

Appendix C

2009 Stipulation Monitoring Submittals

Flambeau Mining Company
N4100 Hwy 27
Ladysmith, WI 54848
715-532-6690
715-532-6885 (Fax)



February 2, 2010

Ms. Laura Furtman
Wisconsin Resources Protection Council
c/o Mr. Glenn Stoddard
Stoddard Law Office
130 S. Barstow St. Suite 2C
Eau Claire, WI 54701

Mr. Al Gedicks
c/o Mr. Glenn Stoddard
Stoddard Law Office
130 S. Barstow St. Suite 2C
Eau Claire, WI 54701

Attorney Dan Graff
WI Department of Natural Resources
101 S. Webster Street, LD/5
P.O. Box 7921
Madison, WI 53707

Lac Courte Oreilles Band of
Lake Superior Chippewa Indians
c/o Melissa Scanlan
Midwest Environmental Advocates
551 W. Main Street, Suite 200
Madison, WI 53703

Sierra Club
c/o Mr. Glenn Stoddard
Stoddard Law Office
130 S. Barstow St. Suite 2C
Eau Claire, WI 54701

Mr. Robert Ringstad
Rusk County Citizens Action Group
N6974 County Road A
Ladysmith, WI 54848

Mr. Tom Wilson
Northern Thunder
500 East Jefferson Street
Viroqua, WI 54665

WI Resources Protection Council
c/o Mr. Glenn Stoddard
Stoddard Law Office
130 S. Barstow St. Suite 2C
Eau Claire, WI 54701

Dear All:

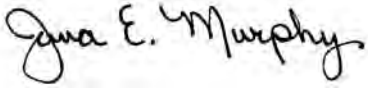
Re: 2009 Stipulation Monitoring Results Summary – Flambeau Mining Company

Flambeau Mining Company (Flambeau) is providing a summary of monitoring conducted during 2009 in accordance with the May 31, 2007 Stipulation. The summary of the 2009 analytical results and field events are attached in a January 28, 2010 document prepared by Foth Infrastructure & Environment. All monitoring was conducted in accordance with the December 7, 2007 Certificate of Completion Stipulation Monitoring work plan.

If there are any questions, I can be contacted at 715-532-6690 Ext. 2 or jana-murphy@clearwire.net.

Stipulation Parties
February 2, 2010
Page 2

Sincerely,

A handwritten signature in black ink that reads "Jana E. Murphy". The signature is written in a cursive style with a large initial "J" and "M".

Environmental & Reclamation Manager

Attachment

Cc: Tom Aartila, WDNR – Park Falls
Dave Cline, Rio Tinto
John Coleman, GLIFWC
Phil Fauble, WDNR
Hank Handzel, DeWitt, Ross & Stevens
Jim Hutchison, Foth
Jon Kleist, WDNR – Ladysmith
Craig Roesler, WDNR - Hayward



Memorandum

January 28, 2010

TO: Jana E. Murphy, Flambeau Mining Company

CC: Steve Donohue, Foth Infrastructure & Environment, LLC
Hank Handzel, DeWitt, Ross & Stevens, LLP
Dave Cline, Kennecott Minerals Company
Master File 08F777-5001

FR: Sharon V.F. Kozicki, CEM, P.G., Foth Infrastructure & Environment, LLC
Jim Hutchison, Foth Infrastructure & Environment, LLC
Greg Parins, Foth Infrastructure & Environment, LLC

RE: 2009 Stipulation Monitoring Results – Flambeau Mining Company

Introduction

Foth Infrastructure & Environment, LLC (Foth) has prepared a summary of field events and analytical results of monitoring conducted during 2009 in accordance with item Number 6 of the May 31, 2007 Stipulation Agreement.

Biota and surface water sampling results are summarized by the following areas:

- ◆ Stream A (SW-A1),
- ◆ Stream B (SW-B1),
- ◆ Stream C (SW-C1, SW-C3, SW-C8),
- ◆ Flambeau River (SW-1, SW-2, SW-3),
- ◆ Walleye (F-1, F-2)
- ◆ Crayfish (M-1, M-2, M-3)

Methodology and results of 2009 stipulated monitoring events are summarized below.

Lab data has been provided to the parties to the stipulation in correspondence from Flambeau Mining Company (Flambeau) on July 3, 2009 and December 31, 2009.

Methods

Surface Water Monitoring

Surface water sampling was attempted at three points where focused runoff leaves the mine site as well as at locations SW-C3 (located east of Highway 27 north of the rail spur) and SW-C8 (part of the biofilter management sampling plan). The focused runoff surface water sample locations were where Stream A leaves the mine site (SW-A1), Stream B near the outlet of the 1.7 acre constructed wetland (SW-B1), and Stream C downstream of the crossing at Copper Park Lane (SW-C1). Surface water sampling locations are identified in attached Figure 1.

2737 S. Ridge Rd., Ste. 600 PO Box 12326 Green Bay, WI 54307-2326 (920) 497-2500 Fax: (920) 497-8516

Surface water sampling was also conducted at three points within the Flambeau River – upstream from the mine site at the end of Blackberry Lane, approximately 100 yards downstream from the former Outfall 001, and at a point below the mouth of Stream C but above the mouth of Meadowbrook Creek. Figure 1 identifies sample locations.

The grab surface water samples were analyzed for sulfate, copper, iron, manganese, zinc, total hardness, and field pH and field conductivity. An estimate of flow data (qualitative or quantitative) was also recorded. Table 1 contains a field data summary and Table 2 contains a monitoring summary.

A surface water sample could not be obtained at SW-A1 during the spring or fall because there was not enough precipitation to cause flow at this location. Surface water samples could also not be obtained at SW-B1, SW-C3 or SW-C8 during the fall because there was not enough precipitation to cause flow at these locations.

Walleye Sampling

On September 16 and 17, 2009, a representative of Foth Infrastructure and Environment (Foth) with assistance from EA Associates (EA), Deerfield, IL, electroshocked two impoundments on the Flambeau River located above and below the former Flambeau Project Area, shown on Figure 1. These impoundments included the flowage above the Ladysmith Dam (upstream sample location) and above the Thornapple Dam (downstream location). The purpose of this activity was to conduct metals analysis (copper, iron, manganese, zinc) of fish (walleye) livers at the specified sites in accordance with the May 31, 2007 Stipulation. In addition to liver analysis, captured fish were aged, sexed, lengths recorded, and stomach contents evaluated. Relative abundance of all fish encountered was also recorded for each flowage.

