

**Flambeau Mining Company**

N4100 Hwy 27  
Ladysmith, WI 54848  
715-532-6690



January 8, 2014

Mr. Philip Fauble  
Hydrogeologist  
Wisconsin Department of Natural Resources  
101 S. Webster Street – WA/5  
P.O. Box 7921  
Madison, WI 53707-7921

RE: Flambeau Mining Company  
Fall 2013 Surface Water Results

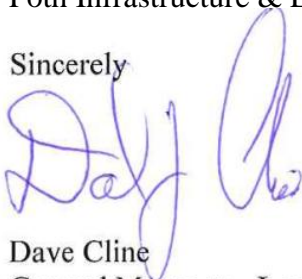
Dear Phil:

Enclosed please find copies of the Fall 2013 surface water data collected pursuant to the *Copper Park Business and Recreation Area Maintenance and Monitoring Plan* approved by you on March 21, 2013.

Surface water sampling events were completed on October 6, 2013 and November 7, 2013. A duplicate sample was collected at SW-C5 during the first fall event and SW-C1 during the second fall event.

If you have any questions, please contact me at 801-204-2526 or Sharon Kozicki of Foth Infrastructure & Environment, LLC at 920-496-6737.

Sincerely



Dave Cline  
General Manager – Legacy Management

Enclosures

cc: Jon Kleist, WDNR (w/ enclosures)  
Al Christianson, City of Ladysmith (w/ enclosures)  
Sharon Kozicki, Foth (w/ enclosures)  
Tom Riegel, Town of Grant (w/ enclosures)  
Randy Tatur, Rusk County (w/ enclosures)  
CeCe Tesky, Rusk Co. Zoning (w/ enclosures)

# ANALYTICAL REPORT

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

NLS Project: 206582

NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: 1 of Fall 2013 - Surface Water

**EB-1 1310 NLS ID: 750550**

COC: 149420:1 Matrix: SW  
 Collected: 10/06/13 10:45 Received: 10/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	[1.5]	ug/L	1	0.73	2.3	10/09/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	38	mg/L	1	1.0*	2.0*	10/09/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	2.5	mg/L	1	1.0*		10/09/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	ND	ug/L	1	5.0	10	10/09/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					10/08/13	EPA 200.7M	721026460

**NB-1 1310 NLS ID: 750551**

COC: 149420:2 Matrix: SW  
 Collected: 10/06/13 10:50 Received: 10/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	8.1	ug/L	1	0.73	2.3	10/09/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	24	mg/L	1	1.0*	2.0*	10/09/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	2.5	mg/L	1	1.0*		10/09/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	[6.3]	ug/L	1	5.0	10	10/09/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					10/08/13	EPA 200.7M	721026460

**Dup 1310 NLS ID: 750553**

COC: 149420:4 Matrix: SW  
 Collected: 10/06/13 10:30 Received: 10/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	44	ug/L	1	0.73	2.3	10/09/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	28	mg/L	1	1.0*	2.0*	10/09/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	7.0	mg/L	1	1.0*		10/09/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	71	ug/L	1	5.0	10	10/10/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					10/08/13	EPA 200.7M	721026460

**SW-C5 1310 NLS ID: 750554**

COC: 149420:5 Matrix: SW  
 Collected: 10/06/13 10:30 Received: 10/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	45	ug/L	1	0.73	2.3	10/09/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	29	mg/L	1	1.0*	2.0*	10/09/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	6.5	mg/L	1	1.0*		10/09/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	67	ug/L	1	5.0	10	10/10/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					10/08/13	EPA 200.7M	721026460

**SW-C1 1310 NLS ID: 750555**

COC: 149420:6 Matrix: SW  
 Collected: 10/06/13 10:10 Received: 10/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	81	ug/L	1	0.73	2.3	10/09/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	38	mg/L	1	1.0*	2.0*	10/09/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	120	mg/L	1	1.0*		10/09/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	130	ug/L	1	5.0	10	10/10/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					10/08/13	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

Printed: 10/15/13 Code: NNNN-S Page 2 of 2

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

NLS Project: 206582

NLS Customer: 11750

Fax: 715 532 6885 Phone: 715 532 6690

Project: 1 of Fall 2013 - Surface Water

**SW-C9 1310 NLS ID: 750556**

COC: 149420:7 Matrix: SW

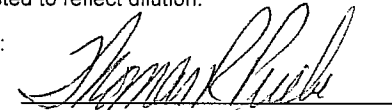
Collected: 10/06/13 11:20 Received: 10/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	41	ug/L	1	0.73	2.3	10/09/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	15	mg/L	1	1.0*	2.0*	10/09/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	3.0	mg/L	1	1.0*		10/09/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	27	ug/L	1	5.0	10	10/10/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					10/08/13	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



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: 11/14/13 Code: NNNN-S Page 1 of 1

Client: Foth Infrastructure & Environment LLC (GB)  
 Attn: Sharon Kozicki  
 2737 South Ridge Road (54304)  
 PO Box 12326  
 Green Bay, WI 54307 2326

NLS Project: 208682

NLS Customer: 11932

Fax: 920 497 8516 Phone: 920 497 2500

Project: Flambeau Mining Company 2nd Fall Event SW (MMP Samples)

