

A SUMMARY REPORT ON THE NORDIC MINERALS LTD.

CREIGHTON REGION MINERAL CLAIMS STE VISIT

SEPTEMBER 17-19, 2012

BY:

George C. Sharpe, P.Geo, (Limited), QP, MCIM, CGT

Mineral Exploration Geoscientist

APEGS Geoscience Licensee, Saskatchewan, #: 09697 with P. to C. (Permission to Consult)

P.Geo. (Limited), Ontario, APGO Member #: 1639

Certified Geomatics Technologist, Saskatchewan Registration #227

318 – 2125 Osler Street Regina Saskatchewan CANADA S4P 4G9

Phone: 306-525-6013

Fax: 306-525-3688

Mobile: 306-535-1713

Email: gcsarpe@sasktel.net

FOR:

Nordic Minerals Ltd.

Winnipeg, Manitoba

October 26, 2012

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INTRODUCTION:

During the period of September 17-19, 2012, this author in the company of Mr. Robert Fisher, CMA conducted a site visit to determine from direct property examination, the resonance coupling abilities of local occurrences of copper and other mineral commodities, present on this three claim group, held in the name of Nordic Minerals Ltd. (Nordic), a private company headed by Mr. Donald Benson, CEO.

NB: This report represents a very preliminary summary of the site visit made, and the materials available to the author at present. Further results will be available from the "resonance coupling" yet to be done from the future satellite analysis. A more detailed analysis will be presented at a future date, when required by the client.

Prior to the site visit, Mr. Robert Fisher, at the request of Mr. Donald Benson obtained and examined some basic data from the Saskatchewan Energy and Mines website, to look for and prioritize selected target areas for satellite analysis and ground follow-up at a later date.

This report will summarize and illustrate through the figures, photographs, and appendices attached, hereto, some of the mineral potential characteristics of the Nordic Claim Group and document as well, what was observed in the field.

This report, will present, mainly by means of illustrations, and photographs what was observed on this site visit and recommend a future plan of action to further evaluate the potential of these claims through the use of the molecular resonance coupling technology. There are specific areas to be targeted on a priority basis and these are described herein, based upon their geological and geophysical characteristics.

SITE VISIT DESCRIPTION

The Robert Fisher and the author arrived in Creighton on Monday evening, September 17, 2012, and plans were made the next day to visit the Bomber Lake Copper showing, SMDI number 0026, and the copper showing west of Douglas Lake in the southwest corner of Claim S111969, SMDI number 2417. The first location visited on Tuesday morning, September 18, 2012, was the Bomber Lake copper showing where photos were taken. The Bomber Lake area is adjacent to the claims held by Nordic and is currently owned by HudBay Minerals Ltd. Copper in the form of chalcopyrite and occasional sub-millimeter grains of native copper were observed. At this location a number of pits and drill holes were observed. Some of the drill holes have been marked with square concrete markers and wooden lath. The drill hole identifiers on the wooden lath were no longer visible due to the age of them.

In the afternoon of that day, a traverse was made south from the highway to attempt to locate the showings at SMDI 2417. During this traverse all rock outcrops were examined and fresh surfaces were examined. The estimated location of this showing was not reached due to the onset of inclement weather in the form of steady rain. Just around the location of the turn-around point, Robert Fisher did locate one rock outcrop along the fault structure in this area bearing a malachite trace with native copper within it. No notable alteration was observed in the rocks here. It has been noted in the past that in some drill holes in this area, native copper was observed in the core by the geologist that logged it.

The next day, Wednesday, September 19, 2012, the copper showing (SMDI 0040) on Claim number S111969, was visited, photographed, and sampled. Native copper, quartz veins, and sulphides were observed over numerous outcrops, in the area where rhyolite (The Myo rhyolite?) is present and in the mafic volcanic rocks in contact with it. Carbonate and lower greenschist facies alteration is fairly prevalent here. Samples were taken of the white quartz and native copper bearing rocks. The native copper was over a surface area of approximately 12 by 6 meters.

After visiting location SMDI 0040, the fault zone in the west area of this claim north of the Denare Beach highway by Meridian Creek, was visited and examined. In this area are mafic volcanic rocks containing a very large quartz vein, lying just east of the western claim boundary. No visible gold or sulphides were noted at this location.

CONCLUSIONS AND RECOMMENDATIONS

It is well established from this site visit that these areas would be ideal for a molecular resonance coupling satellite analysis, using the samples obtained to match and detect a copper signature. The target areas to be examined are listed in priority, here.

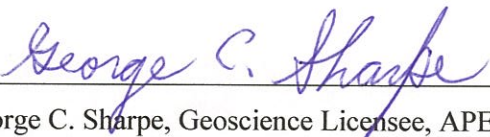
For visual reference to the following target areas see Figure 3 Page 10 and Page 28

Target 1: This target area encompasses the southern half of Claim S111969, and would include both documented mineral showings SMDI 0040 and SMDI 2417. The rocks here are mostly mafic volcanic flows with a minor rhyolite component and local granitic and diabase dike intrusions. This represents the best location for resonance coupling and the most likely area to find new, undiscovered mineralization. This area has recent, detailed mapping done by SIR geologists, during 2004-2007. A portion of the 2007 mapping is included in this report.

on the north side. The area examined here should encompass not only this magnetic high but some of this contact zone as well. This area was mapped in 1993, in detail, by SIR geologist, Dave Thomas. A portion of this map was copied and coloured by this author to highlight the main rock types, here.

Targets 3 and 4: These represent two magnetic “bulls eye” magnetic lows on the middle claim, S111972. This area has not been mapped in detail and the geology of these targets cannot be determined with any certainty, at the present time.

Future work to evaluate this claim block further will include the satellite study yet to be done and possibly site visits to the target areas 2, 3, and 4, should the client require it.


George C. Sharpe, Geoscience Licensee, APEGS, #09697



October 25, 2012

SELECTED REFERENCES:

Ansdell, M. and Kyser, K. (1992): Mesothermal Gold Mineralization in a Proterozoic Greenstone Belt - Western Flin Flon Domain, Sask.: Economic Geology volume 87, p1496-1524.

Byers, A.R., S.J.T. Kirkland and W.J. Pearson (1965): Geology and Mineral Deposits of the Flin Flon Area, Saskatchewan: Sask. Geol. Surv. Rept. No. 62; 95p.

Bailey, K.A. (2005): Bedrock Geology, Myo Rhyolite Distribution Map, Creighton, Saskatchewan: Sask. Geol. Surv. Summ. Invest. 2005-4.2 map 5.2.
DMR Rept. No. 62, pp 66, 67, Map 62C;

Bailey, K.A. (2005): Bedrock Geology, Myo Rhyolite Distribution Map, Creighton Saskatchewan: Sask. Geol. Surv. Summ. Invest. 2005-4.2 CD ROM map 5.2.

DMR Rept. No. 62, Map 62C;

GSC Map 1078A;

Maclaughlan, K, Gibson, H., Bailey, K. (2002): Stratigraphic and Intrusive Relationships in the Myo Lake Section, Flin Flon Mine Sequence, Creighton, Saskatchewan: Sask.Geol. Surv. Summ. Invest. 2002V2; 12p,

Macdonald, R. (1981): Compilation Bedrock Geology: Pelican Narrows and Amisk Lake Areas (NTS 63M, 63L, part of 63N and 63K): Sask. Geol. Surv. Summ. Invest. 1981; p16-23.

Thomas, D.J. with B.A. Reilley (1991): Revision Bedrock Geology: Bootleg and Birch Lakes Area: Sask. Geol. Surv. Summ. Invest. 1991; P.9-16.

APPENDIX 1: FIGURES

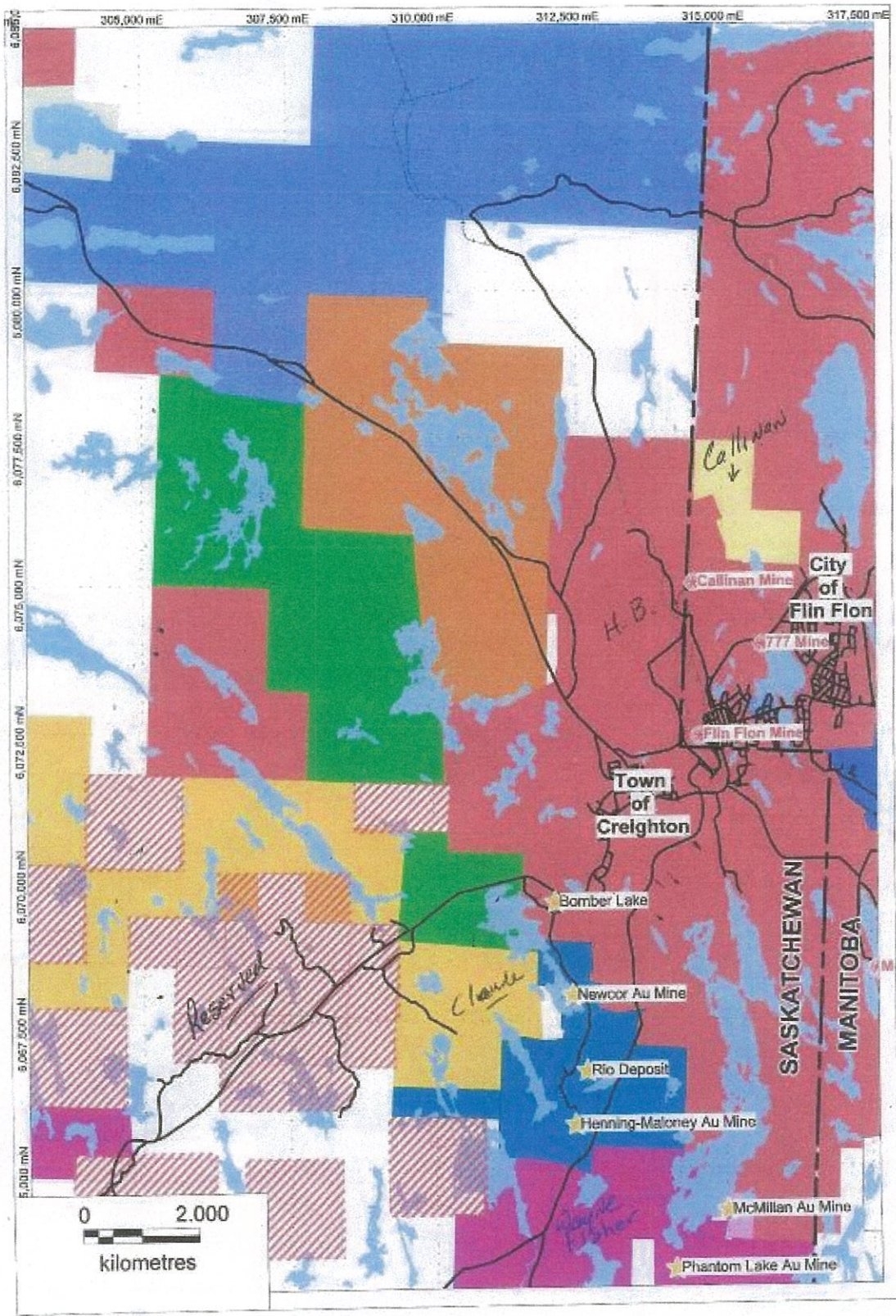


Figure 1: Composite Land Status Map. Nordic Minerals Ltd. Claims are in green.