Acceptable sampling methods for fish collection include hook and line, electrofishing, and fyke netting. Consistent with previous years during active mining, electrofishing was used for the collection of walleye. Walleye in the following size ranges were targeted for collection:

- 10 to 12 inches - one fish
- 12 to 15 inches - two fish
- 15 to 18 inches - three fish
- 18 to 22 inches - two fish
- > 22 inches - one fish

Electrofishing was conducted on the Ladysmith Flowage on September 16, 2009 and on the Thornapple Flowage on September 17, 2009. Approximately 30% of the workable shoreline of the Thornapple Flowage was sampled (3.0 hours of energized time). Weather conditions during the collection period included a clear sky with a temperature in the upper 40's (°F). Water conditions included a temperature of 22.4°C, dissolved oxygen of 6.6 mg/L, and specific conductance of 162 (µS).

Approximately 60-70% of the workable shoreline of the Ladysmith Flowage was sampled (5.75 hours of energized time). Weather conditions during the collection period included a clear sky with a temperature in the mid 40's (°F). Water conditions included a temperature of 22.8°C, dissolved oxygen of 8.7 mg/L, and specific conductance of 146 µS.

During each of the collection efforts, observed fish species were recorded. As in previous years, fish in the largest walleye size class were not obtained from the Ladysmith Flowage. Therefore, in the Ladysmith Flowage, fish collected in the next lower size class were substituted for the largest size. In 2009 all fish of the intended size were obtained from the Thornapple Flowage.

Walleye which met the criteria for length were set aside in tubs of ice water for further processing. Walleye were measured for length, filleted, and certain organs were extracted for analysis. Scales of each walleye were extracted for aging as were dorsal spines on the largest walleye.

The livers from each of the nine walleye from a single flowage were composited into a single sample for analysis. Livers were analyzed for copper, manganese, iron, and zinc in accordance with the May 31, 2007 Stipulation. Individual walleye stomachs were extracted and preserved in formalin, the contents of which were analyzed on an individual basis. Walleye livers once processed were placed on ice for transport to Northern Lake Service (Crandon, Wisconsin) for analysis. Walleye stomachs were retained by Foth for analysis.

Crayfish Sampling

On September 16 and 17, 2009 Foth Infrastructure and Environment (Foth) completed crayfish collection activities at three sites on the Flambeau River downstream of Ladysmith, Wisconsin. This activity was conducted at the request of Flambeau Mining Company (Flambeau) in accordance with the May 31, 2007 Stipulation. Crayfish were collected in a manner similar to collection activities which were conducted during the active phase of the Flambeau Mining Operation. As in previous collection efforts, the purpose of the crayfish collection was to conduct metals analysis of crayfish at selected sites upstream and downstream of the now reclaimed Flambeau Mine Site. Between 25 and 30 crayfish were collected at each of the following sites, which are also shown on Figure 1.

- ◆ The Flambeau River at the Blackberry Lane access (upstream site)
- ◆ The Flambeau River at Meadowbrook Creek (downstream site) immediately above Meadowbrook Creek and adjacent to the confluence with Stream C
- ◆ The Flambeau River at the site of the former Port Arthur Dam (downstream site)

All samples were collected using an 8 by 18 inch rectangular net with 800 to 900 micron mesh size. Crayfish were collected by using a kick seine method.

Specimens were composited for each site in a Ziploc bag and placed on ice. Specimens were transported to Northern Lake Service, Crandon, Wisconsin for metals analysis (copper, iron, manganese, and zinc) as in accordance with the May 31, 2007 Stipulation.

In order to fulfill the number of crayfish required for analysis, sampling at Blackberry Lane included collection of crayfish from both sides of the River.

Crayfish collection times are summarized in Table 7.

Results

The following sections discuss the results by area of sampling complete in 2009.

Stream A

Surface water samples could not be obtained from SW-A1, shown on Figure 1, due to insufficient water.

Stream B

Surface water sample SW-B1 is shown on Figure 1. Total copper present in surface water at SW-B1 was 5.9 µg/l in April 2009. No sample was collected during the Fall sampling due to insufficient water.

Stream C

Stream C sample locations SW-C1, SW-C3, and SW-C8 were sampled as part of the stipulated monitoring and are shown on Figure 1. Surface water was collected from SW-C1, SW-C3, and SW-C8. Total copper in surface water ranged from 11 to 26 µg/l on April 25, 2009. Samples could not be collected at SW-C3 or SW-C8 during the fall sampling due to insufficient water. The copper concentration at SW-C1 was 24 µg/l on October 3, 2009.

Flambeau River

Flambeau River surface water locations SW-1, SW-2, and SW-3 are shown on Figure 1. Total copper concentrations in surface water ranged from an estimated 1.6 µg/l to an estimated 2.4 µg/l in April 2009 and from nondetectable to an estimated 1.6 µg/l in October 2009, shown in Table 2.

Walleye

Total species of fish observed and their relative abundance are provided in Table 3. The physical data of the walleye collected for analysis is provided in Table 4. An analysis of the stomach contents of the walleye is provided in Table 5. Analytical results of fish livers are provided in Table 6. A copy of the lab report relative to this report is provided in Appendix A.

Data provided in Tables 3 through 6 is consistent with the data which was obtained in previous years.

Crayfish

The sample date and time and number of crayfish collected are shown in Table 7. Water levels in the Flambeau River during which the crayfish were collected were considered low. Water level in the river on the day of collection appeared to be approximately one foot below bank stage at Blackberry Lane and Meadowbrook Creek to about bank stage at Port Arthur Dam. Water stage will normally fluctuate one to two feet during the day when water is discharged for power generation at the Ladysmith Dam. Water temperature during crayfish collection was 20.5°C at Blackberry lane, 20.6°C at Meadowbrook Creek and 20.6°C at Port Arthur Dam.

The results of the analysis of the crayfish appear in Table 8. Raw laboratory results are provided in Appendix A. The results represent a composite from all crayfish collected per site. Whole bodies were used for analysis.

Conclusion

Based on the results of the 2009 stipulated sampling, water quality leaving the site has not had a significant adverse impact to offsite areas or reclaimed areas of the mine.

