

**AIRBORNE SURVEY FOLLOW-UP SAMPLING AND PROSPECTING REPORT**

**NORTH ROCK PROPERTY**

**2005**

Watten and Halkirk Townships  
Kenora Mines & Minerals Division  
Ontario

NTS 52C/11NE

for

MetalCorp Ltd.  
309 South Court Street  
Thunder bay, Ontario. P7B 2Y1

by

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**2.32111**

April 30, 2006  
Thunder Bay, Ontario

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## Summary

The North Rock Property of MetalCorp Ltd. (MTC) consists of 6 optioned and 11 staked claims, totalling 27 claims (203 units), located within the central portion of the Fort Francis-Mine Centre Greenstone Belt, of the Wabigoon Subprovince, Northern Ontario, 283 km west of the city of Thunder Bay, and 25 km east-northeast of the town of Fort Francis. Primary access for the eastern portion of the property is via several logging roads and trails from Highway 11. The Trans-Canada Highway 11, the southern trace of the Canadian National Railway (CNR), and a powerline pass through the eastern portion of the property. Access to the northern and southern portions of the property can be achieved by boat on Grassy Portage Bay and Seine Bay of Rainy Lake, respectively.

Between late May and early October 2005 MTC completed systematic prospecting and airborne EM anomaly follow-up sampling on the property using a recently completed cut grid with 100 m-spaced lines as location control. Also, the shoreline and islands of Grassy Portage Bay were prospected in detail by boat. Prospecting was completed concurrent with geological mapping at 1:5000 scale (to be described in a following report). A total of 489 grab samples were taken and submitted to ALS Chemex, in Thunder Bay, Ontario, for analysis.

Prior to the work by MetalCORP the property was known to host at least 7 base metal occurrences, 2 Cu mineralized zones, and one Cu deposit with historically outlined tonnage and grades. Prospecting by MTC during the 2005 field season lead to the discovery of at least 28 new Cu, Au, Mo, PGE, and Co occurrences and has confirmed the presence of significant base and precious metals zones throughout the property. This sampling program has shown that the North Rock Property has excellent potential to host 1 or more, moderate to high-grade Cu-dominant, precious metals-bearing disseminated or massive sulphide deposits.

## Recommendations

The positive results of the 2005 detailed prospecting and AEM anomaly follow-up program show that the North Rock Property has excellent potential to host Cu- and precious metals-rich, disseminated and massive magmatic sulphide deposits. Continued exploration on the property should include the following ~\$915,000 program (*see Appendix III for a detailed budget*):

1. Stripping, channel sampling, and detailed mapping of occurrences and mineralized zones.
2. Extension of the existing North Rock Grid to the southwest to include the 4 Martin-Pinksen occurrences.
3. Detailed prospecting of the extended grid and all other remaining portions of the property.
4. Geological mapping, at 1:5000 scale, of the extended portions of the North Rock Grid.
6. A large-loop ground pulse EM survey (UTEM, or Crone PEM) to cover the basal contact of the Grassy Portage Intrusion and to search for massive sulphide zones.
7. A minimum of 4000 m of diamond drilling to test known occurrences/zones, ground geophysical anomalies, and airborne EM anomalies.

## 1.0 Introduction

MetalCorp Ltd. (MTC) optioned the original 6 claim, 42 unit, North Rock Property on October 19, 2004, and has since staked an additional 21 claims (126 units). The property is located within the central portion of the Fort Francis-Mine Centre Greenstone Belt, of the Wabigoon Subprovince, northern Ontario.

The property contains the historically-defined Beaver Pond Deposit (~1,020,458 tons at 1.17% Cu, Bergmann 1973), the historic Main South, East, and B Cu Zones, at least 5 historic Cu±Ni occurrences, and a Zn-Cu Occurrence. MTC's adjacent Cousineau Property hosts the historic Mironsky Zone (~300,000 tons at 0.80% Cu) and numerous historic and recently discovered base and precious metals occurrences.

MTC contracted Eveleigh Geological Consulting (EGC) of Thunder Bay, Ontario, to cut a 100 m-spaced grid and complete systematic prospecting and airborne EM anomaly follow-up using the grid as control. The linecutting and sampling programs were completed between May 28 and October 5, 2005 and the prospecting confirmed the existence of the historic mineralized zones and occurrences, discovered numerous new occurrences, and has shown that the North Rock Property has excellent potential to host Cu-dominant, precious-metals-bearing, massive sulphide deposits.

## 2.0 Property, Location, and Access

The North Rock Property (*see* Figure 1) is located in northwestern Ontario, approximately 285 km west of the city of Thunder Bay and 25 km northeast of the town of Fort Francis. It consists of 27 unpatented mining claims, totalling 203 units (1904 hectares), 6 of which (42 units) are optioned from James E. Bond II, of Moorefield, West Virginia, U.S.A., and Aubrey Eveleigh, of Thunder Bay, Ontario. The property is located within western Halkirk Township (G-3808) and eastern Watten Township (G-3840), Kenora Mining Division, northwestern Ontario (*see* Figure 2). The claims are centred on Latitude 48°41'40"N, Longitude 93°05'00"W within NTS block 52C/11NE.

The property is easily accessed from Trans-Canada Highway 11, east of Fort Francis, Ontario, several forest access roads, a powerline access trail, and by boat from Grassy Portage Bay and Seine Bay of Rainy Lake. The eastern and northeastern portions of the property are crossed by a powerline, the CNR rail line connecting Thunder Bay with Rainy River, and Highway 11. All claims are in good standing and are listed in Table 1, below.

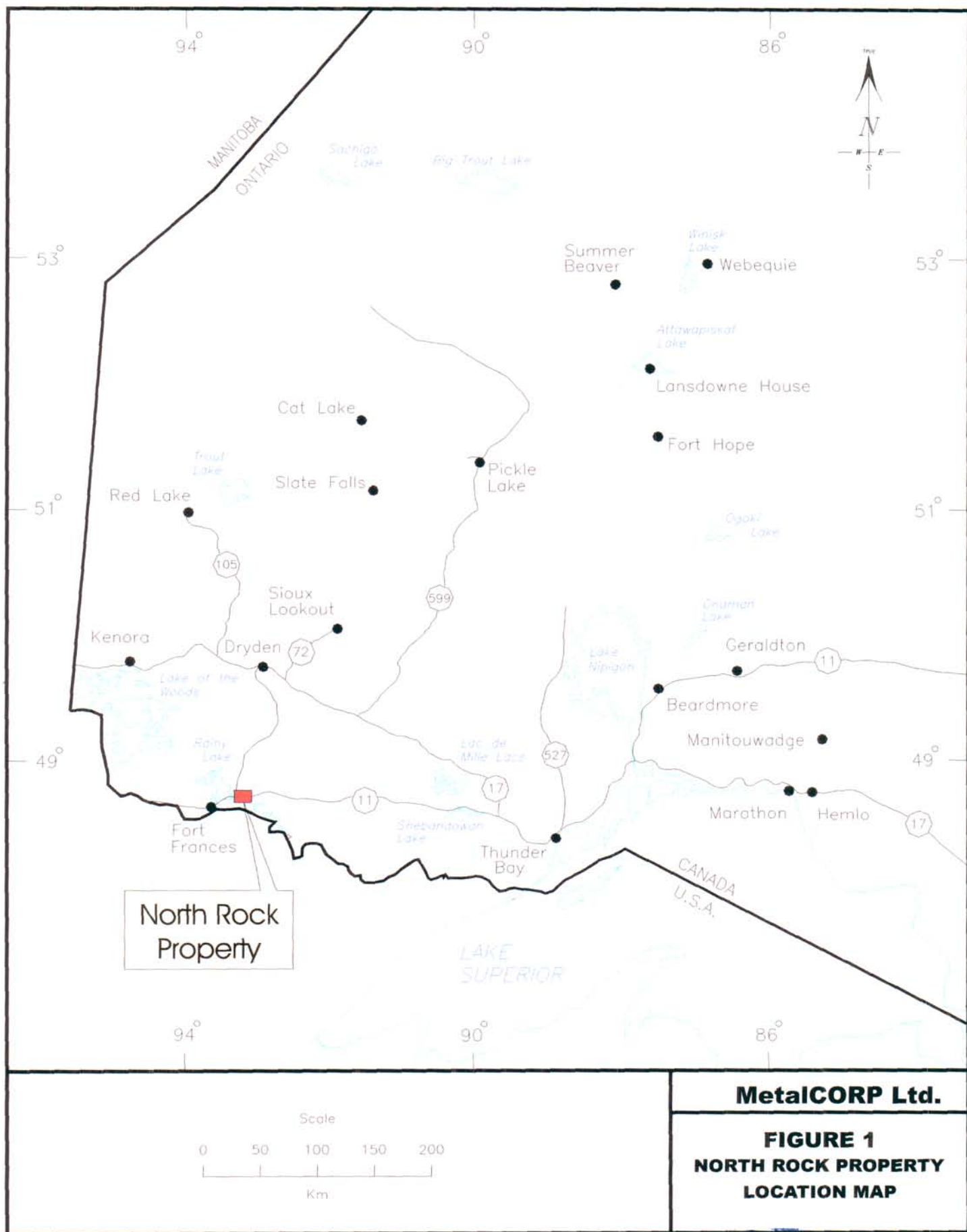
## 3.0 Topography and Vegetation

Most of the property is heavily forested and exhibits gentle to moderate relief, with localized areas of select-cut logging. Elevation within the property varies between the elevation of Rainy Lake at ~1107 ft (337 m) and ~1300 ft (396 m) within the central portion of the property. Small- to medium-sized swamps and bogs are scattered throughout the property.

The amount of exposed outcrop is variable, but usually ranges from 10 to 15%. Tree cover consists of mature stands of white pine, trembling aspen, white birch, white and black spruce, balsam, and locally red pine. The regions between outcrops are usually poorly drained and support a variable growth of black spruce, tamarack (larch), and tag alder. Rainy Lake occupies a small portion of the southeastern claims.

**Table 1: North Rock Property Claim Status**

Claim Numbers	Claim Units	Area (Ha)	Township/Area	Claim Ownership	Assessment Due (\$)	Due Date
K 1237828	3	48	Watten (East Half)	MetalCORP Ltd.	\$1,200	November 3, 2007
K 1237829	4	64	Watten (East Half)	MetalCORP Ltd.	\$1,600	November 3, 2007
K 1237857	2	32	Watten (East Half)	MetalCORP Ltd.	\$800	November 3, 2007
K 1237890	1	16	Watten (East Half)	MetalCORP Ltd.	\$400	November 3, 2007
K 1238152	6	96	Halkirk	MetalCORP Ltd.	\$2,400	December 22, 2007
K 1238153	4	64	Halkirk	MetalCORP Ltd.	\$1,600	December 22, 2007
K 1238154	10	160	Halkirk	MetalCORP Ltd.	\$4,000	December 22, 2007
K 1238155	15	240	Watten (East Half)	MetalCORP Ltd.	\$6,000	December 22, 2006
K 1238156	15	240	Watten (East Half)	MetalCORP Ltd.	\$6,000	December 22, 2006
K 1238157	10	160	Watten (East Half)	MetalCORP Ltd.	\$4,000	December 22, 2006
K 1238158	15	240	Halkirk	MetalCORP Ltd.	\$735	December 22, 2006
K 1238159	2	32	Halkirk	MetalCORP Ltd.	\$800	December 22, 2007
K 1238160	4	64	Watten (East Half)	MetalCORP Ltd.	\$1,600	December 22, 2006
K 1238161	1	16	Watten (East Half)	MetalCORP Ltd.	\$400	December 22, 2006
K 1238162	3	48	Watten (East Half)	MetalCORP Ltd.	\$1,200	December 22, 2006
K 1238163	2	32	Watten (East Half)	MetalCORP Ltd.	\$800	December 22, 2006
K 1238171	2	32	Watten (East Half)	MetalCORP Ltd.	\$800	March 3, 2007
K 1238172	16	256	Watten (East Half)	MetalCORP Ltd.	\$6,400	March 3, 2007
K 1238173	16	256	Watten (East Half)	MetalCORP Ltd.	\$6,400	March 3, 2007
K 1245438	6	96	Halkirk	Bond & Eveleigh	\$2,400	May 6, 2006
K 1245439	1	16	Watten (East Half)	Bond & Eveleigh	\$400	May 6, 2006
K 1246845	15	240	Halkirk	A.J. Eveleigh	\$6,000	December 29, 2006
K 1246846	4	64	Halkirk	A.J. Eveleigh	\$1,600	December 29, 2006
K 1246847	1	16	Halkirk	A.J. Eveleigh	\$400	December 29, 2006
K 1247174	15	240	Halkirk	Bond & Eveleigh	\$6,000	June 27, 2006
K 3005412	15	240	Halkirk	MetalCORP Ltd.	\$6,000	October 28, 2007
K 3005413	15	240	Watten (East Half)	MetalCORP Ltd.	\$6,000	October 28, 2007
<b>27</b>	<b>203</b>	<b>3248</b>			<b>\$75,935</b>	

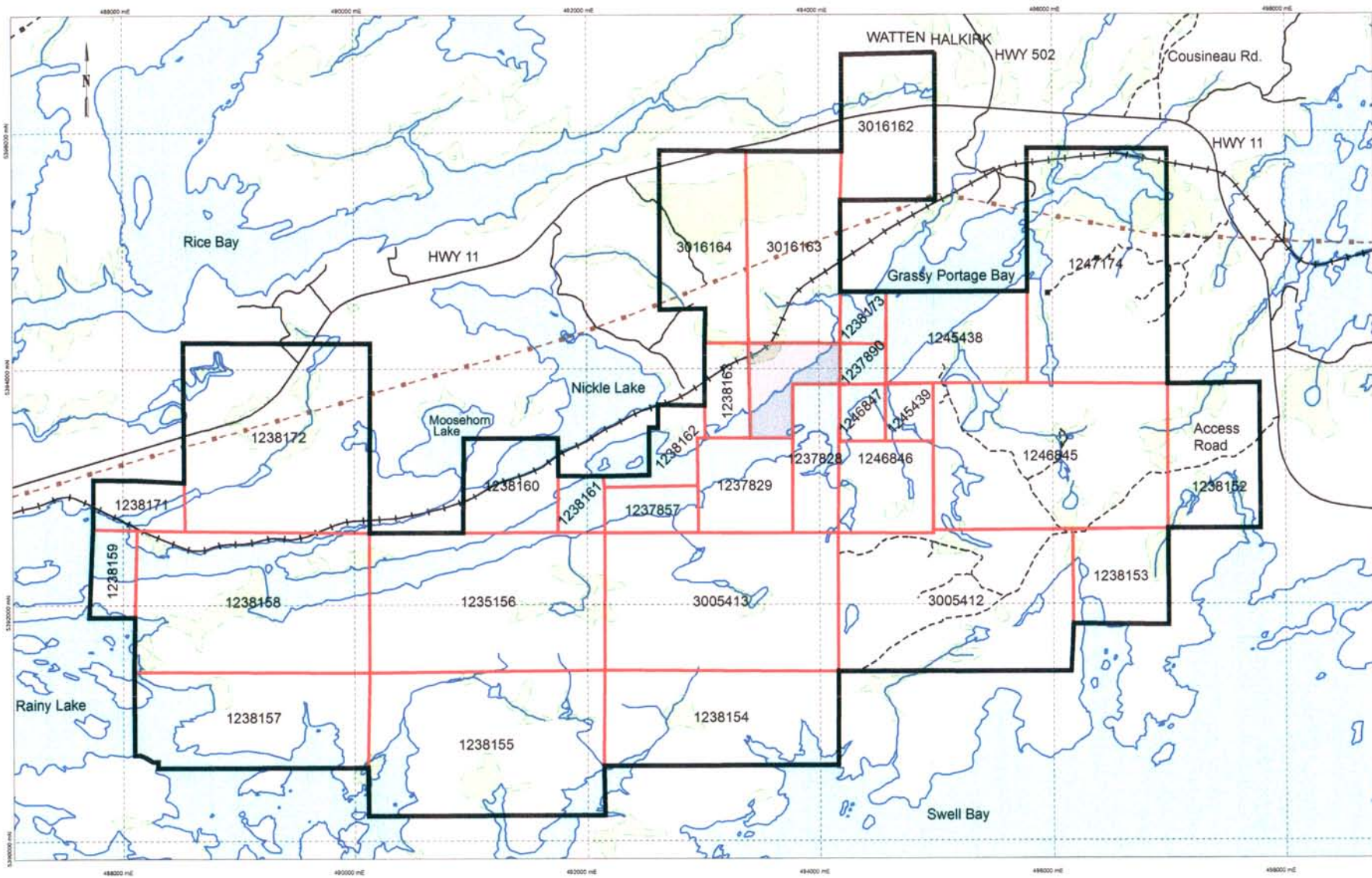


**MetalCORP Ltd.**

**FIGURE 1**  
**NORTH ROCK PROPERTY**  
**LOCATION MAP**

2.3211 1<sup>3</sup>





2.32111

**MetalCORP Ltd.**

**North Rock  
Claim Location Map  
Figure 2**

Date 03/14/05  
 Author:  
 Al MacTavish  
 Office: Thunder  
 Bay  
 Drawing:  
 Scale: NTS

