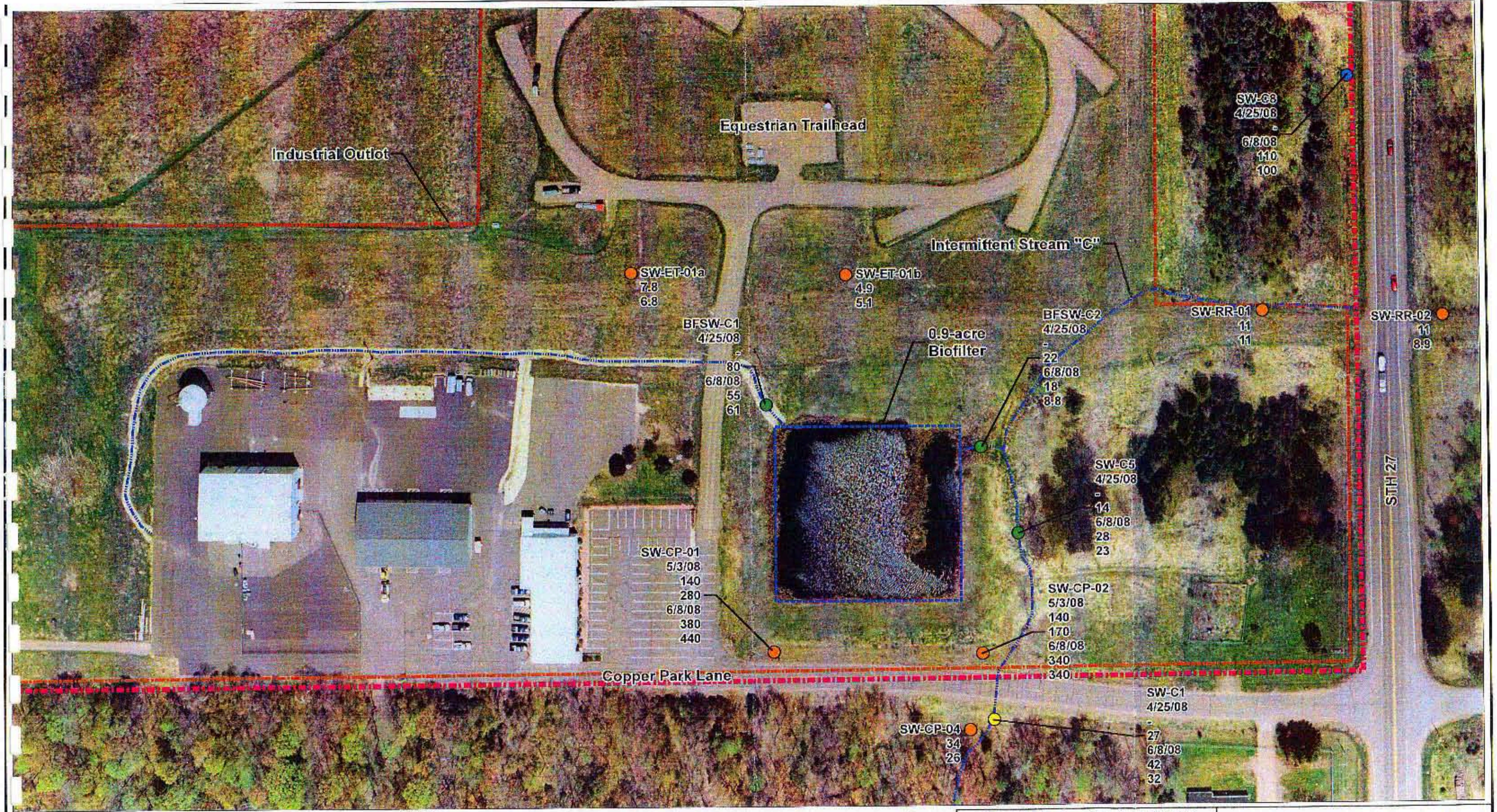
CHECKED BY:	SVF	DATE: OCT. '08
APPROVED BY:	JBHT	DATE: OCT. '08
APPROVED BY:		DATE:

FLAMBEAU MINING COMPANY

FIGURE 2
COPPER CONCENTRATIONS IN SOIL/SEDIMENTS, 2008 MONITORING

Scale: 0 450 900 Feet	Date: OCTOBER, 2008
Prepared by: BJW1	Project No: 08F777

[illegible] October 13, 2008



NOTES

1. Digital orthophoto imagery provided by Aero-Metric, Inc., Sheboygan, WI. Date of Acquisition: May 17, 2008
2. Horizontal datum based on NAD 1983. Horizontal coordinates based on Wisconsin State Plane North (Feet).
3. Surface water locations SW-C1, SW-C3, BFSW-C1, BSFW-C2, SW-C5, and SW-C8 were resampled in June, 2008 to confirm results from April, 2008 and correlate to samples from CP-01, CP-02, and CP-04 sampled at the same time.

LEGEND

SW-C5 — Matrix-Sample Point ID
28 — Dissolved Copper in Surface Water (ug/L)
23 — Total Copper in Surface Water (ug/L)

Biofilter Boundary
Industrial Outlot Boundary
Flambeau Project Area
Intermittent Stream

Sampling Category

- Stipulated Monitoring
- Supplemental Sampling
- Biofilter Management Plan Monitoring
- Stipulated Program and Biofilter Management Monitoring

N

Foth Infrastructure & Environment, LLC

REVISED	DATE	BY	DESCRIPTION

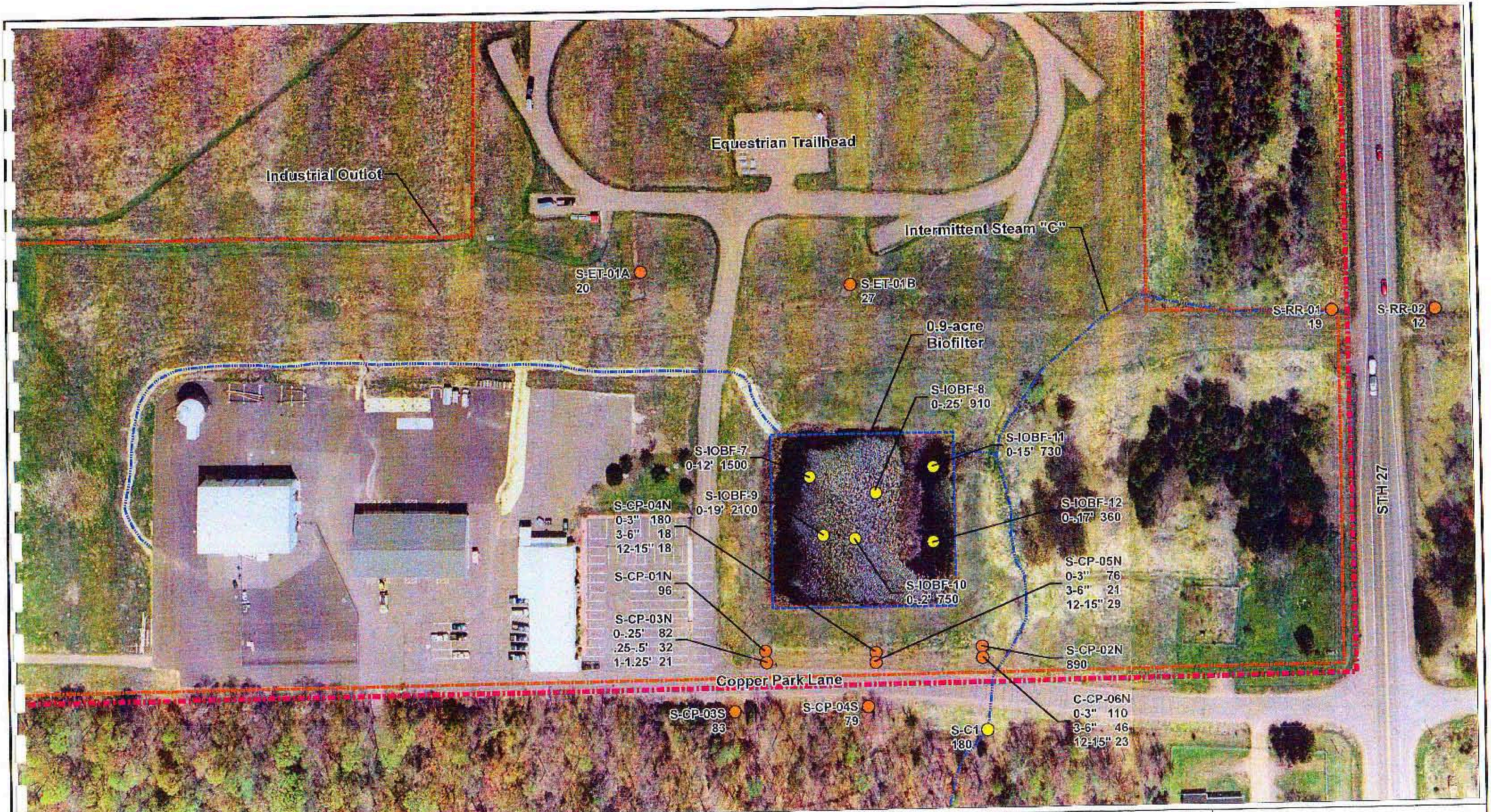
CHECKED BY:	SWF	DATE OCT. '08
APPROVED BY:	JBH	DATE OCT. '08
APPROVED BY:		DATE:

FLAMBEAU MINING COMPANY

FIGURE 3
COPPER CONCENTRATIONS
IN SURFACE WATER, 2008 MONITORING

Scale: 0 50 100 Feet
Date: OCTOBER, 2008
Prepared by: BJW1
Project No: 08F777

October 14, 2008



NOTES
1. Digital ortophoto imagery provided by Aero-Metric, Inc., Sheboygan, WI. Date of Acquisition: May 17, 2008
2. Horizontal datum based on NAD 1983. Horizontal coordinates based on Wisconsin State Plane North (Feet).
3. Soil sample depth is 0.33' unless otherwise noted.

LEGEND
S-CP-06N ○ Matrix-Sample Point ID
110 Copper in Soil/Sediment, (mg/Kg)
Biofilter Boundary
Industrial Outlot Boundary
Flambeau Project Area
Intermittent Stream

Sampling Categories
Stipulated Monitoring
Supplemental Sampling

N

Foth
Foth Infrastructure & Environment, LLC

Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION

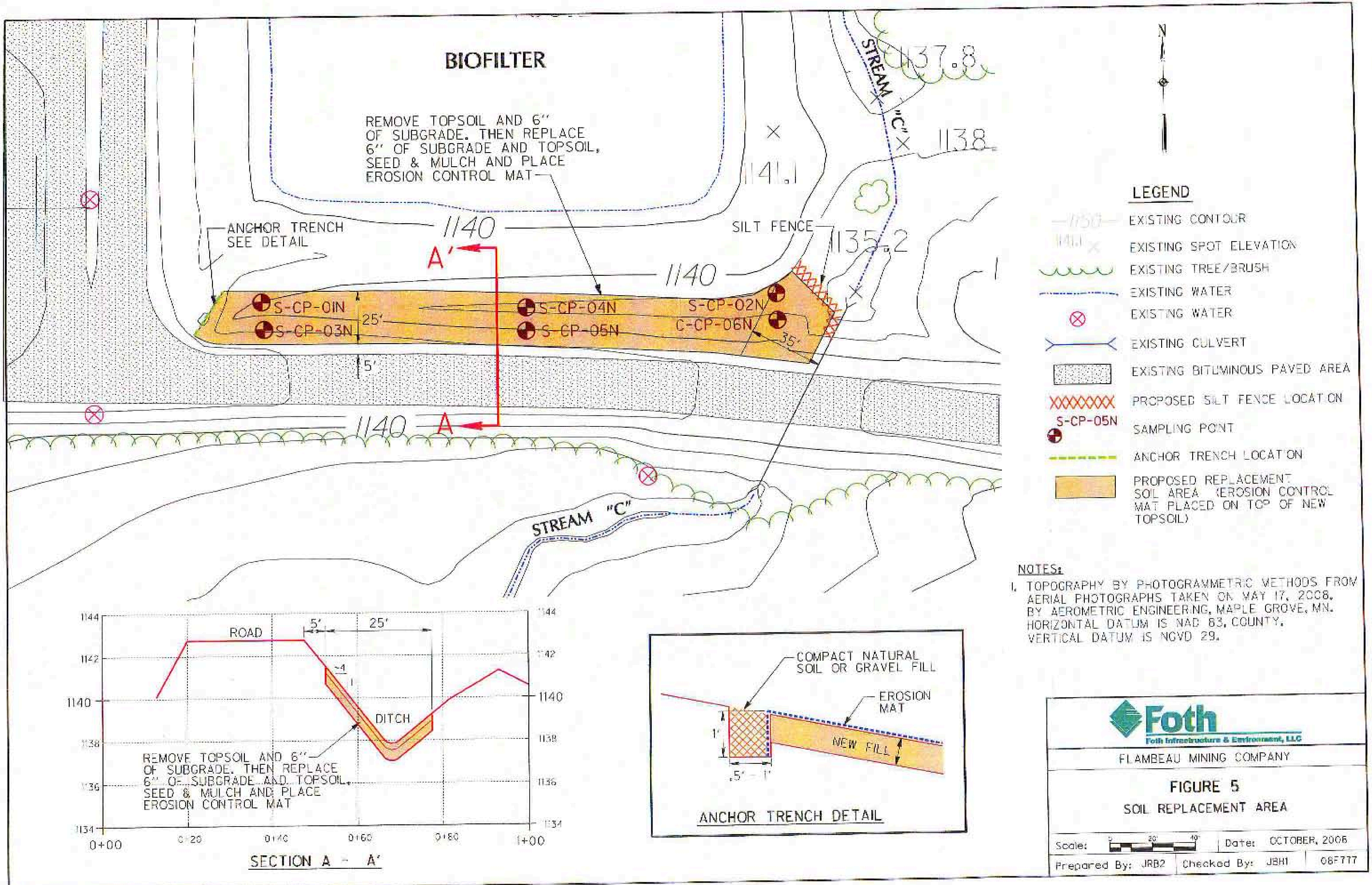
CHECKED BY:	SVF	DATE: OCT. '08
APPROVED BY:	JRH1	DATE: OCT. '08
APPROVED BY:		DATE:

FLAMBEAU MINING COMPANY

FIGURE 4
COPPER CONCENTRATIONS
IN SOIL/SEDIMENTS, 2008 MONITORING

Scale: 0 50 100 Feet	Date: OCTOBER, 2008
Prepared by: BJW1	Project No: 08F777

S:\2008\08F777-GIS\mxd\2008_SW_Field_Data_Sediment_Soil.mxd October 15, 2008


BIOFILTER
REMOVE TOPSOIL AND 6" OF SUBGRADE. THEN REPLACE 6" OF SUBGRADE AND TOPSOIL, SEED & MULCH AND PLACE EROSION CONTROL MAT
ANCHOR TRENCH SEE DETAIL
SILT FENCE
STREAM "C"
1140
1141.1
1137.8
1138.
1135.2
A'
A
S-CP-01N
S-CP-03N
S-CP-04N
S-CP-05N
S-CP-02N
C-CP-06N
25'
5'
35'
LEGEND
EXISTING CONTOUR
EXISTING SPOT ELEVATION
EXISTING TREE/BRUSH
EXISTING WATER
EXISTING WATER
EXISTING CULVERT
EXISTING BITUMINOUS PAVED AREA
PROPOSED SILT FENCE LOCATION
SAMPLING POINT
ANCHOR TRENCH LOCATION
PROPOSED REPLACEMENT SOIL AREA (EROSION CONTROL MAT PLACED ON TOP OF NEW TOPSOIL)
NOTES:
1. TOPOGRAPHY BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS TAKEN ON MAY 17, 2006. BY AEROMETRIC ENGINEERING, MAPLE GROVE, MN. HORIZONTAL DATUM IS NAD 83, COUNTY. VERTICAL DATUM IS NGVD 29.
ROAD
DITCH
REMOVE TOPSOIL AND 6" OF SUBGRADE. THEN REPLACE 6" OF SUBGRADE AND TOPSOIL, SEED & MULCH AND PLACE EROSION CONTROL MAT
1144
1142
1140
1138
1136
1134
0+00
0+20
0+40
0+60
0+80
1+00
SECTION A - A'
COMPACT NATURAL SOIL OR GRAVEL FILL
EROSION MAT
NEW FILL
1'
.5' - 1'
ANCHOR TRENCH DETAIL
Foth
Foth Infrastructure & Environment, LLC
FLAMBEAU MINING COMPANY
FIGURE 5
SOIL REPLACEMENT AREA
Scale:
Date: OCTOBER, 2006
Prepared By: JRB2
Checked By: JBH1
06F777

Attachment 1

NLS Lab Reports

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117583
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: BF Monitoring - Spring 2008

SW-C5 NLS ID: 475993
COC: 103566:1 Matrix: SW
Collected: 04/25/08 14:17 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	57	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	14	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	11	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.66	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	17	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	6.78	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[3.4]	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	35	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

BFSW-C2 NLS ID: 475994
COC: 103566:2 Matrix: SW
Collected: 04/25/08 14:25 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	163	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	22	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	27	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.82	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	140	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.63	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	7.0	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[7.3]	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

SW-C8 NLS ID: 475995
COC: 103566:3 Matrix: SW
Collected: 04/25/08 14:30 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	457	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	33	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	25	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.80	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	63	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.19	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	6.9	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	42	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

NORTHERN LAKE SERVICE, INC.
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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117583
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: BF Monitoring - Spring 2008

BFSW-C1 NLS ID: 475996
COC: 103566:4 Matrix: SW
Collected: 04/25/08 17:27 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	88	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	80	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfill/trace)	30	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.41	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	16	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.63	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	6.1	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	25	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

Equip Blank NLS ID: 475997
COC: 103566:5 Matrix: DI
Collected: 04/24/08 18:27 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	3.0	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot recoverable as Cu by ICP-Trace	[3.6]	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfill/trace)	ND	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	ND	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	5.93	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	1	0.25	0.50	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	42	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

DI Water NLS ID: 475998
COC: 103566:6 Matrix: DI
Collected: 04/24/08 18:25 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	3.0	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[2.5]	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfill/trace)	ND	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	ND	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	5.75	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	1	0.25	0.50	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

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WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117583
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: BF Monitoring - Spring 2008

BFSW-C1Dup NLS ID: 475999
COC: 103566:7 Matrix: SW
Collected: 04/25/08 17:36 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	87	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	71	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	30	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.44	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	18	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.59	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	6.3	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	20	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: _____

Authorized by:
R. T. Krueger
President

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 103566

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY	Ladysmith
STATE	WI
ZIP	54848
PROJECT DESCRIPTION / NO.	BF Monitoring - Spring 2007
QUOTATION NO.	
DNR FID #	855 034 730
DNR LICENSE #	03180
CONTACT	Jana F. Murphy
PHONE	715-532-6690
PURCHASE ORDER NO.	
FAX	715-532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		Alk	NO	Cond	Hardness	pH	Cl	NO	Sulfate				COLLECTION REMARKS (i.e. DNR Well ID #)
1.	475993	SW-C5	4-25-08	2:17pm	SW		X	X	X	X	X	X	X	X				Grab - Unfiltered
2.	475994	BFSW-C2	4-25-08	2:25pm	SW		X	X	X	X	X	X	X	X				Grab - Unfiltered
3.	475995	SW-C8	4-25-08	2:30pm	SW		X	X	X	X	X	X	X	X				Grab - Unfiltered
4.	475996	BFSW-C1	4-25-08	5:27pm	SW		X	X	X	X	X	X	X	X				Composite - Unfiltered
5.	475997	Equip-Blank	4-24-08	6:27 pm	Other-DI			X	X	X	X	X	X	X				—
6.	475998	DI Water	4-24-08	6:45 pm	Other DI		X	X	X	X	X	X	X	X				—
7.	475999	BFSW-C1 Dup	4-25-08	5:36 pm	SW		X	X	X	X	X	X	X	X				Comp - Unfiltered
8.																		
9.																		
10.																		