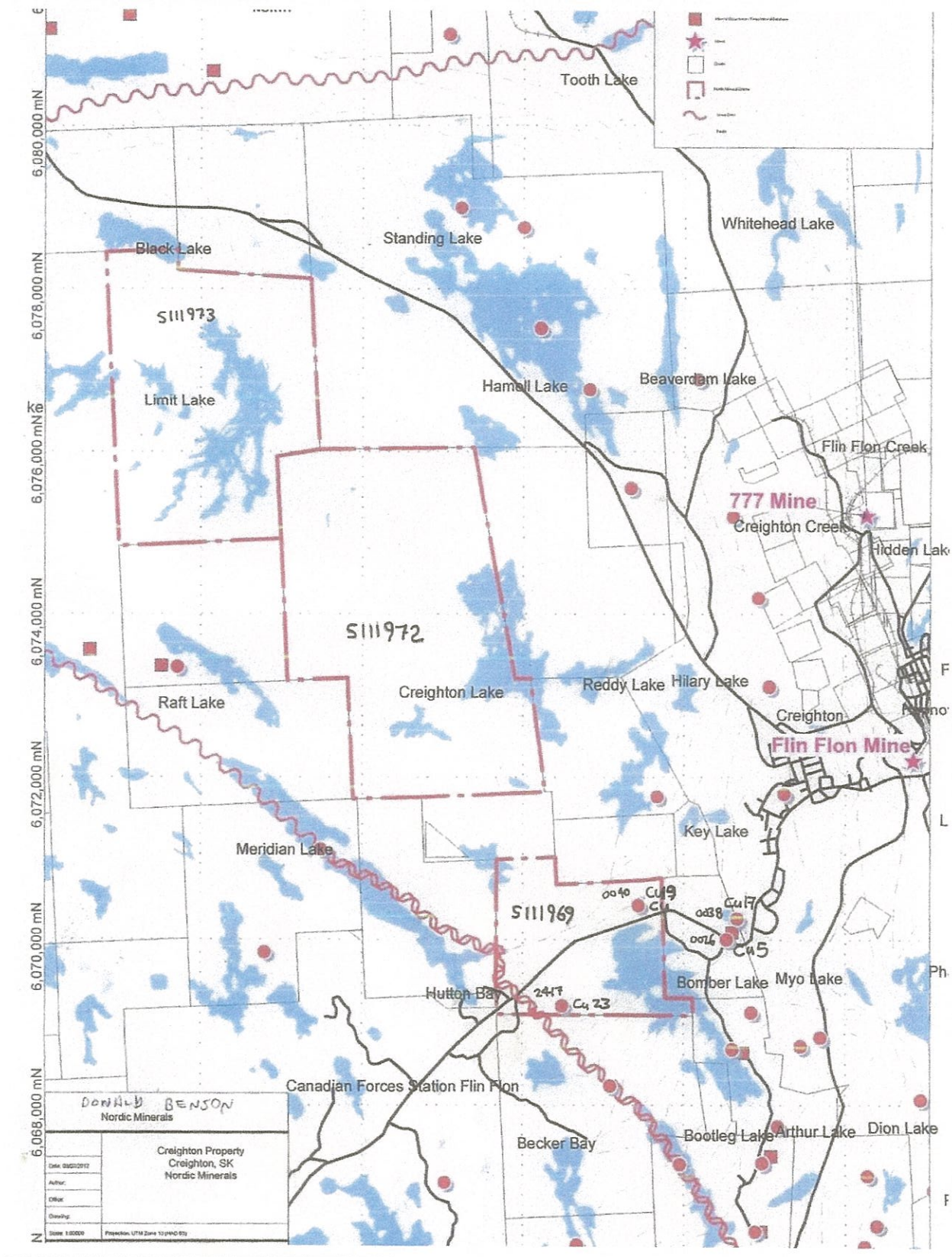


Figure 2: Nordic Minerals Ltd. Claims with mineral showings (red dots)

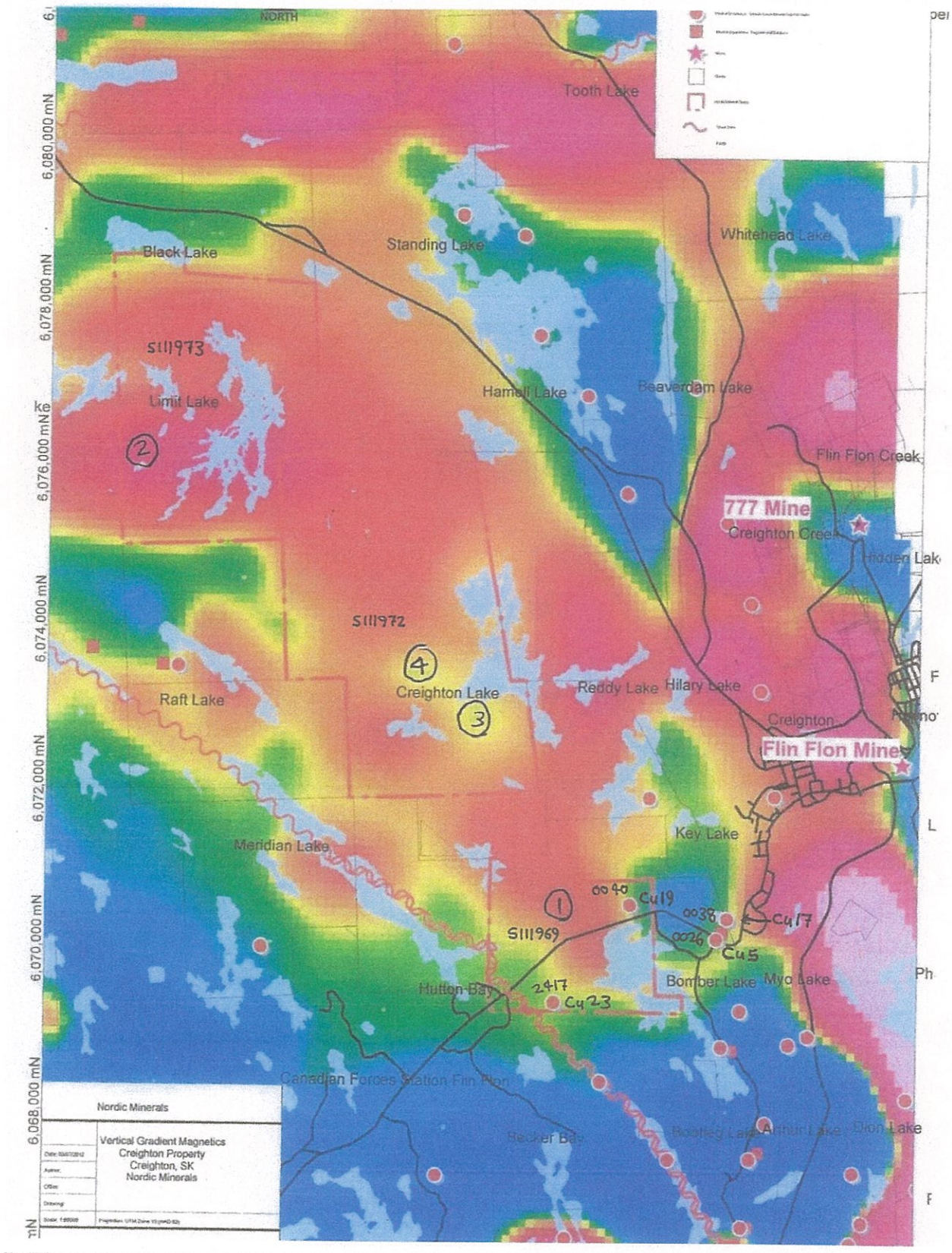
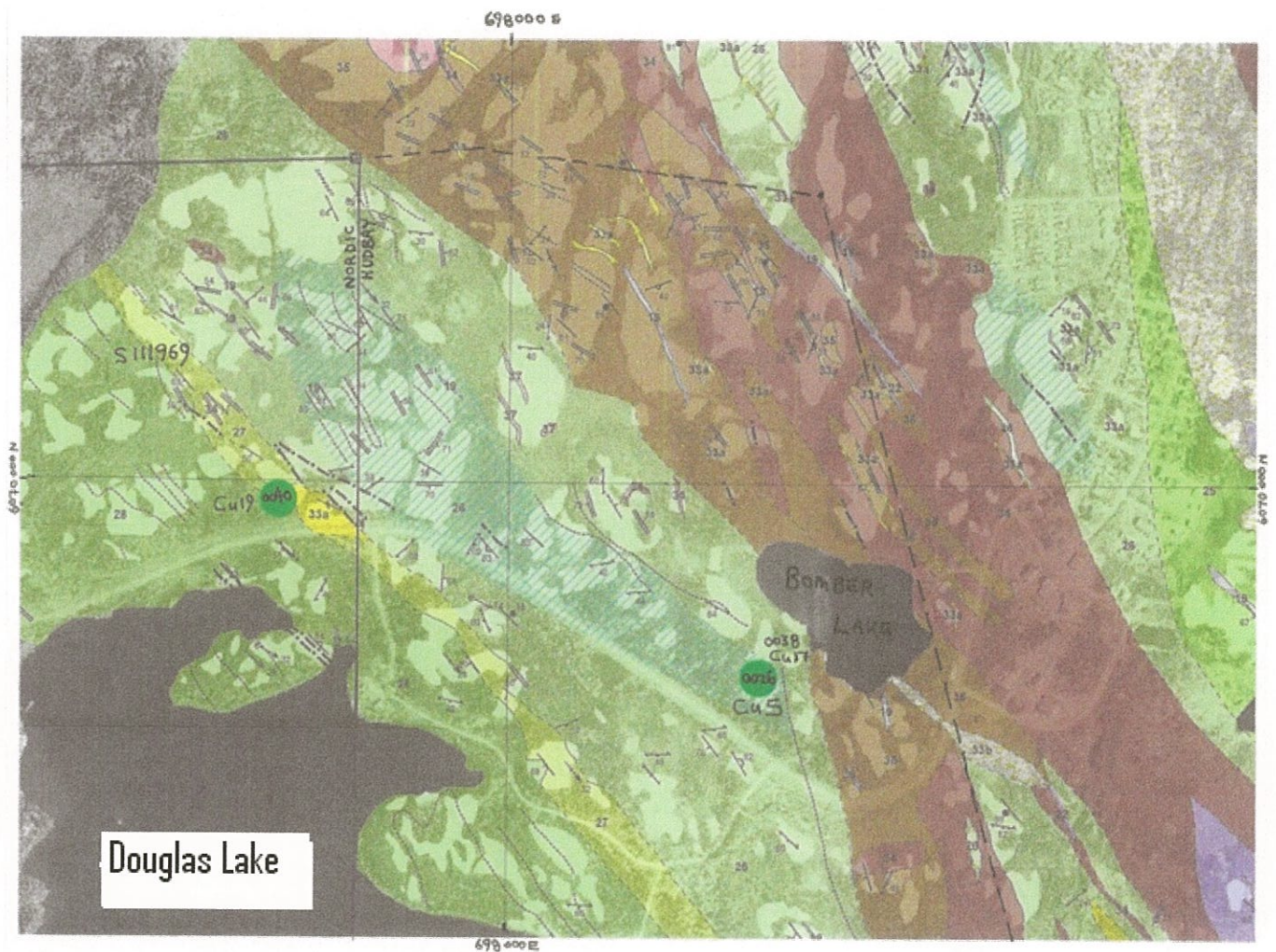