Projection: Nad 83, Zone 15

#### 4.0 Regional Geology

The North Rock Property is located within the central, Archean-age, Fort Francis-Mine Centre Greenstone Belt within the southernmost portion of the western Wabigoon Subprovince (Blackburn et al. 1991) (see Figure 3). Poulsen (2000) describes the region as a fault-bound, structurally discordant wedge forming a boundary zone between the Wabigoon Subprovince granite-greenstone terrane, to the north, and the Quetico Subprovince metasedimentary terrane, to the south. Its north and south boundaries are defined by the Quetico Fault Zone (up to 1 km wide) and the Rainy Lake-Seine River Fault, respectively, and is generally considered to be part of the Wabigoon Subprovince. The wedge stretches from the Ontario-Minnesota border in the west, to near Flanders (Calm Lake area), in the east, where the northeast-trending Rainy Lake-Seine River fault system merges with the east-west-trending Quetico Fault Zone. The unit descriptions below are primarily derived from Poulsen (2000), Wood (1980), and Harris (1974), and will be confined to the discordant, boundary zone wedge (The Boundary Zone).

Andesitic to basaltic metavolcanic rocks are common and are often intruded by numerous, possibly subvolcanic, medium-grained gabbroic dykes and sills of highly variable thicknesses (<50 to locally >300 m). The flows are locally intercalated with ultramafic, intermediate, and felsic metavolcanic rocks, particularly in the Rice Bay and Shoal Lake areas. Narrow units of interflow clastic metasedimentary rocks, chert, and sulphidized oxide-facies iron formations are locally common.

Elongate, chloritized, dacitic to andesitic intermediate metavolcanic units, often intercalated with mafic and felsic metavolcanic rocks, are observed in several areas: a narrow, northeastward-trending band from Sandpoint Island, in Rainy Lake south of Swell Bay, to Mine Centre; several thicker units wrapping around the Rice Bay Dome; and several units in the Prospect Bay and eastern Swell Bay areas. The units often exhibit clastic textures, are locally amygdaloidal, and may be, in part, sub-aerial.

Rhyolitic to dacitic, felsic metavolcanic flows and pyroclastic rocks, intercalated with some intermediate and mafic metavolcanic rocks and often intruded by gabbroic dykes and sills, form a northeastward-thickening unit beginning south of Swell Bay and continuing east of Mine Centre. Flows are common near Mine Centre with pyroclastic rocks more abundant as the unit thins to the southwest.

The Redgut Bay-Grassy Portage area is host to an unusual, moderately to strongly magnetic, probably extrusive, in part pyroclastic, tremolitic, ultramafic unit locally characterized by fine (up to 15 cm diameter), subround to angular clasts within a fine-grained, magnetite- and tremolite-rich, locally talc-rich matrix. The main portion of this northeast-trending unit is between 300 and 800 m in width and approximately 5.6 km in length. Whole rock lithochemistry by Poulsen (2000) suggests that it has a komatiitic affinity. Narrow, usually <100 m thick, concordant units are often intercalated with the mafic metavolcanic and intrusive rocks surrounding the eastern Rice Bay Dome.

Two extensive units composed of feldspathic wacke and mudstone, rarely feldspathic arenite to quartz arenite (Coutchiching metasediments), occur within the Boundary Zone. The least extensive partially encircles the Rice Bay Dome and is between 100 and 1200 m in thickness. The other forms a thick, extensive, arcuate band between 3.0 and 6.5 km in thickness, that extends eastward from the southwestern shore of Rainy Lake, through Swell Bay, then arcs northeastward through Bear Passage and into Redgut Bay. This unit is regularly intruded by late, granitic to granodioritic stocks and plutons.

The coarse clastic rocks of the Seine Metasediments are extensively exposed in the Shoal Lake area and much less extensively exposed near Rice Bay. These rocks are characterized by coarse, heterolithic, clast-supported conglomerate, interbedded conglomerate and arenite, arenite, and minor



siltstone. Clast size decreases with stratigraphic height. Wood (1980) interprets these coarse clastic metasedimentary rocks as an alluvial fan merging into a braided fluvial terrane. North of Shoal Lake the basal conglomerates rest unconformably on coarse-grained tonalite and intermediate metavolcanic rocks. These rocks are locally intruded by quartz-feldspar porphyry sills or dykes.

Two large, systematically differentiated, sill-like, variably layered, melagabbroic to anorthositic mafic intrusions dominate the Boundary Zone. The largest is the Seine Bay-Bad Vermillion Intrusion which is over 40 km in length and up to 5 km in width. It extends from Sandpoint Island of Rainy Lake, in the southwest, to the northeastern corner of Bad Vermillion Lake, in the northeast. Rhythmic modal layering is locally well-exposed. The intrusion is often flanked, and locally intruded by, metamorphosed tonalitic to leucotonalitic plutons. The base of the intrusion, in the Bleak Bay-Little Grassy Bay area, is truncated by the Rainy Lake-Seine River Fault. The smaller, arcuate, Grassy Portage Intrusion is approximately 21 km in length, up to 2.2 km in width, and extends from Commissioners Bay, in the west, to Baseline Bay, in the north. Diffuse modally graded layering and rare flame structures suggest that the Grassy Portage Intrusion is southward-facing, whereas, internal differentiation and modal grading within the Seine Bay-Bad Vermillion Intrusion suggests that it is northward-facing.

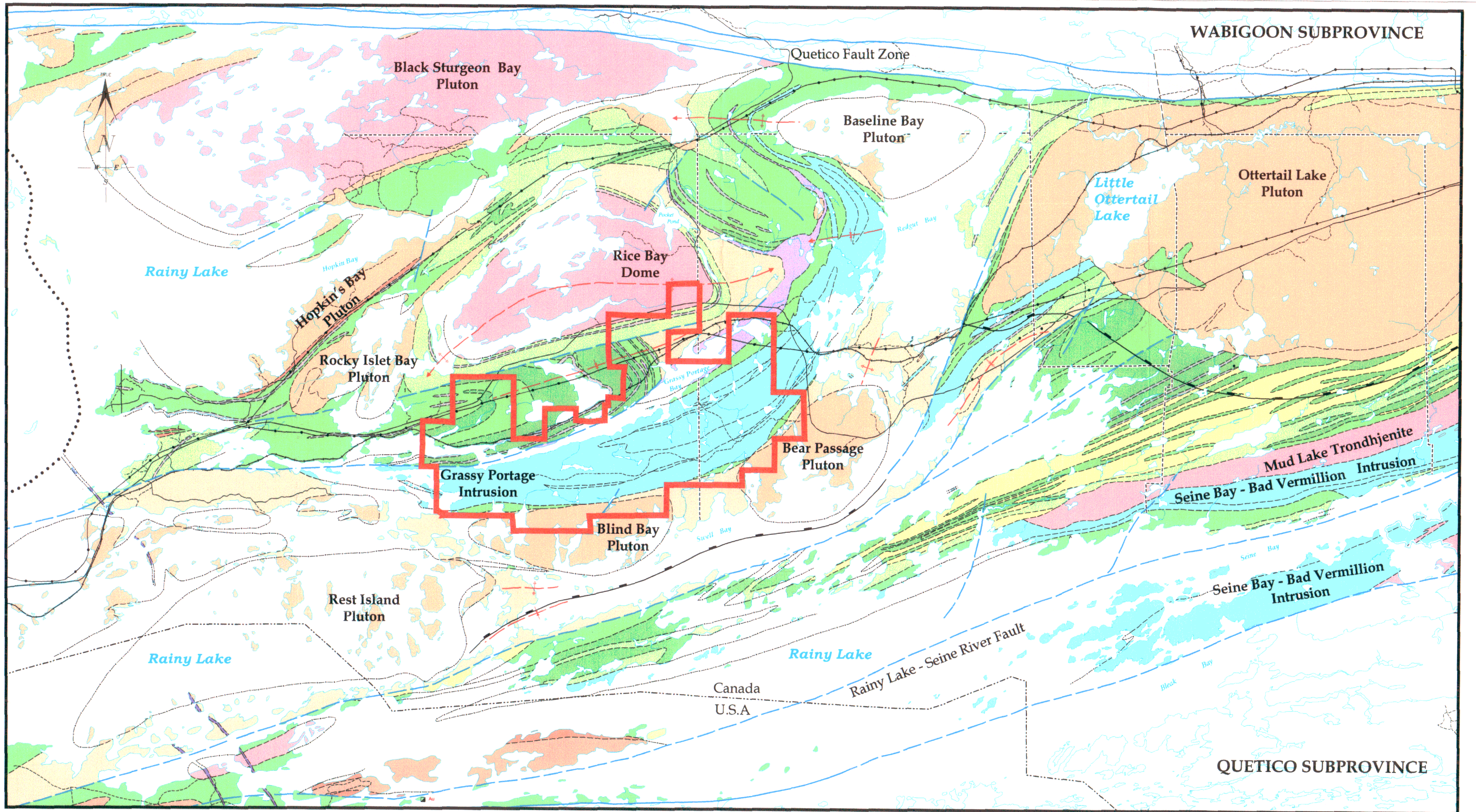
The Boundary Zone is intruded by 2 types of granitoid bodies. An older metamorphosed, often broadly conformable, usually gneissic, often sill-like group of intrusions, historically referred to as Laurentian-type granitoids and a younger, compositionally different, rarely foliated, series of discrete stocks and plutons that have been historically referred to as the Algoman-type granitoids. The older Laurentian-type bodies are represented by the sill-like Mud Lake Trondhjemite, the Bad Vermillion Tonalite, and several smaller bodies spatially associated with the Seine Bay-Bad Vermillion Mafic Intrusion; the Rice Bay Dome, composed of granite and quartzo-feldspathic gneiss, in the Rice Bay area; and the pear-shaped, texturally heterogeneous, strongly gneissic Black Sturgeon Bay Intrusion, located north of the Rice Bay Dome. The relatively numerous, primarily granitic to granodioritic, Algoman-type intrusions vary greatly in size and shape and include, in roughly decreasing order of size, the granitic to granodioritic Ottertail Lake Intrusion; the granitic to granodioritic Rocky Islet Bay and Hopkins Bay intrusions located west of the Rice Bay Dome; and the Rest Island, Blind Bay, Bear Passage, and Baseline Bay intrusions that form a string of stocks and plutons intruding the southern band of Couthiching-type metasedimentary rocks.

Most Boundary Zone supracrustal rocks, mafic intrusive complexes, and subvolcanic mafic dykes and sills have attained upper greenschist-facies regional metamorphic grade with regions adjacent to internal granitoid stocks and plutons reaching lower- to locally mid-amphibolite grade. Lower amphibolite-grade contact metamorphism is also commonly observed adjacent to the 2 large mafic igneous complexes.

All rock-types observed are cross-cut by northwest-striking, ~2200 Ma, quartz diabase dykes of the Kenora-Fort Francis swarm (Osmani 1991). Biotitic lamprophyres are observed locally.

Poulsen (2000) has noted evidence for at least 3, possibly progressive periods of deformation involving folding, shearing, and faulting. These structures record the transition from ductile to brittle deformation dominated by incremental shortening about a west-northwest oriented, sub-horizontal axis which imparted a dominantly northeast-trending grain to the region.





**PRECAMBRIAN PROTEROZOIC**

- Fault Rocks
- Dike Rocks
- ARCHEAN**
- NEOARCHEAN**
- Unmetamorphosed Granitoid Rocks
- Metamorphosed Finer-Grained Sedimentary Rocks

- Metamorphosed Coarser-Grained Sedimentary Rocks
- Metamorphosed Granitoid Rocks
- Metamorphosed Gabbroic Rocks
- Coarse-Grained Mafic Intrusive Rocks<sup>f</sup>

**INTRUSIVE CONTACT**

- Metamorphosed Wacke and Mudstone
- Metamorphosed Chemical Sedimentary Rocks and Intercalated Clastic Rocks
- Ultramafic Metavolcanic Rocks
- Felsic Metavolcanic Rocks
- Intermediate Metavolcanic Rocks
- Mafic Metavolcanic Rocks

**SYMBOLS**

- Geological boundary (position interpreted)
- Geological boundary (interpreted from geophysics)
- Limit of mapping
- Fault (observed)
- Fault (assumed)
- Anticline;
- Syncline;
- Antiform;
- Synform;
- direction of plunge may be indicated
- Highway or main road
- Access road
- Trail
- International boundary, approximate position only
- First Nation Reserve boundary
- Township boundary
- Railway line
- Hydroelectric power line
- Greenschist-amphibolite facies transition

**MetalCORP LTD.**

**FIGURE 3**  
**NORTH ROCK PROPERTY**  
**REGIONAL GEOLOGY**

0 1000 2000  
meters

2.32111



## 5.0 Exploration History and Government Surveys

There is a long history of base metals exploration within the North Rock area, with the earliest recorded work occurring in 1918, with possible, unrecorded work as early as 1902. Research suggests that there has been little exploration for the platinum group elements (PGE's) and only minor interest in Au. Most of the exploration activity occurred between 1958 and 1978 and was sporadic before or since.

Previous exploration and government surveys in the vicinity of the North Rock Property, as researched from the Resident Geologist's Assessment Files, (Kenora Mining Division, Ontario Geological Survey), Kenora, and Ontario Geological Survey reports are summarized below. Many of the occurrences present within and nearby the property are also described below and are shown on Map 1 (*see Back Pocket*).