COLLECTED BY (signature): [signature]	CUSTODY SEAL NO. (IF ANY)	DATE/TIME: 4-25-08 3:07 pm
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature): [signature]	METHOD OF TRANSPORT: UPS Ground	DATE/TIME: 5-29-08 ~2:00 pm
RECEIVED AT NLS BY (signature): [signature]	DATE/TIME: 4/30/08	CONDITION / TEMP
COOLER #: 223	REMARKS & OTHER INFORMATION	
	WDNR FACILITY NUMBER: 855034730	E-MAIL ADDRESS: jana-murphy@[illegible]

REPORT TO: Flambeau Mining

INVOICE TO: Same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT!
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117701
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: Surface Water - Spring 2008

SW-B1 NLS ID: 476000
COC: 103567:1 Matrix: SW
Collected: 04/25/08 10:16 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	59	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	4.5	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfil/trace)	22	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.69	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	27	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.49	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[3.5]	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

SW-A1 NLS ID: 476001
COC: 103567:2 Matrix: SW
Collected: 04/25/08 10:25 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	93	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot recoverable as Cu by ICP-Trace	[3.5]	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfill/trace)	18	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.1	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	81	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.37	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[7.3]	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

SW-C1 NLS ID: 476002
COC: 103567:3 Matrix: SW
Collected: 04/25/08 10:40 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	103	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	27	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfil/trace)	21	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.83	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	20	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.10	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[4.5]	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	63	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

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Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117701
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: Surface Water - Spring 2008

SW-C3 NLS ID: 476003
COC: 103567:4 Matrix: SW
Collected: 04/25/08 10:47 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	31	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	6.9	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfil/trace)	11	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.72	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	25	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	6.92	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[3.3]	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[9.2]	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

Dipper Blank NLS ID: 476004
COC: 103567:5 Matrix: DI
Collected: 04/25/08 15:45 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	3.0	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	ND	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfil/trace)	ND	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	ND	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	5.90	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	1	0.25	0.50	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

SW-3 NLS ID: 476005
COC: 103567:6 Matrix: SW
Collected: 04/25/08 18:09 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	75	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	5.6	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfil/trace)	25	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.77	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	82	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.46	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[4.7]	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	11	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117701
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: Surface Water - Spring 2008

SW-2 NLS ID: 476006
COC: 103567:7 Matrix: SW
Collected: 04/25/08 18:24 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	70	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[2.8]	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfil/trace)	27	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.72	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	88	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.54	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[4.9]	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[5.5]	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

SW-1 NLS ID: 476007
COC: 103567:8 Matrix: SW
Collected: 04/25/08 18:48 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	71	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	4.4	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfil/trace)	28	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.78	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	96	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	7.53	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[4.7]	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[8.5]	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

SW Dup NLS ID: 476008
COC: 103567:9 Matrix: SW
Collected: 04/25/08 00:00 Received: 04/29/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	33	umho@25C	1			04/29/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	7.7	ug/L	1	1.3	4.0	05/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfil/trace)	11	mg/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.76	mg/L	1	0.033	0.10	05/12/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	24	ug/L	1	1.0*	2.0*	05/12/08	EPA 200.7	721026460
pH, Lab	6.44	s.u.	1			04/30/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[3.2]	mg/L	10	2.5	5.0	05/05/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	10	ug/L	1	5.0*	10*	05/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/30/08	EPA 200.7M	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: _____

Authorized by:
R. T. Krueger
President

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 103567

CLIENT: Flambeau Mining Co.	
ADDRESS: N4100 Hwy 27	
CITY: Ladysmith STATE: WI ZIP: 54848	
PROJECT DESCRIPTION / NO.: Surface Water - Spring 2008	QUOTATION NO.
DNR FID #: 855 034 730	DNR LICENSE #: 03180
CONTACT: Jana E. Murphy	PHONE: 715-532-6690
PURCHASE ORDER NO.	FAX: 715-532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB No.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		Cu	Zn	[illegible]	Mn	Hardness SM	Sulfate	pH	Cond				COLLECTION REMARKS (i.e. DNR Well ID #)
1.	476000	SW - B1	4-25-08	10:16 AM	SW		Y	Y	Y	Y	Y	Y	Y	Y				Grab-Unfiltered
2.	476001	SW - A1	4-25-08	10:25 am	SW		Y	Y	Y	Y	Y	Y	Y	Y				
3.	476002	SW - C1	4-25-08	10:40 am	SW		Y	Y	Y	Y	Y	Y	Y	Y				
4.	476003	SW - C3	4-25-08	10:47 am	SW		Y	Y	Y	Y	Y	Y	Y	Y				
5.	476004	Dipper Blank	4-25-08	3:45 pm	Other DI		Y	Y	Y	Y	Y	Y	Y	Y				
6.	476005	SW-3	4-25-08	6:09 pm	SW		Y	Y	Y	Y	Y	Y	Y	Y				
7.	476006	SW-2	4-25-08	6:24 pm	SW		Y	Y	Y	Y	Y	Y	Y	Y				
8.	476007	SW-1	4-25-08	6:48 pm	SW		Y	Y	Y	Y	Y	Y	Y	Y				
9.	476008	~~Field~~ SW Dup	4-25-08	—	SW		Y	Y	Y	Y	Y	Y	Y	Y				
10.																		

COLLECTED BY (signature): Jana E. Murphy, Steve Anderson	CUSTODY SEAL NO. (IF ANY)	DATE/TIME: 4-25-08
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature): Jana E. Murphy	METHOD OF TRANSPORT: UPS Ground	DATE/TIME: 4-28-08 ~ 2:00 pm

RECEIVED AT NLS BY (signature): [illegible]	DATE/TIME: 4/29/08 10:00	CONDITION: on ice	TEMP.
COOLER #: 6-89	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER: WTD988162830	E-MAIL ADDRESS: jana-murphy@clearwire.net	

REPORT TO: Flambeau Mining Co.

INVOICE TO: same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 118737
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: Sediment Samples

Soil, S-IOBF-7 (0-.12) NLS ID: 480267
Matrix: SO
Collected: 05/27/08 12:15 Received: 06/03/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	1500	mg/Kg DWB	10	1.4	4.6	06/11/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	26000	mg/Kg DWB	10	5.7	19	06/11/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	370	mg/Kg DWB	10	0.72	2.4	06/11/08	SW846 6010	721026460
Solids, total on solids	51.5	%	1	0.10*		06/03/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	120	mg/Kg DWB	10	1.2	4.0	06/11/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					06/09/08	SW846 3050M	721026460

Soil, S-IOBF-8 (0-.25) NLS ID: 480268
Matrix: SO
Collected: 05/27/08 12:20 Received: 06/03/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	910	mg/Kg DWB	10	1.4	4.9	06/11/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	22000	mg/Kg DWB	10	6.1	20	06/11/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	380	mg/Kg DWB	10	0.76	2.6	06/11/08	SW846 6010	721026460
Solids, total on solids	51.4	%	1	0.10*		06/03/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	87	mg/Kg DWB	10	1.3	4.3	06/11/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					06/09/08	SW846 3050M	721026460

Soil, S-IOBF-9 (0-.19) NLS ID: 480269
Matrix: SO
Collected: 05/27/08 12:36 Received: 06/03/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	2100	mg/Kg DWB	10	4.8	16	06/11/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	54000	mg/Kg DWB	10	20	67	06/11/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	1100	mg/Kg DWB	10	2.5	8.5	06/11/08	SW846 6010	721026460
Solids, total on solids	16.3	%	1	0.10*		06/03/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	250	mg/Kg DWB	10	4.4	14	06/11/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					06/09/08	SW846 3050M	721026460

Soil, S-IOBF-10 (0-.2) NLS ID: 480270
Matrix: SO
Collected: 05/27/08 12:45 Received: 06/03/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	750	mg/Kg DWB	10	1.6	5.5	06/11/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	24000	mg/Kg DWB	10	6.9	23	06/11/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	440	mg/Kg DWB	10	0.86	2.9	06/11/08	SW846 6010	721026460
Solids, total on solids	41.5	%	1	0.10*		06/03/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	96	mg/Kg DWB	10	1.5	4.8	06/11/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					06/09/08	SW846 3050M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 118737
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: Sediment Samples

Soil, S-IOBF-11 (0-.15) NLS ID: 480271
Matrix: SO
Collected: 05/27/08 13:00 Received: 06/03/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	730	mg/Kg DWB	2	0.46	1.6	06/11/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	21000	mg/Kg DWB	10	9.8	32	06/11/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	440	mg/Kg DWB	10	1.2	4.1	06/11/08	SW846 6010	721026460
Solids, total on solids	29.9	%	1	0.10*		06/03/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	98	mg/Kg DWB	2	0.42	1.4	06/11/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					06/09/08	SW846 3050M	721026460

Soil, S-IOBF-12 (0-.17) NLS ID: 480272
Matrix: SO
Collected: 05/27/08 12:50 Received: 06/03/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	360	mg/Kg DWB	2	0.29	1.0	06/11/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	16000	mg/Kg DWB	10	6.3	21	06/11/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	300	mg/Kg DWB	10	0.78	2.6	06/11/08	SW846 6010	721026460
Solids, total on solids	42.1	%	1	0.10*		06/03/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	61	mg/Kg DWB	2	0.27	0.88	06/11/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					06/09/08	SW846 3050M	721026460

Soil, S-C-1 NLS ID: 480273
Matrix: SO
Collected: 05/28/08 09:30 Received: 06/03/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	180	mg/Kg DWB	5	0.61	2.1	06/11/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	20000	mg/Kg DWB	10	5.2	17	06/11/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	490	mg/Kg DWB	10	0.65	2.2	06/11/08	SW846 6010	721026460
Solids, total on solids	40.2	%	1	0.10*		06/03/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	330	mg/Kg DWB	5	0.56	1.8	06/11/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					06/09/08	SW846 3050M	721026460

Soil, S-C-2 NLS ID: 480274
Matrix: SO
Collected: 05/28/08 10:30 Received: 06/03/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	7.2	mg/Kg DWB	1	0.077	0.26	06/11/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	8400	mg/Kg DWB	10	3.3	11	06/11/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	150	mg/Kg DWB	10	0.41	1.4	06/11/08	SW846 6010	721026460
Solids, total on solids	80.2	%	1	0.10*		06/03/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	27	mg/Kg DWB	1	0.070	0.23	06/11/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					06/09/08	SW846 3050M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 118737
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Project: Sediment Samples

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:

Authorized by:
R. T. Krueger
President

Foth

Foth Infrastructure & Environment, LLC

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 1 of 1

COC Number: COC-100001

Company: Flambeau Mining Company	Jana Murphy	Requested Due Date:	Quote Reference:
Address: N4100 Hwy 27	Sharon Felix sfelix@foth.com	*TAT: Std	Project Manager: Tracy Huber
Ladysmith, WI 54848	Jana Murphy		Project #:
Phone: 715-532-6690 Fax: 715-532-68			Profile #:
Email Address: jana-murphy@clearwire.net Flambeau		Regulatory Agency:	Sampling Team Members:
Site License No.: 08F777		State Location: Wisconsin	GJP, SVF

Matrix: Soil, Sediment, Solid, Surface Water, Drinking Water, Wastewater, Groundwater, Hazardous Liquid, Air, Oil, Other — SW, SE, H, A, O, X

ITEM NUMBER	SAMPLE ID	MATRIX	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: N	Cu, Fe, Mn, Zn (SW 846 EPA 6010)	Filtered (Y/N)	REMARKS / Lab ID
1	S-IOBF-7(0-.12)	SE	G	5/27/2008	1215	1	X								X		480267
2	S-IOBF-8(0-.25)	SE	G	5/27/2008	1220	1	X								X		268
3	S-IOBF-9(0-.19)	SE	G	5/27/2008	1236	1	X								X		269
4	S-IOBF-10(0-.2)	SE	G	5/27/2008	1245	1	X								X		270
5	S-IOBF-11(0-.15)	SE	C	5/27/2008	1300	1	X								X		271
6	S-IOBF-12(0-.17)	SE	G	5/27/2008	1250	1	X								X		272
7	S-C-1	SE	C	5/28/2008	0930	1	X								X		273
8	S-C-2	SE	C	5/28/2008	1030	1	X								X		274
9																	~~275~~
10																	
11																	
12																	

SHIPMENT METHOD	AIRBILL NO.	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE
				6/2/08	1600	Fed Ex	
				6/3/08	1045	- ON ICE	

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Sharon Felix

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034
Printed: 06/12/08 Code: S

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 118830
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: Resample of SW CP-01 & 02 Project #117795

Prev. 476883, SW-CP-02 NLS ID: 480567
COC: 103967(C):3 Matrix: SW
Collected: 05/03/08 12:48 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, dis. as Cu by ICP-Trace	200	ug/L	1	1.3	4.0	06/10/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	170	ug/L	1	1.3	4.0	06/10/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	15	mg/L	1	1.0*	2.0*	06/10/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.52	mg/L	1	0.033	0.10	06/10/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.7	mg/L	1	0.033	0.10	06/10/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	28	ug/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	28	ug/L	1	1.0*	2.0*	06/10/08	EPA 200.7	721026460
Zinc, dis. as Zn by ICP-Trace	29	ug/L	1	5.0*	10*	06/10/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	44	ug/L	1	5.0*	10*	06/10/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					06/05/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					06/05/08	EPA 200.7M	721026460

Prev. 476884, SW-CP-01 NLS ID: 480568
COC: 103967(C):4 Matrix: SW
Collected: 05/03/08 12:57 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, dis. as Cu by ICP-Trace	140	ug/L	1	1.3	4.0	06/10/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	280	ug/L	1	1.3	4.0	06/10/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	32	mg/L	1	1.0*	2.0*	06/10/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.72	mg/L	1	0.033	0.10	06/10/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	2.3	mg/L	1	0.033	0.10	06/10/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	18	ug/L	1	1.0*	2.0*	06/10/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	74	ug/L	1	1.0*	2.0*	06/10/08	EPA 200.7	721026460
Zinc, dis. as Zn by ICP-Trace	57	ug/L	1	5.0*	10*	06/10/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	71	ug/L	1	5.0*	10*	06/10/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					06/05/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					06/05/08	EPA 200.7M	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: Thomas Krueger

Authorized by:
R. T. Krueger
President

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NO. 10396

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	NS SW - May 08
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Jana Murphy
PHONE	715-532-6690
PURCHASE ORDER NO.	
FAX	532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	pH, Cond, Sulfate, Hardness, T Cu, Fe, Mn, Zn, Diss Cu, Fe, Mn, Zn	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	476881	SW-ET-01a	5-3-08	12:11 pm	SW		
2.	476882	SW-ET-01b	5-3-08	12:20 pm	SW		
3.	476883	SW-GP-02	5-3-08	12:48 pm	SW	Use Diss Cu	
4.	476884	SW-GP-01	5-3-08	12:57 pm	SW	Use Diss Cu	
5.	476885	SW-1014-NT	5-3-08	1:18 pm	SW		
6.	476886	SW-EE-01	5-3-08	2:12 pm	SW		
7.	476887	SW-GP-01	5-3-08	2:25 pm	SW		
8.	476888	SW-27W-01	5-3-08	2:35 pm	SW		
9.	476889	SW-27E-01	5-3-08	2:40 pm	SW		
10.	476890	SW-27W-02	5-3-08	2:54 pm	SW		

COLLECTED BY (signature) / CUSTODY SEAL NO. (IF ANY)	Jana E Murphy, Steve Anders jcm	DATE/TIME
RELINQUISHED BY (signature) / RECEIVED BY (signature)		DATE/TIME
DISPATCHED BY (signature) / METHOD OF TRANSPORT	Jana E Murphy / UPS Ground	DATE/TIME 5-5-08 2:00 pm
RECEIVED AT NLS BY (signature)	Karen Hughes	DATE/TIME 5/6/08 10:00
CONDITION	Once	TEMP.
COOLER #	48-11	
REMARKS & OTHER INFORMATION	Unfiltered - Lab filtering required	
WDNR FACILITY NUMBER		E-MAIL ADDRESS: jana-murphy@clearwire.net

REPORT TO: Flambeau Mining

INVOICE TO: same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT!

