

Report of Diamond Drilling

On

Currie Bowman Property

Currie Township, Ontario

Larder Lake Mining Division

Claim 121077

For

Metals Creek Resources Corp.

2:40063



December 19, 2008

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Thunder Bay, ON  
P7B 6H2

## Table of Contents

Introduction.....	1
Location and Access.....	1
Terms of Reference.....	1
Property Status.....	1
Regional Geology.....	5
Property Geology.....	5
Exploration History.....	6
Personnel.....	7
2008 Drilling.....	7
Conclusions and Recommendations.....	9
Expenditures.....	10
References.....	11

### Tables

Table 1 – Claims List.....	2
Table 2 – Collar Coordinates.....	7

### Figures

Figure 1 – Regional Location Map.....	3
Figure 2 – Claims Status Map.....	4
Figure 3 – Drill hole Location Map.....	8

### Appendices

Appendix I.....	Statement of Qualifications
Appendix II.....	Drill Section and Plan
Appendix III.....	Drill Log

## **Introduction**

In late November and early December of 2008, Metals Creek Resources (MEK) drilled one NQ diameter diamond drill hole totaling 161 meters on claim number 1201077 in Currie Township. The drilling was conducted by Norex Drilling Limited of Porcupine, Ontario. The drilling was conducted for the purposes of testing a weak electromagnetic conductor.

The work was conducted on the Currie-Bowman property which consists of 30 claims (134 units) that are divided into 2 blocks, a southern block and northern block. The drilling took place on the most eastern claim of the northern block.

## **Location and Access**

The Currie-Bowman property straddles the border of Currie and Bowman townships which is approximately 55 kilometers east of the city of Timmins. Access to the property can be made from either roads Val Gagne South, Black Bear Road or Fisher Road South off of Hwy 101 east. Travel time to the property is roughly 15 minutes from the town of Matheson or 45 minutes from the city of Timmins.

Claim 1201076 that was drilled on is easily accessible by traveling east from Timmins on Highway 101 to Fisher Road South. Fisher Road is an all season gravel road that one travels for 4.8 kilometers to an un-named road that leads west. This road is traveled for 1.19km but only passable by ATV or snowmobile.

## **Terms of Reference**

Map projections are in UTM, North American Datum 83, Zone 17 and all referenced UTM coordinates are in this project unless stated otherwise. Contractions are “mm” = millimeter, “cm” = centimeter, “m” = meters, “km” = kilometers, “g” = gram, “kg” = kilogram, “in” = inch, “ft” = foot, “lb” = pound, “oz” = troy ounce, “oz/ton” = troy ounce per short ton, “g/T” is grams per metric tonne, and “ddh” = diamond drill hole.

## **Property Status**

The property consists of 30 claims that lie in Currie and Bowman Townships. The claims are divided into 2 separate claim blocks, a north block and south block. All of the claims are unpatented mining claims registered in the name of Kinross Gold Corporation as Metals Creek Resources is under option from Kinross Gold Corporation. The property lies within the Larder Lake Mining Division, administered out of Kirkland Lake, Ontario. (Figure 2)

A summary of the status for the individual claims is presented below.