- 1887:** The first geological mapping of the area was completed *A.C. Lawson*, of the Geological Survey of Canada, at a scale of 1"=2 miles.
- 1902, 1918 to 1919, 1958:** A sulphide-rich iron formation (**Nickel Lake Prospect**) was discovered near the south shore of Nickel Lake during construction of the southern branch of the Canadian National Railway (CNR) in 1902. There were unconfirmed reports that an exploratory diamond drill hole was completed that same year by an unknown party. During 1918 and 1919 the *Nickel Lake Mining Company* brought the 7 claims to patent and sank a 75 ft (23 m) shaft, with a 35 ft (11 m) cross-cut, a short distance north of the tracks, <100 m west of present North Rock Property Claim K1238163. Mineralization consisted of massive pyrite and pyrrhotite, with minor chalcopyrite and sphalerite, within black shale directly adjacent to oxide-facies iron formation. Disseminated chalcopyrite and pyrrhotite were also noted within amphibolite adjacent to the iron formation; however, no assays are available. During 1958 *Cliffs of Canada Limited* completed a reconnaissance magnetic survey.
- 1911:** *A.C. Lawson*, of the *Geological Survey of Canada*, remapped the area at a more detailed scale (1"-1 mile) and introduced some of the original Precambrian nomenclature of the area.
- 1918:** Unknown parties excavated several pits and trenches on a sulphide-facies iron formation containing between 5 and 25% semi-massive, banded to bedded pyrite (**Wallace Occurrence**). The host iron formation unit is located approximately 2150 m south-southwest, and along strike from, the Nickel Lake Prospect and is presently contained within 2 patented claims a short distance north of the of the present North Rock claims. No analytical results are available.
- 1918?:** Several pits and trenches were excavated by unknown parties, circa 1918, on the **Sims Station Occurrence**, which is located within the northwestern portion of the present North Rock claims.
- 1951:** *Brudon Enterprises* excavated at least 3 pits at uncertain locations east of Nickel Lake. These pits may have been completed on, or near, the **McTavish No 1 and 10 Trenches**.
- 1958 to 1970:** During 1958 *Noranda Mines Limited* rehabilitated several of the trenches sunk circa 1918 on the **Sims Station Occurrence**, located near the western end of Grassy Portage Bay within the northwestern portion of the present North Rock Property. That same year Noranda drilled 4 holes, totalling 282 ft (85.9 m), to test the occurrence and similar mineralization located along-strike to the west. Mineralization consisted of a well-mineralized unit of bedded clastic

and chemical metasedimentary rocks, flanked by gabbro, containing up to 90% massive pyrite, bands of magnetite, and variable amounts of chalcopyrite. A massive sulphide sample taken by Harris (1974) contained **0.33% Cu** and one drill intersection from beneath the trenches contained **0.60% Cu/5.0 ft (1.52 m)**. A hole drilled 400 m to the southwest (**Sims South Occurrence**) intersected **0.20% Cu/7.0 m**. The southern shoreline of Grassy Portage Bay was geologically mapped in 1966 in an effort to determine the location of the basal contact of the Grassy Portage Intrusion. Two holes, totalling 846 ft (257.9 m), were drilled in 1967 near the southern shoreline of Grassy Portage Bay. No significant intersections were obtained from these holes. During 1969 and 1970 Noranda completed linecutting, ground magnetometer and JEM surveys, excavated a large pit, and drilled 6 holes, totalling 2385 ft (726.9 m), in the vicinity and to the west of the Sims Station Occurrence. This work was completed on disseminated to massive pyrite, pyrrhotite, and chalcopyrite occurring within an intercalated sequence of clastic metasedimentary rocks, mafic metavolcanic flows, and oxide- and sulphide-facies banded iron formation. A sample of sulphide-facies iron formation taken by Harris (1974) from a 30 m trench (**Smith's Point Occurrence**) contained **0.30% Cu**. One drill hole tested a sulphide iron formation 60 m south of the trench and intersected 2 zones grading **0.22% Cu/7.0 m and 0.22%/13.0 m**, respectively (**Smith's Point South Occurrence**).

**1958 to 1974, 1990:** The mineralization comprising the **Main South Cu Zone** was discovered in 1958 a short distance south of Grassy Portage Bay by L. Turcotte, a prospector working for *Noranda Mines Limited*. The resulting 60 claim property comprised what is now the northeastern half of the North Rock Property. Between 1958 and 1970 Noranda flew an airborne magnetometer and EM survey and completed trenching, linecutting, geological mapping, ground magnetometer, JEM, and VLF-EM surveys, 16 diamond drill holes (1845 m) in 1959 and 1960, and 31 holes (3563 m) in 1966 and 1967. The 1959 drilling was primarily confined to the lenticular Main South Zone, with 2 holes on the **East Zone** (~875 m to the northeast), and intersected mineralization containing **1.5 to 4.5% Cu/2.0 to 20.0 m** over a strike length of approximately 400 ft (120 m). Much of the remaining drilling tested the **Beaver Pond Zone**, located 150 m to the southwest of the Main South Zone. This zone consisted of en echelon masses of Cu-rich, disseminated to net-textured chalcopyrite with subordinate pyrrhotite and localized disseminated molybdenite. The molybdenite occurs as intergrowths with chalcopyrite and pyrrhotite or as discrete grains within grey patches of hydrothermally altered gabbro. Grades vary from **<1% to >3% Cu/variable widths** over a strike length of ~400 m. *Seemar Mines Limited* optioned the 7 leases and 11 unpatented claims covering the Beaver Pond and Main South zones from Noranda in 1968. Seemar drilled 16 holes, totalling 7811 ft (2380.8 m), during 1969 and 1970. The claims were brought to lease in 1970 and a tonnage and grade estimate of **276,172 tons grading 2.00% Cu** was calculated, with a possible additional resource of **148,000 tons grading 0.99% Cu**. Seemar entered into an agreement with *North Rock Explorations Limited* in 1971 in order to finance continued exploration. North Rock drilled 17 infill holes during 1971 and 1972. This was followed in 1972 and 1973 by a limited underground development program comprising a 200 ft (61 m) shaft and 700 ft (213 m) of drifting on the 175 ft (53 m) level. The drift exposed **2 Cu-rich zones that averaged in excess of 3.00% Cu**. Work ceased in 1973 and the property was turned over to the new *Nor-Norrock Mining Company Limited*, who commissioned an independent appraisal of the property (Bergman 1973). Tonnage and grade calculations, completed by Bergman include **1,020,458 tons grading 1.17% Cu** over a 400 m strike length and **265,230 tons grading 2.08% Cu** over a 300 m strike length. Both estimates were good to a depth of only 91 m. The host-rock for most of the observed mineralization within the Beaver Pond and Main South Zones was variably altered leucogabbro (grey ore), gabbro, coarsely plagiophyric to

glomerophyric gabbro, and melagabbro (black ore). The East Zone drilling intersected **0.233% Cu/70 m, including 0.425% Cu and 0.044% MoS<sub>2</sub>/20 m**. Nor-Norrock completed a single, 251 ft (76.5 m) drill hole in 1974 south of the leases and intersected 50 ft (15.24 m) of disseminated pyrrhotite (no assays are available). Nor-Norrock commissioned **J.E. Steers and Associates Inc.** to prepare an independent report on the property in 1990 which gave a positive assessment of the potential of expanding the existing resource. No known exploration was completed on the leased claims after 1973 and they were allowed to lapse on June 1, 1999.

**1959:** **J. Galbraith** completed 4 diamond drill holes, totalling 282 ft (85.96 m), on the Sims Station Occurrence, located near the western end of Grassy Portage Bay. No assays are available.

**1959 to 1966:** **Noranda Exploration Company Limited** completed linecutting, magnetometer and EM surveys, geological mapping, and 15 diamond drill holes, totalling 3566 ft (1086.9 m), on 3 options that partially overlapped the eastern boundary of the present North Rock Property and with the bulk of the claims within the adjacent Cousineau Property, also owned by MTC. The claim groups included the present Belacoma North, South, and West occurrences, the Redgut Bay Occurrence, and probably included the Hupchuk, Hupchuk-Grassy Portage Bay, and Belacoma Trax occurrences.

**1959 to 1967:** **PCE Explorations Limited** staked 36 claims in 1959 immediately west and southwest of the Noranda Grassy Portage Bay Property within the core of the present North Rock Property. PCE optioned the claims that same year to **Noranda Mines Limited** who completed linecutting, geological mapping, ground Junior-EM (JEM) and magnetometer surveys, and 2 diamond drill holes (23 and 24), totalling 765 ft (233 m). A single hole (67-4) was drilled in 1967.

**1963 to 1970, 1973 to 1974:** A 30 claim property was staked in 1963 by **T. Daley and J.A. Galbraith**, immediately west of the Nickle Lake patents, to cover massive sulphide mineralization discovered during the construction of Highway 11. Between 1964 and 1970 the owners completed prospecting, trenching, and 35 diamond drill holes, totalling 4162 ft (1268.6 m). The **Galbraith-Daley Mining Company** was formed in 1970 to manage the property. Three zones of sulphide mineralization were discovered, only 2 of which have assays available. The original zone, the **Daley-Galbraith 1 Occurrence**, consisted of a 1 to 2 m thick lense of massive pyrite, pyrrhotite, and minor chalcopyrite within siliceous chemical metasedimentary rocks thought to represent sulphide-facies iron formation. An ODM surface sample (Harris 1974) contained only trace Cu and Ni. An 8 ft (2.43 m) core intersection from a hole drilled approximately 530 m along strike to the east contained **0.32% Cu and 0.21% Ni**. The **Daley-Galbraith 3 Occurrence**, located approximately 1000 m to the southeast of the #1 occurrence, contained abundant pyrrhotite and minor chalcopyrite within well-foliated to schistose gabbro that graded **0.42% Cu, 0.17% Ni, and 0.20% Zn**.

**1963 to 1968, 1980:** A 23 claim property east of Grassy Portage Bay was staked in 1963 by **M. Hupchuk and G. Armstrong**. The claims included a previously trenched Cu-Ni occurrence (**Hupchuk Occurrence**), located a short distance northeast of Highway 11, at the lower contact of the Grassy Portage Intrusion. All of the property is now included within the present Cousineau and North Rock properties and straddled the boundary between them. The owners completed prospecting and trenching in at least 3 separate areas. Chip samples of gabbro taken from the Hupchuk Occurrence trench by the ODM (Harris 1974) were described as similar to the 'black ore' of the Beaver Pond Deposit and contained **0.20% Cu and 0.13% Ni/90 ft (27.4 m)**. A

portion of the claims were optioned in 1963 to *Phelps-Dodge Corporation of Canada, Limited* who completed geological mapping and 12 diamond drill holes. Two of the holes (H6 and H7), totalling 729 ft (222 m), tested the Hupchuk Occurrence. The company dropped the option late in 1963. The owners drilled a 228 ft (69.5 m) hole south of east end of Grassy Portage Bay in 1964. *Noranda Mines Limited* optioned the western part of the property in 1966 and drilled a 2 hole fence (N79 and N80) on what is now the **East Cu-Ni Zone** on the presently adjacent North Rock Property. During 1967 and 1968 the owners drilled 4 holes, totalling 1145.6 ft (349.2 m), on various parts of the property. Two holes tested the eastern extension of the Hupchuk Occurrence; however, no assay results are available. The property may have been optioned to *Kerr Addison Mines Limited* in 1970 and to *Hudson Bay Exploration and Development Company, Limited* in 1972. Kerr completed a 170 ft (51.8 m) drill hole in 1970, in the vicinity of the Belacoma North Occurrence, and Hudson Bay completed linecutting and an EM-17 survey in the same area in 1972. The owners completed 2 holes south of Highway 11 in 1980.

**1963 to 1979:** The **Mironsky Cu Zone** was discovered by *M. Hupchuk* in 1963 during the construction of Highway 11. The mineralized zone was staked by *A. Mironsky* shortly thereafter and the 20 claims were quickly optioned to *Phelps-Dodge of Canada, Limited*. The claims would have been located immediately east of the present southeastern North Rock Property boundary and may have partially overlapped it. Phelps Dodge completed linecutting, geological mapping, ground magnetometer and Ronka EM, and 12 diamond drill holes, totalling 3754 ft (1144.2 m), that same year. Eight of the holes (A1 to A8), totalling 3030 ft (923.54 m), tested the Mironsky Zone and outlined a 250 m long, 10 m thick zone of disseminated chalcopryrite and pyrrhotite within a siliceous schist near the southeastern (upper) contact of the Grassy Portage Intrusion. Drill hole B-3 intersected **1.23% Cu/11.0 m**. Harris (1974) estimated that the drilling outlined **~300,000 tons grading 0.80% Cu**. Phelps-Dodge dropped the option late in 1963. *Kerr Addison Mines Ltd.* optioned part of the property in 1975. They completed several trenches and 2 drill holes, totalling 629 ft (191.7 m), on the Mironsky Zone during 1975 and 1976. *M. Hupchuk and G. Armstrong* excavated several trenches, approximately 750 m southwest of the Mironsky Zone, in 1975 and a 359 ft (109.4 m) drill hole (92-78) in the same area in 1978. The property was optioned to *Belacoma Mines Limited* in 1978 who drilled 11 holes on the Mironsky Zone and then dropped the option. The owners drilled 4 more holes (91-78, 93-78 to 95-78), totalling 1600 ft (487.7 m), in the southwestern portion of the property in 1979.

**1964:** The area was geologically mapped, at a scale of 1"=1 mile, by *J.C. Davies* of the *Ontario Department of Mines*.

**1965 to 1968, 1978, 1983:** A 21 claim property was staked north of Traverse Inlet of Swell Bay, Rainy Lake, in 1965 by *M. Hupchuk and G. Armstrong*. The property, located within the south-central portion of the present North Rock claims, was optioned in 1966 to *Cominco Ltd.* Cominco completed linecutting and geological mapping that same year. Magnetometer, IP-EM, and resistivity surveys were completed in 1967. After the option agreement was allowed to expire in 1968 the owners drilled 2 holes, totalling 1294 ft (394.4 m), to test one of the Cominco IP anomalies. The first hole intersected 30 ft (9.1 m) containing up to 10% pyrrhotite, chalcopryrite, and sphalerite (**Traverse Inlet Occurrence**) that graded **2.53% Zn and 0.11% Cu/10 ft (3.05 m)**. A 28 ft (8.53 m) interval in the second hole (drilled at 180° to the first) contained some pyrrhotite, chalcopryrite, and sphalerite. No further work was recorded until 1978 when the owners completed outcrop stripping and 4 diamond drill holes (91, 93 to 95). The property may have been optioned to *Corporation Falconbridge Copper* in 1983 when a 182 ft



(55.5 m), drill hole (177-IT) was completed northeast of the Traverse Inlet Occurrence. Poulsen (2000) reports that a sample of oxide-rich material from the property (location uncertain) contained 33.5% FeO (total iron) and 2.50% TiO<sub>2</sub>.

**1966:** An airborne EM and magnetometer survey was completed over a large area by *Noranda Mines Limited*.

**1966 to 1968:** A small property was staked by *B. Weiss and W.J. Cooper* to the southeast of the MacTavish occurrences and included the historic trenches excavated by the East Burdon Group in 1951. The surface trenches were reported to contain up to 25% pyrite and pyrrhotite at the contact between fine-grained gabbro and chloritic metasedimentary rocks. The owners drilled a 103 ft (31.4 m) hole near the CNR tracks that contained disseminated pyrite, pyrrhotite, and chalcopyrite, but no analytical results are available (**Weiss-Cooper Occurrence**).