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-ET-01a NLS ID: 476881
COC: 103967:1 Matrix: SW
Collected: 05/03/08 12:11 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	37	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	7.8	ug/L	1	1.3	4.0	05/20/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	6.8	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	16	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.19	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.2	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	5.6	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	23	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	7.38	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	11	ug/L	1	5.0*	10*	05/20/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[6.3]	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-ET-01b NLS ID: 476882
COC: 103967:2 Matrix: SW
Collected: 05/03/08 12:20 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	59	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	4.9	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	5.1	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	22	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	[0.072]	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.20	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	[1.4]	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	6.5	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	7.38	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	7.9	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	[7.0]	ug/L	1	5.0*	10*	05/20/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-CP-02 NLS ID: 476883
COC: 103967:3 Matrix: SW
Collected: 05/03/08 12:48 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	184	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	140	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	170	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	15	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.49	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.2	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	8.4	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	26	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.98	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	8.9	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	26	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	31	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-CP-01 NLS ID: 476884
COC: 103967:4 Matrix: SW
Collected: 05/03/08 12:57 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	514	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	140	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	280	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	32	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.76	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	2.1	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	18	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	72	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.91	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	13	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	55	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	70	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-1014-NT NLS ID: 476885
COC: 103967:5 Matrix: SW
Collected: 05/03/08 13:18 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	90	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	12	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	11	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	32	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	[0.045]	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.14	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	[1.5]	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	59	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	7.30	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	11	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	[6.8]	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-L-01 NLS ID: 476886
COC: 103967:6 Matrix: SW
Collected: 05/03/08 14:12 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	434	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	18	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	20	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	5.8	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.45	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.2	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	5.3	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	28	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.96	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	16	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	15	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	20	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Project: NS SW - May 08

SW-GP-01 NLS ID: 476887
COC: 103967:7 Matrix: SW
Collected: 05/03/08 14:25 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	216	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	8.8	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	8.9	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	18	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.32	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	3.2	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	11	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	95	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	7.01	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[4.7]	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	26	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	37	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-27W-01 NLS ID: 476888
COC: 103967:8 Matrix: SW
Collected: 05/03/08 14:35 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	482	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	24	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	33	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	11	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.46	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.2	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	7.1	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	49	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.69	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	8.9	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	56	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	68	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-27E-01 NLS ID: 476889
COC: 103967:9 Matrix: SW
Collected: 05/03/08 14:40 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	118	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	23	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	25	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfill/trace)	5.4	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.46	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.60	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	6.3	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	34	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.69	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	6.6	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	14	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	14	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-27W-02 NLS ID: 476890
COC: 103967:10 Matrix: SW
Collected: 05/03/08 14:54 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	421	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	31	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	32	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfill/trace)	7.4	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.37	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.87	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	6.1	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	16	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.70	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	8.5	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	29	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	31	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-27E-02 NLS ID: 476891
COC: 103967:1 Matrix: SW
Collected: 05/03/08 14:59 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	106	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	22	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	25	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	6.7	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.38	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.0	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	6.8	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	100	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.74	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	6.7	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	15	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	22	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-27W-03 NLS ID: 476892
COC: 103967:2 Matrix: SW
Collected: 05/03/08 15:10 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	611	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	33	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	34	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	12	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.44	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.68	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	10	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	26	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	7.07	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	12	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	25	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	24	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-27E-03 NLS ID: 476893
COC: 103967:3 Matrix: SW
Collected: 05/03/08 15:15 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	146	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	23	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	22	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	6.8	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.53	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.89	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	7.6	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	16	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.79	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	6.9	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	18	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	18	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-27W-04 NLS ID: 476894
COC: 103967:4 Matrix: SW
Collected: 05/03/08 15:20 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	444	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	27	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	27	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	18	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.38	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.45	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	17	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	24	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.39	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	6.5	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	29	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	27	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-27E-04 NLS ID: 476895
COC: 103967:5 Matrix: SW
Collected: 05/03/08 15:25 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	121	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	19	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	18	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	6.5	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.42	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.94	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	6.3	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	15	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.84	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	5.8	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	15	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	15	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-RR-01 NLS ID: 476896
COC: 103967:6 Matrix: SW
Collected: 05/04/08 11:05 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	41	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	11	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	11	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	9.3	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.24	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.39	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	5.2	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	7.6	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.39	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	16	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	15	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-RR-02 NLS ID: 476897
COC: 103967:7 Matrix: SW
Collected: 05/04/08 11:25 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	34	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	11	ug/L	1	1.3	4.0	05/20/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	8.9	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	9.0	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.20	mg/L	1	0.033	0.10	05/20/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.38	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	5.3	ug/L	1	1.0*	2.0*	05/20/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	7.7	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.41	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	14	ug/L	1	5.0*	10*	05/20/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	14	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-RR-03 NLS ID: 476898
COC: 103967:8 Matrix: SW
Collected: 05/04/08 11:37 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	28	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	7.8	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	7.1	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	10	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.50	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.85	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	23	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	230	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.31	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[2.7]	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	10	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	13	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Project: NS SW - May 08

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

SW-RR-08 NLS ID: 476899
COC: 103967:9 Matrix: SW
Collected: 05/04/08 11:58 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	53	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	15	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	17	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfill/trace)	17	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.61	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.3	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	38	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	150	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.24	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	25	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	27	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-RR-09 NLS ID: 476900
COC: 103967:10 Matrix: SW
Collected: 05/04/08 12:10 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	33	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	6.9	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	7.6	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfill/trace)	12	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.59	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.96	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	370	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	420	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.19	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	15	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	16	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-RR-04 NLS ID: 476901
COC: 103967:1 Matrix: SW
Collected: 05/04/08 12:26 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	25	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	5.9	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	9.1	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	9.0	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.20	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.64	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	14	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	21	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.66	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[2.6]	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	[6.3]	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	15	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-RR-05 NLS ID: 476902
COC: 103967:2 Matrix: SW
Collected: 05/04/08 12:37 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	22	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	8.1	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	9.6	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	8.2	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.17	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.56	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	5.8	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	24	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.26	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	[6.9]	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[7.9]	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS SW - May 08

SW-RR-06 NLS ID: 476903
COC: 103967:3 Matrix: SW
Collected: 05/04/08 12:47 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	25	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	6.0	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	6.6	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	9.4	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.20	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.49	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	4.6	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	76	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.11	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	10	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	11	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

SW-RR-07 NLS ID: 476904
COC: 103967:4 Matrix: SW
Collected: 05/04/08 12:56 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	63	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	6.5	ug/L	1	1.3	4.0	05/15/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	8.0	ug/L	1	1.3	4.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	21	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.39	mg/L	1	0.033	0.10	05/15/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.62	mg/L	1	0.033	0.10	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	46	ug/L	1	1.0*	2.0*	05/15/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	88	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.84	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	[6.1]	ug/L	1	5.0*	10*	05/15/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[5.8]	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					05/08/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					05/12/08	EPA 200.7M	721026460

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NLS Project: 117795
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Project: NS SW - May 08

Field Blank NLS ID: 476905
COC: 103967:5 Matrix: SW
Collected: 05/05/08 12:19 Received: 05/06/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	2.0	umho@25C	1			05/06/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	ND	ug/L	1	2.7	8.0	05/20/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	ND	ug/L	1	2.7	8.0	05/14/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	ND	mg/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	ND	mg/L	1	0.0050	0.010	05/20/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.0050	0.010	05/14/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	ND	ug/L	1	1.0*	2.0*	05/20/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	ND	ug/L	1	1.0*	2.0*	05/14/08	EPA 200.7	721026460
pH, Lab	6.21	s.u.	1			05/07/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	1	0.25	0.50	05/13/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	ND	ug/L	1	5.0*	10*	05/20/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10*	05/14/08	EPA 200.7	721026460
Lab filtration	yes					05/07/08	NA	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: Thomas Krueger

Authorized by:
R. T. Krueger
President

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 103965

CLIENT: Flambeau Mining Co.	
ADDRESS: N4100 Hwy 27	
CITY: Ladysmith STATE: WI ZIP: 54848	
PROJECT DESCRIPTION / NO.: NLS SW - May 08	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT: Jana Murphy	PHONE: 715-532-6690
PURCHASE ORDER NO.	FAX: 532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	pH, Cond	Sulfate	Hardness	T Cu, Fe, Mn, Zn	Diss Cu, Fe, [illegible]	[illegible]					COLLECTION REMARKS (i.e. DNR Well ID #)
1.	476881	SW-ET-01a	5-3-08	12:11 pm	SW											
2.	476882	SW-ET-01b	5-3-08	12:20 pm	SW											
3.	476883	SW-CP-02	5-3-08	12:48 pm	SW											
4.	476884	SW-CP-01	5-3-08	12:57 pm	SW											
5.	476885	SW-1014-NT	5-3-08	1:18 pm	SW											
6.	476886	SW-1-01	5-3-08	2:12 pm	SW											
7.	476887	SW-GP-01	5-3-08	2:25 pm	SW											
8.	476888	SW-27W-01	5-3-08	2:25 pm	SW											
9.	476889	SW-27E-01	5-3-08	2:40 pm	SW											
10.	476890	SW-27W-02	5-3-08	2:54 pm	SW											

COLLECTED BY (signature): Jana E. Murphy, Steve Anders, jr. — CUSTODY SEAL NO. (IF ANY) — DATE/TIME

RELINQUISHED BY (signature) — RECEIVED BY (signature) — DATE/TIME

DISPATCHED BY (signature): Jana E. Murphy — METHOD OF TRANSPORT: UPS Ground — DATE/TIME: 5-5-08 2:00 pm

RECEIVED AT NLS BY (signature): [illegible] — DATE/TIME: 5/6/08 10:00 — CONDITION: [illegible] — TEMP.

REMARKS & OTHER INFORMATION: Unfiltered - Lab filtering required

COOLER # [illegible]

WDNR FACILITY NUMBER — E-MAIL ADDRESS: jana - murphy@clearwire.net

REPORT TO: Flambeau Mining

INVOICE TO: same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 103967

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	NS SW - May 08
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Jana Murphy
PHONE	715-532-6690
PURCHASE ORDER NO.	
FAX	532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	pH, Cond	Sulfate	Hardness	Total Cu Fe Mn Zn	Dissolved Cu Fe Mn Zn	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	476991	SW-27E-02	5-3-08	2:59 pm	SW	✓	✓	✓	✓	✓	
2.	476992	SW-27W-03	5-3-08	3:10 pm	SW	✓	✓	✓	✓	✓	
3.	476993	SW-27E-03	5-3-08	3:15 pm	SW	✓	✓	✓	✓	✓	
4.	476994	SW-27W-04	5-3-08	3:20 pm	SW	✓	✓	✓	✓	✓	
5.	476995	SW-27E-04	5-3-08	3:25 pm	SW	✓	✓	✓	✓	✓	
6.	476996	SW-RR-01	5-4-08	11:05 am	SW	✓	✓	✓	✓	✓	
7.	476997	SW-RR-02	5-4-08	11:25 am	SW	✓	✓	✓	✓	✓	
8.	476998	SW-RR-03	5-4-08	11:37 am	SW	✓	✓	✓	✓	✓	
9.	476999	SW-RR-08	5-4-08	11:58 am	SW	✓	✓	✓	✓	✓	
10.	477000	SW-RR-09	5-4-08	12:10 pm	SW	✓	✓	✓	✓	✓	

COLLECTED BY (signature): Jana F. Murphy, Steve Anderson	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature): Jana Murphy	METHOD OF TRANSPORT: UPS Ground	DATE/TIME: 5-5-08 2:00 pm
RECEIVED AT NLS BY (signature): [signature]	DATE/TIME: 5/6/08 10:08	CONDITION: [illegible] / TEMP.
COOLER #: 4811	REMARKS & OTHER INFORMATION: Unfiltered - Lab filtering required	
	WDNR FACILITY NUMBER	E-MAIL ADDRESS: jana.murphy@clearwire.net

REPORT TO: Flambeau Mining

INVOICE TO: Same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. ~~01408~~ 152417

CLIENT: Flambeau Mining Co.
ADDRESS: N4100 Hwy 27
CITY: Ladysmith STATE: WI ZIP: 54848
PROJECT DESCRIPTION / NO.: NC SW - May 08
QUOTATION NO.:
DNR FID #:
DNR LICENSE #:
CONTACT: Jana Murphy
PHONE: 715-532-6690
PURCHASE ORDER NO.:
FAX: 532-6895

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		pH, Cond	Sulfate	Hardness	Total Fe, Mn, Zn	Dissolved Fe, Mn, Zn							COLLECTION REMARKS (i.e. DNR Well ID #)
1.	476691	SW-RR-04	5-4-08	12:26 pm	SW		|	|	|	|	|							
2.	476692	SW-RR-05	5-4-08	12:37 pm	SW		|	|	|	|	|							
3.	476693	SW-RR-06	5-4-08	12:47 pm	SW		|	|	|	|	|							
4.	476694	SW-RR-07	5-4-08	12:56 pm	SW		|	|	|	|	|							
5.	476695	Field Blank	5-5-08	12:19 pm	DI Water		|	|	|	|	|							
6.																		
7.																		
8.																		
9.																		
10.																		

COLLECTED BY (signature): Jana E Murphy Steve Anders jem
CUSTODY SEAL NO. (IF ANY):
DATE/TIME:

RELINQUISHED BY (signature):
RECEIVED BY (signature):
DATE/TIME:

DISPATCHED BY (signature): Jana E Murphy
METHOD OF TRANSPORT: UPS Ground
DATE/TIME: 5-5-08 2:00 pm

RECEIVED AT NLS BY (signature): [illegible]
DATE/TIME: 5/6/08 11:00
CONDITION: [illegible]
TEMP:

COOLER #: [illegible]
REMARKS & OTHER INFORMATION: Unfiltered - Lab filtering required

REPORT TO: Flambeau Mining

INVOICE TO: same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

WDNR FACILITY NUMBER:
E-MAIL ADDRESS: jana-murphy@clearwire.net

IMPORTANT:
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2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
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4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 119016
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NSSW-June 08

CP-02 NLS ID: 481345
COC: 104985:1 Matrix: SW
Collected: 06/08/08 10:45 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	136	umho@25C	1			06/11/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	340	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	340	ug/L	1	1.3	4.0	06/11/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	15	mg/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	2.4	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	2.4	mg/L	1	0.033	0.10	06/11/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	25	ug/L	1	1.0*	2.0*	06/16/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	40	ug/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
pH, Lab	8.24	s.u.	1			06/11/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	13	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	39	ug/L	1	5.0*	10*	06/16/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	47	ug/L	1	5.0*	10*	06/11/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

CP-01 NLS ID: 481346
COC: 104985:2 Matrix: SW
Collected: 06/08/08 10:51 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	228	umho@25C	1			06/11/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	380	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	440	ug/L	1	1.3	4.0	06/11/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	16	mg/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	2.7	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	2.5	mg/L	1	0.033	0.10	06/11/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	24	ug/L	1	1.0*	2.0*	06/16/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	49	ug/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
pH, Lab	8.23	s.u.	1			06/11/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	26	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	42	ug/L	1	5.0*	10*	06/16/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	59	ug/L	1	5.0*	10*	06/11/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 119016
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NSSW-June 08

CP-04 NLS ID: 481347
COC: 104985:3 Matrix: SW
Collected: 06/08/08 11:04 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	490	umho@25C	1			06/11/08	EPA 120.1	721026460
Copper, dis. as Cu by ICP-Trace	34	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	26	ug/L	1	1.3	4.0	06/11/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	120	mg/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.44	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.61	mg/L	1	0.033	0.10	06/11/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	110	ug/L	1	1.0*	2.0*	06/16/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	140	ug/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
pH, Lab	7.18	s.u.	1			06/11/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	17	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	31	ug/L	1	5.0*	10*	06/16/08	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	35	ug/L	1	5.0*	10*	06/11/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

SW-C3 NLS ID: 481348
COC: 104985:4 Matrix: SW
Collected: 06/08/08 10:33 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, dis. as Cu by ICP-Trace	16	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.77	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	17	ug/L	1	1.0*	2.0*	06/16/08	EPA 200.7	721026460
Zinc, dis. as Zn by ICP-Trace	11	ug/L	1	5.0*	10*	06/16/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

SW-C1 NLS ID: 481349
COC: 104985:5 Matrix: SW
Collected: 06/08/08 10:40 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, dis. as Cu by ICP-Trace	42	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.85	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	12	ug/L	1	1.0*	2.0*	06/18/08	EPA 200.7	721026460
Zinc, dis. as Zn by ICP-Trace	39	ug/L	1	5.0*	10*	06/16/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 119016
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NSSW-June 08

BFSW-C2 NLS ID: 481350
COC: 104985:6 Matrix: SW
Collected: 06/08/08 11:15 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, dis. as Cu by ICP-Trace	18	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.41	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.69	mg/L	1	0.033	0.10	06/11/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	21	ug/L	1	1.0*	2.0*	06/18/08	EPA 200.7	721026460
Sulfate, as SO4 (unfiltered)	5.7	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	[6.4]	ug/L	1	5.0*	10*	06/16/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

SW-C8 NLS ID: 481351
COC: 104985:7 Matrix: SW
Collected: 06/08/08 11:24 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, dis. as Cu by ICP-Trace	110	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	2.4	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	17	ug/L	1	1.0*	2.0*	06/16/08	EPA 200.7	721026460
Zinc, dis. as Zn by ICP-Trace	33	ug/L	1	5.0*	10*	06/16/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

SW-C5 NLS ID: 481352
COC: 104985:8 Matrix: SW
Collected: 06/08/08 11:37 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, dis. as Cu by ICP-Trace	28	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.93	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.1	mg/L	1	0.033	0.10	06/11/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	12	ug/L	1	1.0*	2.0*	06/18/08	EPA 200.7	721026460
Sulfate, as SO4 (unfiltered)	ND	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, dis. as Zn by ICP-Trace	37	ug/L	1	5.0*	10*	06/16/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

ANALYTICAL REPORT

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 119016
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: NSSW-June 08

BFSW-C1 NLS ID: 481353
COC: 104985:9 Matrix: SW
Collected: 06/08/08 11:45 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, dis. as Cu by ICP-Trace	55	ug/L	1	1.3	4.0	06/16/08	EPA 200.7	721026460
Iron, dis. as Fe by ICP-Trace	0.24	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.46	mg/L	1	0.033	0.10	06/11/08	EPA 200.7	721026460
Manganese, dis. as Mn by ICP-Trace	5.5	ug/L	1	1.0*	2.0*	06/18/08	EPA 200.7	721026460
Sulfate, as SO4 (unfiltered)	5.4	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	24	ug/L	1	5.0*	10*	06/11/08	EPA 200.7	721026460
Lab filtration	yes					06/11/08	NA	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460
Metals digestion - dissolved ICP	yes					06/17/08	EPA 200.7M	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: Howard Rueb

Authorized by:
R. T. Krueger
President

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 104985

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	NS SW - Jun 08
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Jana F Murphy
PHONE	715-532-6690
PURCHASE ORDER NO.	
FAX	

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	DATE	TIME	MATRIX (See above)		Sulfate	Alkalinity	[illegible]	[illegible]	Hardness	pH Cond	[illegible]					COLLECTION REMARKS (i.e. DNR Well ID #)
1.	481345	CP-02	6-8-08	10:45 AM	SW		X		X	X	X	X						
2.	481346	CP-01	6-8-08	10:51 AM	SW		X		X	X	X	X						
3.	481347	CP-04	6-8-08	11:04 AM	SW		X		X	X	X	X						
4.	481348	SW-C3		10:33	SW					X								
5.	481349	SW-C1		10:40	SW					X								
6.	481350	BFSW-C2		11:15	SW		X			X			X					
7.	481351	SW-C8		11:24	SW					X								
8.	481352	SW-C5		11:30	SW		X			X			X					
9.	481353	BFSW-C1		11:45	SW		X			X			X					
10.																		