Tables

Table 1
2009 Surface Water Field Data
Flambeau River, Ladysmith, Wisconsin

Location	Lat.	Long.	Sample Date	pH S.U.	Cond. $\mu\text{s/cm}$	Temp °C	Flow	Notes
Spring 2009								
SW-C8	91° 6.7	45° 26.3	04/25/09	6.0	1032	12.2	Low	
SW-A1	91° 7.2	45° 26.6	04/25/09	--	--	--	None	
SW-B1	91° 7.3	45° 26.4	04/25/09	6.6	74	NA	Low	
SW-C1	91° 6.8	45° 26.2	04/25/09	6.4	297	NA	Moderate	
SW-1	91° 7.7	45° 26.8	04/25/09	8.6	124	NA	Moderate	
SW-2	91° 7.2	45° 26.2	04/25/09	8.5	122	NA	Moderate	
SW-3	91° 7.1	45° 26.0	04/25/09	8.3	122	NA	Moderate	
SW-C3	91° 6.6	45° 26.3	04/25/09	6.0	53	6.7	Not Noted	
Fall 2009								
SW-C8	91° 6.7	45° 26.3	10/3/09	--	--	--	None	
SW-A1	91° 7.2	45° 26.6	10/3/09	--	--	--	None	
SW-B1	91° 7.3	45° 26.4	10/3/09	--	--	--	None	
SW-C1	91° 6.8	45° 26.2	10/3/09	6.5	109	9.8	Low	
SW-1	91° 7.7	45° 26.8	10/3/09	8.5	151	14.2	Low	
SW-2	91° 7.2	45° 26.2	10/3/09	8.8	149	14.2	Low	
SW-3	91° 7.1	45° 26.0	10/3/09	8.7	149	13.7	Low	
SW-C3	91° 6.6	45° 26.3	10/3/09	--	--	--	None	

Notes:

¹ = All locations were surveyed during the spring 2007 event except SW-A1 and SW-C3 which were surveyed during the spring 2008 event.

² = Location SW-C8 also sampled as part of the Biofilter Management Sampling Plan.

Lat. = Latitude

Long. = Longitude

Cond. = Conductivity

$\mu\text{s/cm}$ = microsiemens per centimeter

S.U. = Standard Unit

°C = Degrees Celsius

Prepared by: SVF

Checked by: JBH1

Table 2
Surface Water Sampling Analytical Results

Spring 2009

		Sample ID	SW-1	SW-2	SW-3	SW-A1	SW-B1	SW-C1	SW-C3	SW-C8
		Collection Date	4/25/2009	4/25/2009	4/25/2009	No Flow	4/25/2009	4/25/2009	4/25/2009	4/25/2009
Parameter	Units	Area	Flambeau River	Flambeau River	Flambeau River	Stream A	Stream B	Stream C	Stream C	Stream C
Conductivity, lab	umho@25C		123	123	123	No Flow	75	290	51	1000
Copper, tot.	ug/L		1.6 J	1.6 J	2.4 J	No Flow	5.9	22	11	26
Hardness, tot.	mg/L		48	48	49	No Flow	23	30	17	41
Iron, tot.	mg/L		0.41	0.43	0.44	No Flow	0.97	0.35	0.4	0.84
Manganese, tot.	mg/L		51	51	55	No Flow	260	25	420	260
pH, Lab	s.u.		7.93	7.82	7.49	No Flow	6.78	6.68	6.22	6.19
Sulfate, as SO4 (unfiltered)	mg/L		8.7	9	8.5	No Flow	2.8 J	7.6	11	6.2
Zinc, tot.	ug/L		6.5 J	6.0 J	7.4 J	No Flow	7.1 J	67	12	51

Fall 2009

		Sample ID	SW-1	SW-2	SW-3	SW-A1	SW-B1	SW-C1	SW-C3	SW-C8
		Collection Date	10/3/2009	10/3/2009	10/3/2009	No Flow	No Flow	10/3/2009	No Flow	No Flow
Parameter	Units	Area	Flambeau River	Flambeau River	Flambeau River	Stream A	Stream B	Stream C	Stream C	Stream C
Conductivity, lab	umho@25C		157	155	149	No Flow	No Flow	113	No Flow	No Flow
Copper, tot.	ug/L		<10	0.32 J	1.6 J	No Flow	No Flow	24	No Flow	No Flow
Hardness, tot.	mg/L		64	60	61	No Flow	No Flow	18	No Flow	No Flow
Iron, tot.	mg/L		0.18	0.17	1.0	No Flow	No Flow	1.2	No Flow	No Flow
Manganese, tot.	mg/L		66	56	200	No Flow	No Flow	47	No Flow	No Flow
pH, Lab	s.u.		7.13	7.67	6.54	No Flow	No Flow	6.94	No Flow	No Flow
Sulfate, as SO4 (unfiltered)	mg/L		9.4	9.8	9.7	No Flow	No Flow	7.9	No Flow	No Flow
Zinc, tot.	ug/L		2.2 J	<2.0	8.1 J	No Flow	No Flow	62	No Flow	No Flow

Notes:

- During spring 2009 no surface water flow was observed at SW-A1 therefore no sample could be collected.
- During fall 2009 no surface water flows were observed at SW-C3, SW-C8, SW-A1, or SW-B1 therefore no samples could be collected.
- J - Analyte detected between the limit of detection and limit of quantitation
- mg/L - milligrams/Liter
- NA - not applicable
- SO4 - Sulfate
- S.U. - Standard Unit
- tot. - total
- ug/L - micrograms/Liter
- umho@25C - micromho at 25 degrees Celcius
- < - Analyte not detected above the limit of detection

Table 3
 Fish Species Observed
 Flambeau River, Ladysmith, Wisconsin
 September 2009

Species	<u>Relative Abundance</u>	
	Thornapple Flowage	Ladysmith Flowage
Northern pike	C	P
Muskellunge	C	A
Golden shiner	P	P
Silver redhorse	A	C
Golden redhorse	C	--
White sucker	P	A
Trout-perch	--	C
Black bullhead	C	--
Yellow bullhead	P	P
Burbot	P	P
Bluegill	A	A
Rock bass	C	A
Pumpkinseed sunfish	P	--
Smallmouth bass	A	A
Black crappie	P	P
Yellow perch	C	A
Walleye	A	C
Logperch	C	A

Prepared by: GJP
 Checked by: SVF

A = abundant
 C = common
 P = present
 -- = not observed in that particular flowage

Table 4
Physical Data of Walleye
Flambeau River, Ladysmith, Wisconsin
September 2009