**1966 to 1969, 1983:** *M. Hupchuk and G. Armstrong* staked a group of 19 claims to the north and northwest of the Hupchuk Occurrence after discovering malachite staining in outcrop. The property included much of the northern half of the present Cousineau Property and part of the northeastern portion of the present North Rock Property. The owners excavated several pits and trenches on the new occurrence (**Hupchuk-Grassy Portage Bay Occurrence**), drilled a 50 ft (15.2 m) hole, and exposed a northwest-trending, 10 ft (3 m) thick zone, over a strike-length of 100 ft (33.5 m). Observed mineralization consisted of disseminated pyrrhotite and chalcopyrite along the margins of a gabbro dyke/sill within an ultramafic pyroclastic unit. Four trenches were also excavated in the vicinity of the **Belcoma South Occurrence**, located 780 m to the northwest. The property was optioned in 1967 to *North 60 Explorers Limited* who completed linecutting, magnetometer and IP-EM/resistivity surveys, and 5 diamond drill holes (H1 to H3), totalling 3139 ft (956.8 m). The drilling tested 2 of 3 IP anomalies, with the northernmost hole (H1) intersecting undisclosed amounts of disseminated pyrrhotite and chalcopyrite. No assay results are available. The owners completed a single drill hole, totalling 218 ft (66.4 m), north of the Hupchuk-Grassy Portage Bay Occurrence and a short distance north of Highway 11, in 1978. Two holes, totalling 588 ft (179 m), were completed on the Hupchuk-Grassy Portage Bay Occurrence in 1983. No assay results are available.

**1966 to 1969:** A 25 claim group owned by *Paramacque Mines Limited* was located west of, and partially overlapped, the western boundary of the present Cousineau Property, east of Nickel Lake, a short distance north of the North Rock Property. Paramacque completed linecutting, geological mapping, ground magnetometer and EM surveys (McPhar 1000/5000), and six diamond drill holes, totalling 2012 ft (613.3 m), that tested 3 mineralized zones. Drilling of the southernmost zone (**Paramacque Zone**) intersected 2 intervals grading **1.39% Cu/2 ft (0.6 m) and 0.60% Cu/3.5 ft (1.1 m)**, respectively, within a lean iron formation containing considerable pyrrhotite and some chalcopyrite.

**1966 to 1969:** *Noranda Mines Limited* completed linecutting, ground magnetometer and EM surveys, and drilled 2 holes, totalling 410 ft (125 m), on a property located west and northwest of the Daley-Galbraith occurrences (west and northwest of Nickel Lake). One hole, located a short distance north of Highway 11, intersected **0.55% Zn/2.7 m (Moosehorn Occurrence)** within black shale containing some sphalerite, pyrite, and pyrrhotite.

**1968 and 1969:** The Rainy Lake area was mapped at 1:15840 scale by *F.R. Harris* of the *Ontario*

**Division of Mines.** Harris noted the presence of disseminated molybdenite and pyrite within a 300 ft (90 m) wide zone associated with the southeastern contact of the Rice Bay Dome and adjacent migmatized biotite-quartz schist (**Highway 11 Occurrence**). The molybdenite occurred within quartz veins, along fractures, or disseminated throughout granitoid and metasedimentary host-rocks. No assays are available. The occurrence is within the western edge of the present Cousineau Property.

**Pre-1969:** At least 6 trenches and pits were excavated by *J. Levar* on 4 patented claims located a short distance northwest of the present northwestern-most North Rock claims. Three trenches, located 400 m north of Highway 11, exposed locally massive to laminated pyrrhotite, pyrite and minor chalcopyrite within sulphide facies iron formation hosted by deformed pillowed mafic metavolcanic flows (**Kotnick North Occurrence**). A large trench exposed another sulphide facies iron formation, located 60 m south of Highway 11, that contained massive and disseminated pyrite, pyrrhotite, and some chalcopyrite (**Kotnick South Occurrence**). A sample taken by Harris (1974) from this trench assayed trace Cu and Ni.

**1969:** A 19 claim property was staked, circa 1969, southwest of the Beaver Pond Zone by *G. Laberge* and included the original P.C.E. Property optioned by Noranda in 1958. Four trenches were excavated that same year near the shoreline of a bay approximately 700 m southwest of the Beaver Pond Zone shaft.

**1971 to 1976:** A property, located immediately to the north of the Hupchuk and Hupchuk-Grassy Portage Bay occurrences, was acquired between 1971 and 1973 by *Belacoma Mines Limited*. Prospecting, several trenches, and 2 diamond drill holes, totalling 601 ft (183.2 m), were completed between 1971 and 1973. The property was optioned to the *Canadian Nickel Company Limited* (Canico) in September 1973. During 1973 and 1974 Canico completed linecutting, geological mapping, ground magnetometer and EM surveys, and 3 diamond drill holes, totalling 986 ft (300.5 m). A 1974 drill hole completed on the **Belacoma North Occurrence** intersected **0.45% Cu and 0.12% Ni/0.55 m**. The option was dropped in 1974. During 1975 and 1976 Belacoma completed additional trenching and 8 drill holes. The work completed between 1971 and 1976 defined the locations of the **Belacoma North, South, and West occurrences**. Grab samples from the Belacoma West Occurrence contained **0.29% Cu, 1.23% Ni, and 0.17% Co** and a drill intersection from the same zone graded **0.22% Ni, 0.08% Cu/8.62 m**.

**1972:** A property of unknown size was staked by *R.W. Cousineau* circa 1972. He excavated 3 trenches a short distance south of Highway 11, north of the Hupchuk-Grassy Portage Bay Occurrence. The property may have been optioned to *Hudson Bay Exploration and Development Company Ltd.* that same year who completed linecutting and a Geonics EM-17 HLEM survey over one of the claims.

**1972 and 1973, 1976 and 1977:** *K.J. and J.G. McTavish* staked a 12 claim property located to the east and northeast of Nickel Lake in 1972. They completed prospecting, excavated several pits and trenches, and then optioned the claims to *Noranda Mines Limited* in the spring of 1972. During 1972 and 1973 Noranda completed linecutting, geological mapping, ground magnetic, VLF-EM, and HLEM surveys, and 2 diamond drill holes, totalling 635 ft (193.5 m). The drill logs were not submitted for assessment. The **McTavish Trench 1 Occurrence**, located midway between Highway 11 and Nickel Lake, exposed intercalated impure marble, pyrite- and

pyrrhotite-bearing recrystallized chert, and pyritic shale containing sphalerite and minor chalcopyrite. Grab samples taken from this trench contained up to **4.0% Zn and 1.4% Cu** with chip samples containing **0.3% Zn and 0.12% Cu**. Diamond drilling beneath the trench intersected **0.22% Zn, 0.13% Cu/3.0 m and 0.14% Zn and 0.12% Cu/4.0 m**. The **McTavish Trench 10 Occurrence**, located about 1220 m to the east-southeast of Trench 1 near the CNR tracks, exposed lean oxide-facies iron formation adjacent to a black siliceous rock containing moderate amounts of chalcopyrite, pyrrhotite, and magnetite. Noranda drilling to test Trench 10 intersected **0.18% Cu/5.6 m**. During 1976 and 1977 several trenches were excavated, geological mapping program was completed of the western portion of the property, and 4 holes, totalling 1475 ft (449.6 m), were drilled to test Trench 10. No assay results are available from this work.

- 1973:** A 39 claim property was staked west of Moosehorn Lake by **V. Borschneck**, circa 1973. He completed linecutting and VLF-EM and magnetometer surveys.
- 1974:** Two shallow drill holes, totalling 640 ft (195 m), were drilled by **S.J. Duggan** southwest of the Beaver Pond Zone (location uncertain). No sulphide mineralization was noted in the drill logs and no assay values are available.
- 1976:** The area bound by Rice Bay, in the northwest, and Bear Passage, in the southeast, was mapped at reconnaissance and detailed scales by **K.H. Poulsen** (1980 and 1981). This work provided the basis of Poulsen's M.Sc. and Ph.D. theses and several **Ontario Geological Survey** publications.
- 1978:** A 19 claim group was staked by **R.W. Cousineau** to cover the Mironsky Zone. A single, 271 ft (82.6 m) drill hole (no available assays) was completed on the Mironsky Zone near Highway 11. There is no record of whether any further work was completed on the claims.
- 1979 and 1980:** The **Ontario Geological Survey** commissioned a Questor Surveys Limited airborne EM and magnetometer survey over the Atikokan-Mine Centre area that included the Grassy Portage Bay area.
- 1980 to 1984, 1990:** A group of 20 claims, located southwest and south of the Nor-Norock leases (Beaver Pond and Main South Zones), were staked by **Kalrock Developments Limited** in 1980. An interpretation of an OGS airborne survey was completed that same year. Linecutting, ground magnetometer, MaxMin, and CEM surveys were completed in 1982. The EM surveys detected several strong conductors and in 1983 the company drilled 3 holes, totalling 866 ft (240 m). Minor amounts of unspecified sulphides were present within the drill holes; however, no assay results are available. By 1990 the property consisted of 36 claims and during that year **Kalrock Resources Limited** completed prospecting and AEM follow-up geophysics of selected areas using a Crone CEM instrument.
- 1986 to 1988:** A group of 16 claims was optioned from **L. Cousineau** by **Kidd Creek Mines Ltd.** This property straddled the western boundary of the present Cousineau Property. Kidd Creek drilled 2 holes, totalling 202.4 m, a short distance to the east of Highway 502. The target of this drilling is thought to be molybdenite mineralization near the margins of the Rice Bay Dome. During 1987 and 1988 Mr. Cousineau excavated 11 trenches on the property.
- 1993 to 1995:** A 6 claim property, located north of Moosehorn and Nickel Lakes, was staked in 1993 by **Phelps-Dodge of Canada Ltd.** Over the next 3 years the company completed linecutting,

geological mapping, lithogeochemical sampling, ground HLEM and magnetometer surveys, and a Transient Domain EM (TEM) survey.

**1998 to Present:** The present, 23 claim, 111 unit Cousineau Property was staked between 1998 and mid-2005 by *Louis and Ray Cousineau*. During that time they completed considerable prospecting, excavated in excess of 30 trenches on several soapstone occurrences and some of the historic Cu occurrences, and have discovered several previously unknown occurrences. Assays obtained from these trenches include *16,229 ppm Cu, 437 ppb Au, and 458 ppb Pd* from Pit 52; *1936 ppb Au, 99 ppm Ag, 3543 ppm Cu, 4188 ppm Pb, 246 ppb Pd, and 129 ppb Pt* from Pit 53; and *1692 ppb Au* from the Zone 19 trench. Several large samples taken from the Grassy Portage Ultramafic Pyroclastic sequence were sent for caustic fusion analysis to test its diamond-bearing potential. No diamonds of any size were recovered. The property was optioned to *MetalCORP Ltd.* on September 2, 2005. MetalCORP has since completed linecutting, geological mapping, and detailed prospecting over the central portion of the property.

**1999, 2001:** Two blocks of claims comprising 6 claims (35 units) were staked by *J.E. Bond II, A. Eveleigh, and J.G. Clark* to cover the Beaver Pond and Main South Zones. These claims straddled the present North Rock and Cousineau property boundaries. The property was optioned to *Northern Crown Mines Ltd.* who then completed a program of prospecting (61 samples) during May and June 2001. During this time the property and the Beaver Pond Zone rock dump were also sampled by Inco Ltd., Greenshield Resources, and North American Palladium. The best assays were obtained from the rock dump and graded up to *8.9% Cu, 0.87% Ni, 690 ppb Au, 0.05% Co, 1570 ppb Pt, and 590 ppb Pd.*

**2001, 2003 to Present:** A single, 15 unit claim, that included the East Cu Zone, was staked by *A.J. Eveleigh and J.E. Bond* in mid-2001. Five additional claims (27 units) were added to the property in 2003. Two prospecting programs were completed during 2003 and 2004. The property was optioned to *MetalCORP Ltd.* during October 2004. MetalCORP added another 11 claims (77 units) to the property late in 2004 to bring the total to 17 claims (119 units). During 2005 MTC completed an AeroTEM II helicopter-borne survey, a 14 hole, 3900 m, Phase 1 diamond drill program, linecutting, detailed prospecting, and geological mapping.

## **6.0 2005 Linecutting and Prospecting Program**

Linecutting and detailed, systematic, grid prospecting over the eastern half of the North Rock Property and systematic prospecting of the shoreline and islands of Grassy Portage Bay by boat were completed between May 28 and October 5, 2005. All significant anomalies detected during a January 2005 helicopter-borne ATEM II survey, completed by Aeroquest Surveys, were systematically examined using the 100 m-spaced lines of the new grid as control. Fill-in traverses were completed where necessary. Additional location control in UTM co-ordinates (NAD 83) was provided by Garmin GPS12XL and Garmin GPS76S handheld GPS instruments, later downloaded onto a laptop computer, and then imported into the MapInfo/Discover GIS.

A total of 489 grab samples were taken, including 139 samples from the geological mapping program (described within a separate report), and 1 sample from the Beaver Pond Zone rock dump. All outcrop locations, and grab sample locations are plotted at 1:5000 scale on Maps 2 and 3 (Back Pocket). Sample descriptions, selected analyses, cut grid and UTM locations (NAD 83) are listed in table form in Appendix I. All Certificates of Analysis are located in Appendix II.

The linecutting, prospecting and sampling were contracted to Eveleigh Geological Consulting (EGC) of Thunder Bay, Ontario. Prospecting and sampling were completed by EGC Senior Project Geologist Mitch Dumoulin and EGC Field Technicians Jim Martin, Jeff Pinkson, Jonathon Pinksen, Glen Cawdrey, and David Pykari. The program was field supervised by EGC Senior Geologist Mitch Dumoulin, B.Sc., P.Geo., with overall direction provided by the author, MetalCorp Senior Geologist Allan MacTavish, M.Sc., P.Geo.

## 7.0 Property Geology

The property geology is summarized from Harris (1974) and Poulsen (2000) and modified using observations made by the author and EGC geologists and field technicians during the 2005 field season.

The North Rock Property (Figure 3, Map 1) is primarily underlain by the differentiated Grassy Portage Intrusion (GPI) with lesser amounts of the Grassy Portage ultramafic pyroclastic sequence (GUP); clastic metasedimentary rocks of the Couthiching Metasediments; granitoid rocks of the Bear Passage and Blind Bay plutons; sections of 2 formational, composite, chemical/clastic metasedimentary sequences; two narrow mafic metavolcanic units; and a few, possibly subvolcanic gabbro sills. All observed rock-types comprise the southern limb of a large-scale open, antiformal fold cored by the Rice Bay Dome located approximately 1.50 km north of the property (Figure 3, Map 1). Most rock-types have been regionally metamorphosed to lower amphibolite-grade.

The southwestern two-thirds of the *Grassy Portage Intrusion* underlies the core of the property (~75%). This large, sill-like, mafic complex intrudes all observed supracrustal rock-types, and is composed of a well-differentiated, locally layered, cumulate sequence of medium- to coarse-grained, melagabbro, gabbro and leucogabbro; coarsely plagiophyric to glomero-plagiophyric gabbro to leucogabbro; localized intervals of medium- to coarse-grained anorthosite; and a discontinuous, non-cumulate, ophitic-textured, melagabbroic border phase that is present along both the upper and lower contacts of the complex. The intrusion is structurally overturned and stratigraphically south-facing. Chalcopyrite-dominated mineralization concentrates along both upper and lower contacts with the greatest sulphide abundances observed near the basal, or northern contact.