COLLECTED BY (signature): [signature]	CUSTODY SEAL NO. (IF ANY): [signature]	DATE/TIME: 6-8-08
RELINQUISHED BY (signature): [signature]	RECEIVED BY (signature):	DATE/TIME:
DISPATCHED BY (signature): [signature]	METHOD OF TRANSPORT: UPS Ground	DATE/TIME: 6-9-08 3:00pm

RECEIVED AT NLS BY (signature): [signature]	DATE/TIME: 6/10/08 12:30	CONDITION: on ice	TEMP.
COOLER #: 4-0-173	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO: Flambeau Mining

INVOICE TO: same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT!
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 06/26/08 Code: S

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 119677
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: SW-June 08

SW-C3 NLS ID: 483907
COC: 104985:4 Matrix: SW
Collected: 06/08/08 10:33 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	29	umho@25C	1			06/12/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	9.0	ug/L	1	1.3	4.0	06/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	13	mg/L	1	1.0*	2.0*	06/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.1	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	45	ug/L	1	1.0*	2.0*	06/12/08	EPA 200.7	721026460
pH, Lab	6.62	s.u.	1			06/12/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[2.6]	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	10	ug/L	1	5.0*	10*	06/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/17/08	EPA 200.7M	721026460

SW-C1 NLS ID: 483908
COC: 104985:5 Matrix: SW
Collected: 06/08/08 10:40 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	73	umho@25C	1			06/12/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	32	ug/L	1	1.3	4.0	06/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	16	mg/L	1	1.0*	2.0*	06/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	1.1	mg/L	1	0.033	0.10	06/18/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	38	ug/L	1	1.0*	2.0*	06/12/08	EPA 200.7	721026460
pH, Lab	6.70	s.u.	1			06/12/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[3.7]	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	44	ug/L	1	5.0*	10*	06/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/17/08	EPA 200.7M	721026460

BFSW-C2 NLS ID: 483909
COC: 104985:6 Matrix: SW
Collected: 06/08/08 11:15 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	98	umho@25C	1			06/12/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	8.8	ug/L	1	1.3	4.0	06/11/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	19	mg/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
pH, Lab	7.31	s.u.	1			06/12/08	EPA 150.1	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10*	06/11/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460

ANALYTICAL REPORT

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 119677
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: SW-June 08

SW-C8 NLS ID: 483910
COC: 104985:7 Matrix: SW
Collected: 06/08/08 11:24 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	22	umho@25C	1			06/12/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	100	ug/L	1	1.3	4.0	06/12/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	12	mg/L	1	1.0*	2.0*	06/12/08	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	2.4	mg/L	1	0.033	0.10	06/19/08	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	79	ug/L	1	1.0*	2.0*	06/12/08	EPA 200.7	721026460
pH, Lab	7.10	s.u.	1			06/12/08	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	[3.6]	mg/L	10	2.5	5.0	06/17/08	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	36	ug/L	1	5.0*	10*	06/12/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/18/08	EPA 200.7M	721026460

SW-C5 NLS ID: 483911
COC: 104985:8 Matrix: SW
Collected: 06/08/08 11:37 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	44	umho@25C	1			06/12/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	23	ug/L	1	1.3	4.0	06/11/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	11	mg/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
pH, Lab	6.87	s.u.	1			06/12/08	EPA 150.1	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	41	ug/L	1	5.0*	10*	06/11/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460

BFSW-C1 NLS ID: 483912
COC: 104985:9 Matrix: SW
Collected: 06/08/08 11:45 Received: 06/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	89	umho@25C	1			06/12/08	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	61	ug/L	1	1.3	4.0	06/11/08	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	30	mg/L	1	1.0*	2.0*	06/11/08	EPA 200.7	721026460
pH, Lab	7.58	s.u.	1			06/12/08	EPA 150.1	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	24	ug/L	1	5.0*	10*	06/11/08	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/10/08	EPA 200.7M	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: Thomas R. Krueger

Authorized by:
R. T. Krueger
President

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 104986

CLIENT	Flambeau Mining Co
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	SW - June 08
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Jana Murphy
PHONE	
PURCHASE ORDER NO.	
FAX	

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	COLLECTION REMARKS (i.e. DNR Well ID #)
1.		SW-C3	10:33	6-8-08	SW		X	X	X	X		
2.		SW-C1	10:40	|	|		X	X	X	X		
3.		BFSW-C2	11:15	|	|					X	X	
4.		SW-C8	11:24	|	|		X	X	X	X		
5.		SW-C5	11:37	|	|					X	X	
6.		BFSW-C1	11:45	|	|					X	X	
7.												
8.												
9.												
10.												

COLLECTED BY (signature): Jana Murphy	CUSTODY SEAL NO. (IF ANY)	DATE/TIME: 6-8-08
RELINQUISHED BY (signature): Jana Murphy	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature): Jana Murphy	METHOD OF TRANSPORT: UPS Ground	DATE/TIME: 6-9-08 3:00pm
RECEIVED AT NLS BY (signature): [illegible]	DATE/TIME: 6/10/08 13:30	CONDITION: [illegible] / TEMP.
COOLER #	REMARKS & OTHER INFORMATION	
	WDNR FACILITY NUMBER	E-MAIL ADDRESS

REPORT TO: Flambeau Mining - [illegible]

INVOICE TO: Same

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT!
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

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Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 120241
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: CP Soil Sampling

Soil, S-CP-01N-0-3" NLS ID: 485887
COC: 108269:1 Matrix: SO
Collected: 07/10/08 12:10 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	96	mg/Kg DWB	1	0.32	1.1	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.8	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	72.0	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, S-CP-02N-0-3" NLS ID: 485888
COC: 108269:2 Matrix: SO
Collected: 07/10/08 14:00 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	890	mg/Kg DWB	1	0.31	1.0	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.5	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	74.3	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, S-CP-03N-0-3" NLS ID: 485889
COC: 108269:3 Matrix: SO
Collected: 07/10/08 13:45 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	82	mg/Kg DWB	1	0.26	0.90	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	7.0	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	83.7	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, S-CP-03N-3-6" NLS ID: 485890
COC: 108269:4 Matrix: SO
Collected: 07/10/08 13:45 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	32	mg/Kg DWB	1	0.27	0.91	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.8	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	83.5	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, S-CP-03N-12-15" NLS ID: 485891
COC: 108269:5 Matrix: SO
Collected: 07/10/08 13:45 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	21	mg/Kg DWB	1	0.24	0.81	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	7.0	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	84.7	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 120241
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: CP Soil Sampling

Soil, S-CP-04N-0-3" NLS ID: 485892
COC: 108269:6 Matrix: SO
Collected: 07/10/08 13:30 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	180	mg/Kg DWB	1	0.24	0.82	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.7	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	79.5	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, S-CP-04N-3-6" NLS ID: 485893
COC: 108269:7 Matrix: SO
Collected: 07/10/08 13:30 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	18	mg/Kg DWB	1	0.25	0.84	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	7.1	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	88.3	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, S-CP-04N-12-15" NLS ID: 485894
COC: 108269:8 Matrix: SO
Collected: 07/10/08 13:30 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	18	mg/Kg DWB	1	0.23	0.79	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	8.3	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	88.6	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

CUL-C\ NLS ID: 485895
COC: 108269:9 Matrix: MS
Collected: 07/10/08 11:45 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	83	mg/Kg DWB	1	0.98	3.3	07/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	850000	mg/Kg DWB	100	420	1400	07/28/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	2500	mg/Kg DWB	10	5.2	18	07/28/08	SW846 6010	721026460
Solids, total on solids	100.0	%	1	0.10*		07/14/08	ASTM D2216	721026460
	Assumed to be 100% solid							
Zinc, tot. recoverable as Zn by ICP	130	mg/Kg DWB	1	0.90	2.9	07/28/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, CP-05N-0-3" NLS ID: 485896
COC: 108272:1 Matrix: SO
Collected: 07/10/08 13:00 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	76	mg/Kg DWB	1	0.27	0.91	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	8.1	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	79.2	%	1	0.10*		07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 120241
NLS Customer: 11750

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Fax: 715 532 6885 Phone: 715 532 6690

Project: CP Soil Sampling

Soil, CP-05N-3-6" NLS ID: 485897
COC: 108272:2 Matrix: SO
Collected: 07/10/08 13:00 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	21	mg/Kg DWB	1	0.26	0.90	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	7.3	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	84.2	%	1	0.10*	*	07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached					07/27/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, CP-05N-12-15" NLS ID: 485898
COC: 108272:3 Matrix: SO
Collected: 07/10/08 13:00 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	29	mg/Kg DWB	1	0.23	0.77	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.7	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	91.4	%	1	0.10*	*	07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached					07/28/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, CP-06N-0-3" NLS ID: 485899
COC: 108272:4 Matrix: SO
Collected: 07/10/08 12:30 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	110	mg/Kg DWB	1	0.24	0.83	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	7.2	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	89.5	%	1	0.10*	*	07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached					07/28/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, CP-06N-3-6" NLS ID: 485900
COC: 108272:5 Matrix: SO
Collected: 07/10/08 12:30 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	46	mg/Kg DWB	1	0.22	0.75	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.6	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	92.3	%	1	0.10*	*	07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached					07/28/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

Soil, CP-06N-12-15" NLS ID: 485901
COC: 108272:6 Matrix: SO
Collected: 07/10/08 12:30 Received: 07/10/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	23	mg/Kg DWB	1	0.24	0.82	07/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.8	s.u. pHw	1			07/18/08	SW846 9045	721026460
Solids, total on solids	94.9	%	1	0.10*	*	07/14/08	ASTM D2216	721026460
Sulfide, as S	see attached					07/28/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					07/16/08	SW846 3050M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 120241
NLS Customer: 11750

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Fax: 715 532 6885 Phone: 715 532.6690

Project: CP Soil Sampling

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: _____

Authorized by:
R. T. Krueger
President

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485887

ACZ Sample ID: *L70491-01*
Date Sampled: *07/10/08 12:10*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	TO	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.07	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Residual									
Sulfur Pyritic Sulfide		0.03	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		0.09	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		0.09	B	*	%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	TO	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:00	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:00	bjl

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485888

ACZ Sample ID: *L70491-02*
Date Sampled: *07/10/08 14:00*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qualifier	XQ	Units	MDL	RL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.04	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		0.06	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		0.05	B	*	%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qualifier	XQ	Units	MDL	RL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:01	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:05	bjl

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485889

ACZ Sample ID: *L70491-03*
Date Sampled: *07/10/08 13:45*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:03	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:11	bjl

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485890

ACZ Sample ID: *L70491-04*
Date Sampled: *07/10/08 13:45*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Residual									
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:04	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:17	bjl

* *Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485891

ACZ Sample ID: ***L70491-05***
Date Sampled: *07/10/08 13:45*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Q	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		U	*		%	0.01	0.1	07/27/08 0:00	bjl
Residual Sulfur Pyritic Sulfide		U	*		%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate		U	*		%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		U	*		%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		U	*		%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	Q	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:06	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:23	bjl

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485892

ACZ Sample ID: *L70491-06*
Date Sampled: *07/10/08 13:30*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RQ	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Residual									
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		0.02	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	RQ	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:08	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:28	bjl

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485893

ACZ Sample ID: *L70491-07*
Date Sampled: *07/10/08 13:30*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Q	Units	MDL	PQL	Prep Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		U		*	%	0.01	0.1	07/27/08 0:00	bjl
Residual									
Sulfur Pyritic Sulfide		U		*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate		U		*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		U		*	%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		U		*	%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	Q	Units	MDL	PQL	Prep Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:09	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:34	bjl

* *Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485894

ACZ Sample ID: *L70491-08*
Date Sampled: *07/10/08 13:30*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RQ	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		U	*		%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Pyritic Sulfide		U	*		%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate		U	*		%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		U	*		%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		U	*		%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	RQ	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:11	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:40	bjl

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485896

ACZ Sample ID: *L70491-09*
Date Sampled: *07/10/08 13:00*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Unit	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.02	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		0.02	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Unit	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:12	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:46	bjl

* Please refer to Qualifier Reports for details.

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485897

ACZ Sample ID: *L70491-10*
Date Sampled: *07/10/08 13:00*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Xq	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Sulfate			U	*	%	0.01	0.1	07/27/08 0:00	bjl
Sulfur Total		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl
Total Sulfur minus Sulfate		0.01	B	*	%	0.01	0.1	07/27/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	Xq	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:14	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:51	bjl

* *Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485898

ACZ Sample ID: ***L70491-11***
Date Sampled: *07/10/08 13:00*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		U		*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Pyritic Sulfide		U		*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Sulfate		U		*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Total		U		*	%	0.01	0.1	07/28/08 0:00	bjl
Total Sulfur minus Sulfate		U		*	%	0.01	0.1	07/28/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:16	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 14:57	bjl

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485899

ACZ Sample ID: *L70491-12*
Date Sampled: *07/10/08 12:30*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RC	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.02	B	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Total		0.03	B	*	%	0.01	0.1	07/28/08 0:00	bjl
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	07/28/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	RC	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:17	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 15:03	bjl

* *Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485900

ACZ Sample ID: *L70491-13*
Date Sampled: *07/10/08 12:30*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual			U	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Pyritic Sulfide		0.02	B	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Sulfate			U	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Total		0.02	B	*	%	0.01	0.1	07/28/08 0:00	bjl
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	07/28/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:19	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 15:09	bjl

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3821
Sample ID: 485901

ACZ Sample ID: *L70491-14*
Date Sampled: *07/10/08 12:30*
Date Received: *07/15/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA / Method	Result	Qual	RC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic			U	*	%	0.01	0.1	07/28/08 0:00	bjl
Residual		0.01	B	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Sulfate			U	*	%	0.01	0.1	07/28/08 0:00	bjl
Sulfur Total			U	*	%	0.01	0.1	07/28/08 0:00	bjl
Total Sulfur minus Sulfate									

Soil Preparation

Parameter	EPA / Method	Result	Qual	RC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							07/15/08 22:21	brd
Crush and Pulverize	USDA No. 1, 1972							07/17/08 15:14	bjl

* *Please refer to Qualifier Reports for details.*

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

Method Reference

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Footnotes

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

Northern Lake Service, Inc.

ACZ Project ID: *L70491*

ACZ ID	WORKNUM	PARAMETER	METHOD	DATA DESCRIPTION
L70491-01	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-02	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-03	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-04	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

ACZ ID	Work Unit	Parameter	Method	Qual	Description
L70491-05	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-06	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-07	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-08	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

ACZ ID	Workunit	Parameter	Method	Qual	Description
L70491-09	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-10	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-11	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-12	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70491-13	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70491-14	WG248812	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Certification Qualifiers

Northern Lake Service, Inc.

ACZ Project ID: *L70491*

Soil Analysis

Sulfur Forms	M600/2-78-054 3.2.4	

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 108269

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	CP Soil Sampling
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Jim E. Murphy
PHONE	715-532-(old90
PURCHASE ORDER NO.	
FAX	715-532-68885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB ID	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Copper	Iron	Manganese	Zinc	Pb	Sulfide	Total Solids	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	485887	S-CP-01N-0-3"	7/10/08	1210	Soil	X				X	X	X	
2.	485888	S-CP-02N-0-3"		1400		X				X	X	X	
3.	485889	S-CP-03N-0-3"		1345		X				X	X	X	
4.	485890	S-CP-03N-3-6"		↓		X				X	X	X	
5.	485891	S-CP-03N-12-15"		↓		X				X	X	X	
6.	485892	S-CP-04N-0-3"		1330		X				X	X	X	
7.	485893	S-CP-04N-3-6"		↓		X				X	X	X	
8.	485894	S-CP-04N-12-15"		↓	↓	X				X	X	X	
9.	485895	CUL-CP	↓	1145	other	X	X	X	X				
10.													

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 7/10/08 1470
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 7/10/08 11:45
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: Flambeau Mining

INVOICE TO: same

RECEIVED AT NLS BY (signature)	DATE/TIME 7-10-08 1645	CONDITION	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS jmurphy@flambeauwine.net	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NO. 108272

CLIENT: Flambeau Mining Co.	
ADDRESS: N4100 Hwy 27	
CITY: Ladysmith STATE: WI ZIP: 54848	
PROJECT DESCRIPTION / NO.: CP Soil Sampling	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT: Jana E. Murphy	PHONE: 715-532-6690
PURCHASE ORDER NO.	FAX: 715-532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		Copper	pH	Sulfide	Total Solids								COLLECTION REMARKS (i.e. DNR Well ID #)
1.	485896	S-CP-05N-0-3"	7/10/08	1300	Soil		X	X	X	X								
2.	485897	S-CP-05N-3-6"	↓	↓	↓		↓	↓	↓	↓								
3.	485898	S-CP-05N-12-15"	↓	↓	↓		↓	↓	↓	↓								
4.	485899	S-CP-06N-0-3"	↓	1230	↓		↓	↓	↓	↓								
5.	485900	S-CP-06N-3-6"	↓	↓	↓		↓	↓	↓	↓								
6.	485901	S-CP-06N-12-15"	↓	↓	↓		↓	↓	↓	↓								
7.																		
8.																		
9.																		
10.																		

COLLECTED BY (signature): [signature]	CUSTODY SEAL NO. (IF ANY)	DATE/TIME: 7/10/08 1450
RELINQUISHED BY (signature): [signature]	RECEIVED BY (signature)	DATE/TIME: 7/10/08 11:45
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: Flambeau Mining

INVOICE TO: same

RECEIVED AT NLS BY (signature): [signature]	DATE/TIME: 7-10-08 11:45	CONDITION: OK	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS: jana-murphy@clearwire.net	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121091
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS Soils

Soil, S-CP-03S NLS ID: 488261
COC: 108738:1 Matrix: SO
Collected: 07/28/08 14:35 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	83	mg/Kg DWB	1	0.25	0.85	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	4.5	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	90.5	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-CP-04S NLS ID: 488262
COC: 108738:2 Matrix: SO
Collected: 07/28/08 14:45 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	79	mg/Kg DWB	1	0.24	0.83	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	4.7	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	91.4	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-RR-01 NLS ID: 488263
COC: 108738:3 Matrix: SO
Collected: 07/28/08 11:15 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	19	mg/Kg DWB	1	0.096	0.33	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.9	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	57.2	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-RR-02 NLS ID: 488264
COC: 108738:4 Matrix: SO
Collected: 07/28/08 11:30 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	12	mg/Kg DWB	1	0.12	0.39	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.9	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	82.0	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-RR-03 NLS ID: 488265
COC: 108738:5 Matrix: SO
Collected: 07/28/08 11:55 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	10	mg/Kg DWB	1	0.12	0.42	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.6	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	73.9	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121091
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS Soils

Soil, S-RR-04 NLS ID: 488266
COC: 108738:6 Matrix: SO
Collected: 07/28/08 12:10 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	9.0	mg/Kg DWB	1	0.13	0.44	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.8	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	72.7	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-RR-05 NLS ID: 488267
COC: 108738:7 Matrix: SO
Collected: 07/28/08 12:25 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	15	mg/Kg DWB	1	0.11	0.38	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.9	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	85.8	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-RR-06 NLS ID: 488268
COC: 108738:8 Matrix: SO
Collected: 07/28/08 12:40 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	11	mg/Kg DWB	1	0.12	0.41	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.6	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	82.2	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-RR-07 NLS ID: 488269
COC: 108738:9 Matrix: SO
Collected: 07/28/08 12:55 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	19	mg/Kg DWB	1	0.092	0.31	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.3	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	87.8	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-RR-08 NLS ID: 488270
COC: 108738:10 Matrix: SO
Collected: 07/28/08 13:25 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	16	mg/Kg DWB	1	0.098	0.33	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.8	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	74.6	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121091
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS Soils