Figure 3: Total Field Magnetic Map with Target Zones by Priority (Nordic Minerals Ltd. Claims boundaries in red)

Figure 4: Detailed Geology, Bomber Lake Cu Showings (Geology by MacLachlan and Devine, SEM, 2007)



Greens are intermediate to mafic volcanic rocks, yellow is the rhyolite, brown is tuffs and volcanogenic sediments. The Nordic Minerals Ltd., claim boundary is highlighted in black on the left side of this figure.

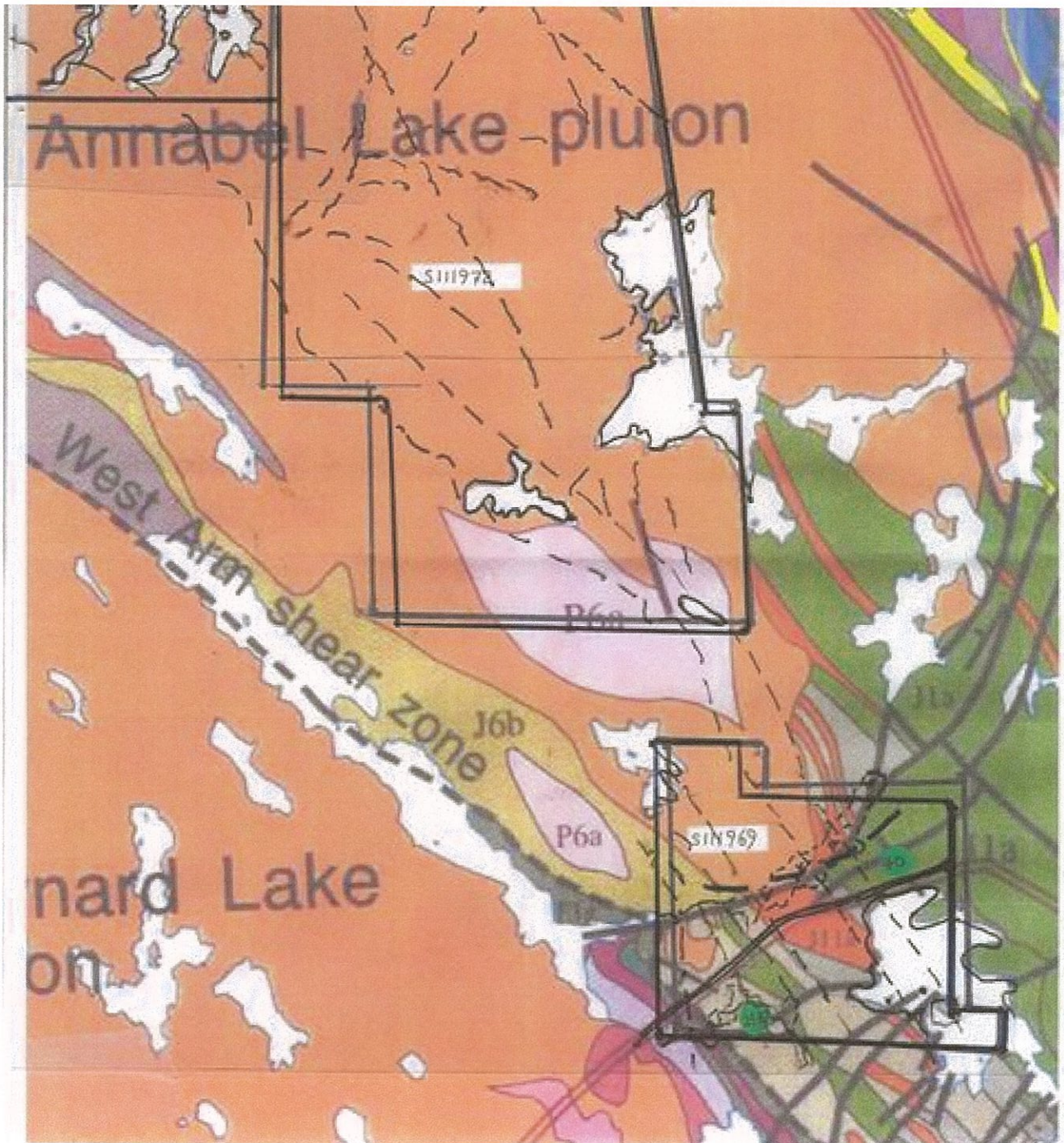


Figure 5: Geological Analysis, South Portion. Geology by Byers, SEM, 1959. Lineaments are traced from air photos. Nordic Minerals Ltd., claim boundaries highlighted in black.

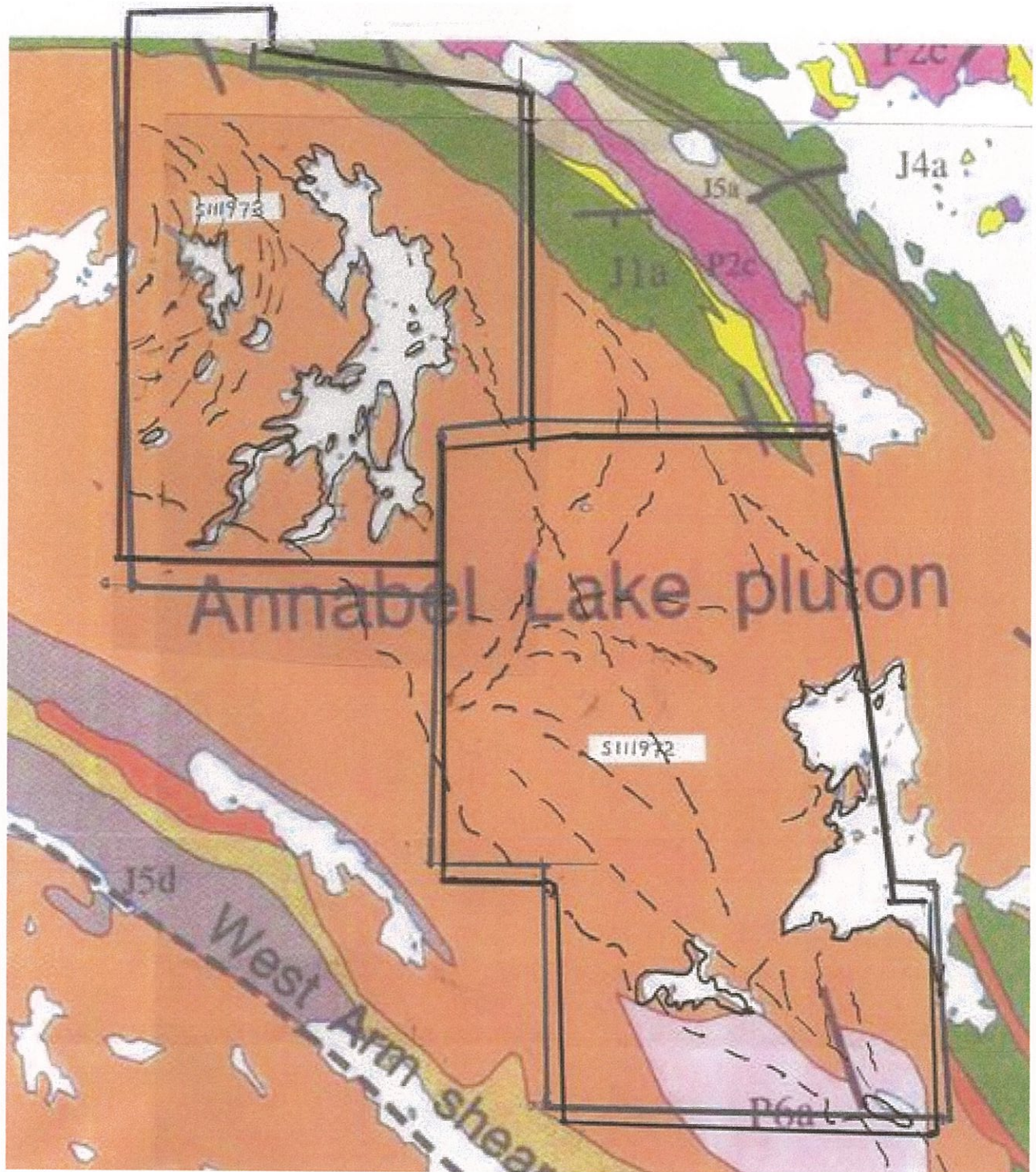


Figure 6: Geological Analysis, North Portion. Geology by Byers, SEM, 1059. Lineaments are traced from air photos. Nordic Minerals Ltd., claim boundaries highlighted in black.