Narrow, discontinuous, bands of *mafic metavolcanic rocks*, up to 300 m thick, flank the northern and southern contacts of the Grassy Portage Intrusion. These rocks consist of amphibolitized, fine-grained, massive to pillowed flows, often recrystallized due to contact metamorphism, that locally exhibit narrow intervals of hyaloclastite and fine, interflow, clastic and chemical metasedimentary rocks. A thicker, folded sequence of similar rocks is underlies the property west of Moosehorn Lake and north of Sims Station. Medium- to coarse-grained, ophitic-textured *gabbro sills or thick mafic flows* are locally observed and may represent subvolcanic intrusions related to the mafic metavolcanic pile. The mafic flows are locally intercalated with *composite, iron-rich, formational metasedimentary units*, locally up to 100 m in thickness, that consist of interbedded chert, oxide- and sulphide-facies iron formation, pyritic slate, and thin interbeds of siltstone and siliceous biotite schist.

The only observed *ultramafic metavolcanic rocks* (Poulsen 2000) comprise the *Grassy Portage Ultramafic Pyroclastic Sequence* and consist of a crudely bedded, up to 800 m thick, moderately to strongly magnetic, pyroclastic basaltic komatiite to komatiite that occurs along northern and eastern Grassy Portage Bay and then arcs to the northeast through the adjacent Cousineau Property towards the Baseline Bay area. Exposure of this unit within the North Rock property is primarily along the northern shoreline and islands of Grassy Portage Bay. Schaeffer and Moreton (1991) state that the thickest (proximal?) portions of the sequence consist of komatiitic lapilli tuff to pyroclastic breccia with angular

to subround, up to 15 cm in diameter, ultramafic clasts within a moderately to strongly magnetic, fine-grained, locally strongly talcose, tremolite matrix. Cored and composite lapilli, evidence of explosive volcanism, are common and highly vesicular clasts are locally present. Where fragments are not visible the rocks consist of a fine-grained tremolite schist. The sequence apparently thins and fines to the northeast, within the Cousineau claims, where it splits into two narrow units.

## 8.0 Mineralization

Prior to the work by MetalCorp the rocks underlying the North Rock Property were known to host the historic Beaver Pond Cu Deposit (1,020,458 tons at 1.17% Cu), the Main South and East Cu zones, several Cu±Ni±Mo occurrences, and a Cu-Zn occurrence (Map 1). The 2005 prospecting program discovered at least 28 new occurrences (Map 1) and diffuse zones (see below) and numerous low-grade showings (not described) from the 489 grab samples taken (Maps 2 and 3). Most of the new occurrences were Cu-dominant (22) with subordinate, highly variable amounts of Ni, Ag, Pt, Pd, and occasionally Co, Mo, and As. The remaining newly discovered mineralization consists of 3 Co-dominant occurrences, with subordinate to minor Cu, As, and Au; 1 Zn-Cu occurrence; and 2 Ni-dominant occurrences. The numerous base- and precious metals-rich samples obtained from the known historic mineralized zones allowed MTC to better define the extent of the known surface mineralization. Most of the presently defined, surface mineralized zones are aligned roughly subparallel to the basal contact of the Grassy Portage Intrusion, are elongate in outline with diffuse margins, and contain highly variable amounts of sulphides with highly variable, but internally consistent, base and precious metals grades associated with a confined range of rock-types. Significant analyses (>2500 ppm Cu; >1000 ppm Ni; >2500 ppm Zn; >200 ppb Au, Pt, and Pd; >250 ppm Co, and >200 ppm Mo) and their occurrence/zone designations are listed in Table 2. Please note that the Cr and Ni contents within olivine-bearing ultramafic rocks are characteristically between 1000 and 3000 ppm with the Ni values comprising normal background due to unrecoverable silicate Ni within the structure of the mineral olivine and is not due the presence of Ni-bearing sulphides. It is apparent, when Table 2 is closely examined, that well-defined positive relationships exist between moderate to high values of Cu/Ag, Ni/Co, and Cu/S with a less well-defined positive relationship between Cu/Au. For values of <1% Cu there are positive relationships between Cu/Pd, Cu/Pt, and Cu/Co, but these patterns break down at higher Cu values.

The known occurrences and zones within the North Rock Property are described in alphabetical order, below, with locations presented on Map 1 (Back Pocket) and within Appendix I. Historic occurrence descriptions were derived by using a combination of MetalCORP observations, MNDM assessment files, and OGS reports (Harris 1974, Poulsen 2000). Many of the historic and recently discovered occurrences seem to cluster within diffuse, laterally extensive, variably mineralized zones, particularly when associated with the basal contact of the Grassy Portage Intrusion.

### 8.1 Historic Occurrence/Zone Descriptions

**Beaver Pond Cu Zone:** The Beaver Pond Zone is located ~150 m southeast of Grassy Portage Bay of Rainy Lake, approximately 2850 m west of Highway 11. This Cu-rich zone is poorly exposed at surface, but below surface consists of 3, discontinuous, en echelon masses of disseminated to net-textured chalcopyrite, with subordinate pyrrhotite and localized disseminated molybdenite, within variably altered leucogabbro (grey ore), gabbro, coarsely plagiophyric to glomeroplagiophyric gabbro, and melagabbro (black ore) near the basal contact of the Grassy Portage Intrusion. The *grey ores* often contain >3% Cu and consist of bleached anorthosite and leucogabbro rich in chalcopyrite. The alteration consists of clinozoisite (epidote), minor sericite and scapolite, and associated pale green apatite and coarse, equant, ilmenite rimmed or replaced



by biotite. The *black ores* usually contain less chalcopyrite (<1% Cu) within equigranular to porphyritic, variably chloritized gabbro and melagabbro. Molybdenite occurs as intergrowths with chalcopyrite and pyrrhotite or as discrete grains within grey patches of hydrothermally altered gabbro. Grades within the zone vary from <1% to >3% Cu over variable widths over a strike length of ~400 m. Underground drifting (53 m level) on the Beaver Pond Zone during 1971 and 1972 exposed 2 zones that *averaged in excess of 3.00% Cu*. Tonnage and grade calculations, completed by Bergman (1973), include *1,020,458 tons grading 1.17% Cu* over a 400 m strike length and *265,230 tons grading 2.08% Cu* over a 300 m strike length. Both tonnage estimates are good to a depth of only 91 m. Three surface grab samples taken from the poorly exposed zone in 2005 contained up to *0.576% Cu, 0.138% Ni, 0.435 ppm Pd, and 0.265 ppm Pt*. A single grab sample taken from a surface stockpile from a 1973 underground bulk sample that was never processed, contained *6.78% Cu, 0.106% Ni, 381 ppm Co, 7.3 ppm Ag, 0.120 gpt Au, and 5.15 ppm Pt*.

**B-1 (Bjorkman) Zone:** The B-1, or Bjorkman, Zone occurs adjacent to the basal contact of the Grassy Portage Intrusion ~175 m northeast of the Main South Zone and ~350 m southwest of the East Zone. The zone may be separated from the East Zone by a north-northeast-trending fault. It occurs within variably altered, fine- to medium-grained, locally coarse-grained, dark grey to green melagabbro and green pyroxenite containing between 1 and 10%, disseminated to blebby chalcopyrite and pyrrhotite. MTC 2005 grab sampling obtained up to *1.17% Cu, 0.167% Ni, 312 ppm Co, 3.6 ppm Ag, 0.258 ppm Au, and 0.493 ppm Pd*.

**East Zone:** The East Zone is located ~875 m to the northeast of the Main South Zone and, as exposed on surface, is ~500 m in length and 40 to 60 m in width. It is adjacent to the basal contact of the Grassy Portage Intrusion within spotted, variably altered, plagioclase-megacrystic to glomeroplagic gabbro, leucogabbro, and melagabbro with a fine- to coarse-grained groundmass containing 1 to 5% disseminated chalcopyrite, pyrrhotite, and molybdenite. Two historic drill holes have tested the zone with one intersecting *0.233% Cu/70.0 m, including 0.425% Cu and 0.044% MoS<sub>2</sub>/20.0 m*. MTC 2005 samples obtained up to *2.64% Cu, 3290 ppm Ni, 4.30 ppm Ag, 0.580 ppm Pd, 0.813 ppm Pt, 0.579 ppm Au, 434 ppm Co, and 74 ppm Mo*.

**L114E Occurrence:** This isolated occurrence is located 475 m south of the Pond Zone and 400 m southeast of the T-9 Occurrence and consists of rusty, medium-grained gabbro containing 5% disseminated chalcopyrite and pyrrhotite. The only sample taken to date was during the 2003 MTC prospecting program and graded *4834 ppm Cu, 122 ppb Au, 452 ppb Pt, and 951 ppb Pd*.

**Main South Zone:** The Main South Zone is located 150 m northeast of the Beaver Pond Zone, near the basal contact of the Grassy Portage Intrusion, and consists of altered, anorthosite to leucogabbro (grey ore?) containing coarsely disseminated to net-textured chalcopyrite and pyrrhotite; a spotted gabbro containing large, clinozoisite-altered plagioclase megacrysts, glomeroporphyritic aggregates, and coarsely disseminated chalcopyrite; and a coarse melagabbro (black ore) containing lower amounts of disseminated chalcopyrite and pyrrhotite. Historically the zone was determined by drilling to be at least 125 m in length and exhibited highly variable grades ranging from <1% to >4.5% Cu/2.0 to 20.0 m. No tonnage calculations were ever undertaken on the zone. Three MTC 2004 surface grab samples taken from the northeastern edge of the zone obtained up to *4.34% Cu, 9.5 ppm Ag, and 0.353 ppm Au*. MTC 2005 surface grab samples extended the strike length of the zone to ~350 m, with widths of up to 40 m, and obtained up to *4180 ppm Cu, 1640 ppm Ni, 0.269 ppm Pd, 0.104 ppm Pt, and 208 ppm Co*.

**Moosehorn Occurrence:** This occurrence is located within the northwestern portion of the North Rock Property ~1425 m north-northwest of the Sims Station Occurrence and 130 m north of Highway 11. A single drill hole, completed in the late 1960's, intersected **0.55% Zn/2.70 m** within black shale containing some sphalerite, pyrite, and pyrrhotite.

**Pond Zone:** The Pond Zone was discovered during 2004 MTC prospecting, presently exhibits a 115 m strike-length, and is located 40 to 50 m south of a small lake/large pond, ~500 m southeast of the East Zone. It occurs within a rusty-weathered, malachite-stained, medium- to coarse-grained, often plagiophytic gabbro containing between 2 and 15% disseminated pyrrhotite and chalcopyrite. The mineralization within 2 of the samples taken occurs between 2.5 and 7 m northwest of the northwestern edge of a 15 to 25 m thick pyroxenite dyke. The third sample is located 20 m southeast of the southeastern contact of the dyke. Two MTC 2004 grab samples contained up to **1.02% Cu, 4.5 ppm Ag, and 333 ppb Au**. A single 2005 prospecting sample contained **7780 ppm Cu, 5.1 ppm Ag, and 222 ppb Au**.

**Powerline 1 Zone:** The Powerline 1 Zone was first sampled by MTC prospectors in 2003, with adjacent outcrops sampled in 2005, and presently exhibits a strike length of 40 m. The mineralized zone is located ~420 m northeast of the East Zone within the recently recognized basal ultramafic zone of the Grassy Portage Intrusion. Mineralization is hosted within fine- to medium-grained, locally coarse-grained, greenish-grey, rusty-weathering, ultramafic intrusive rocks, possibly pyroxenite, that contain 1 to 2% disseminated chalcopyrite and pyrrhotite. Sampling to date has obtained up to **3300 ppm Cu, 318 ppb Pd, 213 ppb Pt, and 87 ppb Au** from 4 surface grab samples.

**Powerline 2 Zone:** The Powerline 2 Zone was discovered by MTC prospecting during 2003 and is located ~280 m west-northwest of the Powerline 1 Zone. The noted mineralization has an ~80 m strike-length, occurs within very fine- to fine-grained, greyish to greyish-green, mafic (possibly ultramafic?) metavolcanic rocks, and contains between 1 and 10% disseminated to blebby, possibly finely stringered chalcopyrite and pyrrhotite. The 2 surface grab samples taken in 2003 contained up to **9130 ppm Cu** but contained only slightly anomalous amounts of Ni, PGE's, or Au. Three samples taken during the 2005 prospecting program obtained up to **1.66% Cu**. The 2005 samples contained higher than expected Cr and may be, in-part, borderline ultramafic rocks.

**Powerline 3 Occurrence:** The 3rd in a series of closely-spaced, apparently subparallel Cu±PGE occurrences stung out along the powerline right-of-way is located 140 m east-southeast of the Powerline 1 Occurrence and ~515 m northeast, along strike from the East Zone. It was discovered by MTC prospecting in 2003, occurs within the basal portions of the Grassy Portage Intrusion, and may be an extension of the East Zone. The single sample taken from the site consisted of coarse-grained gabbro containing an undisclosed amount of coarse blebby chalcopyrite and graded **3633 ppm Cu, 91 ppb Au, and 98 ppb Pd**.

**Powerline 4 Zone:** This zone is located 75 m east-southeast of the Powerline 2 Occurrence and has been traced for ~35 m along strike to the northeast, within a single large outcrop. It was discovered by MTC prospecting in 2003 and consists of fine-grained, greenish-grey, locally pillowed mafic metavolcanic flows containing between 1 and 10% disseminated chalcopyrite and pyrrhotite. The single 2003 surface grab sample contained **6131 ppm Cu and 271 ppb Au**. The 4 samples taken in 2005 contained up to **1.34% Cu, 358 ppb Au, and 1.8 ppm Ag**.

**Sims Station Occurrence:** The Sims Station Occurrence is located near the westernmost end of a narrow

peninsula jutting out into Grassy Portage Bay to form the Grassy Portage Bay Narrows, ~1850 m west-southwest of Nickel Lake. It consists of several historic trenches that expose an 80 to 120 m thick sequence of well-mineralized, bedded clastic and chemical metasedimentary rocks, flanked by gabbro, that contain up to 90% massive pyrite, bands of magnetite, and variable amounts of chalcopyrite. This metasedimentary package also hosts the Nickel Lake prospect located ~3100 m to the east-northeast. A massive sulphide sample taken from the Sims Station Occurrence by the ODM (Harris 1974) contained **0.33% Cu** and one drill intersection from beneath the trenches contained **0.60% Cu/5.0 ft (1.52 m)**. MTC grab sampling of several of the old trenches during autumn 2005 obtained up to **1.68% Cu, 471 ppm Co, and 2.5 ppm Ag** from strongly weathered, well-mineralized, banded iron formation and sericite schist containing from 15% to semi-massive pyrite and some chalcopyrite.

**Sims South Occurrence:** The Sims South Occurrence occurs within a 50 to 100 m thick package of clastic and chemical metasedimentary rocks that are similar to those hosting the Sims Station Occurrence, but form a subparallel band approximately 200 m to the south. The Sims South Occurrence consists of a single Noranda drill hole completed in 1958. It was collared 370 m southwest of the Sims Station Occurrence and intersected **0.20% Cu/7.0 m**. This occurrence was has not yet been investigated by MTC field crews.

**Smith's Point and Smith's Point South Occurrences:** The Smith's Point Occurrence occurs within the same clastic and chemical metasedimentary unit that hosts the Sims South Occurrence, located ~975 m to the east. A sample of sulphide-facies iron formation, taken by the ODM (Harris 1974) from a 30 m trench excavated on the occurrence by Noranda in 1969, contained **0.30% Cu**. A single Noranda hole drilled in 1970, approximately 60 m south of the Smith's Point trench, tested another sulphide iron formation within the same metasedimentary package and intersected 2 zones grading **0.22% Cu/7.0 m and 0.22%/13.0 m**, respectively. This occurrence was has not yet been investigated by MTC field crews.