Soil, S-RR-09 NLS ID: 488271
COC: 108739:1 Matrix: SO
Collected: 07/28/08 13:50 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	17	mg/Kg DWB	1	0.067	0.23	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.8	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	69.1	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27W-01-Organics NLS ID: 488272
COC: 108739:2 Matrix: SO
Collected: 07/28/08 15:25 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	4.4	mg/Kg DWB	1	0.19	0.65	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.6	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	66.4	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27W-01-Soil NLS ID: 488273
COC: 108739:3 Matrix: SO
Collected: 07/28/08 15:25 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	14	mg/Kg DWB	1	0.078	0.27	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.0	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	85.7	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27W-02-Organics NLS ID: 488274
COC: 108739:4 Matrix: SO
Collected: 07/29/08 09:25 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	2.5	mg/Kg DWB	1	0.23	0.78	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.3	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	51.6	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27W-02-Soil NLS ID: 488275
COC: 108739:5 Matrix: SO
Collected: 07/29/08 09:25 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	24	mg/Kg DWB	1	0.28	0.95	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.7	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	81.2	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121091
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS Soils

Soil, S-27W-03-Organics NLS ID: 488276
COC: 108739:6 Matrix: SO
Collected: 07/29/08 09:35 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	56	mg/Kg DWB	1	0.14	0.49	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.7	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	31.5	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27W-03-Soil NLS ID: 488277
COC: 108739:7 Matrix: SO
Collected: 07/29/08 09:35 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	25	mg/Kg DWB	1	0.079	0.27	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.2	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	63.8	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27W-04-Organics NLS ID: 488278
COC: 108739:8 Matrix: SO
Collected: 07/29/08 09:50 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	180	mg/Kg DWB	1	0.24	0.80	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.2	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	46.4	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27W-04-Soil NLS ID: 488279
COC: 108739:9 Matrix: SO
Collected: 07/29/08 09:50 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	23	mg/Kg DWB	1	0.090	0.31	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	4.8	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	64.5	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27E-01-Organics NLS ID: 488280
COC: 108739:10 Matrix: SO
Collected: 07/29/08 11:05 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	10	mg/Kg DWB	1	0.30	1.0	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.3	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	35.5	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121091
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS Soils

Soil, S-27E-01-Soil NLS ID: 488281
COC: 108741:1 Matrix: SO
Collected: 07/29/08 11:05 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	17	mg/Kg DWB	1	0.27	0.91	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.5	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	81.3	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27E-02-Organics NLS ID: 488282
COC: 108741:2 Matrix: SO
Collected: 07/29/08 10:40 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	13	mg/Kg DWB	1	0.44	1.5	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.5	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	40.4	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27E-02-Soil NLS ID: 488283
COC: 108741:3 Matrix: SO
Collected: 07/29/08 10:40 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	13	mg/Kg DWB	1	0.15	0.51	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.0	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	77.7	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27E-03-Organics NLS ID: 488284
COC: 108741:4 Matrix: SO
Collected: 07/29/08 10:25 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	66	mg/Kg DWB	1	0.19	0.64	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.1	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	24.0	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27E-03-Soil NLS ID: 488285
COC: 108741:5 Matrix: SO
Collected: 07/29/08 10:25 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	38	mg/Kg DWB	1	0.19	0.64	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.8	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	51.2	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

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ANALYTICAL REPORT

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Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121091
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS Soils

Soil, S-27E-04-Organics NLS ID: 488286
COC: 108741:6 Matrix: SO
Collected: 07/29/08 10:10 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	34	mg/Kg DWB	1	0.38	1.3	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.2	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	37.1	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-27E-04-Soil NLS ID: 488287
COC: 108741:7 Matrix: SO
Collected: 07/29/08 10:10 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	30	mg/Kg DWB	1	0.11	0.39	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.0	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	59.6	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-ET-01B NLS ID: 488288
COC: 108741:8 Matrix: SO
Collected: 07/29/08 11:40 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	27	mg/Kg DWB	1	0.13	0.43	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.6	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	87.4	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-ET-01A NLS ID: 488289
COC: 108741:9 Matrix: SO
Collected: 07/29/08 11:55 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	20	mg/Kg DWB	1	0.16	0.54	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.2	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	89.8	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-1013-NT NLS ID: 488290
COC: 108741:10 Matrix: SO
Collected: 07/29/08 12:15 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	94	mg/Kg DWB	1	0.20	0.67	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.9	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	86.2	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121091
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: NS Soils

Soil, S-1014-NT NLS ID: 488291
COC: 108740:1 Matrix: SO
Collected: 07/29/08 12:45 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	43	mg/Kg DWB	1	0.21	0.70	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.0	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	83.0	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-GP-01 NLS ID: 488292
COC: 108740:2 Matrix: SO
Collected: 07/29/08 13:20 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	12	mg/Kg DWB	1	0.15	0.52	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.9	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	78.5	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-L-01 NLS ID: 488293
COC: 108740:3 Matrix: SO
Collected: 07/29/08 13:40 Received: 07/31/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	17	mg/Kg DWB	1	0.16	0.55	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.9	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	72.7	%	1	0.10*		07/31/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/05/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: _____

Authorized by:
R. T. Krueger
President

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Case Narrative

Northern Lake Service, Inc.

August 26, 2008

Project ID: S08-3934
ACZ Project ID: L70947

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 20 soil samples from Northern Lake Service, Inc. on August 5, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L70947. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Sulfur Forms analyses were qualified with the ACZ 'N1' flag as the duplicate sample Relative Percent Difference (RPD) exceeded method control limits. The analyst commented that the high organic material content of the sample matrix was a probable contributing factor.

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488261

ACZ Sample ID: *L70947-01*
Date Sampled: *07/28/08 14:35*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.33		*	%	0.01	0.1	08/15/08 0:00	lwt
Residual									
Sulfur Pyritic Sulfide		0.07	B	*	%	0.01	0.1	08/15/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/15/08 0:00	lwt
Sulfur Total		0.41		*	%	0.01	0.1	08/15/08 0:00	lwt
Total Sulfur minus Sulfate		0.41		*	%	0.01	0.1	08/15/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:00	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 11:00	bjl/brd

* *Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.

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Inorganic Analytical Results

Northern Lake Service, Inc.		ACZ Sample ID:	***L70947-02***
Project ID:	S08-3934	Date Sampled:	*07/28/08 14:45*
Sample ID:	488262	Date Received:	*08/05/08*
		Sample Matrix:	*Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.07	B	*	%	0.01	0.1	08/15/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/15/08 0:00	lwt
Sulfur Sulfate		0.06	B	*	%	0.01	0.1	08/15/08 0:00	lwt
Sulfur Total		0.13		*	%	0.01	0.1	08/15/08 0:00	lwt
Total Sulfur minus Sulfate		0.07	B	*	%	0.01	0.1	08/15/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:03	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 12:03	bjl/brd

REPIN.02.06.05.01

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488263

ACZ Sample ID: *L70947-03*
Date Sampled: *07/28/08 11:15*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QA	Units	MDL	RDL	Date	Anly
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.02	B	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Total		0.03	B	*	%	0.01	0.1	08/16/08 0:00	lwt
Total Sulfur minus Sulfate		0.03	B	*	%	0.01	0.1	08/16/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	QA	Units	MDL	RDL	Date	Anly
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:07	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 13:07	bjl/brd

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.		ACZ Sample ID:	*L70947-04*
Project ID:	S08-3934	Date Sampled:	*07/28/08 11:30*
Sample ID:	488264	Date Received:	*08/05/08*
		Sample Matrix:	*Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual			U	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Total			U	*	%	0.01	0.1	08/16/08 0:00	lwt
Total Sulfur minus Sulfate			U	*	%	0.01	0.1	08/16/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:11	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 14:11	bjl/brd

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488265

ACZ Sample ID: *L70947-05*
Date Sampled: *07/28/08 11:55*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	DF	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.02	B	*	%	0.01	0.1	08/16/08 0:00	lwt
Residual			U	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Sulfate		0.02	B	*	%	0.01	0.1	08/16/08 0:00	lwt
Sulfur Total		0.02	B	*	%	0.01	0.1	08/16/08 0:00	lwt
Total Sulfur minus Sulfate									

Soil Preparation

Parameter	EPA Method	Result	Qual	DF	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:15	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 15:15	bjl/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488266

ACZ Sample ID: *L70947-06*
Date Sampled: *07/28/08 12:10*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	EQL	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.01	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Residual									
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/17/08 0:00	lwt
Sulfur Total		0.02	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	08/17/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	EQL	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:18	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 16:18	bjl/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488267

ACZ Sample ID: *L70947-07*
Date Sampled: *07/28/08 12:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	XD	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.01	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/17/08 0:00	lwt
Sulfur Sulfate		0.02	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Sulfur Total		0.02	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Total Sulfur minus Sulfate			U	*	%	0.01	0.1	08/17/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	XD	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:22	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 17:22	bjl/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488268

ACZ Sample ID: ***L70947-08***
Date Sampled: *07/28/08 12:40*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.02	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Residual			U	*	%	0.01	0.1	08/17/08 0:00	lwt
Sulfur Pyritic Sulfide									
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Sulfur Total		0.03	B	*	%	0.01	0.1	08/17/08 0:00	lwt
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	08/17/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:26	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 18:26	bjl/brd

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.

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Inorganic Analytical Results

Northern Lake Service, Inc.		ACZ Sample ID:	***L70947-09***
Project ID:	S08-3934	Date Sampled:	*07/28/08 12:55*
Sample ID:	488269	Date Received:	*08/05/08*
		Sample Matrix:	*Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual			U	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Total			U	*	%	0.01	0.1	08/18/08 0:00	lwt
Total Sulfur minus Sulfate			U	*	%	0.01	0.1	08/18/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:30	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 19:30	bjl/brd

* *Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488270

ACZ Sample ID: *L70947-10*
Date Sampled: *07/28/08 13:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	LQ	Units	MDL	RDL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.02	B	*	%	0.01	0.1	08/18/08 0:00	lwt
Residual			U	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Sulfate		0.03	B	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Total		0.02	B	*	%	0.01	0.1	08/18/08 0:00	lwt
Total Sulfur minus Sulfate									

Soil Preparation

Parameter	EPA Method	Result	Qual	LQ	Units	MDL	RDL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:33	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 20:33	bjl/brd

* Please refer to Qualifier Reports for details.

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488271

ACZ Sample ID: *L70947-11*
Date Sampled: *07/28/08 13:50*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Cn	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.04	B	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/18/08 0:00	lwt
Sulfur Total		0.04	B	*	%	0.01	0.1	08/18/08 0:00	lwt
Total Sulfur minus Sulfate		0.04	B	*	%	0.01	0.1	08/18/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	Cn	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:37	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 21:37	bjl/brd

* *Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488273

ACZ Sample ID: *L70947-12*
Date Sampled: *07/28/08 15:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RQ	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.02	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Total		0.03	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	08/19/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	RQ	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:41	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 22:41	bjl/brd

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488274

ACZ Sample ID: *L70947-13*
Date Sampled: *07/29/08 09:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Lab	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.09	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Total		0.08	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Total Sulfur minus Sulfate		0.08	B	*	%	0.01	0.1	08/19/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	Lab	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:45	mjc
Crush and Pulverize	USDA No. 1, 1972							08/12/08 23:45	bjl/brd

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488275

ACZ Sample ID: *L70947-14*
Date Sampled: *07/29/08 09:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.03	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Residual									
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Total		0.03	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Total Sulfur minus Sulfate		0.03	B	*	%	0.01	0.1	08/19/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:48	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 0:48	bjl/brd

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488276

ACZ Sample ID: ***L70947-15***
Date Sampled: *07/29/08 09:35*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.11		*	%	0.01	0.1	08/20/08 0:00	lwt
Residual									
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate		0.03	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.13		*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate		0.10		*	%	0.01	0.1	08/20/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:52	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 1:52	bjl/brd

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488277

ACZ Sample ID: *L70947-16*
Date Sampled: *07/29/08 09:35*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Lab	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.09	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Pyritic Sulfide		0.02	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.06	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate		0.06	B	*	%	0.01	0.1	08/20/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	Lab	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 14:56	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 2:56	bjl/brd

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488278

ACZ Sample ID: *L70947-17*
Date Sampled: *07/29/08 09:50*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameters	EPA Method	Results	Qual	LOQ	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.20		*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate		0.07	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.23		*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate		0.16		*	%	0.01	0.1	08/20/08 0:00	lwt

Soil Preparation

Parameters	EPA Method	Results	Qual	LOQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:00	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 4:00	bjt/brd

* *Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488279

ACZ Sample ID: *L70947-18*
Date Sampled: *07/29/08 09:50*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Xq	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.05	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Sulfate		0.07	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Total		0.11		*	%	0.01	0.1	08/21/08 0:00	lwt
Total Sulfur minus Sulfate		0.04	B	*	%	0.01	0.1	08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	Xq	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:03	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 5:03	bjl/brd

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488280

ACZ Sample ID: *L70947-19*
Date Sampled: *07/29/08 11:05*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	LQ	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.03	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Residual									
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Sulfate		0.02	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Total		0.05	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Total Sulfur minus Sulfate		0.03	B	*	%	0.01	0.1	08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	LQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:07	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 6:07	bjl/brd

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488281

ACZ Sample ID: *L70947-20*
Date Sampled: *07/29/08 11:05*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.02	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Total		0.03	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Total Sulfur minus Sulfate		0.03	B	*	%	0.01	0.1	08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:11	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 7:11	bjl/brd

** Please refer to Qualifier Reports for details.*

Batch Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

ACZ Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

ACZ Sample Types Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70947-01	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-02	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-03	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-04	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-05	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.

LEAD	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70947-06	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-07	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-08	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-09	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-10	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.

SAMPLE	WORKGROUP	PARAMETER	METHOD	QUALIFIER	DESCRIPTION
L70947-11	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-12	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-13	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-14	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-15	WG249957	Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
			M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.

ACZ ID	WORKUP PARAMETER	METHOD	FINAL RESULT QUALIFIER
L70947-16	WG249957 Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Sulfur Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-17	WG249957 Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Sulfur Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-18	WG249957 Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Sulfur Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-19	WG249957 Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Sulfur Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
L70947-20	WG249957 Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Sulfur Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		M600/2-78-054 3.2.4	RA Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	R1 RPD exceeded the method or laboratory acceptance limit. See Case Narrative.

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Certification Qualifiers

Northern Lake Service, Inc.

ACZ Project ID: *L70947*

Soil Analysis

Sulfur Forms	M600/2-78-054 3.2.4

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488282

ACZ Sample ID: *L70951-01*
Date Sampled: *07/29/08 10:40*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	MDL	Units	PQL	Prepared	Analyst
Sulfur Forms	M600/2-78-054 3.2.4							
Sulfur Organic		0.06	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Residual		0.01	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Pyritic Sulfide		0.02	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Sulfate		0.09	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Sulfur Total		0.07	B	*	%	0.01	0.1	08/19/08 0:00	lwt
Total Sulfur minus Sulfate									

Soil Preparation

Parameter	EPA Method	Result	Qual	MDL	Units	PQL	Prepared	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972						08/08/08 15:15	mjc
Crush and Pulverize	USDA No. 1, 1972						08/13/08 8:15	bjl/brd

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488283

ACZ Sample ID: *L70951-02*
Date Sampled: *07/29/08 10:40*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Dil	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.02	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Residual			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.01	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate									

Soil Preparation

Parameter	EPA Method	Result	Qual	Dil	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:18	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 9:18	bjl/brd

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488284

ACZ Sample ID: *L70951-03*
Date Sampled: *07/29/08 10:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	SQ	Units	MDL	PQL	Prep/Analysis	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.23		*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Pyritic Sulfide		0.04	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.27		*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate		0.27		*	%	0.01	0.1	08/20/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	SQ	Units	MDL	PQL	Prep/Analysis	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:22	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 10:22	bjl/brd

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488285

ACZ Sample ID: *L70951-04*
Date Sampled: *07/29/08 10:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	MQL	Units	MDL	PQL	Prepped	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.06	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.07	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate		0.07	B	*	%	0.01	0.1	08/20/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	MQL	Units	MDL	PQL	Prepped	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:26	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 11:26	bjl/brd

* *Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488286

ACZ Sample ID: *L70951-05*
Date Sampled: *07/29/08 10:10*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.08	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Pyritic Sulfide		0.02	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate		0.03	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.13		*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate		0.10		*	%	0.01	0.1	08/20/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:30	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 12:30	bjl/brd

* *Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488287

ACZ Sample ID: *L70951-06*
Date Sampled: *07/29/08 10:10*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Xa	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.04	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate		0.03	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.07	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate		0.04	B	*	%	0.01	0.1	08/20/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	Xa	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:33	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 13:33	bjl/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488288

ACZ Sample ID: *L70951-07*
Date Sampled: *07/29/08 11:40*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Q	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Sulfate		0.02	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Sulfur Total		0.02	B	*	%	0.01	0.1	08/20/08 0:00	lwt
Total Sulfur minus Sulfate			U	*	%	0.01	0.1	08/20/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	Q	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:37	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 14:37	bjl/brd

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488289

ACZ Sample ID: *L70951-08*
Date Sampled: *07/29/08 11:55*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RQL	Units	MDL	Pol	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		U	*	%	0.01	0.1		08/21/08 0:00	lwt
Sulfur Pyritic Sulfide		U	*	%	0.01	0.1		08/21/08 0:00	lwt
Sulfur Sulfate		U	*	%	0.01	0.1		08/21/08 0:00	lwt
Sulfur Total		U	*	%	0.01	0.1		08/21/08 0:00	lwt
Total Sulfur minus Sulfate		U	*	%	0.01	0.1		08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	RQL	Units	MDL	Pol	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:41	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 15:41	bjl/brd

* *Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488290

ACZ Sample ID: *L70951-09*
Date Sampled: *07/29/08 12:15*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Lab	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.07	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Total		0.08	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Total Sulfur minus Sulfate		0.07	B	*	%	0.01	0.1	08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	Lab	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:45	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 16:45	bjl/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488291

ACZ Sample ID: *L70951-10*
Date Sampled: *07/29/08 12:45*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.02	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Total		0.02	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:48	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 17:48	bjl/brd

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488292

ACZ Sample ID: *L70951-11*
Date Sampled: *07/29/08 13:20*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	TO	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.04	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Total		0.04	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Total Sulfur minus Sulfate		0.04	B	*	%	0.01	0.1	08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	TO	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:52	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 18:52	bjl/brd

* *Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488293

ACZ Sample ID: *L70951-12*
Date Sampled: *07/29/08 13:40*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	DL	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.02	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Sulfate			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Total		0.02	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	DL	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 15:56	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 19:56	bji/brd

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3934
Sample ID: 488272

ACZ Sample ID: *L70951-13*
Date Sampled: *07/28/08 15:25*
Date Received: *08/05/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.03	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Sulfate		0.03	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Sulfur Total		0.06	B	*	%	0.01	0.1	08/21/08 0:00	lwt
Total Sulfur minus Sulfate		0.03	B	*	%	0.01	0.1	08/21/08 0:00	lwt

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/08/08 16:00	mjc
Crush and Pulverize	USDA No. 1, 1972							08/13/08 21:00	bjl/brd

* *Please refer to Qualifier Reports for details.*

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

AEZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.