ID No.	Length (mm)	Weight (g)	Sex*	Age
Thornapple Flowage				
WE-TA-01	298	220	U*	3
WE-TA-02	370	415	M	3
WE-TA-03	372	445	M	3
WE-TA-04	417	715	F	4
WE-TA-05	412	640	M	4
WE-TA-06	396	580	M	4
WE-TA-07	501	1050	F	6
WE-TA-08	558	1850	F	8
WE-TA-09	620	2270	F	9
Ladysmith Flowage				
WE-LS-01	292	210	U*	3
WE-LS-02	317	260	M	3
WE-LS-03	362	440	F	3
WE-LS-04	383	490	M	3
WE-LS-05	396	510	F	3
WE-LS-06	415	640	F	4
WE-LS-07	423	635	F	5
WE-LS-08	488	1060	M	6
WE-LS-09	508	1110	F	6

*U=unsexed, M=male, F=female

Prepared by: GJP
Checked by: SVF

Table 5
Stomach Analysis of Walleye
Flambeau River, Ladysmith, Wisconsin
September 2009

<u>Thornapple Flowage</u>			
Sample ID	Percent Full	Type of Content	General Comment
WE-TA-01	0	None	None
WE-TA-02	0	None	None
WE-TA-03	90	1 Minnow, 8.2 cm	Mostly digested
WE-TA-04	0	None	None
WE-TA-05	0	None	None
WE-TA-06	0	None	None
WE-TA-07	0	None	None
WE-TA-08	90	1 Minnow (bullhead), 10.1 cm	Mostly digested
WE-TA-09	90	1 Minnow, 8.9 cm	Mostly digested
<u>Ladysmith Flowage</u>			
WE-LS-01	20	1 stonefly, 1.1 cm	Slightly digested
WE-LS-02	10	2 partial macroinvertebrates	Mostly digested
WE-LS-03	40	1 Crayfish, 1.8 cm 2 Minnows (bullhead), 5.5 cm, 3.8 cm, vegetative matter	Slightly digested
WE-LS-04	90	1 minnow, 2.2 cm	Mostly digested
WE-LS-05	0	None	None
WE-LS-06	0	2 Minnows (bullhead), 3.5 cm, 2.8 cm	None
WE-LS-07	80	1 Dragon fly nymph, 1.9 cm	Mostly digested
WE-LS-08	20	None	Slightly digested
WE-LS-09	0	None	None

Prepared by: GJP
Checked by: SVF

Table 6
 Metals Analysis of Walleye Liver
 Flambeau River, Ladysmith, Wisconsin
 2009 (mg/kg)

Sample ID	Collection Date	Collection Time	Cu	Fe	Mn	Zn
<u>Thornapple Flowage</u>						
WE-TA-1-9 (F-2)	9/17/09	23:00	21	89	1.3	19
<u>Ladysmith Flowage</u>						
WE-LS-1-9 (F-1)	9/16/09	23:30	19	81	2.5	20

NA = Not Analyzed
 Data for Thornapple fish liver sample has a lab ID# 537108
 Data for Ladysmith fish liver sample has a lab ID# 537107

Prepared by: GJP
 Checked by: SVF

Table 7
Crayfish Sampling Inventory
September 16, 2009

Site Location	Date/Time of Collection	Number of Crayfish
Blackberry Lane	9/16/09 13:30	30
Port Arthur Dam	9/16/09 14:50	30
Meadowbrook Creek	9/17/09 15:00	30

Prepared by: GJP
Checked by: SVF

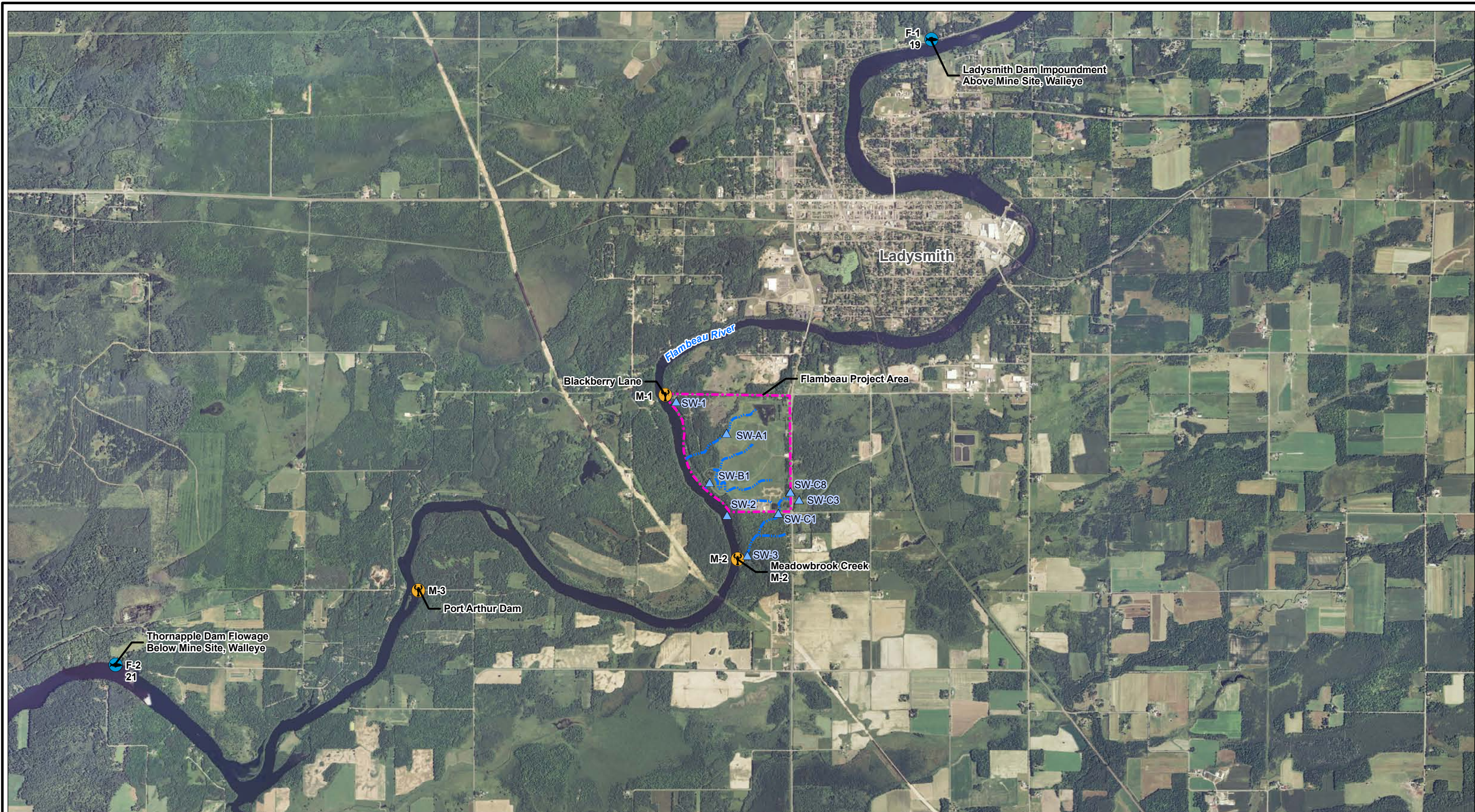
Table 8
 Metals analysis of Crayfish
 Flambeau River, Ladysmith, Wisconsin
 Results in mg/kg
 2009