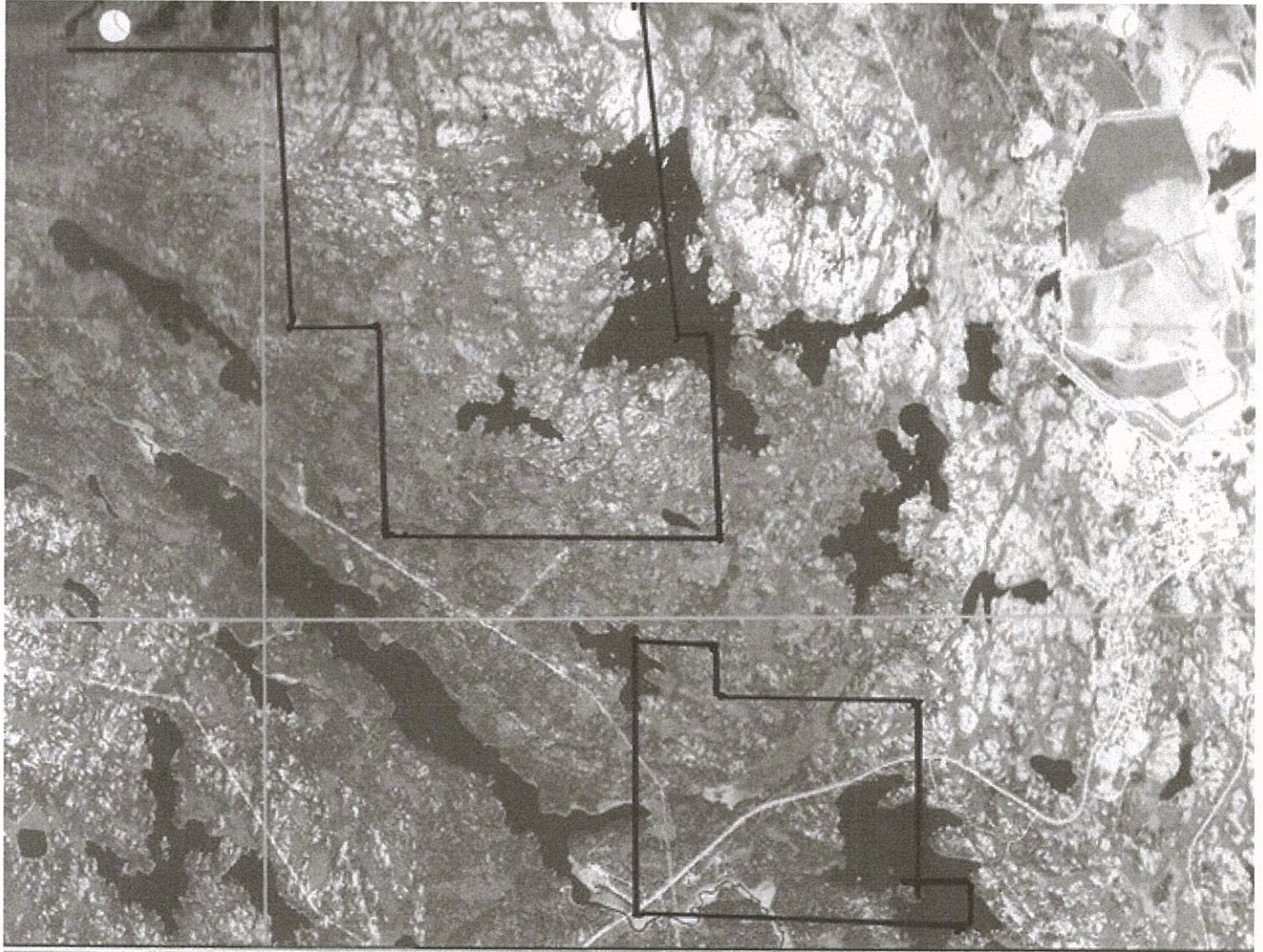


Figure 7: Air Photo South Portion. Nordic Minerals Ltd., claim boundaries highlighted in black.

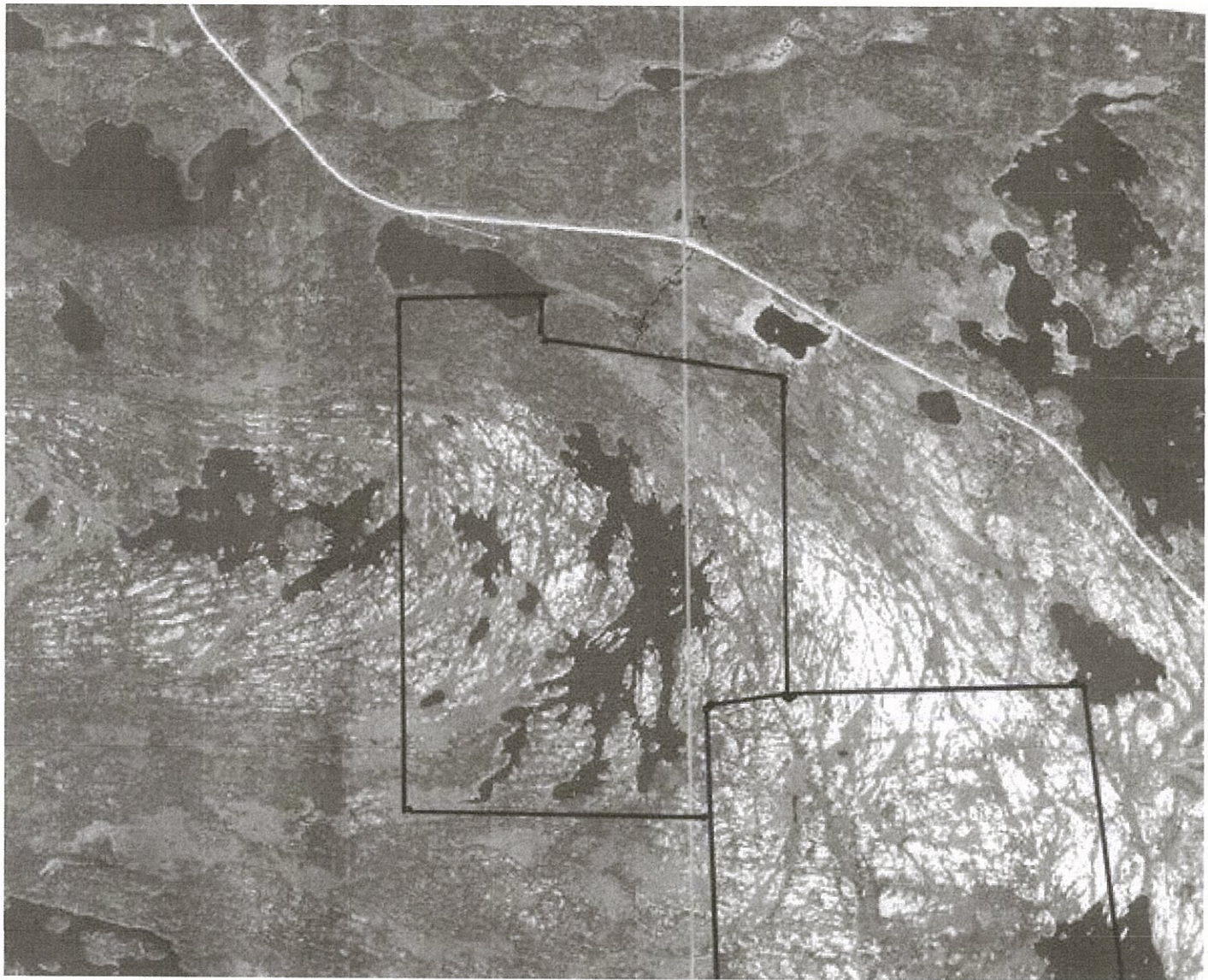


Figure 8: Air Photo North Portion. Nordic Minerals Ltd., claim boundaries highlighted in black.