ACZ ID	WORKUP	PARAMETER	METHOD	QUAL	DESCRIPTION
L70951-01	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-02	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-03	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-04	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

ACZ ID	WORKUNIT	PARAMETER	METHOD	QUALIFIER	DESCRIPTION
L70951-05	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-06	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-07	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-08	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

ACZ ID	WORKNUM	PARAMETER	METHOD	QUALIFIER	QUALIFIER DESCRIPTION
L70951-09	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-10	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-11	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L70951-12	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

Northern Lake Service, Inc.

ACZ Project ID: *L70951*

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L70951-13	WG250008	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 108738

CLIENT: Flambeau Mining Co.
ADDRESS: N4100 Hwy 27
CITY: Ladysmith STATE: WI ZIP: 54848
PROJECT DESCRIPTION / NO.: NS Soils QUOTATION NO.:
DNR FID #: DNR LICENSE #:
CONTACT: Jana E. Murphy PHONE: 715-532-6690
PURCHASE ORDER NO.: FAX: 715-532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Copper	Iron	Sulfide	Total Solids	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	711	S-CP-03S	7/28/08	1435	soil	X	X	X	X	
2.	712	S-CP-04S	↓	1445	↓	↓	↓	↓	↓	
3.	713	S-RR-01		1115						
4.	714	S-RR-02		1130						
5.	715	S-RR-03		1155						
6.	716	S-RR-04		1210						
7.	717	S-RR-05		1225						
8.	718	S-RR-06		1240						
9.	719	S-RR-07		1255						
10.	720	S-RR-08	↓	1325	↓	↓	↓	↓	↓	

COLLECTED BY (signature): [signature] CUSTODY SEAL NO. (IF ANY) DATE/TIME: 7/28/08 1600
RELINQUISHED BY (signature): [signature] RECEIVED BY (signature) DATE/TIME: 7/30/08 0700
DISPATCHED BY (signature) METHOD OF TRANSPORT DATE/TIME

REPORT TO: Flambeau Mining Co.

INVOICE TO: Same

RECEIVED AT NLS BY (signature): Jackie Brown DATE/TIME: 7/31/08 830 CONDITION: [illegible] TEMP: [illegible]
COOLER #
REMARKS & OTHER INFORMATION: [illegible]
WDNR FACILITY NUMBER E-MAIL ADDRESS

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 108739

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	NS Soils
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Jana E. Murphy
PHONE	715-532-6690
PURCHASE ORDER NO.	
FAX	715-532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

PARAMETER

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS	Copper	Pb	Sulfide	Total Solids								COLLECTION REMARKS (i.e. DNR Well ID #)
1.	271	S-RR-09	7/28/08	1350	Soil		X	X	X	X								
2.	272	S-27W-01-organics	↓	1525	↓		↓	↓	↓	↓								
3.	273	S-27W-01-soil	↓	1525	↓		↓	↓	↓	↓								
4.	274	S-27W-02-organics	7/29/08	0925	Soil		X	X	X	X								
5.	275	S-27W-02-soil	↓	0925	↓		↓	↓	↓	↓								
6.	276	S-27W-03-organics	↓	0935	↓		↓	↓	↓	↓								
7.	277	S-27W-03-soil	↓	0935	↓		↓	↓	↓	↓								
8.	278	S-27W-04-organics	↓	0950	↓		↓	↓	↓	↓								
9.	279	S-27W-04-soil	↓	0950	↓		↓	↓	↓	↓								
10.	280	S-27E-01-organics	↓	1105	↓		↓	↓	↓	↓								

COLLECTED BY (signature) [signature]	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 7/28/08 / 7/29/08 1700	
RELINQUISHED BY (signature) [signature]	RECEIVED BY (signature)	DATE/TIME 7/30/08 0700	
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME	
RECEIVED AT NLS BY (signature) [signature]	DATE/TIME 7/31/08 8:30	CONDITION No Ice	TEMP. N/A
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS jana-murphy@clearwire.net	

REPORT TO: Flambeau Mining Co.

INVOICE TO: Same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

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WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 108741

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	NS Soils
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Jana E. Murphy
PHONE	715-532-6690
PURCHASE ORDER NO.	
FAX	715-532-6885

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OTHER

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PARAMETER

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS	Copper	Pb	Sulfide	Total Solids	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	251	S-27E-01-Soil	7/29/08	1105	Soil		X	X	X	X	
2.	252	S-27E-02-organics	↓	1040	↓		↓	↓	↓	↓	
3.	253	S-27E-02-Soil	↓	1040	↓		↓	↓	↓	↓	
4.	254	S-27E-03-organics	↓	1025	↓		↓	↓	↓	↓	
5.	255	S-27E-03-Soil	↓	1025	↓		↓	↓	↓	↓	
6.	256	S-27E-04-organics	↓	1010	↓		↓	↓	↓	↓	
7.	257	S-27E-04-Soil	↓	1010	↓		↓	↓	↓	↓	
8.	258	S-ET-01B	↓	1140	↓		↓	↓	↓	↓	
9.	259	S-ET-01A	↓	1155	↓		↓	↓	↓	↓	
10.	260	S-1013-NT	↓	1215	↓		↓	↓	↓	↓	

COLLECTED BY (signature) [illegible]	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 7/29/08 1700
RELINQUISHED BY (signature) [illegible]	RECEIVED BY (signature)	DATE/TIME 7/30/08 0700
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: Flambeau Mining Co.

INVOICE TO: Same

RECEIVED AT NLS BY (signature) [illegible]	DATE/TIME 7/31/08 830	CONDITION [illegible]	TEMP [illegible]
COOLER # 45-152	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS jana-murphy@clearwire.net	

PRESERVATIVE:
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S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

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Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 108740

CLIENT: Flambeau Mining Co.
ADDRESS: N4100 Hwy 27
CITY: Ladysmith STATE: WI ZIP: 54848
PROJECT DESCRIPTION / NO.: NLS Soils
QUOTATION NO.:
DNR FID #:
DNR LICENSE #:
CONTACT: Jana F. Murphy
PHONE: 715-532-6690
PURCHASE ORDER NO.:
FAX: 715-532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
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USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS — PARAMETER

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		Copper	Pb	Sulfate	Total Sulfur								COLLECTION REMARKS (i.e. DNR Well ID #)
1.	221	S-1014-NT	7/29/08	1245	Soil		X	X	X	X								
2.	222	S-GR-01	↓	1320	↓		↓	↓	↓	↓								
3.	223	S-1-01	↓	1340			↓	↓	↓	↓								
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

ONE SAMPLE PER LINE

COLLECTED BY (signature): [signature] CUSTODY SEAL NO. (IF ANY) DATE/TIME: 7/29/08 1700
RELINQUISHED BY (signature): [signature] RECEIVED BY (signature) DATE/TIME: 7/31/08 0700
DISPATCHED BY (signature) METHOD OF TRANSPORT DATE/TIME

REPORT TO: Flambeau Mining Co.

INVOICE TO: Same

RECEIVED AT NLS BY (signature): [signature]
DATE/TIME: 7/31/08 830
CONDITION: [illegible]
TEMP: [illegible]
COOLER #:
REMARKS & OTHER INFORMATION:
WDNR FACILITY NUMBER:
E-MAIL ADDRESS: jana-murphy@clearwire.net

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT!
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 09/10/08 Code: S

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121189
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: Sediment Samples - Stip-Soil

Sed-S 1A-1D NLS ID: 488660
COC: 108742:1 Matrix: SO
Collected: 07/31/08 14:10 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	8.6	mg/Kg DWB	1	0.061	0.21	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	16000	mg/Kg DWB	10	2.6	8.5	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	1000	mg/Kg DWB	10	0.32	1.1	08/26/08	SW846 6010	721026460
Solids, total on solids	75.2	%	1	0.10*		08/07/08	ASTM D2216	721026460
Solids, tot. volatile	ND	% DWB	1	2.0*		08/04/08	EPA 160.4	721026460
Zinc, tot. recoverable as Zn by ICP	32	mg/Kg DWB	1	0.055	0.18	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460
Sieve test	see attached					09/02/08	ASTM D422	NA
Misc. Sample Prep	yes					08/04/08	NA	721026460

Sed-S 3A-3D NLS ID: 488661
COC: 108742:5 Matrix: SO
Collected: 07/31/08 14:45 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	17	mg/Kg DWB	1	0.13	0.43	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	24000	mg/Kg DWB	10	5.3	18	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	1600	mg/Kg DWB	10	0.67	2.2	08/26/08	SW846 6010	721026460
Solids, total on solids	36.6	%	1	0.10*		08/04/08	ASTM D2216	721026460
Solids, tot. volatile	6.2	% DWB	1	2.0*		08/04/08	EPA 160.4	721026460
Zinc, tot. recoverable as Zn by ICP	80	mg/Kg DWB	1	0.11	0.37	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460
Sieve test	see attached					09/02/08	ASTM D422	NA
Misc. Sample Prep	yes					08/04/08	NA	721026460

Sed-S 4A-4D NLS ID: 488662
COC: 108741:1 Matrix: SO
Collected: 07/31/08 13:48 Received: 08/01/08

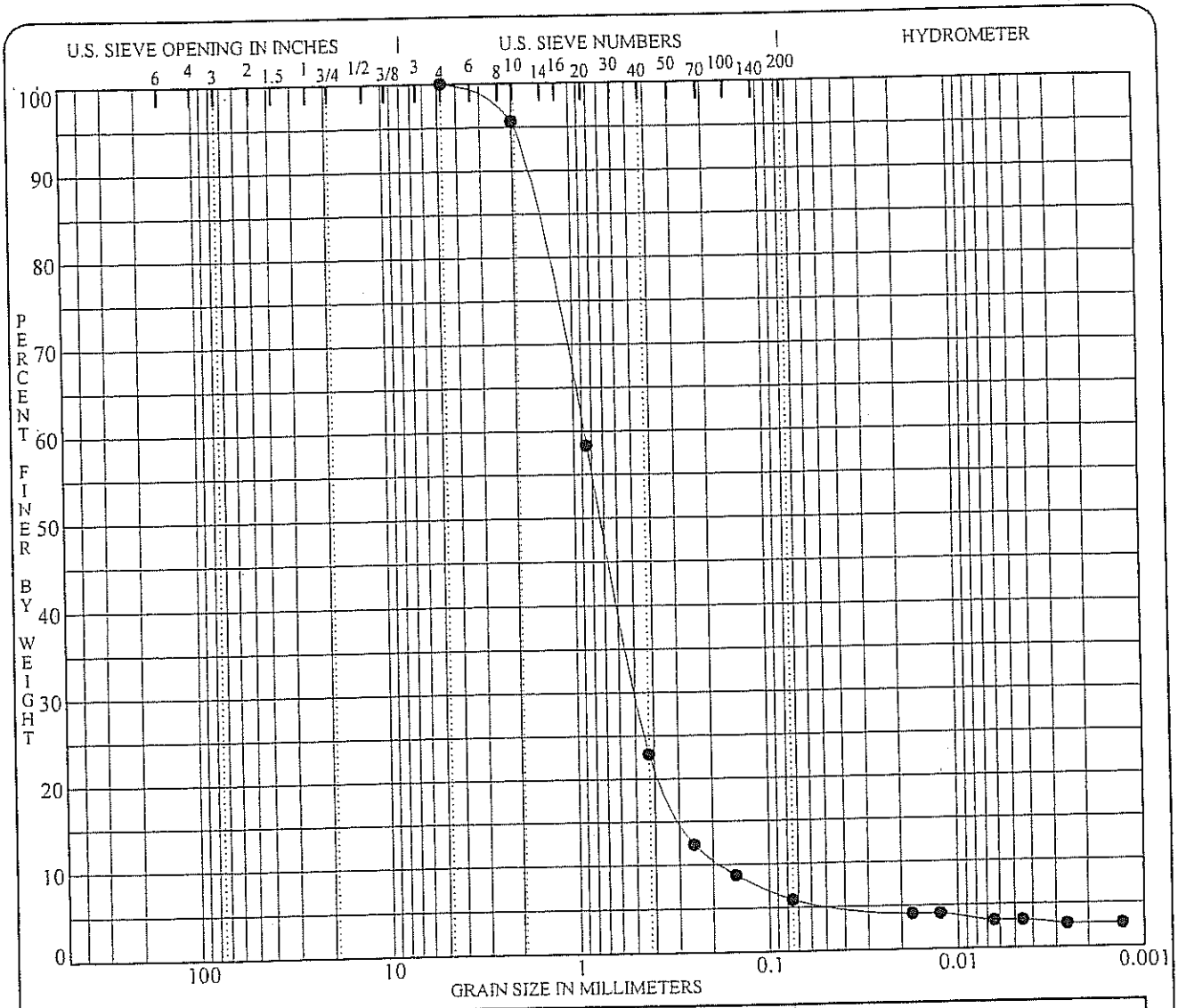
Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	24	mg/Kg DWB	1	0.15	0.51	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	22000	mg/Kg DWB	10	6.3	21	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	1200	mg/Kg DWB	10	0.79	2.7	08/26/08	SW846 6010	721026460
Solids, total on solids	30.8	%	1	0.10*		08/04/08	ASTM D2216	721026460
Solids, tot. volatile	6.7	% DWB	1	2.0*		08/04/08	EPA 160.4	721026460
Zinc, tot. recoverable as Zn by ICP	81	mg/Kg DWB	1	0.14	0.44	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460
Sieve test	see attached					09/02/08	ASTM D422	NA
Misc. Sample Prep	yes					08/04/08	NA	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: Thomas R. Krueger

Authorized by:
R. T. Krueger
President



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification	Classification	MC%	LL	PL	PI	Cc	Cu
●	488660						1.52	4.9
⊠	LAB ID: SH2809							
▲								
★								
⊙								

	Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	488660	4.75	0.88	0.489	0.1784	0.0	94.1	2.7	3.2
⊠									
▲									
★									
⊙									

CLIENT : Northern Lake Service, Inc.
PROJECT: NLS Project #121189

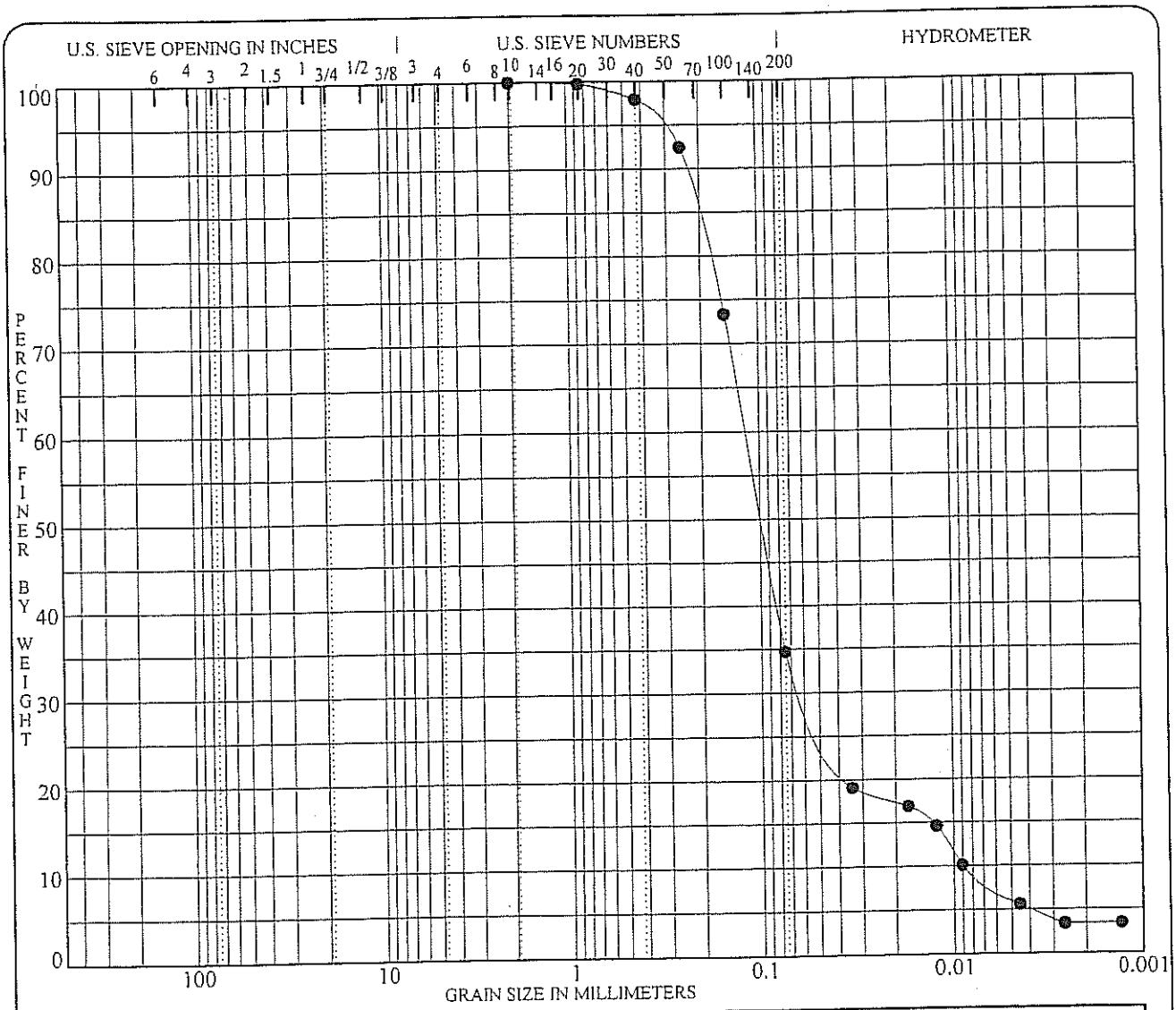
JOB NO.: 08-1-17951
TEST DATE: 9/2/08

MILLER ENGINEERS SCIENTISTS

GRAIN SIZE ANALYSIS
ASTM D422

SOURCE:
SAMPLED BY: NLS
TESTED BY: RSE
REVIEWED BY: ARD

GRAFSIEV GINT.GPJ MLLR_ENG.GDT 9/2/08 16:09



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification	Classification	MC%	LL	PL	PI	Cc	Cu
●	488661						3.33	13.3
⊠	LAB ID: SH2810							
▲								
★								
⊙								

	Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	488661	2.00	0.12	0.059	0.0089	0.0	65.3	28.4	6.3
⊠									
▲									
★									
⊙									