Sample ID	Copper	Iron	Manganese	Zinc
<u>Blackberry Lane</u>				
FMC CR-BBL(M-1)	18	47	260	19
<u>Meadowbrook Creek</u>				
FMC CR-MBC(M-2)	25	55	180	16
<u>Port Arthur Dam</u>				
FMC CR-PAD(M-3)	26	54	220	16

Data for Blackberry Lane is represented by Sample ID# 537104, Meadowbrook Creek by Sample ID#537105, and Port Arthur Dam by ID#537106

Prepared by: GJP
 Checked by: SVF

Figures



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).

LEGEND

- ▲ Surface Water Sample
- Fish Sample Area
- Crayfish Sample Area
- Flambeau Project Area



Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION
CHECKED BY: SVF		DATE: JAN. '10	
APPROVED BY: JBH1		DATE: JAN. '10	
APPROVED BY:		DATE:	

FLAMBEAU MINING COMPANY

FIGURE 1
STIPULATED MONITORING LOCATIONS

Scale: 0 1,500 3,000 Feet Date: JANUARY, 2010

Prepared by: DAT Project No: 08F777

Attachment 1

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
 WDATCP Laboratory Certification No. 105-330
 EPA Laboratory ID No. WI00034
 Printed: 09/24/09 Code: S Page 1 of 2
 NLS Project: 136670
 NLS Customer: 11750
 Fax: 715 532 6885 Phone: 715 532 6690

NORTHERN LAKE SERVICE, INC.
 Analytical Laboratory and Environmental Services
 400 North Lake Avenue - Crandon, WI 54520
 Ph: (715)-478-2777 Fax: (715)-478-3060
 Client: Flambeau Mining Company
 Attn: Jana Murphy
 N4100 Highway 27
 Ladysmith, WI 54848
 Project: 2009 Biota

FMC-CR-BBL (M-1) NLS ID: 537104
 COC: 104753:1 Matrix: TI
 Collected: 09/16/09 13:30 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	18	mg/Kg WWB	1	0.035	0.13	09/23/09	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	47	mg/Kg WWB	1	0.23	0.70	09/23/09	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	260	mg/Kg WWB	10	0.15	0.52	09/23/09	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	19	mg/Kg WWB	1	0.028	0.11	09/23/09	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					09/23/09	SW846 3050M	721026460
Misc. Sample Prep	yes					09/22/09	NA	721026460

FMC-CR-MBC (M-2) NLS ID: 537105
 COC: 104753:2 Matrix: TI
 Collected: 09/17/09 15:40 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	25	mg/Kg WWB	1	0.035	0.13	09/23/09	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	55	mg/Kg WWB	1	0.23	0.70	09/23/09	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	180	mg/Kg WWB	10	0.15	0.52	09/23/09	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	16	mg/Kg WWB	1	0.028	0.11	09/23/09	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					09/23/09	SW846 3050M	721026460
Misc. Sample Prep	yes					09/22/09	NA	721026460

FMC-CR-PAD (M-3) NLS ID: 537106
 COC: 104753:3 Matrix: TI
 Collected: 09/16/09 14:50 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	26	mg/Kg WWB	1	0.032	0.12	09/23/09	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	54	mg/Kg WWB	1	0.21	0.65	09/23/09	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	220	mg/Kg WWB	10	0.14	0.48	09/23/09	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	16	mg/Kg WWB	1	0.026	0.10	09/23/09	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					09/23/09	SW846 3050M	721026460
Misc. Sample Prep	yes					09/22/09	NA	721026460

WE-LS-(1-9)(F-1) NLS ID: 537107
 COC: 104753:4 Matrix: TI
 Collected: 09/16/09 23:30 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	19	mg/Kg WWB	1	0.038	0.14	09/23/09	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	81	mg/Kg WWB	1	0.25	0.75	09/23/09	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	2.5	mg/Kg WWB	1	0.016	0.056	09/23/09	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	20	mg/Kg WWB	1	0.030	0.12	09/23/09	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					09/23/09	SW846 3050M	721026460
Misc. Sample Prep	yes					09/22/09	NA	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

Printed: 09/24/09 Code: S Page 2 of 2

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

NLS Project: 136670

NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: 2009 Biota

WE-TA-(1-9)(F-2) NLS ID: 537108

COC: 104753:5 Matrix: TI

Collected: 09/17/09 23:00 Received: 09/18/09

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	21	mg/Kg WWB	1	0.036	0.13	09/23/09	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	89	mg/Kg WWB	1	0.24	0.71	09/23/09	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	1.3	mg/Kg WWB	1	0.015	0.053	09/23/09	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	19	mg/Kg WWB	1	0.028	0.11	09/23/09	SW846 6010	721026460
Metals digestion - tot. recov (solid) ICP	yes					09/23/09	SW846 3050M	721026460
Misc. Sample Prep	yes					09/22/09	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
 DWB = Dry Weight Basis
 MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

ND = Not Detected (< LOD)
 %DWB = (mg/kg DWB) / 10000

1000 ug/L = 1 mg/L

Reviewed by:

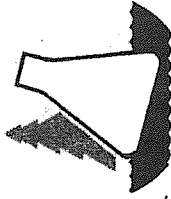
 R. T. Krueger
 President

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. 104753

CLIENT: Flambeau Mining Co.
 ADDRESS: N4100 Hwy 87 STATE: WI ZIP: 54721
 CITY: Ladysmith QUOTATION NO.:
 PROJECT DESCRIPTION / NO.: 2009 Biota
 DNR FID # 855 034730 DNR LICENSE # 03180
 CONTACT: Juan Murphy PHONE: 715-532-1000
 PURCHASE ORDER NO.: 715-532-10885

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	Filter	Grab	Composite
Water	X		
Sludge			
Soil			
Air			
Drinking Water			
Groundwater			
Waste Water			
Surface Water			

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

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (see above)	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	537104	FMC-CR-BB6(m-1)	9/16/09	1330	TIS	* 30 crayfish per sample composite
2.	105	FMC-CR-MB6(m-2)	9/17/09	1500		as one sample per site
3.	106	FMC-CR-PAD(m-3)	9/16/09	1450		
4.	107	WE-LS-(1-9)X(F-1)	9/16/09	2330		* 9 Liters per sample composite as one sample per site
5.	108	WE-TA-(1-9)X(F-2)	9/17/09	2300		
6.						
7.						
8.						
9.						
10.						