**T-9 North Occurrence:** This isolated occurrence, located 440 m east of the Pond North Occurrence, near the eastern boundary of the North Rock Property, presently consists of a single sample taken in 2003 and described as a mafic, non-magnetic rock (possibly a float boulder) containing 1% blebby pyrite with fine pods (blebs?) of chalcopyrite. The sample contained **2943 ppm Cu, 1129 ppm Ni, and 247 ppb Pd**.

**Traverse Inlet Occurrence:** The Traverse Inlet Occurrence is located 1575 m east-southeast of the Beaver Pond Zone and 800 m north-northwest of Traverse Inlet, Rainy Lake, near the southern (upper) contact of the Grassy Portage Intrusion. On surface the rocks overlying the occurrence are the fine-grained, ophitic-textured melagabbro that comprises the discontinuous, upper, non-cumulate border phase of the intrusion. One of two diamond drill holes completed by M. Hupchuk and G. Armstrong in 1968 intersected 30 ft (9.1 m) containing up to 10% disseminated pyrrhotite, chalcopyrite, and sphalerite, within an undisclosed rock-type, that graded **2.53% Zn and 0.11% Cu/10 ft (3.05 m)** (Harris 1974). A 28 ft (8.53 m) interval within the second hole (drilled at 180° to the first) contained some pyrrhotite, chalcopyrite, and sphalerite, but no assays are available. Poulsen (2000) notes that sphalerite veins up to 10 cm thick were present within quartz diorite and was probably related to assimilated metavolcanic xenoliths. This occurrence is not exposed at surface and the drill core is not available for examination.

## 8.2 2005 Occurrence/Zone Descriptions

**B-1 Footwall Zone:** This zone is located ~65 m north of the B-1 Zone, 165 m southwest of the B-1 Footwall Zone, and consists of 1 to 10% disseminated chalcopyrite within fine-grained, pillowed mafic metavolcanic flows. Analytical results obtained from one MTC 2005 grab sample graded **1.50% Cu, 7.8 ppm Ag, 1150 ppb Pd, 490 ppb Pt, 323 ppb Au, and 115 ppm As.**

**B-1 Footwall West Zone:** This zone is located ~90 m north of the B-1 Zone and consists of 1 to 5% disseminated chalcopyrite within either chilled pyroxenite at the base of the Grassy Portage Intrusion or very fine-grained, ultramafic metavolcanic flows. The one MTC 2005 grab sample taken contained **1.50% Cu, 7.8 ppm Ag, 1150 ppb Pd, 490 ppb Pt, 323 ppb Au, and 115 ppm As.** This occurrence is located apparently along strike to the southwest of the B-1 Footwall Zone, but is not considered part of that zone due to the possibility that it is contained within the intermittently exposed, basal pyroxenite unit of the Grassy Portage Intrusion.

**East Footwall Zone:** The East Footwall Zone is located north and northwest of the East Zone within the footwall volcanic sequence and forms a 450 to 500 m long, 100-175 m wide, diffuse zone of disseminated and stringered chalcopyrite and pyrrhotite mineralization that roughly subparallels the basal contact of the Grassy Portage Intrusion. The mineralization was initially sampled during 2003 MTC prospecting with assays of up to **6516 ppm Cu and 72 ppb Au** within fine-grained, altered mafic, possibly locally ultramafic metavolcanic rocks. Most of the samples defining the zone were taken during 2005 from metavolcanic rocks that usually contained Cu with some anomalous Au and Ag. Assays of these samples obtained up to **2.64% Cu, 172 ppb Au, and 4.3 ppm Ag.** Two of the 2005 samples, however, consisted of fine- to medium-grained gabbro to melagabbro containing 1 to 2% disseminated chalcopyrite, pyrrhotite, and up to **7990 ppm Cu, 3290 ppm Ni, 434 ppm Co, 5040 ppm As, 579 ppb Au, and 630 ppb Pd.** These 2 samples are 200 m apart, apparently along strike from each other, may have been taken from the same gabbroic sill or dyke, and may constitute a separate mineralized zone, with distinct lithological and mineralization characteristics, that is flanked by the East Footwall Zone..

The Powerline 2, 2NE, 4, 4SW, 5, and 5SW zones/occurrences (*see* detailed descriptions below) are located along strike to the northeast and may comprise a northeastern extension of the East Footwall Zone mineralization. These zones/occurrences are hosted within mafic/ultramafic metavolcanic rocks, are usually enriched in Cu, contain strongly anomalous Au and sometimes Mo, are deficient in Ni, Pt, Pd, and often Ag, and form a 75 to 125 m thick, northeast-southwest trending zone that roughly subparallels the basal contact of the Grassy Portage Intrusion.

**Fault Occurrence:** The Fault Occurrence is located 1220 m southeast of the Main South Zone, 480 m northeast of the Traverse Inlet Prospect, and adjacent to an aeromagnetically-interpreted north-northwest-south-southeast-trending fault. It consists of fine- to medium-grained, rusty-weathered gabbro containing 1 to 2% disseminated chalcopyrite and pyrrhotite. The 2 MTC 2005 grab samples contained up to **6960 ppm Cu, 1.6 ppm Ag, and 138 ppb Au.**

**Grassy Portage West Occurrence:** The Grassy Portage West Occurrence is located along the southern shoreline of Grassy Portage Bay, a short distance west of a narrow northwest-south-east-trending inlet, and 700 m southwest of the Beaver Pond Zone. The occurrence consists of rusty-weathering, fine- to very coarse-grained, varitextured gabbro containing 1 to 5% disseminated pyrrhotite and chalcopyrite grading up to **2.26% Cu, 9.7 ppm Ag, 305 ppb Au, 519 ppb Pd, 243 ppb Pt, and 126 ppm As.** It is possible that this occurrence is an along strike extension of the Beaver Pond Zone.

**Junction Occurrence:** This occurrence is located 230 m southeast of the Traverse Inlet Occurrence, 20 to 30 m southeast of the southern (upper) contact of the Grassy Portage Intrusion, and at the junction between a logging access road and the Beaver Pond Zone shaft road. It consists of 1% finely disseminated pyrrhotite and chalcopyrite within a foliated, fine-grained, rusty-weathering, mafic metavolcanic hornfels. The one grab sample taken during the 2005 MTC prospecting program contained **3040 ppm Cu, 1.3 ppm Ag, and 152 ppm Co.**

**L95E Occurrence:** The L95E Occurrence is located 220 m west-southwest of the L97E Occurrence and consists of 2% disseminated pyrite, with minor chalcopyrite, within fine-grained, light grey gabbro. The only sample taken contained **307 ppm Co and 1470 ppm Cu.**

**L97E Occurrence:** The L97E Occurrence is located 420 m southwest of the Traverse Inlet Occurrence. Mineralization consists of 3 to 5% disseminated pyrrhotite and chalcopyrite within a very rusty-weathering, fine-grained, grey gabbro to melagabbro crosscut by a 0.5 to 1 cm quartz-pyrite veinlet. The one sample taken during 2005 contained **4000 ppm Cu.**

**L115E Occurrence:** This occurrence is located 510 m south-southeast of the L117E South Occurrence, described below, within a 40 m thick inclusion of mafic metavolcanic hornfels. This inclusion of country rock may be up to 200 m in length and is located approximately 30 m northwest of the southern (upper) contact of the Grassy Portage Intrusion. The observed mineralization consists of 5 to 10% disseminated pyrrhotite which assayed **649 ppm Co, 252 ppb Au, and >1% As.** No anomalous Cu, Ni, or precious metals were detected.

**L117E South Occurrence:** This isolated occurrence is located 450 m southeast of the L114E Occurrence, 230 m south-southeast of the L117E Occurrence (Cousineau Property), and 920 m west-southwest of the Mironsky Zone (Cousineau Property). Mineralization within the single sample taken consists of 2% disseminated chalcopyrite and pyrrhotite within coarse-grained gabbro to melagabbro that contains **3720 ppm Cu and 1.6 ppm Ag.**

**Lakeshore Occurrence:** The Lakeshore Occurrence is located 250 m northwest of the Main South Zone on the southern shoreline of Grassy Portage Bay. The occurrence is described as consisting of fine-grained, dark green pyroxenite, however, the grain size and the strongly elevated Cr and Ni contents (of 1400 ppm and 1235 ppm, respectively) suggest that the rock may be a komatiitic ultramafic metavolcanic rock. Mineralization consists of 1% disseminated to locally blebby pyrrhotite and chalcopyrite that contains **1710 ppm Cu, 297 ppm Co, 366 ppb Pd, 66 ppb Au, and 635 ppm As.**

**Lakeshore West Occurrence:** This occurrence is located on the southern shoreline of Grassy Portage Bay ~200 m southwest of the Lakeshore Occurrence, 285 m northwest of the Main South Zone, and 350 m northeast of the Beaver Pond Zone. Mineralization consists of <12% pyrrhotite, with trace chalcopyrite, within a very fine-grained, dark grey, moderately magnetic, komatiitic ultramafic metavolcanic rock. The 1 sample taken during the 2005 prospecting program contained **2550 ppm Ni** and no other anomalous base or precious metals.

**Martin-Pinksen 1, 2, and 3 Occurrences:** These 3 closely-spaced occurrences are located along the southern shoreline of Grassy Portage Bay, ~2220 m southwest of the North Shore Occurrence. They may comprise parts of the same mineralized zone and exhibit a strike length of ~170 m. Occurrences 1 and 2 consist of rusty, fine- to medium-grained, biotitic gabbro to melagabbro containing up to 5% disseminated to blebby chalcopyrite with some pyrrhotite or pyrite. Three of

the 5 samples taken from Occurrence 1 (341050, 341051, and 341053) contained greater than 1% Cu and graded: **1.81% Cu, 217 ppm Co, 4.7 ppm Ag, and 473 ppb Au; 3.27% Cu, 197 ppm Co, 8.6 ppm Ag, and 1660 ppb Au; and 2.89% Cu, 603 ppm Co, 8.8 ppm Ag, 1150 ppb Au, and 1125 ppm As**, respectively. One sample was taken from Occurrence 2, ~103 m west-southwest of the Occurrence 1, and contained **5150 ppm Cu, 1.8 ppm Ag, and 83 ppb Au**. The Occurrence 3, ~66 m east-northeast of Occurrence 1, consists of a rusty, medium- to coarse-grained leucogabbro containing 3 to 5% pyrite and some chalcopyrite that graded **4140 ppm Cu, 184 ppm Co, and 1.3 ppm Ag**.

**Martin-Pinksen West Occurrence:** The Martin-Pinksen West Occurrence is located ~630 m west-southwest of the Martin-Pinksen 2 Occurrence along the southern shoreline of Grassy Portage Bay. It consists of rusty, fine- to medium-grained gabbro containing 20 to 30% disseminated to blebby pyrite and chalcopyrite, with some minor associated quartz-flooding. The one 2005 sample taken from the site contained **4430 ppm Cu, 4.7 ppm Ag, and 46 ppb Au**.

**North Shore Occurrence:** The North Shore Occurrence is located along the northern shoreline of Grassy Portage Bay ~1400 m west-southwest of the Grassy Portage West Occurrence. It consists of rusty, cherty, variably sulphidized, oxide-facies iron formation containing up to 30% disseminated, stringered to banded pyrite and minor chalcopyrite. Three samples 2005 MTC prospecting samples contained up to **2460 ppm Cu, 1.3 ppm Ag, 712 ppm Ni, and 882 ppm Co**.

**Pond North Occurrence:** The Pond North Occurrence is located on the northwestern shoreline of a small lake, 195 m south-southwest of the main occurrence of the T-1 Footwall Zone. It consists of 1 to 7% disseminated chalcopyrite and pyrrhotite within a rusty, medium-grained gabbro that contains **8670 ppm Cu and 2.5 ppm Ag**. This occurrence may comprise the southernmost edge of the East Zone, located a short distance to the north; however, it does not contain any anomalous Ni, Co, Au, Pt, Pd, or Mo, which are often quite abundant within the East Zone.

**Powerline 5 Occurrence:** The Powerline 5 Zone was discovered during the 2005 prospecting program and is located 50 m southeast of the Powerline 4 Zone and 150 m west of the Powerline 3 Zone. It consists of fine-grained, greenish-grey, rusty-weathering, mafic metavolcanic rocks occurring near the pyroxenitic basal contact of the Grassy Portage Intrusion. Mineralization consists of 1 to 2%, locally 10-15%, disseminated and fracture-controlled chalcopyrite and pyrrhotite. One of 2 surface grab samples contained **1595 ppm Cu and 5080 ppm Mo**. The second sample was taken 9 m along strike to the northeast and contained **1.11% Cu, 527 ppb Au, and 2.2 ppm Ag**.

**Powerline 3 NE Occurrence:** This isolated occurrence is located 175 m north-northeast of the Powerline 3 Occurrence and occupies a similar stratigraphic level of the Grassy Portage Intrusion. It was discovered by MTC 2005 prospecting and even though it is closer to the basal contact (~20 m) it may represent an along-strike extension of the zone observed at the Powerline 5 Occurrence. The single sample taken from the site consisted of fine-grained gabbro containing trace disseminated chalcopyrite that graded **2820 ppm Cu, 53 ppb Au, 81 ppb Pd, and 54 ppb Pt**.

**Powerline 4SW Occurrence:** This poorly exposed occurrence, located 195 m along strike to the southwest from the Powerline 4 Zone and 115 m northeast of the East Footwall Zone, consists of fine-grained mafic metavolcanic rocks containing trace finely disseminated pyrrhotite, chalcopyrite, and pyrite. The single sample taken during 2005 contained **2580 ppm Ni, 140 ppb Au, 190 ppm Co, and 1095 ppm As**, but little Cu.