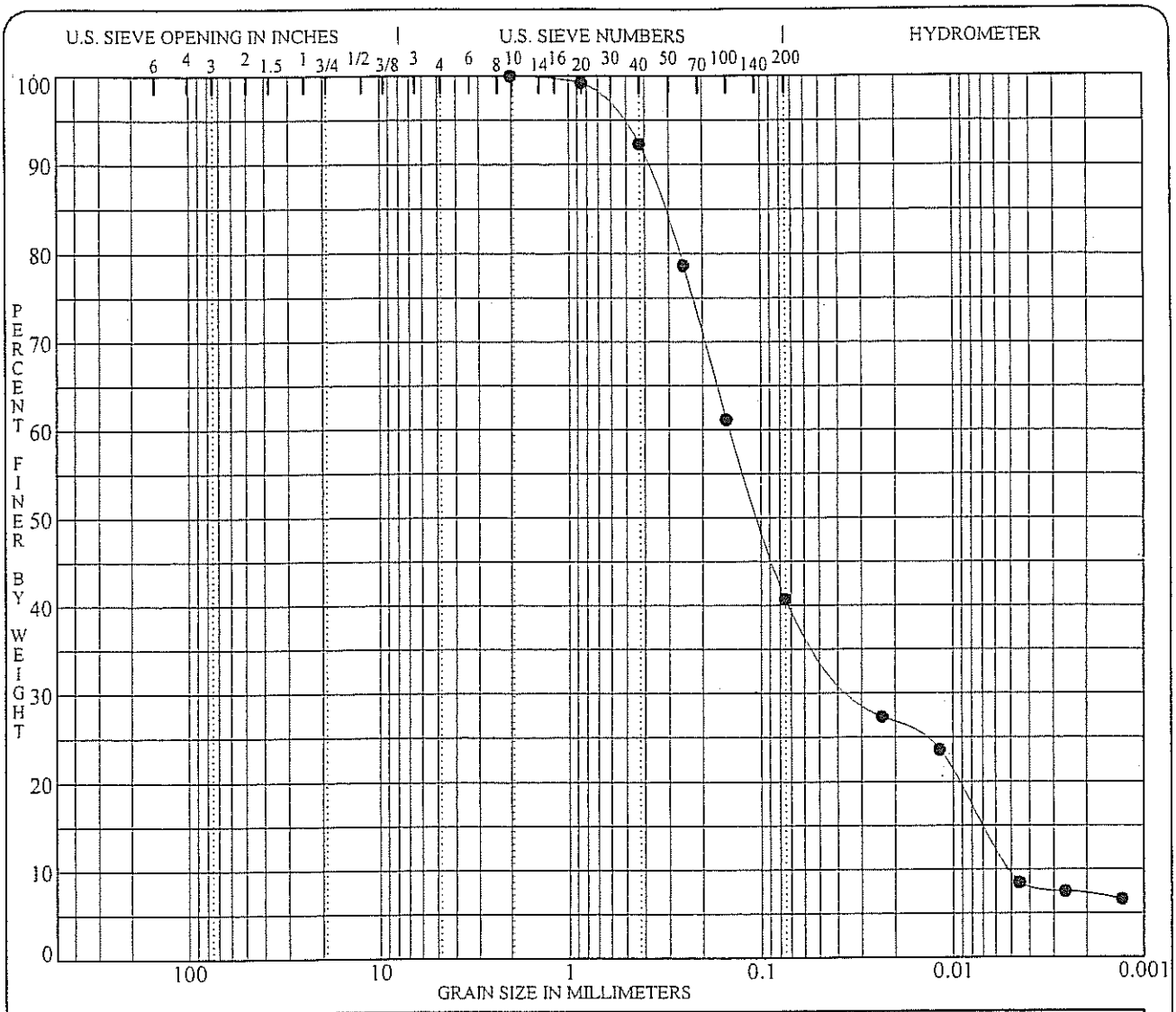
CLIENT : Northern Lake Service, Inc.
PROJECT: NLS Project #121189

JOB NO.: 08-1-17951
TEST DATE: 9/2/08
SOURCE:
SAMPLED BY: NLS
TESTED BY: RSE
REVIEWED BY: PGP

MILLER
ENGINEERS
SCIENTISTS

GRAIN SIZE ANALYSIS
ASTM D422

GRAFSIEV GINT.GPJ MLLR_ENG.GDT 9/2/08 16:09



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification	Classification	MC%	LL	PL	PI	Cc	Cu
●	488662						1.21	29.2
⊠	LAB ID: SH2811							
▲								
★								
⊙								

	Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	488662	2.00	0.14	0.029	0.0049	0.0	59.3	30.6	10.2
⊠									
▲									
★									
⊙									

CLIENT : Northern Lake Service, Inc.
PROJECT: NLS Project #121189

JOB NO.: 08-1-17951
TEST DATE: 9/2/08

MILLER ENGINEERS SCIENTISTS

GRAIN SIZE ANALYSIS
ASTM D422

SOURCE:
SAMPLED BY: NLS
TESTED BY: RSE
REVIEWED BY: PGP

GRAFSIEV GINT.GPJ MLLR_ENG.GDT 9/2/08 16:09

GRADATION ANALYSIS

CLIENT:	Northern Lake Service, Inc.	JOB NO.:	08-1-17951
PROJECT:	NLS Project #121189		
LAB ID:	SH2809	TEST DATE:	9/2/08
SPECIFICATION:		TESTED BY:	RSE
SAMPLED BY:	NLS	REVIEWED BY:	ARD
SPECIMEN IDENTIFICATION:	488660	SOURCE:	

TOTAL WEIGHT OF SAMPLE (g): 103.71

SIEVE TEST ANALYSIS (ASTM D422)

SIEVE SIZE	%FINER	REQUIRED SPECS	
		MIN	MAX
#200	5.9		
#100	8.8		
#60	12.4		
#40	22.9		
#20	58.4		
#10	95.7		
#4	100.0		

TABLE_SIEVE_GINT.GPJ MLLR_ENG.GDT 9/2/08 15:25

MILLER
ENGINEERS
SCIENTISTS

GRADATION ANALYSIS

CLIENT: Northern Lake Service, Inc.
PROJECT: NLS Project #121189

JOB NO.: 08-1-17951

LAB ID: SH2810
SPECIFICATION:
SAMPLED BY: NLS
SPECIMEN IDENTIFICATION: 488661

TEST DATE: 9/2/08
TESTED BY: RSE
REVIEWED BY: PGP
SOURCE:

TOTAL WEIGHT OF SAMPLE (g): 43.51

SIEVE TEST ANALYSIS (ASTM D422)

SIEVE SIZE	%FINER	REQUIRED SPECS	
		MIN	MAX
#200	34.7		
#100	73.3		
#60	92.4		
#40	97.9		
#20	99.8		
#10	100.0		

TABLE_SIEVE_GINT.GPJ MILLR_ENG.GDT 9/2/08 15:25

MILLER
ENGINEERS
SCIENTISTS

GRADATION ANALYSIS

CLIENT: Northern Lake Service, Inc.
JOB NO.: 08-1-17951
PROJECT: NLS Project #121189

LAB ID: SH2811
TEST DATE: 9/2/08
SPECIFICATION:
TESTED BY: RSE
SAMPLED BY: NLS
REVIEWED BY: PGP
SPECIMEN IDENTIFICATION: 488662
SOURCE:

TOTAL WEIGHT OF SAMPLE (g): 51.96

SIEVE TEST ANALYSIS (ASTM D422)

SIEVE SIZE	%FINER	REQUIRED SPECS	
		MIN	MAX
#200	40.7		
#100	61.1		
#60	78.6		
#40	92.3		
#20	99.2		
#10	100.0		

TABLE_SIEVE_GINT.GPJ MLLR_ENG.GDT 9/2/08 15:25

MILLER
ENGINEERS
SCIENTISTS

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 108271

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	STIP - Soil
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Jana E. Murphy
PHONE	715-532-6690
PURCHASE ORDER NO.	
FAX	715-532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS	Copper	Iron	Manganese	Zinc	Sieve Analysis	Total Volatile Solids	Total Solids					COLLECTION REMARKS (i.e. DNR Well ID #)
1.	[illegible]	Sed-S-4A	7/31/08	1348	SED		X	X	X	X	X	X	X					
2.		Sed-S-4B	↓	↓	↓		↓	↓	↓	↓	↓	↓	↓					
3.		Sed-S-4C	↓	↓	↓		↓	↓	↓	↓	↓	↓	↓					
4.		Sed-S-4D	↓	↓	↓		↓	↓	↓	↓	↓	↓	↓					
5.																		
6.																		
7.	[illegible]	Composite Sed-S-4A, 4B, 4C, + 4D in lab before completing																
8.		parameter list.																
9.																		
10.																		

COLLECTED BY (signature): [signature]	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 7/31/08 1500
RELINQUISHED BY (signature): [signature]	RECEIVED BY (signature)	DATE/TIME 8/1/08
DISPATCHED BY (signature): [signature]	METHOD OF TRANSPORT	DATE/TIME 8/1/08 1315
RECEIVED AT NLS BY (signature): [signature]	DATE/TIME 8/1/08	CONDITION Good
COOLER #	TEMP.	
REMARKS & OTHER INFORMATION		
WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO: Flambeau Mining Co.

INVOICE TO: Same

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 108742

CLIENT: Flambeau Mining Co.
ADDRESS: N4100 Hwy 27
CITY: Ladysmith STATE: WI ZIP: 54848
PROJECT DESCRIPTION / NO.: Strip Soil
QUOTATION NO.:
DNR FID #:
DNR LICENSE #:
CONTACT: Jana F. Murphy
PHONE: 715-532-6690
PURCHASE ORDER NO.:
FAX: 715-532-6885

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS — PARAMETER

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		Copper	Iron	Manganese	Zinc	Sieve Analysis	Total Volatile Solids	Total Solids					COLLECTION REMARKS (i.e. DNR Well ID #)
1.	1156660	Sed-S-1A	7/31/08	1410	SED		X	X	X	X	X	X	X					
2.		Sed-S-1B	↓	↓	↓		↓	↓	↓	↓	↓	↓	↓					
3.		Sed-S-1C																
4.		Sed-S-1D		↓														
5.		Sed-S-3A		1445														
6.	1156661	Sed-S-3B		↓														
7.		Sed-S-3C																
8.		Sed-S-3D	↓	↓	↓		↓	↓	↓	↓	↓	↓	↓					
9.		~~* Composite Sed-S-1A, 1B, 1C, + 1D in lab before completing parameter list.~~																
10.		~~* Composite Sed-S-3A, 3B, 3C, + 3D in lab before completing parameter list~~																

COLLECTED BY (signature): [signature] — CUSTODY SEAL NO. (IF ANY): — DATE/TIME: 7/31/08 1500
RELINQUISHED BY (signature): [signature] — RECEIVED BY (signature): — DATE/TIME: 8/1/08
DISPATCHED BY (signature): [signature] — METHOD OF TRANSPORT: — DATE/TIME: 8/1/08 1315
RECEIVED AT NLS BY (signature): [signature] — DATE/TIME: 8/1/08 11:10 — CONDITION: Good — TEMP:
COOLER #: 3105
REMARKS & OTHER INFORMATION:
WDNR FACILITY NUMBER:
E-MAIL ADDRESS: jana-murphy@clearwire.net

REPORT TO: Flambeau Mining Co.
INVOICE TO: Same

PRESERVATIVE:
NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 121641
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Project: Flambeau 08F777

Soil, S-MSBF-1 (0-.15) NLS ID: 490021
COC: Foth 100003 Matrix: SO
Collected: 08/12/08 10:44 Received: 08/13/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	37	mg/Kg DWB	1	0.53	1.8	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	17000	mg/Kg DWB	1	2.2	7.4	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	470	mg/Kg DWB	1	0.28	0.94	08/26/08	SW846 6010	721026460
Solids, total on solids	14.5	%	1	0.10*		08/15/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	57	mg/Kg DWB	1	0.48	1.6	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

Soil, S-MSBF-2 (0-.12) NLS ID: 490022
COC: Foth 100003 Matrix: SO
Collected: 08/12/08 10:55 Received: 08/13/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	71	mg/Kg DWB	1	0.51	1.7	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	25000	mg/Kg DWB	10	22	71	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	490	mg/Kg DWB	1	0.27	0.91	08/26/08	SW846 6010	721026460
Solids, total on solids	15.3	%	1	0.10*		08/15/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	64	mg/Kg DWB	1	0.46	1.5	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

Soil, S-MSBF-3 (0-.13) NLS ID: 490023
COC: Foth 100003 Matrix: SO
Collected: 08/12/08 11:06 Received: 08/13/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	54	mg/Kg DWB	1	0.49	1.7	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	26000	mg/Kg DWB	10	21	69	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	480	mg/Kg DWB	1	0.26	0.87	08/26/08	SW846 6010	721026460
Solids, total on solids	15.7	%	1	0.10*		08/15/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	69	mg/Kg DWB	1	0.45	1.5	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

Soil, S-MSBF-4 (0-.15) NLS ID: 490024
COC: Foth 100003 Matrix: SO
Collected: 08/12/08 11:28 Received: 08/13/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	32	mg/Kg DWB	1	0.38	1.3	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	18000	mg/Kg DWB	10	16	53	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	330	mg/Kg DWB	1	0.20	0.68	08/26/08	SW846 6010	721026460
Solids, total on solids	20.4	%	1	0.10*		08/15/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	51	mg/Kg DWB	1	0.35	1.1	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 121641
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532-6690

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Project: Flambeau 08F777

Soil, S-MSBF-5 (0-.22) NLS ID: 490025
COC: Foth 100003 Matrix: SO
Collected: 08/12/08 11:21 Received: 08/13/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	28	mg/Kg DWB	1	0.36	1.2	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	22000	mg/Kg DWB	10	15	50	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	500	mg/Kg DWB	1	0.19	0.64	08/26/08	SW846 6010	721026460
Solids, total on solids	21.3	%	1	0.10*		08/15/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	59	mg/Kg DWB	1	0.33	1.1	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

Soil, S-MSBF-6 (0-.17) NLS ID: 490026
COC: Foth 100003 Matrix: SO
Collected: 08/12/08 11:40 Received: 08/13/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	44	mg/Kg DWB	1	0.33	1.1	08/25/08	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	21000	mg/Kg DWB	10	14	46	08/26/08	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	380	mg/Kg DWB	1	0.18	0.59	08/26/08	SW846 6010	721026460
Solids, total on solids	22.0	%	1	0.10*		08/15/08	ASTM D2216	721026460
Zinc, tot. recoverable as Zn by ICP	57	mg/Kg DWB	1	0.30	0.99	08/25/08	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: Thomas Krueger

Authorized by:
R. T. Krueger
President

Foth

Foth Infrastructure & Environment, LLC

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Page: 1 of 1

COC Number: COC-100003

Company: Flambeau Mining Company	Report To: Jana Murphy	Requested Due Date:	Quote Reference:
Address: N4100 Hwy 27	Copy To: Sharon Felix sfelix@foth.com	*TAT: Std	Project Manager: Tracy Huber
Ladysmith, WI 54848	Invoice To: Jana Murphy		Project #:
Phone: 715-532-6690 Fax: 715-532-6885	P.O.		Profile #:
Email Address: jana-murphy@clearwire.net	Project Name: Flambeau	Regulatory Agency:	Sampling Team Members:
Site License No.:	Project Numbe 08F777	State Location: Wisconsin	GJP TRV

Valid Matrix Codes

Matrix	Code
Soil	S
Sediment	SE
Solid	SO
Surface Water	SW
Drinking Water	DW
Wastewater	WW
Groundwater	GW
Hazardous Liquid	H
Air	A
Oil	O
Other	X

ITEM NUMBER	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: N	Cu, Fe, Mn, Zn (SW 846 EPA 6010)	Filtered (Y/N)	REMARKS / Lab ID
1	S-MSBF-1(0-.15) 490021	SE	G	8/12/2008	1044	1	X								X		
2	S-MSBF-2(0-.12) 490022	SE	G	8/12/2008	1055	1	X								X		
3	S-MSBF-3(0-.13) 490023	SE	G	8/12/2008	1106	1	X								X		
4	S-MSBF-4(0-.15) 490024	SE	G	8/12/2008	1128	1	X								X		
5	S-MSBF-5(0-.22) 490025	SE	G	8/12/2008	1121	1	X								X		
6	S-MSBF-6(0-.17) 490026	SE	G	8/12/2008	1140	1	X								X		
7																	
8																	
9																	
10																	
11																	
12																	

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					[illegible] / Foth	8-13-08	0953	David J Michels, Foth	8/13/08	0953
					David J Michels, Foth	8-13-08	1410	Debbie Wilson	8/13	14:10

SAMPLE CONDITION:

Temp In C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tye Van Dyck

SIGNATURE of SAMPLER [signature]

Date Signed: 8/13/08

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121188
NLS Customer: 11750
Fax: 715 532 6805 Phone: 715 532 6690

Project: Soil

Soil, S-SS-MS-1 NLS ID: 488650
COC: 108743:1 Matrix: SO
Collected: 07/31/08 09:00 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	7.8	mg/Kg DWB	1	0.21	0.73	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.1	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	89.2	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-SS-MS-2 NLS ID: 488651
COC: 108743:2 Matrix: SO
Collected: 07/31/08 08:30 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	8.9	mg/Kg DWB	1	0.24	0.81	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.0	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	93.6	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-SS-MS-3 NLS ID: 488652
COC: 108743:3 Matrix: SO
Collected: 07/31/08 09:30 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	11	mg/Kg DWB	1	0.25	0.85	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.0	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	89.8	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-SS-MS-4 NLS ID: 488653
COC: 108743:4 Matrix: SO
Collected: 07/31/08 15:00 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	13	mg/Kg DWB	1	0.26	0.90	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.0	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	84.5	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-SS-MS-5 NLS ID: 488654
COC: 108743:5 Matrix: SO
Collected: 07/31/08 08:05 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	12	mg/Kg DWB	1	0.25	0.86	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.0	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	91.7	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

NLS Project: 121188
NLS Customer: 11750
Fax: 715 532 6885 Phone: 715 532 6690

Project: Soil

Soil, S-SS-HH-1 NLS ID: 488655
COC: 108743:6 Matrix: SO
Collected: 07/31/08 10:50 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	76	mg/Kg DWB	1	0.22	0.76	08/18/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.7	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	96.4	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/07/08	SW846 3050M	721026460

Soil, S-SS-HH-2 NLS ID: 488656
COC: 108743:7 Matrix: SO
Collected: 07/31/08 11:10 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	71	mg/Kg DWB	1	0.22	0.76	08/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.3	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	97.4	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

Soil, S-SS-HH-3 NLS ID: 488657
COC: 108743:8 Matrix: SO
Collected: 07/31/08 11:25 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	70	mg/Kg DWB	1	0.22	0.77	08/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.7	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	97.7	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

Soil, S-SS-HH-4 NLS ID: 488658
COC: 108743:9 Matrix: SO
Collected: 07/31/08 11:35 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	290	mg/Kg DWB	1	0.24	0.81	08/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	5.1	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	92.9	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

Soil, S-SS-HH-5 NLS ID: 488659
COC: 108743:10 Matrix: SO
Collected: 07/31/08 11:55 Received: 08/01/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	54	mg/Kg DWB	1	0.24	0.83	08/25/08	SW846 6010	721026460
pH, lab (soil/sludge)	6.3	s.u. pHw	1			08/04/08	SW846 9045	721026460
Solids, total on solids	95.6	%	1	0.10*		08/04/08	ASTM D2216	721026460
Sulfide, as S	see attached				*	08/07/08	M600/2-78-054 3.2.4	998326010
Metals digestion - tot. recov (solid) ICP	yes					08/14/08	SW846 3050M	721026460

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 121188
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532.6690

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Project: Soil

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB)/ 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: Thomas Krueger

Authorized by:
R. T. Krueger
President

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488650

ACZ Sample ID: *L71017-01*
Date Sampled: *07/31/08 09:00*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Xq	Units	MDL	PQL	Date	Anal
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic			U	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Residual									
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Sulfate			U	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Total			U	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Total Sulfur minus Sulfate			U	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	Xq	Units	MDL	PQL	Date	Anal
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 17:51	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 13:45	bjl

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488651

ACZ Sample ID: *L71017-02*
Date Sampled: *07/31/08 08:30*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Q	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		U	*		%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Pyritic Sulfide		U	*		%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Sulfate		U	*		%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Total		U	*		%	0.01	0.1	08/22/08 0:00	lwt/bjl
Total Sulfur minus Sulfate		U	*		%	0.01	0.1	08/22/08 0:00	lwt/bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	Q	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 17:57	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 14:45	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488652

ACZ Sample ID: *L71017-03*
Date Sampled: *07/31/08 09:30*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameters	EPA Method	Result	Qual	RA	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.01	B	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Residual			U	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Total		0.01	B	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Total Sulfur minus Sulfate									

Soil Preparation

Parameters	EPA Method	Result	Qual	RA	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 18:03	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 15:46	bjl

* *Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488653

ACZ Sample ID: *L71017-04*
Date Sampled: *07/31/08 15:00*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	*	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.02	B	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Residual									
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Sulfate			U	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Sulfur Total		0.02	B	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	08/22/08 0:00	lwt/bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	*	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 18:09	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 16:47	bjl

* Please refer to Qualifier Reports for details.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488654

ACZ Sample ID: *L71017-05*
Date Sampled: *07/31/08 08:05*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.01	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Residual			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Pyritic Sulfide									
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Total		0.01	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Total Sulfur minus Sulfate			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 18:15	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 17:48	bjl

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488655

ACZ Sample ID: *L71017-06*
Date Sampled: *07/31/08 10:50*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Flag	Units	MDL	PQL	Date/Time	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.02	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Total		0.03	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Total Sulfur minus Sulfate		0.02	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	Flag	Units	MDL	PQL	Date/Time	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 18:21	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 18:49	bjl

* Please refer to Qualifier Reports for details.