Table 1

<b>South Block</b>			
<b>Claim Number</b>	<b>Units</b>	<b>Township/Area</b>	<b>Due Date</b>
866721	1	CURRIE (M-0341)	2009-OCT-11
866722	1	CURRIE (M-0341)	2009-OCT-11
866723	1	CURRIE (M-0341)	2009-OCT-11
866724	1	CURRIE (M-0341)	2009-OCT-11
1164140	8	BOWMAN (M-0333)	2009-OCT-15
1193806	4	CURRIE (M-0341)	2009-DEC-14
1201417	8	CURRIE (M-0341)	2009-JAN-11
1201083	16	CURRIE (M-0341)	2011-SEP-20
1201084	4	CURRIE (M-0341)	2009-SEP-20
1201080	2	BOWMAN (M-0333)	2009-SEP-20
1201081	2	BOWMAN (M-0333)	2009-SEP-20
1201082	8	BOWMAN (M-0333)	2009-SEP-20
1201248	12	CURRIE (M-0341)	2009-NOV-24
1201249	12	CURRIE (M-0341)	2009-NOV-24
1201250	2	CURRIE (M-0341)	2009-NOV-24
1198869	12	CURRIE (M-0341)	2009-MAR-10
1201418	2	CURRIE (M-0341)	2010-JAN-11
1201419	2	CURRIE (M-0341)	2010-JAN-11
1193536	2	CURRIE (M-0341)	2010-FEB-21
838336	1	CURRIE (M-0341)	2009-APR-04
838337	1	CURRIE (M-0341)	2009-APR-04
838338	1	CURRIE (M-0341)	2009-APR-04
838339	1	CURRIE (M-0341)	2009-APR-04
<b>North Block</b>			
<b>Claim Number</b>	<b>Units</b>	<b>Township/Area</b>	<b>Due Date</b>
1228643	2	BOWMAN (M-0333)	2010-AUG-22
1201085	16	BOWMAN (M-0333)	2010-SEP-20
1201076	2	CURRIE (M-0341)	2010-SEP-20
1201077	6	CURRIE (M-0341)	2010-SEP-20
1201252	1	BOWMAN (M-0333)	2009-NOV-24
1201422	1	BOWMAN (M-0333)	2010-JAN-11
1201424	2	BOWMAN (M-0333)	2010-JAN-11