COLLECTED BY (signature): [Signature] CUSTODY SEAL NO. (IF ANY)
 RELINQUISHED BY (signature): [Signature] RECEIVED BY (signature)
 DISPATCHED BY (signature): [Signature] METHOD OF TRANSPORT

DATE/TIME: 9/17/09
 DATE/TIME: 9/17/09 1:30
 DATE/TIME:

REPORT TO: Flambeau Mining Co.
 INVOICE TO: Flambeau Mining Co.

RECEIVED AT NLS BY (signature): [Signature]
 COOLER #: 100-1018-Physicochemical
 PRESERVATIVE: N = nitric acid, OH = sodium hydroxide, NP = no preservative, Z = zinc acetate, HA = hydrochloric & ascorbic acid, M = methanol, H = hydrochloric acid, S = sulfuric acid

DATE/TIME	CONDITION	TEMP.
9-18-09 11:35	DRUG	

REMARKS & OTHER INFORMATION: 100-1018-Physicochemical

WDNR FACILITY NUMBER: 100-1018-Physicochemical
 E-MAIL ADDRESS:

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

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
 WDATCP Laboratory Certification No. 105-330
 EPA Laboratory ID No. WI00034
 Printed: 05/07/09 Code: S Page 1 of 2

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

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

NLS Project: 131014
 NLS Customer: 11750
 Phone: 715 532 6885 Fax: 715 532 6690

Project: Surface Water-Spring 2009

SW-1 NLS ID: 519169

COC: 113706:2 Matrix: SW

Collected: 04/25/09 14:55 Received: 04/28/09

Parameter	Result
Conductivity, lab	75
Copper, tot. recoverable as Cu by ICP-Trace	5.9
Hardness, tot. recoverable as CaCO3 (calc/umfilt/trace)	23
Iron, tot. recoverable as Fe by ICP-Trace	0.97
Manganese, tot. recoverable as Mn by ICP-Trace	260
pH, Lab	6.78
Sulfate, as SO4 (unfiltered)	[2.8]
Zinc, tot. recoverable as Zn by ICP-Trace	[7.1]
Metals digestion - tot. recov.ICP	yes

SW-3 NLS ID: 519170

COC: 113706:3 Matrix: SW

Collected: 04/25/09 15:22 Received: 04/28/09

Parameter	Result
Conductivity, lab	123
Copper, tot. recoverable as Cu by ICP-Trace	[2.4]
Hardness, tot. recoverable as CaCO3 (calc/umfilt/trace)	49
Iron, tot. recoverable as Fe by ICP-Trace	0.44
Manganese, tot. recoverable as Mn by ICP-Trace	55
pH, Lab	7.49
Sulfate, as SO4 (unfiltered)	8.5
Zinc, tot. recoverable as Zn by ICP-Trace	[7.4]
Metals digestion - tot. recov.ICP	yes

SW-2 NLS ID: 519171

COC: 113706:4 Matrix: SW

Collected: 04/25/09 15:37 Received: 04/28/09

Parameter	Result
Conductivity, lab	123
Copper, tot. recoverable as Cu by ICP-Trace	[1.6]
Hardness, tot. recoverable as CaCO3 (calc/umfilt/trace)	48
Iron, tot. recoverable as Fe by ICP-Trace	0.43
Manganese, tot. recoverable as Mn by ICP-Trace	51
pH, Lab	7.82
Sulfate, as SO4 (unfiltered)	9.0
Zinc, tot. recoverable as Zn by ICP-Trace	[6.0]
Metals digestion - tot. recov.ICP	yes

Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
umho@25C	1			04/28/09	EPA 120.1	721026460
ug/L	1	1.3	4.0	05/06/09	EPA 200.7	721026460
mg/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
mg/L	1	0.033	0.10	05/06/09	EPA 200.7	721026460
ug/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
s.u.	1			04/28/09	EPA 150.1	721026460
mg/L	10	2.5	5.0	05/04/09	EPA 300.0	721026460
ug/L	1	5.0*	10*	05/06/09	EPA 200.7	721026460
				04/29/09	EPA 200.7M	721026460

Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
umho@25C	1			04/28/09	EPA 120.1	721026460
ug/L	1	1.3	4.0	05/06/09	EPA 200.7	721026460
mg/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
mg/L	1	0.033	0.10	05/06/09	EPA 200.7	721026460
ug/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
s.u.	1			04/28/09	EPA 150.1	721026460
mg/L	10	2.5	5.0	05/04/09	EPA 300.0	721026460
ug/L	1	5.0*	10*	05/06/09	EPA 200.7	721026460
				04/29/09	EPA 200.7M	721026460

Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
umho@25C	1			04/28/09	EPA 120.1	721026460
ug/L	1	1.3	4.0	05/06/09	EPA 200.7	721026460
mg/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
mg/L	1	0.033	0.10	05/06/09	EPA 200.7	721026460
ug/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
s.u.	1			04/28/09	EPA 150.1	721026460
mg/L	10	2.5	5.0	05/04/09	EPA 300.0	721026460
ug/L	1	5.0*	10*	05/06/09	EPA 200.7	721026460
				04/29/09	EPA 200.7M	721026460

ANALYTICAL REPORT

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

Printed: 05/07/09 Code: S Page 2 of 2
 NLS Project: 131014
 NLS Customer: 11750
 Phone: 715 532 6885 Fax: 715 532 6690