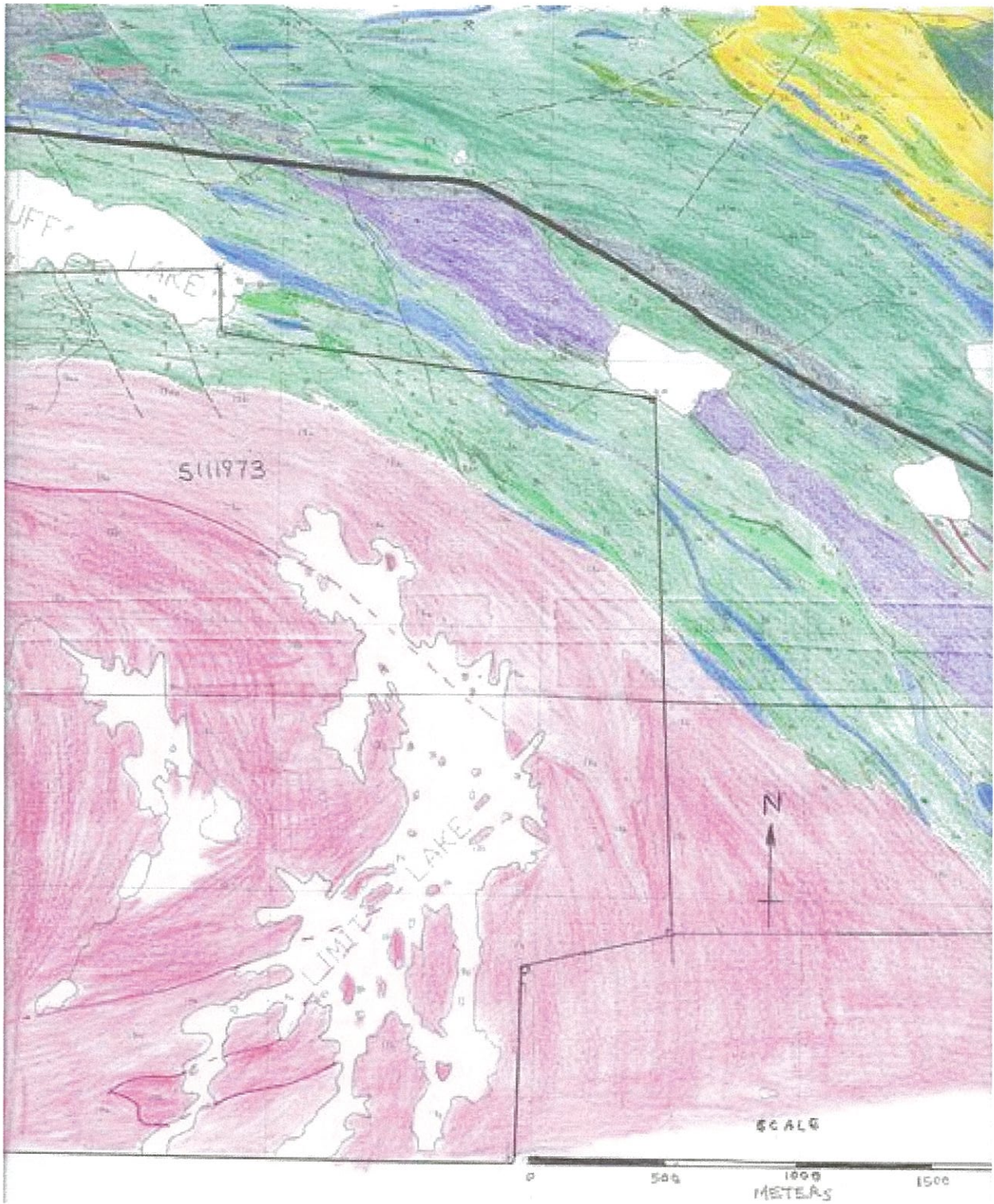


Figure 9: Geology of the North Claim, S111973. Geology by Dave Thomas, SER, 1993.

Yellow is rhyolitic rocks, medium green is dacites, dark green, mafic volcanics, blue is older gabbro intrusives, purple is younger gabbro intrusives, pink shades are the granitic rocks of the Annabel Lake Pluton.

APPENDIX 2A: HUBBAY BOMBER LAKE SELECTED PHOTOS

Overall view of the Bomber Lake Cu Showing, SMDI 0026 (Owned by Hudbay Minerals)



Pit on the Bomber Lake Showing, SMDI0026. This showing is on an adjacent claim to the east of Nordic Claim S111973.



Robert Fisher standing on a vein, Bomber Lake Showing. This showing is on an adjacent claim to the east of Nordic Claim S111973.



Massive sulphides on Bomber Lake Showing

This showing is on an adjacent claim to the east of Nordic Claim S111973.



Drill collar marker, Bomber Lake Showing

This showing is on an adjacent claim to the east of Nordic Claim S111973.



Sample of strongly mineralized copper rich piece from pit on the Hubbay Bomber Lake Showing



A portion of the core from Ket 5 @ 47-48.3 ft.



2 - 302 48th Street • Saskatoon, SK • S7K 6A4
 P (306) 931-1033 F (306) 242-4717 E info@tsllabs.com

Company: Nordic Minerals Ltd.
 Geologist: D. Benson
 Project:

TSL Report: S49015
 Date Received: Sep 06, 2012
 Date Reported: Sep 11, 2012
 Invoice: 68965

Remarks: Original Report S48862.
 Assay on over-range values from ICP-MS

Sample Type: Number
 Core Pulp 1

Standard Procedure:

*Samples for Au Fire Assay/Gravimetric (g/tonne) are weighed at 1 AT (29.16 g)
 Samples for Ag (g/tonne), Base Metals (%) are weighed at 0.5 gram.*

Element Name	Unit	Extraction Technique	Lower Detection Limit	Upper Detection Limit
Au	g/tonne	Fire Assay/Gravimetric	0.03	100%
Ag	g/tonne	HNO ₃ -HF-HClO ₄ -HCl/AA	1	1700
Cu	%	HNO ₃ -HF-HClO ₄ -HCl/AA	0.01	80

*Test reports may be reproduced, in their entirety, without our consent.
 Liability is limited to the analytical cost for analyses.*



#2 - 302 48th Street · Saskatoon, SK · S7K 6A4
P (306) 931-1033 F (306) 242-4717 E info@tsllabs.com

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Nordic Minerals Ltd.
4727 Roblin Blvd.
Winnipeg MB R3R 0G2
Ph: (306) 955-5042 Fx: (204) 897-7154
dbenson57@shaw.ca

REPORT No.
S49015

SAMPLE(S) OF 1 Core Pulp

INVOICE #: 68965
P.O.:

D. Benson

Original Report S48862. Assay on on over-range values from ICP-MS

	Au g/t	Ag g/t	Cu %	File Name
Bomber LK Surface	68.59/46.71	487.0	6.40	S49015
GS-7E	7.44			S49015
ME-12		52.4	.42	S49015
FCM-6		153.4	1.24	S49015

COPIES TO: D. Benson
INVOICE TO: Nordic Minerals Ltd.

Sep 11/12

SIGNED

Mark Acres - Quality Assurance

APPENDIX 2B: NORDIC PROPERTY SELECTED PHOTOS



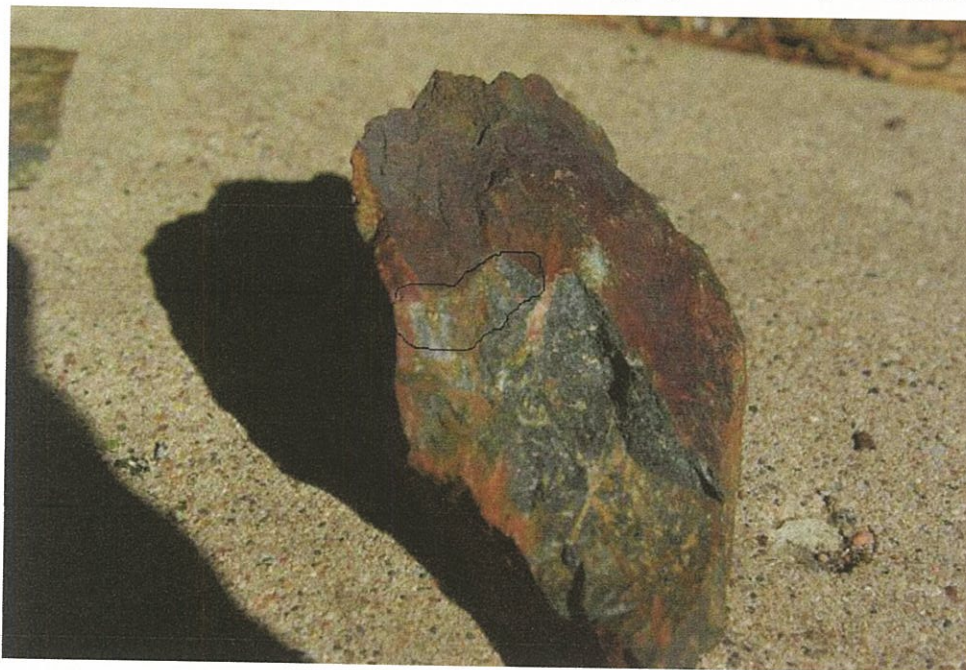
Altered, Cu bearing rhyolite on Claim S111969, SMDI 0040.



Robert Fisher examines quartz vein in rhyolite outcrop at SMDI 0040, Claim S111969



Mafic volcanic sample with sulphides and native copper, SMDI 0040, Claim S111969 See Sample 23



Circled area on sample shows native copper. Visible gold was reported here as well. SMDI 0040, Claim S111969 See sample 23A



Author, G. Sharpe standing on basalt outcrop, en route to locate SMDI 2417, on Claim S111969