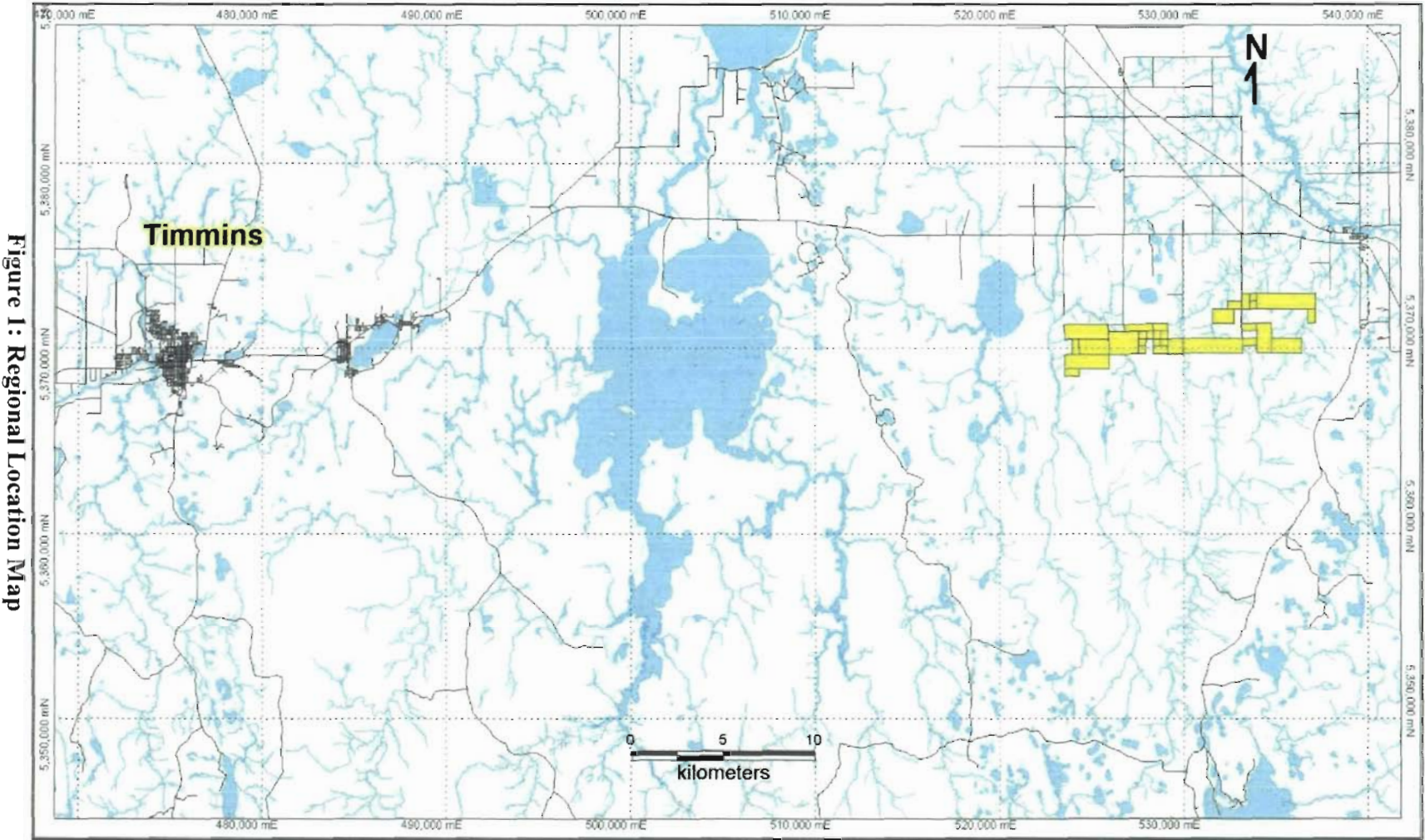
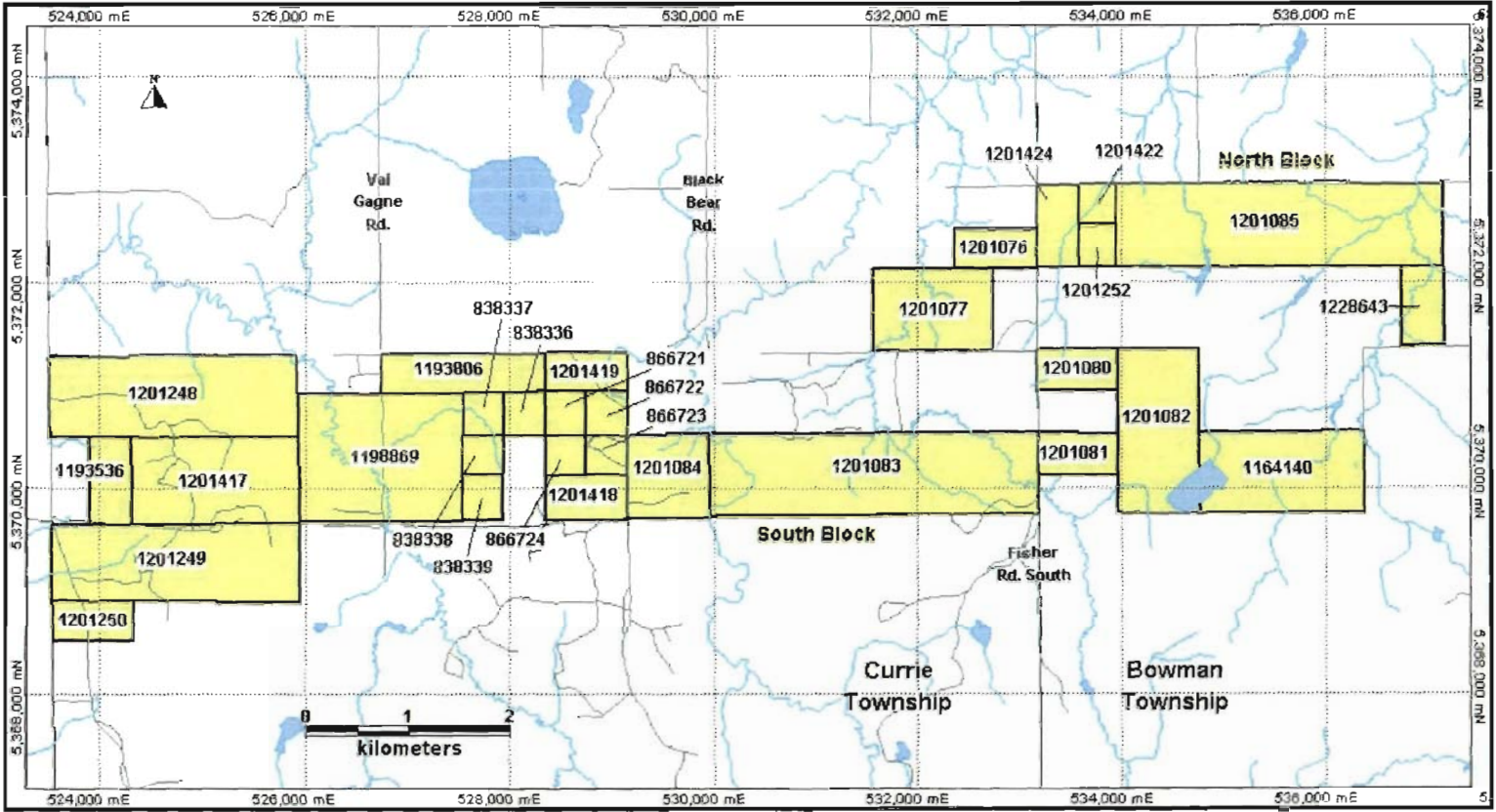