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

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

Project: Surface Water-Spring 2009

SW-1 NLS ID: 519172

COC: 113706:5 Matrix: SW

Collected: 04/25/09 15:54 Received: 04/28/09

Parameter

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	123	umho@25C	1			04/28/09	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[1.6]	ug/L	1	1.3	4.0	05/06/09	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/undef/trace)	48	mg/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.41	mg/L	1	0.033	0.10	05/06/09	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	51	ug/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
pH, Lab	7.93	s.u.	1			04/28/09	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	8.7	mg/L	10	2.5	5.0	05/04/09	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[6.5]	ug/L	1	5.0*	10*	05/06/09	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/29/09	EPA 200.7M	721026460

SW-C1 NLS ID: 519173

COC: 113706:6 Matrix: SW

Collected: 04/25/09 16:07 Received: 04/28/09

Parameter

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	290	umho@25C	1			04/28/09	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	22	ug/L	1	1.3	4.0	05/06/09	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/undef/trace)	30	mg/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.35	mg/L	1	0.033	0.10	05/06/09	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	25	ug/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
pH, Lab	6.68	s.u.	1			04/28/09	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	7.6	mg/L	10	2.5	5.0	05/04/09	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	67	ug/L	1	5.0*	10*	05/06/09	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/29/09	EPA 200.7M	721026460

SW-C3 NLS ID: 519174

COC: 113706:6 Matrix: SW

Collected: 04/25/09 16:39 Received: 04/28/09

Parameter

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	51	umho@25C	1			04/28/09	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	11	ug/L	1	1.3	4.0	05/06/09	EPA 200.7	721026460
Hardness, tot. recoverable as CaCO3 (calc/undef/trace)	17	mg/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.40	mg/L	1	0.033	0.10	05/06/09	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	420	ug/L	1	1.0*	2.0*	05/06/09	EPA 200.7	721026460
pH, Lab	6.22	s.u.	1			04/28/09	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	11	mg/L	10	2.5	5.0	05/04/09	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	12	ug/L	1	5.0*	10*	05/06/09	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					04/29/09	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)
 DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
 MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.
 1000 ug/L = 1 mg/L

Reviewed by: 

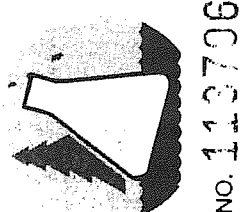
Authorized by:
 R. T. Krueger
 President

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. 113706

CLIENT Flambeau Mining Co.	
ADDRESS N4100 Hwy 27	ZIP 54948
CITY Ladysmith WI	QUOTATION NO.
PROJECT DESCRIPTION / NO. Surface Water - Spring 2009	DNR LICENSE # 03180
DNR FID # 855 034 730	PHONE
CONTACT SARA E. Murphy	PHONE 715-532-6690
PURCHASE ORDER NO.	FAX 715-532-6825

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	Y/N	G/C	Y/N	G/C	Y/N	G/C	Y/N	G/C	Y/N	G/C	Y/N	G/C	Y/N	G/C
Lead														
Mercury														
Cadmium														
Chromium														
Copper														
Iron														
Manganese														
Nickel														
Selenium														
Silver														
Vanadium														
Zinc														

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	TIME	MATRIX (See above)	COLLECTION REMARKS (i.e. DNR Well ID #)
1.						
2.	519469	SW-131	4-25-09	2:55 PM	SW	
3.	170	SW-3		3:22 PM	SW	
4.	171	SW-2		3:37 PM	SW	
5.	172	SW-1		3:54 PM	SW	
6.	173	SW-221		4:07 PM	SW	
7.	174	SW-13		4:39 PM	SW	
8.						
9.						
10.						

REPORT TO
 Flambeau Mining

INVOICE TO
 same

COLLECTED BY (signature)
 Steve Anderson

RECEIVED BY (signature)
 Steve Anderson

CUSTODY SEAL NO. (IF ANY)
 4-27-09

DATE/TIME
 4-27-09

DISPATCHED BY (signature)
 Sara E. Murphy

METHOD OF TRANSPORT
 UPS Ground

DATE/TIME
 4-27-09 4:00 PM

RECEIVED AT NLS BY (signature)
 Sara E. Murphy

CONDITION
 Fine

DATE/TIME
 4-28-09 1:30

REMARKS & OTHER INFORMATION

TEMP.

COOLER #
 478-705

WDNR FACILITY NUMBER
 WED 988428300

E-MAIL ADDRESS
 sara-murphy@flambeau.com

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

ANALYTICAL REPORT

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

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

Project: Surface Water - Fall 2009

WDNR Laboratory ID No. 721026460
 WDATCP Laboratory Certification No. 105-330
 EPA Laboratory ID No. WI00034
 Printed: 11/24/09 Code: S Page 1 of 2

NLS Project: 137260
NLS Customer: 11750
 Fax: 715 532 6885 Phone: 715 532 6690

SW-3 NLS ID: 539168

COC: 118531:1 Matrix: SW

Collected: 10/03/09 17:45 Received: 10/05/09

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	149	umho@25C	1			10/05/09	EPA 120.1	721026460
Copper, tot, recoverable as Cu by ICP-Trace	[1.6]	ug/L	1	0.29	10	11/03/09	SW846 6010	999407970
Hardness, tot, recoverable as CaCO3 (calc/unfilt/trace)	61	mg/L	1	0.15*	2.0*	11/03/09	SW846 6010	999407970
Iron, tot, recoverable as Fe by ICP-Trace	1.0	mg/L	1	0.0040	0.10	11/03/09	SW846 6010	999407970
Manganese, tot, recoverable as Mn by ICP-Trace	200	ug/L	1	0.090*	5.0*	11/03/09	SW846 6010	999407970
pH, Lab	6.54	s.u.	1			10/05/09	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	9.7	mg/L	10	2.5	5.0	10/09/09	EPA 300.0	721026460
Zinc, tot, recoverable as Zn by ICP-Trace	[8.1]	ug/L	1	2.0*	40*	11/03/09	SW846 6010	999407970
Metals digestion - tot, recov.ICP	yes		1			10/06/09	EPA 200.7M	721026460