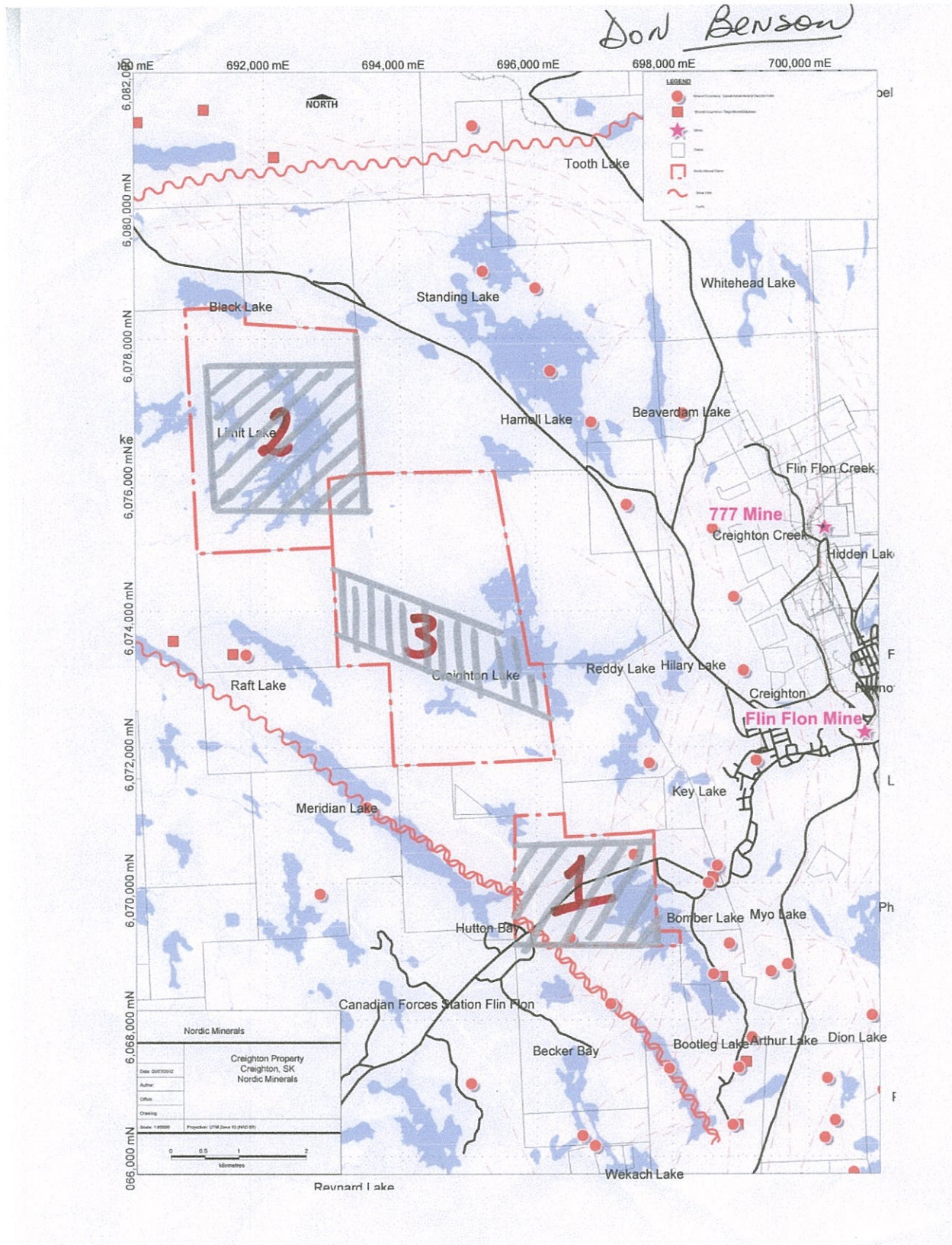
Malachite in rock at center left. This sample was taken in the southwest corner of S111969 along the fault that runs through that area. See sample 15.

Table 1: NORDIC MINERALS ASSAY RESULTS

<u>SAMPLE #</u>	<u>Au ppb</u>	<u>Cu ppm</u>	<u>Cu %</u>	<u>File Name</u>
23		966		S49163
023A		>5000	0.64	S49163
20	<5			S49163
15		297		S49163
GS-2J	2560			S49163
ME-12		2155		S49163
ME-12			0.44	S49163
FCM-6			1.22	S49163

Table 2: Sample Locations and descriptions

<u>Sample No.</u>	<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>
15	Malachite in fault face	54 43.943	101 56.638
23	Native Copper	54 44.535	101 55.868
23A	Native Copper	54 44.535	101 55.868



Proposed molecular resonance coupling scan areas designated by numbered crosshatch areas.

APPENDIX 3: Saskatchewan Mineral Deposit Index (SMDI) files from the Nordic Minerals claims area.

Mineral Deposit Index Details

Mineral Property #: 0040

SMDI #: 0040
 Index #: Cu 19
 Property: (formerly: ML 5295; JET 7, 9 claims and KAY 6 Claim; MARS claims)
 Location: Douglas Lake, north of
 Owners:
 Commodity: Cu
 Associated Commodities: Au;Ag
 Deposit Type: Outcrop
 NMI #: 105616

Two

Original Report

NTS Area: 63-K-12-NW
 Accuracy: 100
 Office: Regina
 Original Report By:
 Original Report Date:
 Keyed By: Macdonald, A.G.
 Keyed On: 1988/06/27
 Revised By: Bennett, R.W.
 Revised On: 1991/02/26

Latitude: 54° 44' 3234
 Longitude: 101° 55' 5734
 UTM-Northing: 6069837
 UTM-Easting: 311232
 UTM13-Northing: 6070209
 UTM13-Easting: 697455
 UTM Zone: 14
 NAD: 1927

Three

Showing Information

Showing Name: Douglas Lake North Cu Showing
 Mineral Resource Assessment: Occurrence Cu,Au
 Deposit Classification: Volcanic Associated Massive Sulphide: Modified Cyprus Type
 Deposit Status: Showing
 Host Rock: Metavolcanic
 Geological Domain: Flm Flon

Four

Geology of the Showing

The showing, which is located approximately 200 m (656.2 ft) north of the northwest end of Douglas Lake, consists of four pits that occur within northwest-trending, sheared basaltic volcanics of the Amisk Group.

Four pits were excavated on the showing and samples returned the following assays:

Pit No.	Au (oz./ton)	Ag (oz./ton)	% Cu	Width ft	(m)
---------	--------------	--------------	------	----------	-----

1	0.02	0.04	0.39	7.0	2.1
1	0.02	0.08	3.93	grab	
2	0.01	0.04	0.19	grab	
3	0.02	0.08	0.62	3.9	1.2
3	----	----	0.22	3.0	0.9
4	trace	0.02	0.06	10.0	3.0

In 1991, D. Thomas geologically mapped the showing area as being underlain by unit 5 and 5a. Unit 5 is a series of aphyric to plagioclase-porphyritic intermediate to mafic flows and unit 5a is a series of pillowed mafic to intermediate flows which contain abundant quartz amygdules.

Five

Exploration History

Between 1953 and 1954, Hudson Bay Exploration and Development completed an electromagnetic survey over the showing area.

In 1967, the showing area was covered by MARS 1 to 24 claim group. In this year, R. Studer conducted a regional EM survey for Meridian Mining and Exploration Company Limited that covered the showing area (AF 63K12-0063). No anomalies were detected in the showing area.

In 1972, W.J. Reid dug 4 pits on the JET 7 and 9 and KAY 6 claims, a few hundred feet north of Highway No. 35 at the northern end of Douglas Lake (AF 63K12-0030). Copper mineralization was reported from pit 1 on the KAY 6 claim and from pit 3 located on the JET 9 claim. The assays returned the values listed above. A further two trenches were completed in 1974.

Six
Assessment

References

63K12-0030;-0063;

Literature

DMR Rept. No. 62, Map 62C;

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SMDI #: 2417 (On Nordic Minerals Claim number S111969)
Index #: Cu 23
Property: (formerly: CBS 3018)
Location: Douglas Lake - southwest of northwest tip: GAW 3 grid
Owners:
Commodity: Cu
Associated Commodities: Zn
Deposit Type: Drillhole
NMI #:

Two | Original Report

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NTS Area:	63-K-12-NW	Latitude:	54° 43' 5434
Accuracy:	100	Longitude:	101° 56' 5334
Office:	Regina	UTM-Northing:	6068705
Original Report By:		UTM-Easting:	310182
Original Report Date:	1992/06/05	UTM13-Northing:	6068991
Keyed By:	Bennett, R.W.	UTM13-Easting:	696505
Keyed On:	1992/06/05	UTM Zone:	14
Revised By:	Bennett, R.W.	NAD:	1927
Revised On:	1994/09/26		

Three | Showing Information

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Showing Name: Drill holes GAW-5 and GAW-6
Mineral Resource Assessment: Occurrence Cu
Deposit Classification: Volcanic Associated Massive Sulphide: Kuroko Type
Deposit Status: Showing
Host Rock: Metavolcanic
Geological Domain: Flin Flon

Drill hole GAW-5 is located on the GAW-3 grid 0.89 km (0.55 mile) due east of the southeast tip of Meridian Lake on the inside of a large loop in the creek that flows between Meridian and Bootleg Lakes. Drill hole GAW-6 is located 0.31 km (0.19 mile) southeast of drill hole GAW-5.

The showing area, as mapped by Thomas and Reilly in 1991, is underlain by Douglas Lake Assemblage Unit 22 or pyroxene-plagioclase crystal mafic tuff. The tuffs have been intruded by a series of northwest-trending feldspar-porphyrific granite to granodiorite dykes. This sequence of rocks has been cut by a series of northeast- and northwest-trending faults.

Drill hole GAW-5 intersected a series of light grey, fine-grained, poorly foliated dacites, dacite porphyries, porphyritic dacite tuffs, brecciated dacites with carbonate and quartz infillings, dacite crystal tuffs with cherty interbands followed by a series of andesitic to dacitic flows with minor interbedded rhyolite to dacite flow material. This sequence hosts disseminations of up to 0.5% pyrite, 1% pyrrhotite ± minor chalcopyrite.

Drill hole GAW-6 intersected light grey to greenish grey, fine to medium-grained, dacite porphyry followed by light greyish green to grey, fine grained, medium to well foliated andesite porphyry and andesite flows and tuffs. The andesite tuff contains interbeds of brecciated rhyolite porphyry, brecciated rhyolite and porphyritic dacite lithic tuff. The rocks host up to 0.5% pyrite and trace pyrrhotite ± minor chalcopyrite as disseminations.

The better intersections encountered by the two drill holes are as follows:

DRILLHOLE INTERSECTION	INTERSECTION	WIDTH	OUNCES PER TON	PCT	PCT		
NUMBER GEOLOGY	(FT)	(FT)	AU	AG	CU	ZN	
GAW-5 cpy	79.6 - 80.3	0.7	----	----	0.97	----	andesite:
GAW-6 ppy:cpy	154.2 - 155.6	1.4	----	----	0.30	----	dacite
tuff:py	405.4 - 407.0	1.6	----	----	0.48	0.10	dacite
tuff:py	408.9 - 410.1	1.2	----	----	0.14	----	dacite

Drill hole GAW-5 intersected a series of felsic volcanic rocks. Brecciated and unbrecciated dacite, plagioclase porphyritic dacite, dacite porphyry (50% plagioclase phenocrysts), and porphyritic dacite crystal tuff (20% plagioclase phenocrysts) are intermixed with narrow (2 foot) basaltic intervals, minor subordinate porphyritic andesite and andesite to dacite flow rocks and rhyolite to dacite flow rocks. Drill hole GAW-6 intersected massive dacite porphyry, brecciated quartz-porphyritic rhyolite brecciated rhyolite, and feldspar-porphyritic dacite lithic tuff with interbands of amygdaloidal flow, andesite tuff, porphyritic andesite tuff, and andesite porphyry breccia.