Figure 1: Regional Location Map

Figure 2: Claim Status Map



## **Regional Geology**

With a lack of outcrop in the Currie and Bowman Townships, the underlying geology can only be derived from the geophysical surveys and drill holes in the area. The property is said to be within the Kinojevis North Assemblage. The overburden has been proven to reach vertical depths of 75 meters in the area. The overburden is mainly composed of clays and gravel. The Kinojevis North Assemblage is a steeply dipping, south facing succession of pillowed, tholeiitic basalt and minor rhyolite. Interflow meta-sedimentary rocks, including chert, carbonaceous siltstone, lithic-wacke and crystal tuff are scarce. Meta-basalt members are laterally continuous over tens of kilometers and form distinct magnesium and iron-rich units. Some flows are locally feldspar-phyric and/or variolithic. The assemblage is truncated to the north by the Porcupine-Destor Deformation Zone.

## **Property Geology**

Mineralization appears to be stratabound, hosted within a thick package of felsic volcanoclastic rocks (dacite tuff), at or near the south contact with graphitic argillite. Thick sills of feldspar porphyry are spatially associated with the mineralization, intruding both the argillitic sediments and felsic volcanoclastic rocks. These sills are generally unaltered to weakly altered and void of mineralization. Pyrite content of the zone varies from massive to semi-massive near the argillite contact, to banded and disseminated further to the north, away from the contact. The thickness of the pyrite mineralization and sericite alteration generally exceed 30 meters, with the intensity gradually diminishing northwards into a relatively unaltered felsic volcanoclastic (dacite tuff) rock.

All holes intersect between 30 to 50 meters of pyrite-sericite schist associated with the Grindstone Creek Zone. A diabase sill averaging 25 meters in drill thickness divides the zone into hanging wall and footwall segments. In general, the hanging wall portion of the zone includes an interval of massive to semi-massive pyrite that sits stratigraphically along an argillite-dacite tuff contact, grading to heavily banded pyrite (>20%) within silicified to sericite altered dacite tuff. Footwall to the dyke, pyrite content generally decreases to between 10% and 20% and occurs as bands or laminations parallel to foliation and fine disseminated grains within a moderate to strong sericite altered dacite tuff. Pyrite content and intensity of alteration decrease gradually down hole into a relatively unaltered and unmineralized tuff. Sphalerite occurs as both fine to coarse stringers associated with galena in late cross-cutting quartz stringers within the massive to semi-massive portion of the zone, or as fine yellow to yellowish brown disseminated grains in the underlying banded pyrite-sericite schist.

## Exploration History

The Grindstone Creek Zone (GCZ) has had an abundance of work conducted in the area over the years in search for both base and precious metals.

Work began in 1983 when the Ontario Geological Survey (OGS) carried out an airborne magnetic and EM survey in the Matheson area which included Currie Township and the GCZ. In 1984 the OGS drilled reconnaissance scale overburden drilling in the Matheson area to establish the regional Quaternary stratigraphy and develop a till geochemistry database. Hole 84-28 was drilled in the GCZ area.

In 1985 and 86 Chevron Minerals Inc conducted overburden sampling and later drilled 2 diamond drillholes in 1987.