SW-2 NLS ID: 539169

COC: 118531:2 Matrix: SW

Collected: 10/03/09 18:15 Received: 10/05/09

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	155	umho@25C	1			10/05/09	EPA 120.1	721026460
Copper, tot, recoverable as Cu by ICP-Trace	[0.32]	ug/L	1	0.29	10	11/03/09	SW846 6010	999407970
Hardness, tot, recoverable as CaCO3 (calc/unfilt/trace)	60	mg/L	1	0.15*	2.0*	11/03/09	SW846 6010	999407970
Iron, tot, recoverable as Fe by ICP-Trace	0.17	mg/L	1	0.0040	0.10	11/03/09	SW846 6010	999407970
Manganese, tot, recoverable as Mn by ICP-Trace	56	ug/L	1	0.090*	5.0*	11/03/09	SW846 6010	999407970
pH, Lab	7.67	s.u.	1			10/05/09	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	9.8	mg/L	10	2.5	5.0	10/09/09	EPA 300.0	721026460
Zinc, tot, recoverable as Zn by ICP-Trace	ND	ug/L	1	2.0*	40*	11/03/09	SW846 6010	999407970
Metals digestion - tot, recov.ICP	yes		1			10/06/09	EPA 200.7M	721026460

SW-C1 NLS ID: 539170

COC: 118531:3 Matrix: SW

Collected: 10/03/09 18:30 Received: 10/05/09

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	113	umho@25C	1			10/05/09	EPA 120.1	721026460
Copper, tot, recoverable as Cu by ICP-Trace	24	ug/L	1	0.29	10	11/03/09	SW846 6010	999407970
Hardness, tot, recoverable as CaCO3 (calc/unfilt/trace)	18	mg/L	1	0.15*	2.0*	11/03/09	SW846 6010	999407970
Iron, tot, recoverable as Fe by ICP-Trace	1.2	mg/L	1	0.0040	0.10	11/03/09	SW846 6010	999407970
Manganese, tot, recoverable as Mn by ICP-Trace	47	ug/L	1	0.090*	5.0*	11/03/09	SW846 6010	999407970
pH, Lab	6.94	s.u.	1			10/05/09	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	7.9	mg/L	10	2.5	5.0	10/09/09	EPA 300.0	721026460
Zinc, tot, recoverable as Zn by ICP-Trace	62	ug/L	1	2.0*	40*	11/03/09	SW846 6010	999407970
Metals digestion - tot, recov.ICP	yes		1			10/06/09	EPA 200.7M	721026460

ANALYTICAL REPORT

NORTHERN LAKE SERVICE, INC.
 Analytical Laboratory and Environmental Services
 400 North Lake Avenue - Grandon, 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

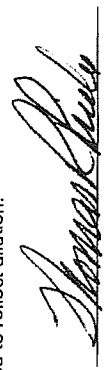
Printed: 11/24/09 Code: S Page 2 of 2
 NLS Project: 137260
 NLS Customer: 11750
 Fax: 715 532 6885 Phone: 715 532 6690

Client: Flambeau Mining Company
 Attn: Jana Murphy
 N4100 Highway 27
 Ladysmith, WI 54848
 Project: Surface Water - Fall 2009

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Conductivity, lab	157	umho@25C	1			10/05/09	EPA 120.1	721026460
Copper, tot. recoverable as Cu by ICP-Trace	ND	ug/L	1	10	0.29	11/03/09	SW846 6010	999407970
Hardness, tot. recoverable as CaCO3 (calc/unfilt/trace)	64	mg/L	1	0.15*	2.0*	11/03/09	SW846 6010	999407970
Iron, tot. recoverable as Fe by ICP-Trace	0.18	mg/L	1	0.0040	0.10	11/03/09	SW846 6010	999407970
Manganese, tot. recoverable as Mn by ICP-Trace	66	ug/L	1	0.090*	5.0*	11/03/09	SW846 6010	999407970
pH, Lab	7.13	s.u.	1			10/05/09	EPA 150.1	721026460
Sulfate, as SO4 (unfiltered)	9.4	mg/L	10	2.5	5.0	10/09/09	EPA 300.0	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[2.2]	ug/L	1	2.0*	40*	11/03/09	SW846 6010	999407970
Metals digestion - tot. recov.ICP	yes					10/06/09	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)
 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

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. W100034
 Printed: 12/10/09 Code: S Page 1 of 1

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

NLS Project: 139499
NLS Customer: 11750
 Phone: 715 532 6885 Fax: 715 532 6690

Project: Relog of Project #137260, Sample #539168

Prev. #539168, SW-3 NLS ID: 546079

COC: 118531(C):1 Matrix: SW
 Collected: 10/03/09 17:45 Received: 10/05/09
Parameter
 Manganese, tot. recoverable as Mn by ICP-Trace

Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
190	ug/L	1	1.0*	2.0*	12/09/09	EPA 200.7	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)
 DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
 MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Authorized by:
 R. T. Krueger
 President



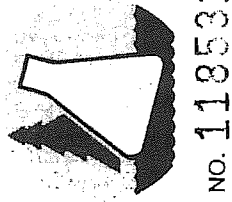
Reviewed by:

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. 118531

CLIENT: Flambeau Mining Co.
 ADDRESS: N4100 Hwy 27
 CITY: Ladysmith STATE: WI ZIP: 54848
 PROJECT DESCRIPTION / NO.: Surface Water - Fall 2009 QUOTATION NO.:
 DNR FID #: 855034730 DNR LICENSE #: 03180
 CONTACT: James Murphy PHONE: 715-532-1090
 PURCHASE ORDER NO.: 715-532-1085

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

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

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION		MATRIX (See above)	COLLECTION REMARKS (i.e. DNR Well ID #)
			DATE	TIME		
1.	S391128	SW-3	10-3-09	5:45pm	SW X	Unfiltered
2.	169	SW-2		6:15pm		
3.	170	SW-G1		6:30pm		
4.	S391171	SW-1		7:15pm		
5.						
6.						
7.						
8.						
9.						
10.						

REPORT TO: Flambeau Mining Co.

INVOICE TO: Same

COLLECTED BY (signature): [Signature] CUSTODY SEAL NO. (IF ANY):
 RELINQUISHED BY (signature): [Signature]
 DISPATCHED BY (signature): [Signature] METHOD OF TRANSPORT: Gold Cross Carrier
 RECEIVED AT NLS BY (signature): [Signature] DATE/TIME: 10-5-09 7:00 AM
 RECEIVED BY (signature): [Signature] DATE/TIME: 10-5-09 7:00 AM
 REMARKS & OTHER INFORMATION: Condition OK
 COOLER # 3479
 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
 WDNR FACILITY NUMBER: WID 988 432 300 E-MAIL ADDRESS: James.Murphy@flambeau.net

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