Five | Exploration History

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On 13 April 1977, the showing area was staked as CBS 3018 by Hudson Bay Exploration and Development Company Limited. In 1978, Hudson Bay completed one drill hole well northeast of the showing (AF 63K12-0092).

In 1979, B. Schreiner completed a compilation of the Quaternary geology of the shield that includes the showing area. R. MacDonald completed a 1:250,000 compilation and preliminary geology map that includes the showing area in 1981. In 1981, a ground EM survey was completed over the south extension of the GAW-3 grid (AF 63K12-0122). In the same year, 3 drill holes were completed on the grid southeast of the showing (AF 63K12-0113).

In 1984, Hudson Bay Exploration completed a ground magnetic survey on the GAW-3 grid (AF 63K12-0138).

In 1987, J. Campbell remapped the Quaternary geology of NTS block 63K at a scale of 1:20,000 for the Saskatchewan Geological Survey. In 1988, Hudson Bay completed a ground magnetic survey (AF 63K12-0153) plus VLF-EM, humus sample and lithochemical sample surveys over the grid (AF 63K12-0158).

In 1989, Hudson Bay completed three drill holes on the GAW-3 grid (AF 63K12-0160). Drill holes GAW-5 and -6 encountered the mineralization that constitutes this showing.

In 1991, D.J. Thomas and B.A. Reilley geologically mapped the showing area at a scale of 1:20,000 for the Saskatchewan Geological Survey. In 1993, Hudson Bay Exploration completed drill hole GAW-8 slightly west of the showing and drill hole GAW-9 to the southeast of the showing (AF 63K12-0179). The drill holes failed to intersect significant mineralization. On 1 October 1994, CBS 3018 was allowed to lapse.

Six | References

[← Contents](#)

Assessment

63K12-0092;-0113;-0122;-0138;-0153;-0158;-0160;-0179;

Literature

Byers, A.R., S.J.T. Kirkland and W.J. Pearson (1965): Geology and Mineral Deposits of the Flin Flon Area, Saskatchewan: Sask. Geol. Surv. Rept. No. 62; 95p.

Schreiner, B.T. (1979): Quaternary Geology of the Percambrian Shield Area, Saskatchewan: Sask. Geol. Surv. Summ. Invest. 1979; p68-74.

Macdonald, R. (1981): Compilation Bedrock Geology: Pelican Narrows and Amisk Lake Areas (NTS 63M, 63L, part of 63N and 63K): Sask. Geol. Surv. Summ. Invest. 1981; p16-23.

Campbell, J.E. (1987): Quaternary Geology of the Amisk East Area: Sask. Geol. Surv. Summ. Invest. 1987; p148-150.

Thomas, D.J. with B.A. Reilley (1991): Revision Bedrock Geology: Bootleg and Birch Lakes Area: Sask. Geol. Surv. Summ. Invest. 1991; P.9-16.

APPENDIX 4: Saskatchewan Mineral Deposit Index (SMDI's #0026 and 0038) from the HudBay Bomber Lake showing that is adjoining the east side of the Nordic Minerals Claim #S111969.

Property Information

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SMDI #: 0026
Index #: Cu 5
Property: ML 5518 (formerly: ML 5295; CHANCE no. 1 claim)
Location: Douglas-Bomber Lakes: FFS 3 Grid
Owners: Hudson Bay Exploration and Development
Commodity: Cu
Associated Commodities: Au;Ag
Deposit Type: Drillhole
NMI #: 510928

Two | Original Report

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NTS Area:	63-K-12-NW	Latitude:	54° 44' 1734
Accuracy:	100	Longitude:	101° 54' 5734
Office:	Regina	UTM-Northing:	6069329
Original Report By:		UTM-Easting:	312286
Original Report Date:		UTM13-Northing:	6069793
Keyed By:	Macdonald, A.G.	UTM13-Easting:	698548
Keyed On:	1988/06/24	UTM Zone:	14
Revised By:	Bennett, R.W.	NAD:	1927
Revised On:	2005/12/09		

Three | Showing Information

[← Contents](#)

Showing Name: Chance Claim Drill holes 1 and 2
Mineral Resource Assessment: Occurrence Au,Cu,Ag
Deposit Classification: Volcanic Associated Shear Hosted Au-Cu: Mesothermal Type
Deposit Status: Showing
Host Rock: Metavolcanic
Geological Domain: Flin Flon

The showing consists of several drill holes which intersected pyrrhotite, sphalerite and chalcopyrite mineralization. The drill holes area located on the CHANCE no. 1 claim, east of Douglas Lake, and north of Highway 35.

The drill holes intersected northwest-trending Amisk Group andesitic volcanics cut by a 320° fault zone traceable for 225 ft (68.6 m) and dying out at either end. Lenticular quartz veins up to 30 inches (76 cm) wide, quartz stringers, calcite stringers and epidote-rich zones were intersected in the fault zone.

Pyrite, pyrrhotite, sphalerite and chalcopyrite were noted along quartz-epidote-rich andesite contact zones and also within the quartz veins. The veins are interpreted to be fracture fillings. Assays from altered zones returned the following values.

DRILLHOLE NUMBER	INTERSECTION		PCT	OUNCES PER TON		
	ft	m	CU	AU	AG	
1	80.0-81.0	24.4-24.7	----	0.06	----	
	92.0-93.0	28.0-28.3	----	----	0.1	
2	32.0-34.5	9.8-10.5	0.10	0.01	0.13	
	34.5-35.5	10.5-10.8	1.28	0.28	1.32	
	35.5-36.0	10.8-11.0	1.09	0.08	1.36	

During the 1960 to 1961, period Conwest Exploration Company excavated 6 trenches, and drilled 2 holes totalling 271 ft (82.6 m) on the CHANCE Claim Group (AF 63k12-0006). The two holes on the CHANCE No. 1 are discussed above.

By 1981, the showing was within Hudson Bay Exploration disposition ML 5295. By 1996, the showing was covered by Hudson Bay Exploration and Development ML 5518.

In 2004, Hudson Bay completed a ground TDEM survey that covered the showing (AF 63K12-NW-0214).

Assessment

63K12-0006;-0061;-0214;

Literature

Bailey, K.A. (2005): Bedrock Geology, Myo Rhyolite Distribution Map, Creighton, Saskatchewan: Sask. Geol. Surv. Summ. Invest. 2005-4.2 map 5.2. DMR Rept. No. 62, pp66,67, Map 62C;

Seven | Reserves

[← Contents](#)

DATE	RESERVES LISTED	COMMENTS
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Eight | Production

SMDI #: 0038 (Kettle 1 Showing)
Index #: Cu 17
Property: ML 5518 (formerly: S-98861; ML 5295; S-90616 and S-90617 or KETTLE claims nos. 1 and 6)
Location: Douglas - Bomber Lakes: FFS 3 Grid
Owners: Husdon Bay Exploration and Development
Commodity: Cu
Associated Commodities: Ag;Au;Sf
Deposit Type: Trench
NMI #: 015614

Two | Original Report

[← Contents](#)

NTS Area:	63-K-12-NW	Latitude:	54° 44' 2534
Accuracy:	100	Longitude:	101° 54' 4934
Office:	Regina	UTM-Northing:	6069570
Original Report By:		UTM-Easting:	312439
Original Report Date:		UTM13-Northing:	6070046
Keyed By:	Macdonald, A.G.	UTM13-Easting:	698680
Keyed On:	1988/06/27	UTM Zone:	14
Revised By:	Bennett, R.W.	NAD:	1927

Three | Showing Information[← Contents](#)

Showing Name:	Bomber Lake Cu Showing or Kettle 1 Cu Showing
Mineral Resource Assessment:	Past Producing Mine Without Reserves Au,Cu,Ag
Deposit Classification:	Volcanic Associated Massive Sulphide: Modified Cyprus Type / Volcanic Associated Shear Hosted Au-Ag-Cu: Mesothermal Type
Deposit Status:	Past Producer
Host Rock:	Metavolcanic
Geological Domain:	Flin Flon

Four | Geology of the Showing[← Contents](#)

The showing, which is located 0.75 km (0.47 mile) east of the north end of Douglas Lake, consists of massive pyrite-chalcopyrite mineralization in north-northwest-trending Amisk Group basic volcanics.

The main prospect, named KETTLE No. 1, is located halfway between the road to Douglas Lake and the southwest corner of Bomber Lake. The showing mineralization was exposed in outcrop and trenching. Initially, three packsack drill holes totalling 222 ft (67.7 m) were completed. All holes intersected massive mineralization similar to that exposed on the surface. Typical drill hole intersections were:

Drillhole Number	Interval (ft)	(m)	Au (both oz./ton)	Ag	% Cu	Location of hole
ddh 1	23.0 - 24.0	7.0- 7.3	0.020	1.60	0.85	under E trench
	56.0 - 61.0	17.1-18.5	0.035	0.70	0.50	
ddh 2	36.0 - 39.0	11.0-11.9	0.120	1.25	0.80	under G trench
	39.0 - 43.0	11.9-13.1	0.055	0.65	0.40	
ddh 3	7.0 - 8.0	2.1- 2.4	0.180	0.60	0.55	under D trench
	15.5 - 16.5	4.7- 5.0	0.190	1.95	0.60	
	59.0 - 63.0	18.0-19.2	0.015	0.05	TR	
	73.0 - 74.0	22.3-22.6	0.015	0.15	0.45	