Also in 1987, Cominco drilled a hole to test a horizontal loop conductor south-east of Chevron Minerals.

Cross Lake Minerals conducted wholerock geochemical studies and geophysics over different claims in the Currie-Bowman Townships between 1988 and 1990. In 1989, Cross Lake Minerals ran an induced polarization survey with a pole dipole array at 50m electrode separations over the GCZ.

In 1990 and 91, Granges Inc. carried out magnetic, VLF, VLF-R and HLEM surveys over different areas of the Currie-Bowman property. In 1990, 1 hole was drilled just east of the GCZ.

Falconbridge Ltd. conducted an induced polarization in the GCZ area in 1996 using a dipole-dipole array at an 'a' spacing of 40m. As well, Falconbridge carried out a soil sampling program. In 1996, 5 diamond drill holes were drilled approximately 450m east of Grindstone Creek to test HLEM and enzyme leach anomalies. These holes intersected a wide zone of sericite and pyrite altered felsic metavolcanics with anomalous gold values of up to **3.5g Au over 2.25 meters** in hole CUR 32-02.

From February 15 to March 8, 1999, five diamond drill holes were drilled by Echo Bay Mines totaling 1,550 meters to test the west strike extension of what Falconbridge had intersected. The best intersection returned **2.08g/t Au, 19g/t Ag and 0.5% Zn over 18.9 meters (including 3.38g/t Au, 13.7g/t Ag and 0.58% Zn over 8 meters)** from hole CB-04.

From February 5 to March 5, 2000, five diamond drillholes totaling 1,652 meters were drilled testing the GCZ showing as well as IP targets to the west. The best intersections returned were **3.95g/t Au, 132g/t Ag and 3% Zn over 2.1m (HW zone) and 2.6g/t Au, 8.2g/t Au and 0.19% Zn over 5.05m (FW zone)** from hole CB-07.

Also in 2000, Crone Geophysics was contracted by Falconbridge to complete a borehole EM survey in hole CB-06 to test for off-hole sulphides.

In 2002, Echo Bay Mines Ltd. drilled 4 holes totaling 1,311 meters to test the western plunge of the GCZ at depth, as well as test to the east.

During 2007, North American Uranium Inc. re-logged selected holes from 1999 to 2002. Also a litho-geochemical sampling program was initiated on the felsic volcanoclastic units.

In early 2008, Metals Creek Resources refurbished 21.2 km of old grid and conducted ground magnetics and gravity over a large portion of the south block.



## Personnel

Norex Drilling Limited of Porcupine, Ontario was contracted by MEK to undertake the diamond drilling portion of the program. Metals Creek employees were responsible for supervising the drilling as well as core logging.

Norex Drilling Limited  
7210 Hwy 101 East  
Porcupine, Ontario  
P0N 1C0

Don Heerema Jr., Supervised drill program and logged core  
871-B Tungsten St.  
Thunder Bay, Ontario  
P7B 6H2

## 2008 Drilling

During the end of November and beginning of December 2008, MEK drilled one diamond drill hole on the north block of the Currie-Bowman property totaling 161 meters. The drilling was conducted by Norex Drilling Ltd. of Timmins, Ontario. The drilling took place with NQ diameter rods and NW casing. The intent of the drilling was to test a weak electromagnetic conductor that was generated from a Max-Min survey done in the fall of 2008. The drill hole collared and ended in homogeneous feldspar porphyry. The anomaly is likely explained by a 1.2cm wide chloritic shear containing 10% disseminated pyrite.

The collar position was spotted by MEK geologists using a hand held Garmin 76CXs gps system. Back sites were compassed in at 360°, later to be utilized for drill alignment.

The core was picked up by MEK geologists from the drill site and taken to a rented logging facility in Timmins where it was subsequently logged. All logging was conducted by geologist D.Heerema.