**Powerline 5SW Occurrence:** This occurrence is located 100 m southwest of the Powerline 4 Occurrence, 125 m east-southeast of the Powerline 4SW Occurrence, and consists of 1 to 4% disseminated chalcopyrite within very fine-grained, malachite-stained, mafic metavolcanic rocks. The one sample taken contained **3030 ppm Cu, 64 ppb Au, and 1.5 ppm Ag.**

**T-1 Footwall Zone:** The main occurrence of the T-1 Footwall Zone is located 120 m south-southeast of the Powerline 5SW Occurrence. The zone can be intermittently traced for at least 375 m to the southwest and may include the Powerline 1 Zone located 280 m to the northeast. The zone was discovered during 2005 prospecting and consists of a fine- to medium-grained, greyish, pyroxenite (?) that often comprises the basal portion of the Grassy Portage Intrusion. The variably malachite-stained pyroxenite unit is quite variable in thickness, is host to 1 to 2% , locally 10 to 15%, disseminated chalcopyrite and some pyrrhotite, and can contain up **2.43% Cu, 9.5 ppm Ag, 245 ppb Au, 555 ppb Pt, and 143 ppb Pd.**

**T-7 East Occurrence:** This isolated occurrence is located 550 m east-northeast of the Fault Occurrence and consists of 5 to 10% disseminated pyrrhotite and minor chalcopyrite within rusty, dark green, medium-grained melagabbro. The single 2005 sample taken graded **2990 ppm Cu, 1.5 ppm Ag, and 52 ppb Au.**

**T-7 South Occurrence:** The T-7 South Occurrence is located 100 m southeast of the Traverse Inlet Occurrence and is directly adjacent to the Beaver Pond Zone shaft access road. It consists of 1% finely disseminated chalcopyrite and minor pyrrhotite within fine-grained, greyish-green, locally rusty gabbro to melagabbro containing **4400 ppm Cu.**

**T-8 Occurrence:** The isolated T-8 Occurrence is located 1015 m southwest of the L95E Occurrence within fine- to medium-grained gabbro containing 2% disseminated chalcopyrite and some pyrrhotite. The single 2005 prospecting sample taken contained **1.42% Cu, 293 ppm Co, 6.2 ppm Ag, 234 ppb Au, and 194 ppm As.**

**T-8 North Occurrence:** The T-8 North Occurrence is located 160 m north-northwest of the T-8 Occurrence and consists of rusty, fine- to medium-grained, greyish gabbro with 1 to 2% disseminated to blebby chalcopyrite and pyrrhotite. Several grab samples all contained strongly anomalous to low-grade Cu values with the highest-grade sample containing **3260 ppm Cu.**

**T-9 Occurrence:** This isolated occurrence is located near the contact between fine- to medium-grained gabbro and coarse-grained melagabbro, ~525 m southeast of the East Zone and 235 m southwest of the Pond Zone. It consists of coarse-grained, rusty, non-magnetic, dark grey to black melagabbro or pyroxenite containing 2 to 4% disseminated chalcopyrite and a narrow, massive chalcopyrite seam. Several northeast-trending, fine-grained, mafic dykes crosscut the outcrop and may define localized extension associated with a coincident, aero-magnetically-interpreted, northeast-southwest-trending fault. The single 2005 sample graded **1.26% Cu and 2.7 ppm Ag.**

**Traverse Inlet South Occurrence:** The Traverse Inlet South Occurrence is located 420 m southwest of the Traverse Inlet Occurrence and 70 m northwest of the southern (upper) contact of the Grassy Portage Intrusion. Mineralization consists of 1 to 2% disseminated pyrite and chalcopyrite within a very rusty-weathering, fine-grained, dark grey gabbro to melagabbro. The single sample taken during 2005 contained **4140 ppm Zn, 1300 ppm Cu, 120 ppm Co, and 71 ppb Au.**

**Table 2: Significant Analyses from the 2005 North Rock Property Sampling Program**

Sample Number	UTM Location		Occurrence Name	Cu	Ni	Co	Pt	Pd	Au	Ag	Mo	Zn	As
	Easting	Northing	Historic or New	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24792	495228	5394175	Beaver Pond Zone	5760	505	62	0.067	0.265	0.065	1.4	<1	63	6
24793	495236	5394176	Beaver Pond Zone	4590	1380	122	0.089	0.262	0.032	0.6	<1	91	<5
24814	496101	5394827	East Zone Footwall	6870	235	70	0.017	0.013	0.079	1.4	<1	79	<5
24831	495737	5394474	B-1 Footwall Zone West	4270	130	55	0.231	0.310	0.064	1.3	<1	176	6
24832	495870	5394573	B-1 Footwall Zone	15000	439	70	0.490	1.150	0.323	7.8	<1	99	115
24838	495529	5394778	Pond North Occurrence	8670	6	28	<0.001	0.001	0.030	2.5	1	36	6
24842	496527	5395087	Powerline 5 SW Occurrence	3030	84	43	0.029	0.010	0.064	1.5	<1	71	8
24853	496606	5393339	T-7 East Occurrence	2990	74	43	<0.001	<0.001	0.052	1.5	<1	182	10
24884	496714	5394355	Pond Zone	7780	128	51	<0.001	0.008	0.222	5.1	11	47	<5
24887	496507	5395194	Powerline 2 Zone	16600	206	78	0.003	0.002	0.040	1.5	<1	107	<5
340701	496108	5392603	Junction Occurrence	3040	122	152	0.001	0.006	0.028	1.3	<1	133	<5
340725	495613	5392462	L97E Occurrence	4000	146	78	0.001	0.007	0.002	<0.5	1	41	<5
340728	495817	5392343	Traverse Inlet South Occurrence	1300	202	120	0.003	0.034	0.071	<0.5	1	4140	7
340736	496463	5394832	East Zone	7990	1045	57	0.240	0.580	0.227	1.9	<1	97	51
340737	496463	5394827	East Zone	4620	1170	102	0.267	0.481	0.056	0.8	1	70	13
340751	496139	5394667	East Zone	338	346	62	0.030	0.844	0.005	<0.5	<1	49	<5
340755	496174	5394737	East Zone	292	256	46	0.128	0.348	0.004	<0.5	2	68	<5
340756	496334	5394802	East Zone	3290	224	58	0.064	0.104	0.031	0.6	3	61	<5
340768	496018	5392697	T-7 South Occurrence	4440	72	56	<0.001	0.011	0.029	0.7	1	95	<5
340769	494480	5392025	T-8 North Occurrence	3260	148	91	<0.001	0.001	0.033	<0.5	8	75	<5
340777	494534	5391877	T-8 Occurrence	14200	142	293	0.003	0.007	0.234	6.2	4	78	194
340784	495406	5392401	L95E Occurrence	1470	385	307	0.001	0.033	0.004	<0.5	1	31	6
340792	495862	5384485	B-1 Zone	8700	1670	312	0.012	0.162	0.063	0.8	<1	99	<5
340803	496395	5394820	East Zone	4430	2070	204	0.080	0.182	0.046	0.9	<1	83	<5
340804	496395	5394820	East Zone	5240	1800	190	0.155	0.222	0.038	0.9	<1	83	5
340837	496448	5395019	East Footwall Zone	6020	239	78	0.023	0.015	0.080	1.1	1	67	72
340838	496401	5395099	Powerline 4 SW Occurrence	487	2580	190	0.001	0.034	0.140	<0.5	1	52	1095
340841	495864	5394484	B-1 Zone	4380	332	82	0.029	0.493	0.044	0.7	25	105	5
340843	495707	5394381	B-1 Zone	11700	80	77	<0.001	0.004	0.258	3.6	<1	112	<5
340845	495426	5394512	Lakeshore Occurrence	1710	1235	297	0.007	0.366	0.068	<0.5	<1	69	635
340863	495544	5394320	Main South Zone	4180	1180	120	0.075	0.218	0.048	1.1	<1	124	<5
340873	495339	5394208	Main South Zone	3870	1440	114	0.051	0.128	0.031	0.5	<1	86	<5
340877	495273	5394179	Main South Zone	796	192	56	0.104	0.269	0.014	<0.5	<1	81	<5
340894	494415	5393744	Grassy Portage West Occurrence	3950	931	81	0.243	0.519	0.089	1.1	<1	109	30
340902	494934	5393966	Beaver Pond Zone	1435	379	60	0.102	0.435	0.032	<0.5	<1	77	<5
340906	494436	5393742	Grassy Portage West Occurrence	2490	430	64	0.116	0.233	0.072	0.8	<1	80	5
340907	494415	5393716	Grassy Portage West Occurrence	1525	372	52	0.160	0.254	0.080	0.5	<1	82	<5
340922	497231	5393257	L115E Occurrence	41	42	649	<0.001	0.007	0.252	<0.5	1	71	>10000
340929	496310	5395033	East Footwall Zone	4490	1585	434	0.008	0.130	0.154	0.8	1	86	835
340932	496593	5395184	Powerline 4 Zone	6990	39	61	0.002	0.002	0.354	<0.5	1	60	<5
340933	496594	5395185	Powerline 4 Zone	13000	200	95	0.002	0.001	0.176	0.8	7	75	<5
340935	496617	5395139	Powerline 5 Zone	1595	41	64	0.003	0.014	0.051	0.7	5080	53	<5
340938	496948	5395290	Powerline 3 NE Occurrence	2820	305	65	0.054	0.081	0.053	0.8	1	113	13
340950	497169	5393757	L117E South Occurrence	3720	88	57	0.001	0.001	0.021	1.8	10	289	<5
340966	496070	5393203	Fault Occurrence	6960	149	45	0.001	0.046	0.138	1.6	3	49	<5
340967	496070	5393203	Fault Occurrence	3770	410	77	0.002	0.024	0.059	0.7	<1	36	<5
340974	496151	5394907	East Footwall Zone	7990	3290	211	0.009	0.630	0.579	0.5	<1	52	5040
340976	496253	5394756	East Zone	698	305	67	0.813	0.053	0.005	<0.5	7	35	24
340982	496303	5395037	East Footwall Zone	26400	340	72	0.006	0.041	0.172	4.3	<1	97	<5
340983	496338	5395041	East Footwall Zone	4670	473	89	<0.001	0.002	0.069	0.9	1	124	32
340985	496489	5395179	Powerline #2 Zone	7580	555	131	0.001	0.009	0.409	<0.5	1	58	61
340986	496606	5395194	Powerline 4 Zone	9600	54	61	0.005	0.003	0.132	1.8	<1	38	9

Sample	UTM Location		Occurrence Name	Cu	Ni	Co	Pt	Pd	Au	Ag	Mo	Zn	As
Number	Eastings	Northing	Historic or New	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
340987	496579	5395176	Powerline 4 Zone	13400	103	65	0.007	0.009	0.358	1.1	27	55	<5
340988	496555	5394972	T-1 Footwall Zone	24300	337	101	0.555	0.098	0.245	9.5	<1	80	7
340990	496592	5395224	Powerline 2 Zone	2820	36	66	0.002	0.002	0.035	<0.5	<1	42	<5
340991	496621	5395147	Powerline 5 Zone	11100	29	49	0.003	0.004	0.527	2.2	48	39	12
340992	496747	5395122	Powerline 1 Zone	3300	262	84	0.213	0.050	0.087	0.9	3	85	7
341003	496545	5394255	T-9 Occurrence	12600	274	81	<0.001	0.007	0.076	2.7	3	69	6
341010	489353	5392338	Sims Station Occurrence	1420	26	471	0.005	0.002	0.022	<0.5	1	243	29
341011	489353	5392338	Sims Station Occurrence	16800	247	57	0.002	0.001	0.020	2.5	2	332	7
341012	489417	5392338	Sims Station Occurrence	5260	308	370	0.004	0.003	0.023	<0.5	1	83	<5
341013	489417	5392338	Sims Station Occurrence	5010	151	175	0.003	0.006	0.021	<0.5	2	298	10
341014	489417	5392338	Sims Station Occurrence	3220	233	55	0.001	0.001	0.009	<0.5	4	223	10
341034	494415	5393744	Grassy Portage West Occurrence	22600	314	115	0.019	0.091	0.305	9.7	<1	86	126
341038	493052	5393425	North Shore Occurrence	2460	712	882	0.025	0.078	0.037	1.3	7	52	16
341047	490401	5392158	Martin-Pinksen West Occurrence	4430	143	48	0.001	0.017	0.046	4.7	1	166	<5
341049	491013	5392299	Martin-Pinksen 2 Occurrence	5150	126	36	<0.001	0.029	0.083	1.8	1	86	<5
341050	491106	5392344	Martin-Pinksen 1 Occurrence	18100	446	217	0.004	0.054	0.473	4.7	1	120	198
341051	491106	5392344	Martin-Pinksen 1 Occurrence	32700	510	197	0.006	0.083	1.660	8.6	1	160	201
341052	491106	5392344	Martin-Pinksen 1 Occurrence	9540	624	201	0.021	0.003	0.196	2.6	<1	229	25
341053	491106	5392344	Martin-Pinksen 1 Occurrence	26900	523	603	0.005	0.236	1.150	8.8	<1	76	1125
341054	491106	5392344	Martin-Pinksen 1 Occurrence	3950	816	85	0.003	0.019	0.050	1.1	<1	74	<5
341056	491168	5392368	Martin-Pinksen 3 Occurrence	4140	143	184	0.030	0.002	0.022	1.3	<1	124	<5
341061	495253	5394414	Lakeshore West Occurrence	274	2550	148	0.004	0.007	0.002	<0.5	<1	51	<5

## 9.0 Deposit Models

The North Rock Property exhibits excellent potential to host hydrothermally modified Ni-Cu-dominant Cu-Ni-PGE massive sulphide deposits and/or PGE-dominant, low-sulphide, magmatic deposits.

Naldrett (1999) states that: 'Magmatic sulphide deposits form as the result of segregation and concentration of droplets of liquid sulphide from mafic or ultramafic magma, and the partitioning of chalcophile elements into these from the silicate melt. Sulphide saturation of a magma is not enough in itself to produce an ore deposit. The appropriate physical environment is required so that the liquid sulphide mixes with enough magma to become adequately enriched in chalcophile metals, and then is concentrated in a restricted locality so that the resulting concentration is of ore grade.' Naldrett (1989) and Naldrett et al. (1990) subdivided magmatic sulphide deposits into Ni-Cu dominant (sulphide-rich) and PGE-dominant (sulphide-poor) groups that occur within a variety of tectonic settings (*see below*).

**1. Synvolcanic** (largely Archean): Mafic-ultramafic bodies within this class consist of distinct komatiitic and tholeiitic (*picritic and anorthositic*) classes. The komatiitic class is characteristically volcanic, is subdivided into Type 1 (komatiite peridotite-hosted) and Type 2 (komatiite dunite-hosted) deposits (Leshner 1989), and includes the Kambalda deposits (Western Australia) and several Greenstone Belt deposits, including the high-grade Dundonald, Alexo, and Langmuir deposits. The tholeiitic class consists of *picritic* and *anorthositic subclasses* which include the Pechenga (Russia) deposits and the Montcalm (Ontario) deposit, respectively. The mineralization contained within the Grassy Portage Intrusion may fit into the anorthositic subclass of the tholeiitic class.

**2. Rifted Plate Margins:** Bodies associated with rifted plate margins occur within 2 sub-classes: those associated with *continental crust* and those associated with *ophiolites*. Members of the continental crust association include the Fox River Sill of the Circum-Superior Rift Zone, the

Thompson and Raglan Ni camps of the Circum-Ungava Belt, and the Penikat Intrusion of the Kemi-Koilismaa Belt. Ophiolites are not noted for their magmatic sulphide mineralization; however, one possible example is the Acoje Ni deposit in the Zimbales ophiolite, Philippines.

**3. Cratonic Areas:** Cratons can host *flood-basalt*-related intrusions, which include Noril'sk-Talnakh (Siberia), the Duluth Complex (Minnesota), and the Crystal Lake Gabbro (Ontario), or *large stratiform complexes* such as the Bushveld Complex (South Africa), the Stillwater Complex (Montana), the Lac des Iles Complex (Ontario), and the Great Dyke (Zimbabwe); and

**4. Orogenic:** Mafic-ultramafic bodies within this tectonic setting can be sub-divided into *synorogenic* and *late orogenic* subdivisions. The synorogenic variety includes the Moxie and Katahdin Intrusions (Maine) and the late orogenic variety includes the Alaskan-type intrusions of Alaska, British Columbia, and the Ural Mountains in Russia.

*Ni-Cu-dominant magmatic sulphide deposits* comprise large, rich concentrations of coarsely disseminated, net-textured, semi-massive to massive Ni-Cu sulphides that generally occur near or below the base of their host intrusions. These large, rich sulphide concentrations are not thought to be a normal consequence of magma emplacement, cooling, and crystallization. They appear to form as a consequence of a variety of types of crustal contamination, including the assimilation of crustal sulphur. These magmas require an external source of crustal sulphur before they can produce a massive sulphide deposit. Good examples of this group are the Noril'sk-Talnakh, Voiseys Bay, Eagle, Sudbury, Duluth Complex, and Kambalda deposits, all of which have identifiable sources of crustal sulphur. The Noril'sk-Talnakh, Voiseys Bay, and Eagle deposits are also examples of conduit-related deposits, which tend to be richer in metals than many other examples of this group.