KET-1	48.3 - 49.1	14.7-15.0	0.010	0.27	0.51 2% cpy, 2-4% py
KET-2 PY	62.4 - 63.0	19.0-19.2	0.040	0.44	0.33 1-2% cpy, 5-6%
	78.2 - 78.0	23.8-24.1	-----	0.84	0.27 1% cpy, 5-6% py
KET-3	72.8 - 73.3	22.2-22.3	0.020	0.36	0.52 2-3% cpy, 3% py
PY	73.3 - 73.7	22.3-22.5	0.440	2.54	1.01 4-5% cpy, 5-6%
PY	73.7 - 74.0	22.5-22.6	0.300	0.50	0.36 3-5% cpy, 4-5%
KET-4 PY	61.6 - 62.1	18.8-18.9	-----	-----	0.28 tr-1% cpy, 5-6%
PY	62.1 - 62.6	18.9-19.1	-----	-----	0.42 tr-1% cpy, 5-6%
PY	75.1 - 75.8	22.9-23.1	0.140	0.08	0.34 1-2% cpy, 8-12%
PY	83.6 - 83.8	25.2-25.5	-----	TR	0.37 1-2% cpy, 2-3%
	86.4 - 89.6	26.3-27.3	0.010	0.35	0.62 tr cpy, 3-4% py
KET-5	48.3 - 49.3	14.7-15.0	0.010	0.35	0.37 1% cpy, 5% py
PY	154.5 -154.9	47.1-47.2	0.200	0.91	2.22 3-5% cpy, 2-3%
KET-6 po	138.6 -142.7	42.2-43.5	0.000	0.70	1.21 1-5% cpy, 1-5%
	146.8 -148.4	44.7-45.2	0.005	0.44	0.80 2-4% cpy, 9% py
KET-7 PY	99.5 -100.4	30.3-30.6	0.010	0.17	0.39 tr-1% cpy, 2-3%
KET-8 po	239.5 -240.8	73.0-73.4	0.166	1.88	2.87 3-15% cpy, 4-8%
KET-9 sph	174.4 -176.0	53.2-53.6	0.206	0.19	0.04 tr-1% cpy, 1-2%
	246.3 -247.0	75.1-75.3	0.220	0.14	----- 3-4% po, 1-2% py
KET-10 cpy, sph, py, po	244.8 -246.9	74.6-75.3	0.880	0.47	0.81 1-3%

	326.7	-328.0	99.6-99.9	0.340	2.02	0.93	1-4% cpy, 1-2%
po							
KET-11	72.6	- 73.4	22.1-22.4	0.160	0.55	0.52	1-2% cpy, 1% po
	612.0	-615.8	186.5-187.7	0.036	0.54	0.51	1-2% cpy, 1-3%
po							
KET-12	455.3	-456.4	138.4-139.1	-----	----	0.27	1-2% cpy, 3-6%
po							
KET-13	89.3	- 93.0	27.1-28.3	0.150	0.64	0.77	25% py, 22%
po, mt							
	516.2	-519.2	157.3-158.3	0.023	0.98	0.74	1-4% cpy, 1-2%
po							
MNR-1	190.6	-191.2	58.1-58.3	134 ppb	----	1.28	NSS py-po-cpy
	191.2	-192.0	58.3-58.5	205 ppb	----	0.65	NSS py-po-cpy
MNR-2	313.0	-314.3	95.4-95.7	215 ppb	----	N/A	diss py-po
	363.9	-366.1	110.9-111.6	507 ppb	----	N/A	diss py-po
	366.1-	368.4	111.6-112.3	543 ppb	----	N/A	diss py-po

* samples from ddh MNR-1 and MNR-2 were run for Pt/Pd. The returns were <10 ppb Pt and <1.0 ppb Pd plus <0.01% Ni and up to 0.03% Zn.

Trace zinc and molybdenite values were also noted. Native copper was identified locally. Selected grab samples returned up to 2.20% Cu, 2.90 oz/ton and 0.46 oz./ton Au. Some of the trenches were sampled. The following values were returned:

Trench	Sample	Width	Oz./ton	Oz./ton	%
Number	ft.	M.	Au	Ag	Cu
B	3.00	0.91	0.025	0.30	0.20
C	6.50	1.98	0.010	0.25	0.20
C	3.00	0.91	0.020	0.20	0.20
D	1.50	0.46	0.085	0.65	1.10
E	6.50	1.98	0.065	1.65	1.30
G	3.35	1.02	0.730	4.10	2.00

H 1.65 0.50 0.140 0.40 0.35

The showing is a typical mesothermal deposit which consists of a series of 320°-trending, steeply dipping quartz-carbonate-arsenopyrite-chalcopyrite-pyrrhotite veins within a sheared, silicified, hematized and carbonatized basalt to andesite that has, locally, been intruded by diorite. Disseminated to near solid sulphide py-po mineralization contains up to 15% chalcopyrite plus minor sphalerite and magnetite.

Five | Exploration History

[- Contents](#)

Prior to 1936, Flin Flon Gold Mining Syndicate conducted trenching (and drilling
?) on Vein 3.

The main prospect, on KETTLE claim no. 1, was exposed in outcrop and by later trenching in 1968 by J. Krassilowsky, J. Reid and D. McDougall. Further trenching was conducted and grab samples were taken.

The property was optioned by Torwest Resources Ltd. later in 1968. Torwest Resources completed further trenching and bulldozer stripping of the main zone, as well as the drilling of 3 packsack drill holes totalling 222 ft (67.7 m) [63K12-0059]. All holes intersected the massive mineralization exposed in the surface, and typical drill intersections are listed above. A sample taken from the E trench assayed 1.30% Cu, 1.65 oz./ton Ag and 0.065 oz./ton Au across a width of 2.0 m.

Later in 1968, the property was high-graded. A total of 27.925 tons were shipped to the Hudson Bay Mining and Smelting Company Ltd. smelter in Flin Flon for processing.

In 1980, Hudson Bay Exploration and Development completed a ground EM survey over the showing area. In the period 1981 to 1982, Hudson Bay Exploration drilled 11 holes (totalling 814 m) in the vicinity of the Bomber Lake showing.

Gold is noted on map 1078a in the vicinity, lying between the stripped area and the southwest shore of Bomber Lake. By 1981, Hudson Bay Exploration disposition ML 5295 covered the showing. Hudson Bay completed 7 drill holes (KET-1 to 7) on the showing (AF 63K12-0124). In 1982, Hudson Bay Exploration completed drill holes KET-8 to 11 on the showing (AF 63K12-0126). The results of this drill program are given above. Between 1983 and 1984, drill holes KET-12 to 15 were completed on the showing (AF 63K12-0131). Holes KET-12 and 13 returned minor values.

On 12 April 1987, D. Ruttan, J. Reid, and J. Krassilowsky staked the showing area as S-98861. On 30 January 1997, the claim was transferred to Mid-North Resources Limited. In 2004, Mid North completed anomaly drill holes MNR-1 and MNR-2 immediately south of the showing (AF 63K12-0209).

The assay results are given above. The claim was allowed to lapse on 1 November 2004.

In 2004, Hudson Bay Exploration and Development completed aTDEM survey on the FFS 3 grid that covered the showing (AF 63K12-NW-0214).

Six | References

[Contents](#)

Assessment

63K12-0059;-0124;-0126;-0131;-0209;-0214;

Literature

Ansdell, M. and Kyser, K. (1992): Mesothermal Gold Mineralization in a Proterozoic Greenstone Belt - Western Flin Flon Domain, Sask.: Economic Geology volume 87, p1496-1524.

Bailey, K.A. (2005): Bedrock Geology, Myo Rhyolite Distribution Map, Creighton Saskatchewan: Sask. Geol. Surv. Summ. Invest. 2005-4.2 CD ROM map 5.2.

DMR Rept. No. 62, Map 62C;

GSC Map 1078A;

Maclaughlan, K, Gibson, H., Bailey, K. (2002): Stratigraphic and Intrusive Relationships in the Myo Lake Section, Flin Flon Mine Sequence, Creighton, Saskatchewan: Sask.Geol. Surv. Summ. Invest. 2002V2; 12p,

Seven | Reserves

[Contents](#)

DATE	RESERVES LISTED	COMMENTS
------	-----------------	----------

Eight | Production

[Contents](#)

The property was high-graded in 1968 and 27.925 tons of ore were shipped to the Flin Flon smelter for processing. The ore graded 12.40% Cu, 0.45 oz/ton Au, and 2.42 oz/ton Ag.



2 - 302 48th Street • Saskatoon, SK • S7K 6A4
P (306) 931-1033 F (306) 242-4717 E info@tsllabs.com

Company: Nordic Minerals Ltd.
Geologist: D. Benson
Project:

TSL Report: S49163
Date Received: Sep 25, 2012
Date Reported: Oct 01, 2012
Invoice: 69142

Remarks:

Sample Type:	Number	Size Fraction	Sample Preparation
Rock	4	Reject ~ 70% at -10 mesh (1.70 mm) Pulp ~ 95% at -150 mesh (106 µm)	Crush, Riffle Split, Pulverize
Pulp	0		None

Pulp Size: ~250 gram

Standard Procedure:

*Samples for Au (ppb) are weighed at 30 grams.
Samples for Cu (ppm) are weighed at 1.0 gram.
Samples for Cu (%) are weighed at 0.5 gram.*

Element Name	Unit	Extraction Technique	Lower Detection Limit	Upper Detection Limit
Au	ppb	Fire Assay/AA	5	3000
Cu	ppm	HNO3-HCl/AA	1	5000
Cu	%	HNO3-HF-HClO4-HCl/AA	0.01	80%

*Test reports may be reproduced, in their entirety, without our consent.
Liability is limited to the analytical cost for analyses.*



#2 - 302 48th Street • Saskatoon, SK • S7K 6A4
P (306) 931-1033 F (306) 242-4717 E info@tsllabs.com

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM

Nordic Minerals Ltd.
4727 Roblin Blvd.
Winnipeg, MB R3R 0G2
Ph: (204) 955-5042

REPORT No. S49163

SAMPLE(S) OF

4 Rock/0 Pulp

INVOICE #:69142
P.O.:

D. Benson

	Au ppb	Cu ppm	Cu %	File Name
023		966		S49163
023A		>5000	.64	S49163
020	<5			S49163
015		297		S49163
GS-2J	2560			S49163
ME-12		2155		S49163
ME-12			.44	S49163
FCM-6			1.22	S49163

COPIES TO: D. Benson
INVOICE TO:

Oct 01/12

SIGNED _____

Mark Acres - Quality Assurance

SAMPLE #	Au ppb	Cu ppm	Cu %	File Name
23		966		S49163
023A		>5000	0.64	S49163
20	<5			S49163
15		297		S49163
GS-2J	2560			S49163
ME-12		2155		S49163
ME-12			0.44	S49163
FCM-6			1.22	S49163