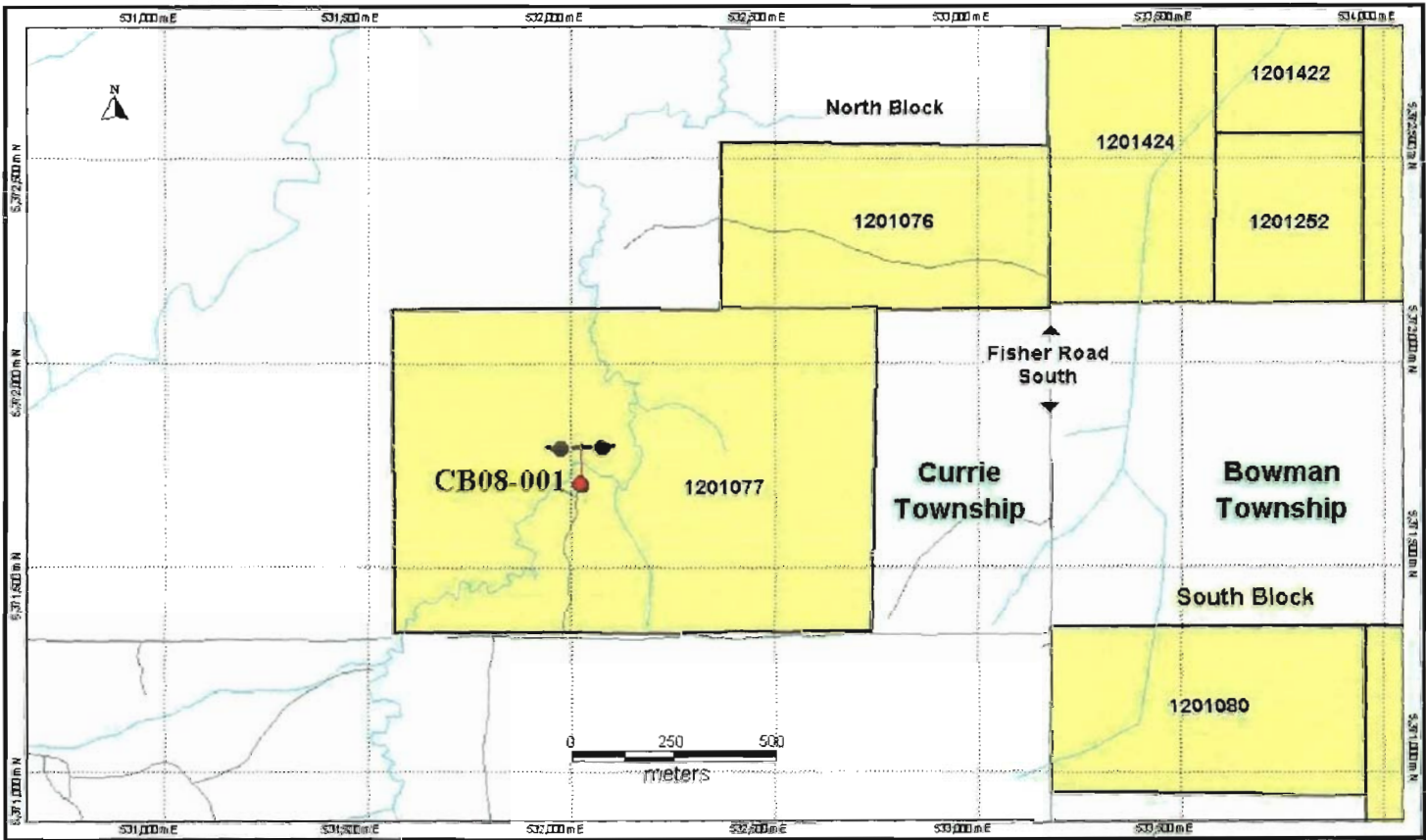
## Sampling/Assaying

Nothing of significance was intercepted, therefore no sampling was done.

**Table 2 Collar Coordinates**

Hole-ID	Easting	Northing	Elevation	Azimuth	Dip	Length
CB08-001	532023.25	5371702.42	270	360°	-45°	161m

Figure 3: Drill Hole Location



## **Conclusions and Recommendations**

The results of the drilling program are discouraging. The entire drill hole resulted in unaltered and very weakly mineralized feldspar porphyry. The porphyry is likely part of a large homogeneous stock. The electromagnetic anomaly is likely explained by a 1.2cm wide chloritic/pyritic shear. The anomaly does not warrant any further follow-up at this point.