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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488656

ACZ Sample ID: *L71017-07*
Date Sampled: *07/31/08 11:10*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	RL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.04	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Sulfate			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Total		0.05	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Total Sulfur minus Sulfate		0.05	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	RL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 18:27	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 19:50	bjl

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488657

ACZ Sample ID: *L71017-08*
Date Sampled: *07/31/08 11:25*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	Flag	Units	MDL	PQL	Date Analyzed	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.05	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Residual			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Pyritic Sulfide			B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Sulfate		0.03	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Total		0.08	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Total Sulfur minus Sulfate		0.05							

Soil Preparation

Parameter	EPA Method	Result	Qual	Flag	Units	MDL	PQL	Date Analyzed	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 18:33	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 20:50	bjl

* *Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488658

ACZ Sample ID: *L71017-09*
Date Sampled: *07/31/08 11:35*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic		0.06	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Residual									
Sulfur Pyritic Sulfide		0.01	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Sulfate			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Total		0.07	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Total Sulfur minus Sulfate		0.07	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	QC	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 18:39	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 21:51	bjl

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Northern Lake Service, Inc.
Project ID: S08-3939
Sample ID: 488659

ACZ Sample ID: *L71017-10*
Date Sampled: *07/31/08 11:55*
Date Received: *08/07/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date	Analyst
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Pyritic Sulfide			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Sulfate		0.01	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Sulfur Total		0.01	B	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl
Total Sulfur minus Sulfate			U	*	%	0.01	0.1	08/23/08 0:00	lwt/bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	RL	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							08/12/08 18:45	mjc
Crush and Pulverize	USDA No. 1, 1972							08/19/08 22:52	bjl

* *Please refer to Qualifier Reports for details.*

Report Definitions

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*POV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Definitions

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

AEZ Qualifiers (Data)

B	Analyte concentration detected at a value between MDL and PQL.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for inorganic analyses are reported on an "as received" basis.

ACZ ID	QC Batch	Parameter	Method	Qualifier	Explanation
L71017-01	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L71017-02	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L71017-03	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L71017-04	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

ACZ ID	Work Order	Parameter	Method	Qual	Description
L71017-05	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L71017-06	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L71017-07	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L71017-08	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

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Inorganic Extended Qualifier Report

Northern Lake Service, Inc.

ACZ Project ID: *L71017*

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L71017-09	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L71017-10	WG250441	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Soil Analysis

Sulfur Forms	M600/2-78-054 3.2.4

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 108743

CLIENT	Flambeau Mining Co.
ADDRESS	N4100 Hwy 27
CITY / STATE / ZIP	Ladysmith / WI / 54848
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Jana E. Murphy
PHONE	715-532-1690
PURCHASE ORDER NO.	
FAX	715-532-1685

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	LAB USE ONLY	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)												COLLECTION REMARKS (i.e. DNR Well ID #)
1.	1054	S-SS-MS-1	7/31/08	0900	Soil		X	X	X								
2.	1055	S-SS-MS-2	7/31/08	0830													
3.	1056	S-SS-MS-3	7/31/08	0930													
4.	1053	S-SS-MS-4	7/28/08	1500													
5.	1051	S-SS-MS-5	7/31/08	0805													
6.	1057	S-SS-HH-1	7/31/08	1050													
7.	1052	S-SS-HH-2	7/31/08	1110													
8.	1060	S-SS-HH-3	7/31/08	1125													
9.	1058	S-SS-HH-4	7/31/08	1135													
10.	1059	S-SS-HH-5	7/31/08	1155	↓		↓	↓	↓								

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 7/31/08 1600
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 8/1/08
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME 8/1/08 1315

RECEIVED AT NLS BY (signature)	DATE/TIME 8/1/08	CONDITION	TEMP
COOLER # 4	REMARKS & OTHER INFORMATION		
WDNR FACILITY NUMBER	E-MAIL ADDRESS jana-murphy@cleanwave.net		

REPORT TO: Flambeau Mining Co.

INVOICE TO: same

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

Attachment 2

Engineering Specifications

SECTION 01 57 13

TEMPORARY EROSION AND SEDIMENT CONTROL -WISCONSIN

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes
1. Silt fence.
2. Erosion mats.

1.2 REFERENCES

A. Wisconsin DOT, Erosion Control, Product Acceptability Lists for Multi-Modal Applications (PAL), January 1999 edition.

B. American Society for Testing and Materials (ASTM)

1.	ASTM D1388	Test Method for Stiffness of Fabrics
2.	ASTM D2487	Test Method for Classification of Soils for Engineering Purposes
3.	ASTM D3776	Test Method for Mass Per Unit Area (Weight) of Woven Fabric
4.	ASTM D4632	Test Method for Grab Breaking Load and Elongation of Geotextiles
5.	ASTM D4751	Standard Test Method for Determining Apparent Opening Size of a Geotextile
6.	ASTM D4833	Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products
7.	ASTM D5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)
8.	ASTM D5338	Standard Test Method for Determining Aerobic Biodegradation of Plastic Materials Under Controlled Composting Conditions

1.3 SYSTEM DESCRIPTION

A. Design Requirements
1. Select and design method of erosion and sediment control in accordance with local erosion control ordinances. Follow the State Construction Site Best Management Practices.

B. Provide erosion control shown on the Drawings, as a minimum.

C. Provide additional erosion and sediment control prevent erosion which may be caused due to selected construction methods.

1.4 SUBMITTALS

A. Manufacturer's certification for manmade products.

PART 2 - PRODUCTS

2.1 SILT FENCE

A. Geotextile Fabric
1. Fabric shall be either woven or non-woven polyester, polypropylene, stabilized nylon, polyethylene or polyvinylidene chloride.
2. Fabric shall have the minimum strength values in the weakest principal direction.
3. Non-woven fabric may be needle punched, heat bonded, resin bonded or combination thereof.
4. Fabric shall meet the following requirements:

a. Grab Tensile Strength	ASTM D4632	101 lbs. (450 N)
b. Apparent Opening Size	ASTM D4751	U.S. Sieve No. 30
c. Puncture Resistance	ASTM D4833	65 lbs.

B. Support Posts
1. Wood or steel construction minimum length 5 feet.
2. Wood posts - 2" x 2" or equivalent steel posts.

2.2 TEMPORARY VEGETAL COVER

A. Temporary Seed Mixture Components

Species	Min. % Purity	Min. % Germ.	Lbs. per Acre
Oats	98	90	80
Rye	98	85	100

B. Use rye grass when permanent seeding is to follow within one (1) year.

2.3 TEMPORARY EROSION MATS

A. General
1. Matting will be 100% biodegradable.

B. Types
1. Type A:
   a. Used for slopes 2.5:1 or flatter (not to be used in channels).
   b. Minimum shear stress required is 1.0 lbs/ft2 (50 pa).
   c. Not to be used in channels.
2. Type B:
   a. Used for slopes 2:1 or flatter or in channels when design shear stress is less than the minimum shear stress of the mat used.
   b. Minimum shear stress required is 1.5 lbs/ft2 (70 pa).
   c. Channel mat roll width shall be 6 feet (1.8m) or greater.
3. Type Urban (Urban Areas and Lawn Areas Where Mowing Will Occur):
   a. Use only 100% organic biodegradable netted products including parent material, stitching and netting.
   b. Minimum thickness shall be ⅜ inch (9mm) as measured in-place.
   c. Mats placed on slopes as shown on the project Figure.

C. Anchoring Devices
   1. Anchoring and components for temporary erosion mats shall be completely biodegradable as determined by ASTM D5338.
   2. Materials shall be environmentally safe for soil and groundwater.
   3. Do not use petroleum based plastics or composites.
   4. Do not use materials which may present a hazard from splintering or spearing.
   5. Design anchors to hold a minimum of two months and be substantially degraded within four months during the summer (warm soil conditions).

D. Material Properties
   1. Porosity Calculated 85-90%.
   2. Biodegradable 100%
   3. Weight ASTM D3776 8oz/s.y.
   4. 100% seed free.

PART 3 - EXECUTION

3.1 GENERAL

A. Keep disturbed areas to a minimum.

B. Stabilize and protect disturbed areas with temporary seed and mulch within 2 days of active disturbance of the soil surface.

C. Collect tracked soil and clean from paved roads near the construction site the same day it occurs.

D. Sediment control measures shall be in place at the end of each working day.

E. Locate soil stockpiles no closer than 25 feet of a roadway, wetland, or drainage control channel and control by covering the pile with tarpaulins, temporary seed and mulch or other suitable means, if the pile is exposed for 14 days or more.

F. Repair, replace, and maintain erosion and sedimentation structures until vegetation is re-established or permanent structures are installed.

G. Remove temporary erosion control structures and accumulated sediment and/or debris when vegetation is established.

3.2 EROSION AND SEDIMENTATION CONTROL DEVICES

A. Silt Fences
   1. Place geotextile (silt) fence prior to disturbing upslope areas.
   2. Excavate trench approximately 4 inches by 4 inches along perimeter of area to be fenced.
   3. Secure and continuously anchor bottom of geotextile (silt) fence with excavated material in trench bottom.
   4. Install support post on downstream side of the geotextile to a depth adequate to stabilize geotextile fence (12" minimum depth).

5. Secure geotextile to posts.
   a. Staples: ½" deep.
   b. Staple to up slope side of post.
6. Backfill over geotextile in trench and compact.
7. Maximum spacing of the posts shall not exceed 10 linear feet.

B. Erosion Mats
1. Installation:
   a. See plan details for anchor trench (at ends, checks and edges) installation procedures.
      i. Anchor trenches shall be 12" deep.
      ii. Compact anchor trench backfill.
      iii. Place staples in end and check trenches spaced at 12 inches.
   b. Follow manufacturer's specifications and instructions for placement unless project documents are more stringent.
   c. Roll width overlaps shall be 12" at edges. Pin or staple every 3 feet along overlap length.
   d. Roll end overlaps may be spliced by overlapping (in the direction of water flow) two feet with the upstream portion of the mat on top of the downstream portion. This overlap shall receive at least three pins or staples with a maximum spacing of 12 inches.
   e. Place mat flat conforming to contours in soil surface. Do not stretch mat.
   f. Place mat from toe of slope toward top of slope.
   g. Mat can be placed from downstream toward upstream or from upstream toward downstream.
2. Site Preparation
   a. Place seed and fertilizer prior to placing permanent erosion geomat.
   b. Ground surface shall be smooth and compact.
   c. Remove all rocks, dirt clods, stumps, roots, grass clumps, trash and other obstructions from lying in direct contact with the soil surface and the erosion mat.

3.3 MAINTENANCE

A. Inspect silt fences and filter barriers immediately after each rainfall and at least daily during prolonged rainfall.
1. Make any required repairs immediately.
2. Maintain temporary erosion and sedimentation control structures until permanent soil erosion controls are completed and/or vegetation is established.
   a. Repair damaged structures.
   b. Replace lost structures.
   c. Remove sediment from deposition areas adjacent to erosion control structures without damaging structures on a regular basis.
   d. Refill eroded areas as required for grade stabilization.

B. If the fabric on a silt fence or filter barrier decomposes or becomes ineffective prior to the end of the expected usable life and the barrier still be necessary, replace the fabric promptly.

C. Remove sediment deposits after each major storm event and when deposits reach approximately one-half the height of the barrier.

D. Remove any sediment deposits remaining in place after the silt fence or filter barrier is no longer required and dress to conform with the existing grade, prepared and seeded.

E. Repair/restore any washed out areas.

F. Maintenance period to be entire project period including the one year warranty.

G. Owner may direct Contractor to remove the temporary erosion control measures any time during the one year correction period.

H. Construct permanent erosion control measures immediately after earthwork is completed.

- END OF SECTION -

SECTION 31 22 13

GRADING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes
1. Earthmoving to reshape contour grades
2. Disposal of excess or unsuitable earth material
3. Finish Grading

B. Allowances
1. If so stated in specification section "Allowances", grading installation testing will be paid as an allowance. All other testing shall be incidental to the work.

1.2 REFERENCES

A. American Society for Testing and Materials (ASTM)
1. D1557 Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-Lb (4.54 kg) Rammer and 18 in. (457 mm) Drop
2. D2216 Laboratory Determination of Water (Moisture) Content of Soil, Rock, and Soil-Aggregate Mixtures

1.3 QUALITY ASSURANCE

A. When the testing results show that the work is of an acceptable nature, the acceptance of the work shall not relieve the Contractor from making corrections to the tested work during the warranty period. The Owner or owner's representative shall be allowed to sample the source materials prior to work.

1.4 PROJECT CONDITIONS

A. Existing Utilities
1. Locate all utilities prior to start of Work.
2. Do not interrupt utilities service to occupied facilities or pumping facilities unless approved by the owner of the facilities being interrupted.

B. Existing Features to Remain
1. Identify and protect exiting features located on or adjacent to the Site which are to remain as a portion of the final improvements.
2. Provide protection of curbs, walks, drives, roads, structures and other surfaces to remain from chipping, cracking and any other damage.
3. Provide protection of trees, shrubs, fences, plantings and other features from damage.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Suitable Fill Material
1. Gravel, free from organics, topsoil, plants, roots, frozen materials, rocks and clods larger than 3 inches in size, building debris or other deleterious material.
2. Topsoil with appropriate organic content and lightly compacted.

PART 3 - EXECUTION

3.1 PREPARATION

A. Protection
1. Locate and protect surface features to remain.
2. Locate and protect utilities.
3. Locate and protect survey markers, bench marks and grading stakes.
4. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by grading operations.
5. Protect and maintain erosion and sedimentation facilities.

B. Preparation
1. Stake and flag above and below ground utilities.
2. Provide staking of lines and grades for rough grading and finished grading.
3. Complete "Site Clearing" work before starting grading work.
4. Complete erosion and sedimentation controls work before starting grading work.
5. Prevent surface water from entering excavations, from ponding and from flooding the Site and surrounding areas.

3.2 ROUGH GRADING

A. Rough grading is to the subgrade elevations of the topsoil and subgrade elevations of other surfaces.

B. Subgrade Excavation
1. Excavate subsoil from areas where the subgrade elevations are lower that the existing subgrade elevations.
2. Excavate to subgrade elevations within plus or minus 0.1 foot.

C. Filling
1. Place excavated earth in areas where the proposed subgrade is above the existing subgrade elevations.
2. Place earth fill in one layer to proposed subgrade elevations within plus or minus 0.1 foot of final subgrade elevation as follows:
   a. Layer thickness shall be dependent on the soil classification type, weight, and soil contact pressure of compaction equipment being used.
   b. Compact each layer of travel using a compaction method appropriate for soil material being compacted and provide sufficient soil contact pressure to thoroughly compact entire lift thickness.

D. Proof-Rolling Subgrade
1. Immediately following fine grading operations, proof-roll the subgrade.
2. Soft or yielding areas shown during proof-rolling shall be over-excavated and replaced with select fill material.
3. Proof-roll finished cut and fill subgrades.
4. Method and equipment used shall be suitable for intended use.

3.3 FINISH GRADING

A. Placing Topsoil
1. After structures and pavements are installed and properly cured, place topsoil in areas to be landscaped to finished grade elevations.
2. Place to 4 inches minimum depth up to finished grade elevations.
3. Use topsoil in relatively dry state. Place during dry weather.
4. Remove stone, roots, grass, weeds, debris and other foreign material while spreading.
5. Manually spread topsoil around trees, plants, and building(s) to prevent damage which may be caused by grading equipment.

B. Finish Grading
1. Fine grade topsoil, eliminating rough and low areas to ensure positive drainage. Maintain levels, profiles, and contours of subgrades.
2. Adjust slopes by grading so that transition is smooth and gradual.
3. The crests of cut banks shall be rounded and shaped.
4. Refill, regrade and compact washouts and ruts.
5. Lightly compact placed topsoil.

3.4 DISPOSAL OF SURPLUS AND WASTE MATERIAL

A. Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property.

3.5 FIELD QUALITY CONTROL

A. Allow Owner's representative to inspect each fill or backfill layer. Proceed with subsequent earthwork only after test results for previously completed work comply with requirements.

Attachment 3

Clean Fill Test Results

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 124087
NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Client: Flambeau Mining Company
Attn: Jana Murphy
N4100 Highway 27
Ladysmith,WI 54848

Project: CPL Fill 08

Top Soil RT NLS ID: 498129
COC: 104603:1 Matrix: SO
Collected: 10/08/08 10:30 Received: 10/09/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	7.2	mg/Kg DWB	1	0.27	0.92	10/10/08	SW846 6010	721026460
Solids, total on solids	83.8	%	1	0.10*		10/09/08	ASTM D2216	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/09/08	SW846 3050M	721026460

Gravel RT NLS ID: 498130
COC: 104603:2 Matrix: SO
Collected: 10/08/08 10:40 Received: 10/09/08

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	31	mg/Kg DWB	1	0.23	0.77	10/10/08	SW846 6010	721026460
Solids, total on solids	91.5	%	1	0.10*		10/09/08	ASTM D2216	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/09/08	SW846 3050M	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: _____

Authorized by:
R. T. Krueger
President