**SW-C1-201311007 NLS ID: 757405**

COC: 168431:1 Matrix: SW  
 Collected: 11/07/13 10:15 Received: 11/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	52	ug/L	1	0.73	2.3	11/13/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	71	mg/L	1	1.0*	2.0*	11/13/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	2.3	mg/L	1	1.0*		11/12/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	110	ug/L	1	5.0	10	11/13/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					11/12/13	EPA 200.7M	721026460

**SW-C5-201311007 NLS ID: 757406**

COC: 168431:2 Matrix: SW  
 Collected: 11/07/13 11:00 Received: 11/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	59	ug/L	1	0.73	2.3	11/13/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	34	mg/L	1	1.0*	2.0*	11/13/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	ND	mg/L	1	1.0*		11/12/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	210	ug/L	1	5.0	10	11/13/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					11/12/13	EPA 200.7M	721026460

**SW-C9-201311007 NLS ID: 757407**

COC: 168431:3 Matrix: SW  
 Collected: 11/07/13 12:00 Received: 11/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	100	ug/L	1	0.73	2.3	11/13/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	17	mg/L	1	1.0*	2.0*	11/13/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	4.5	mg/L	1	1.0*		11/12/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	38	ug/L	1	5.0	10	11/13/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					11/12/13	EPA 200.7M	721026460

**Dup-201311007 NLS ID: 757408**

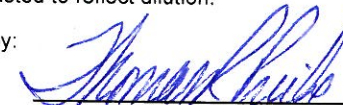
COC: 168431:4 Matrix: SW  
 Collected: 11/07/13 00:00 Received: 11/07/13

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Copper, tot. recoverable as Cu by ICP	53	ug/L	1	0.73	2.3	11/13/13	EPA 200.7, Rev 4.4	721026460
Hardness, tot. recoverable, (calc/unfilt/icp)	71	mg/L	1	1.0*	2.0*	11/13/13	EPA 200.7, Rev 4.4	721026460
Solids, tot. susp. (TSS)	[1.0]	mg/L	1	1.0*		11/12/13	SM 2540-D 20ed	721026460
Zinc, tot. recoverable as Zn by ICP	110	ug/L	1	5.0	10	11/13/13	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov.ICP	yes					11/12/13	EPA 200.7M	721026460

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 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

# NORTHERN LAKE SERVICE, INC.

CLIENT: **Franbeau Mining Co**  
 ADDRESS: **N4100 Hwy 27**  
 CITY: **LADYSMITH** STATE: **WI** ZIP: **54848**  
 PROJECT DESCRIPTION / NO.: **2<sup>nd</sup> Fall Event SW** QUOTATION NO.:  
 DNR FID #: **855 034 730** DNR LICENSE #: **03180**  
 CONTACT: **JANA E. Murphy** PHONE: **715/32-6690**  
 PURCHASE ORDER NO. FAX:

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

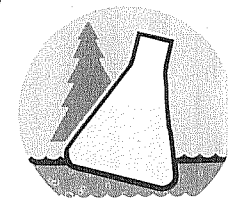
MATRIX:  
 SW = surface water  
 WW = waste water  
 GW = groundwater  
 DW = drinking water  
 TIS = tissue  
 AIR = air  
 SOIL = soil  
 SED = sediment  
 PROD = product  
 SL = sludge  
 OTHER

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

**Cu, Zn, Hg, Pb, Ni, Cr, Mn, Fe, TSS**

PARAMETER



No. 168431

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION		MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS										COLLECTION REMARKS (i.e. DNR Well ID #)		
			DATE	TIME		Cu	Zn	Hg	Pb	Ni	Cr	Mn	Fe	TSS				
1.	405	SW-C1-201311007	11/07/2013	1015	SW	X	X											
2.	406	SW-C5-201311007	11/07/2013	1100	↓	X	X											
3.	407	SW-C9-201311007	11/07/2013	1200	↓	X	X											Please Provide EPCDDs
4.	408	DUP-201311007	11/07/2013	-	↓	X	X											
5.																		
6.																		
7.																		White trash Bag
8.																		
9.																		
10.																		

COLLECTED BY (signature) \_\_\_\_\_ CUSTODY SEAL NO. (IF ANY) \_\_\_\_\_ DATE/TIME \_\_\_\_\_  
 RELINQUISHED BY (signature) \_\_\_\_\_ RECEIVED BY (signature) \_\_\_\_\_ DATE/TIME 11/7/13 1530  
 DISPATCHED BY (signature) \_\_\_\_\_ METHOD OF TRANSPORT \_\_\_\_\_ DATE/TIME \_\_\_\_\_

REPORT TO  
**FATH**  
**SHARON KOZICKI**  
**P.O. Box 12326**  
**GREEN BAY, WI 54307**

RECEIVED AT NLS BY (signature) **Debbie Wilson** DATE/TIME 11/7/13 15:30 CONDITION **once** TEMP. \_\_\_\_\_  
 COOLER # \_\_\_\_\_ REMARKS & OTHER INFORMATION \_\_\_\_\_  
 PRESERVATIVE: N = nitric acid OH = sodium hydroxide WDNR FACILITY NUMBER **WID 988638300** E-MAIL ADDRESS \_\_\_\_\_  
 NP = no preservative Z = zinc acetate HA = hydrochloric & ascorbic acid  
 S = sulfuric acid M = methanol H = hydrochloric acid

INVOICE TO  
**Franbeau Mining Co.**

**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.