## Expenditures

Below is a list of expenditures incurred for the diamond drilling program and report writing.

Diamond Drilling	\$ 12,101.00
Geologists Labour	\$ 2,100.00
<u>Accommodations &amp;Trans</u>	<u>\$ 641.32</u>
<b>Total</b>	<b>\$ 14,842.32</b>

## References

**Heerema, D.**

**2008:** Metals Creek Resources Line-cutting and Geophysics Report, Currie-Bowman Property

**Reid, W., Greenwood, R.**

**2007:** Assessment Report on Re-logging of Diamond Drill Core and Litho-Geochemical Sampling, Currie Bowman Property, Ontario

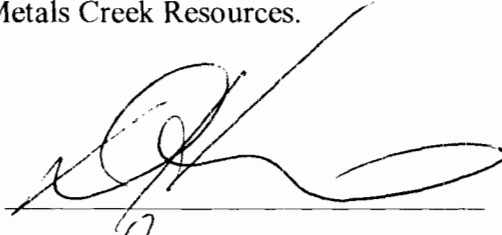
**APPENDIX I**

**STATEMENT OF QUALIFICATIONS**

I, Don Heerema Jr., hereby certify that:

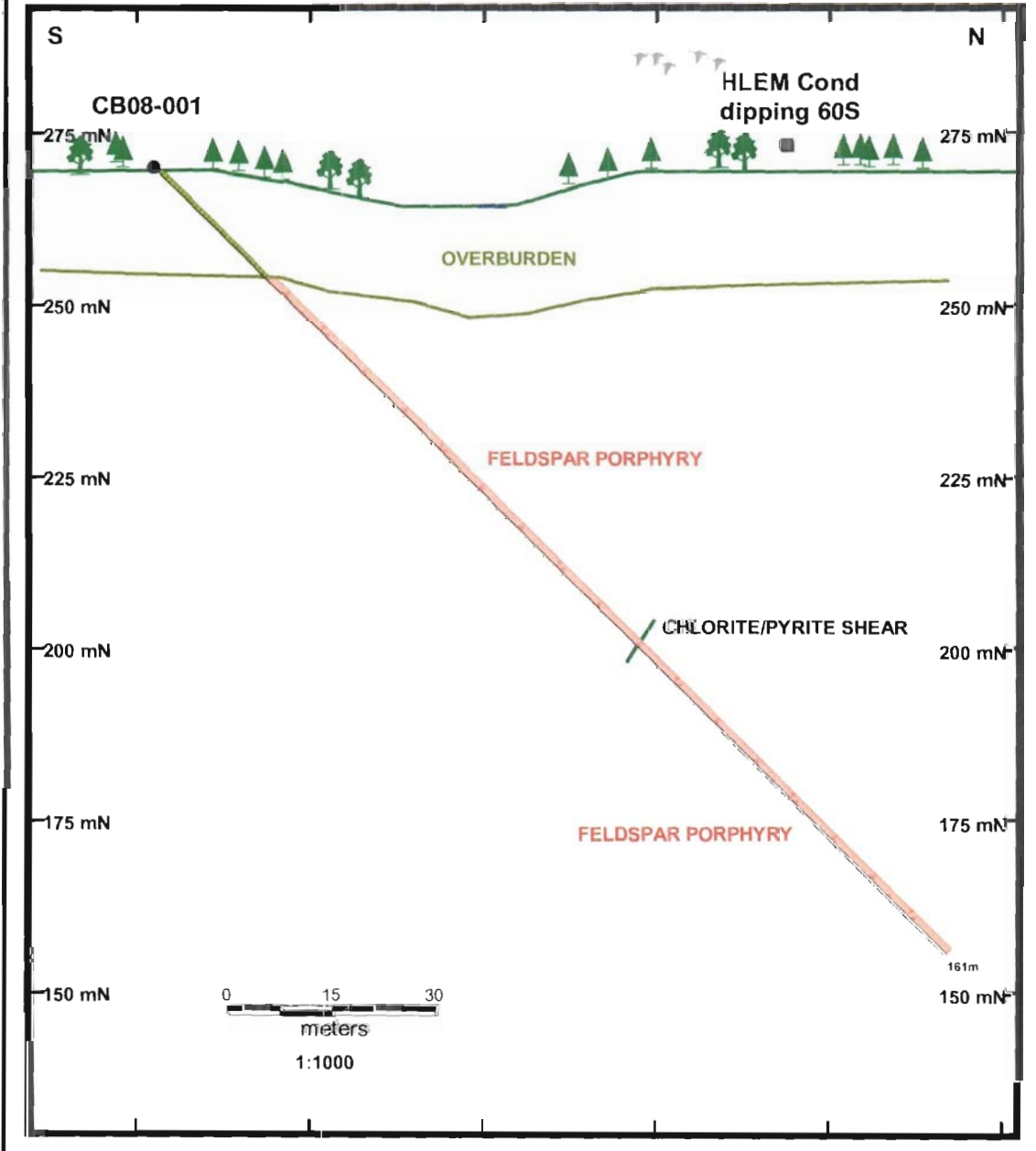
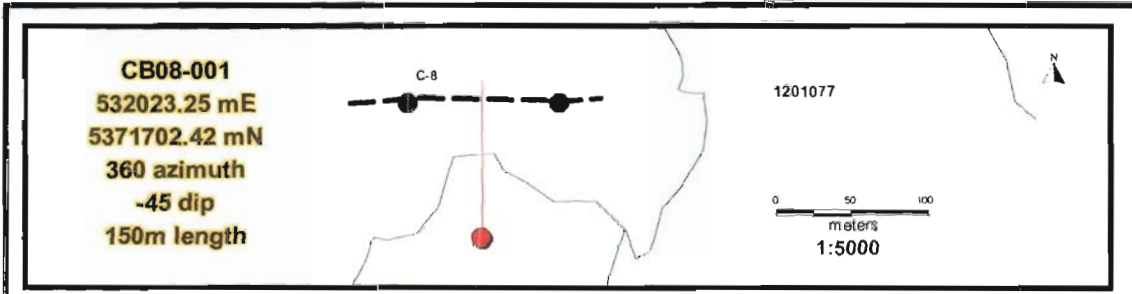
1. I am a practicing geologist in Thunder Bay, Ontario and reside at 26 Burriss St., Thunder Bay, Ontario, P7A 3C9.
2. I am a graduate of Lakehead University with a HBSc. in Geology.
3. I am a Canadian Citizen.
4. I have practiced my profession full time since graduation in 2002.
5. I am a practicing member of the Association of Professional Geoscientists of Ontario. (Registration #1528)
6. I do not have, nor do I expect to receive, directly or indirectly, any interest in the properties of Metals Creek Resources.

Signature:



Date:

*Dec 19, 2008*









# DIAMOND DRILL CORE LOGGING SHEETS

METALS CREEK RESOURCES

LOGGED BY: D.Heerema

SIGNATURE:

PROPERTY: Currie-Bowman

ZONE: N/A

HOLE NO.: CB08-001

Page 3 of 3

METERAGE		DESCRIPTION	% Core Recov	ROCK CODE	Alt'n		Bx Matrix		SAMPLES					ASSAYS					
FROM	TO				Plag	Pxr	Comp	Prop'n	No.	FROM (m)	TO (m)	LENGTH	%S	Cpy:Po	Pd (g/t)	Pt (g/t)	Au (g/t)	Cu (%)	Ni (%)
		161.0m the unit returns to the more competent and alkali feldspar rich porphyry like uphole.																	
		117.27 - 117.31m: pegmatitic qtz/felds vein at 30 degrees to ca -semi-transparent qtz and orange/red k-spar																	
		145.03 - 145.05m: pegmatitic qtz/felds vein at 25 degrees to ca -same as above																	
		155.10m: a thin 0.5cm qtz/chlorite vein at 15 degrees to ca -local vugs of smokey qtz -approx 1% pyrite within																	
		End of Hole																	
		///																	

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