*PGE-dominant magmatic sulphide deposits* comprise low concentrations of disseminated, PGE-rich, Cu-Ni sulphides (generally <3% total sulphides) and primarily occur as stratabound and non-stratabound types. The stratabound-, or *reef*-type is always associated with layered intrusions and is usually, but not always, associated with a mineralized rock layer exhibiting distinctive mineralogy or texture. The Merensky Reef of the Bushveld Complex and the J-M Reef of the Stillwater Complex are prime examples of reefs associated with distinctive rock units. The Main and Lower Sulphide zones of the Great Dyke, Zimbabwe, are reefs not associated with a specific mineralized rock layer and occur as discreet zones within a much more extensive bronzitite unit. Some deposits, such as the Lac des Iles and Marathon deposits, are discordant in nature and do not appear to be associated with any specific horizon, rock-type, or layering. An external crustal sulphur source is not required to produce these deposits.

Deposits of both groups are mafic magma-associated and require the following conditions to form economic concentrations (Naldrett and Scott 1992, Naldrett 1999):

1. Saturation and segregation of an immiscible sulphide liquid from the silicate melt;
2. Reaction of the sulphide liquid with a large volume of magma in order to concentrate the Cu, Ni, and PGE's; and
3. Settling and concentration of the Cu-Ni-PGE-enriched, immiscible sulphide liquid into a restricted volume, in large enough concentrations to form an economic deposit. Ni-Cu-dominant deposits generally form nearly massive deposits that concentrate within or near the basal regions of an intrusion (Duluth Complex) or magma conduit (Noril'sk-Talnakh, Voiseys Bay, Eagle). Ni-dominant deposits of the Kambalda-type tend to form massive to net-textured deposits near or just below the base of thick, channelized komatiitic flows. PGE dominant deposits generally form relatively low-sulphide, disseminated deposits that often concentrate near or within a particular stratigraphic horizon of an intrusion (Merensky Reef, Bushveld Complex; J-M Reef, Stillwater Complex; Main Sulphide Zone, Great Dyke).

The formation of a PGE-dominant deposit does not generally require the addition of external sulphur to the magma; however, the addition of considerable amounts of crustal sulphur is essential to the formation of Ni-Cu-dominant deposits.

The sequence described above is not part of the normal fractionation history of mafic magmas and the formation of a deposit requires some sort of trigger to initiate sulphide saturation after ascent of a magma through the crust. This trigger could constitute assimilation of crustal sulphides or silicates within the feeder system or the magma chamber; depressurization of the magma chamber, which lowers the solubility of sulphur within the magma; turbulent addition of primitive magma into a fractionating, more siliceous magma chamber which leads to turbulent convection, magma mixing, and sulphur saturation; or any combination of the three.

The complicating factor present within the North Rock area is that the observed mineralization has been affected/modified by 1 or more episodes of hydrothermal activity that resulted in considerable remobilisation, particularly of Cu and the PGE's, from an original massive deposit or deposits whose location is presently unknown/undiscovered.

## **10.0 Conclusions**

Detailed airborne EM follow-up and systematic prospecting of the North Rock Property has confirmed the presence of several historic Cu±Ni±Mo occurrences and has discovered 28 new occurrences. Most of the occurrences were Cu-dominant and contained >2500 ppm Cu with a variable mix of other elements that included Co, Ni, Pt, Pd, Au, and As. The most significant of these are the various Powerline Occurrences, the Martin Pinksen 1 Occurrence, and the B-1, T-1, and East Footwall zones, all of which are closely associated with the basal (northern) contact of the Grassy Portage Intrusion.

## **11.0 Recommendations**

The positive results of the 2005 detailed prospecting and AEM anomaly follow-up program show that the North Rock Property has excellent potential to host Cu- and precious metals-rich, disseminated and massive magmatic sulphide deposits. Continued exploration on the property should include the following ~\$915,000 program (*see Appendix III for a detailed budget*):

1. Stripping, channel sampling, and detailed mapping of occurrences and mineralized zones.
2. Extension of the existing North Rock Grid to the southwest to include the 4 Martin-Pinksen occurrences.
3. Detailed prospecting of the extended grid and all other remaining portions of the property.
4. Geological mapping, at 1:5000 scale, of the extended portions of the North Rock Grid.
6. A large-loop ground pulse EM survey (UTEM, or Crone PEM) to cover the basal contact of the Grassy Portage Intrusion and to search for massive sulphide zones.
7. A minimum of 4000 m of diamond drilling to test known occurrences/zones, ground geophysical anomalies, and airborne EM anomalies.

## 12.0 Certificate of Qualification

I, **Allan D. MacTavish**, of 548 McMaster St., Thunder Bay, Ontario, do hereby certify that:

1. I hold a *Bachelor of Science (Hons.) Degree in Geology (1977)* from Laurentian University, Sudbury, Ontario and a *Master of Science Degree in Geology (1992)* from Lakehead University, Thunder Bay, Ontario;
2. I am a Fellow of the Geological Association of Canada, a member of the Association of Professional Geoscientists of Ontario (P.Ge. Registration #0819), the Society of Economic Geologists, the Mineralogical Association of Canada, the Society for Geology Applied to Mineral Deposits, and the Canadian Institute of Mining and Metallurgy;
3. I have practiced my profession in Ontario, the Northwest Territories, and Manitoba since 1975 and have been employed directly by several large mining and exploration companies and the Ontario Geological Survey;
4. I am presently an independent consulting geologist based in Thunder Bay, Ontario and am contracted to MetalCorp Ltd. as Senior Geologist and Exploration Manager for the company;
5. I have supervised numerous projects similar to that represented by the Pickle Lake Project, am a 'Qualified Person' in the context of National Instrument 43-101, and have been contracted as such by MetalCorp Ltd. I consider this report to be accurate in all respects;
6. Permission is granted to MetalCorp Ltd. to use this report in a prospectus or other financial offering;
7. I have been granted 100,000 MetalCorp Ltd. share options exercisable between July 2004 and May 2006.

Dated April 30, 2006 at Thunder Bay, Ontario.



Allan D. MacTavish, M.Sc., P.Ge.





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**Appendix I**

**Prospecting Sample Descriptions, Locations, and Selected Analyses**

**MetalCorp Ltd.**

**2005**

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn		
	Eastings	Northing	Eastings	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
1	NRD05-01	495080	5394010																
					<b>Beaver Pond Zone Rock Dump:</b> Medium-grained, moderately altered gabbro; 25-35% disseminated, blebby & locally net-textured chalcocopyrite & pyrrhotite.	0.120	8.1800	0.040	7.3	<5	381	15	87800	14	1080	6.28	341		
2	24751	494443	5391741	83+16	33+25	Gabbro/Melagabbro, fine to med. Gr, blackish, tr. Py	0.002	<0.0005	<0.001	<0.5	<5	40	2	248	<1	92	0.34	93	
3	24752	494355	5391944	83+35	35+50	Micro Melagabbro, fine gr., rusty with 1-2% sulphides	0.005	0.0005	<0.001	<0.5	<5	59	7	574	4	83	0.22	445	
4	24753	494405	5391988	84+00	35+50	Gabbro/Melagabbro, med. Gr., rusty with 1% py	0.014	0.0005	<0.001	<0.5	<5	36	<1	374	<1	68	0.03	68	
5	24754	494513	5391776	84+00	33+75	Micro Melagabbro, fine gr., rusty with 1% sulphides, black	0.002	0.0005	0.028	<0.5	<5	29	3	127	<1	31	0.06	51	
6	24755	494573	5391848	84+90	33+37	Melagabbro, med. Gr., massive and rusty	0.001	<0.0005	0.002	<0.5	<5	59	11	102	5	35	0.21	63	
7	24756	494438	5392312	86+03	38+10	Typical Gabbro, massive, med gr., light rust	0.002	0.0011	0.001	<0.5	<5	14	12	355	<1	17	0.03	40	
8	24757	494540	5392120	85+97	36+09	Micro Melagabbro, fine gr., massive and rusty	0.002	<0.0005	0.002	<0.5	<5	49	54	6	267	<1	130	0.17	47
9	24758	494701	5391945	86+45	33+50	Mix of Gabbro and Melagabbro, med gr., moderately rusty	0.001	<0.0005	<0.001	<0.5	<5	31	53	14	118	<1	6	0.11	91
10	24759	494749	5391749	86+00	31+80	Ultramafic Flows (dyke?), rich in biotite, 1-2% py + Mo??	0.005	0.0005	0.001	<0.5	<5	18	71	1540	141	<1	145	0.01	114
11	24760	496909	5392899	110+00	31+30	T3. Micro melagabbro/mela gabbro, f. to m. gr., light foliation	0.001	<0.0005	<0.001	<0.5	<5	48	20	16	1	<1	<1	<0.01	54
12	24761	496927	5392888	110+00	31+15	T3 Massive mafic/UM volc. Flows, aphanitic, rusty on surface	0.001	<0.0005	<0.001	<0.5	<5	22	42	64	83	<1	38	0.02	158
13	24762	494742	5391982	87+15	33+55	Qz Diorite, med gr., mass., with 20% quartz grains	0.001	<0.0005	<0.001	<0.5	<5	17	44	17	10	<1	25	0.01	453
14	24763	494715	5392028	87+00	34+31	Qz Diorite, med gr., mass., with 1-2% cpy	0.009	<0.0005	0.012	<0.5	<5	52	38	5	383	1	62	0.03	80
15	24764	494601	5392222	87+00	36+50	Mela Gabbro, med. Gr., massive and rusty	0.001	<0.0005	0.005	<0.5	<5	12	47	14	99	<1	72	0.15	54
16	24765	494717	5392207	88+00	35+97	Micro mela gabbro, mass., v.f.g. very rusty	0.005	<0.0005	0.003	<0.5	<5	45	4	161	<1	49	0.04	63	
17	24766	495834	5392475	99+00	32+55	Foliated med gr. Gabbro, massive and rusty	0.006	<0.0005	<0.001	<0.5	<5	10	13	31	263	<1	10	0.15	63
18	24767	495819	5392478	98+95	32+70	Foliated med gr. Gabbro, massive and rusty	0.001	<0.0005	0.002	<0.5	<5	14	41	2	99	<1	51	0.01	203
19	24768	495415	5393215	99+00	41+00	Typical Gabbro, massive, med gr., light rust	0.002	0.0012	<0.001	<0.5	<5	16	22	13	134	<1	40	0.06	51
20	24769	495300	5393412	99+00	43+25	Mafic dyke (amphibolite), v.f.g., rich in hornblende	<0.001	0.0018	0.002	<0.5	<5	20	100	435	6	<1	1030	<0.01	129
21	24770	495900	5392550	100+00	32+75	Mix of fine grained flows with foliated med gr. gabbro	0.001	<0.0005	0.001	<0.5	<5	17	45	18	138	<1	58	0.01	102
22	24771	495284	5393217	98+00	41+78	Leuco Porphyritic gabbro, c. gr., with porph cumulus texture	<0.001	0.0007	0.002	<0.5	<5	8	25	28	112	<1	51	0.03	60
23	24772	495127	5393493	98+00	44+95	Mafic /UM flows, aphan., to v.f.g., mod. Sheared, very rusty	0.007	<0.0005	<0.001	0.5	14	43	45	740	1	78	0.32	124	
24	24773	494964	5393980	99+00	49+95	Coarse grained gabbro, typical texture	0.007	0.0031	0.001	<0.5	<5	6	46	24	84	<1	73	0.01	98
25	24774	495210	5393750	100+00	46+80	Medium to coarse grained gabbro, massive	0.001	0.0047	0.009	<0.5	<5	17	34	57	17	<1	48	0.01	55
26	24775	495670	5392370	97+00	32+50	Mela Gabbro, med. Gr., massive and well rusty	0.010	<0.0005	<0.001	<0.5	<5	44	3	821	3	28	0.13	61	
27	24776	495630	5392644	98+00	34+95	Micro Mela Gabbro (Amphibolite), Mss., f.g., rusty, tr cpy	0.002	<0.0005	0.001	<0.5	<5	35	12	126	<1	44	0.01	145	
28	24777	495675	5392502	97+80	33+25	Micro Mela Gabbro (Amphibolite), Mss., f.g., rusty, 1% py	0.002	<0.0005	0.006	<0.5	<5	8	52	4	468	<1	126	0.24	87
29	24778	494335	5392857	88+00	43+35	Massive coarse grained typical gabbro, rusty & silicified	0.003	0.0028	0.001	<0.5	<5	20	11	65	2	27	0.05	35	
30	24779	494233	5393051	88+00	45+50	Massive coarse grained typical gabbro, rusty & silicified	<0.001	<0.0005	<0.001	<0.5	<5	7	11	39	85	3	21	0.03	42
31	24780	494927	5392253	90+00	35+15	Micro Mela Gabbro, fine gr., massive and rusty	0.010	0.0008	0.007	<0.5	<5	89	11	1360	<1	159	1.41	68	
32	24781	494629	5392782	90+00	41+25	Coarse grained gabbro, typical texture, rusty	0.001	0.0012	<0.001	<0.5	<5	42	50	64	<1	101	0.05	61	
33	24782	494539	5392959	91+00	43+25	Coarse grained gabbro, typical texture, no alteration	0.001	0.0017	0.001	<0.5	<5	6	31	16	29	<1	77	0.01	50
34	24783	494336	5393312	90+00	47+25	Coarse grained gabbro, typical texture, very rusty, tr-1% py	0.001	0.0008	0.001	<0.5	<5	34	69	285	20	60	0.43	94	
35	24784	494651	5392922	91+10	42+30	Coarse grained gabbro, typical texture, rusty	0.001	0.0015	<0.001	<0.5	<5	36	5	196	<1	82	0.47	70	
36	24785	494736	5392785	91+00	40+70	Coarse grained gabbro, typical texture, very rusty, 1-2% py	0.008	0.0010	0.010	<0.5	<5	36	12	352	<1	122	0.09	75	
37	24786	495228	5392141	92+00	32+50	Micro mela gabbro, mass., v.f.g. very rusty, tr - 1% py	0.001	<0.0005	0.001	<0.5	<5	62	1	383	5	97	0.33	136	
38	24787	494883	5392665	92+00	38+75	Coarse grained gabbro, typical texture, rusty	0.002	0.0011	0.001	<0.5	<5	7	28	24	107	<1	52	0.03	68
39	24788	494670	5393037	92+00	43+25	Coarse grained gabbro, typical texture, rusty, tr py	0.003	0.0005	<0.001	<0.5	<5	18	16	108	<1	24	0.01	37	
40	24789	494531	5393280	91+90	46+00	Medium grained mela gabbro, massive, rusty with tr py	0.001	0.0005	0.001	<0.5	<5	78	847	76	<1	251	0.11	146	
41	24790	494439	5393493	92+00	48+25	Typical Gabbro, massive, med gr., light rust	0.001	0.0005	0.001	<0.5	<5	48	57	51	<1	64	0.01	92	
42	24791	494651	5393721	95+00	49+25	Coarse grained gabbro, typical texture, rusty, tr py	0.004	0.0154	0.018	<0.5	<5	18	9	162	<1	23	0.02	50	
43	24792	495226	5394175	102+20	50+05	<b>Beaver Pond Zone:</b> Typical Gabbro, massive, medium-grained, very rusty, 2-5% sulphides	0.065	0.0872	0.265	1.4	6	62	14	5760	<1	505	1.07	83	
44	24793	495236	5394176	102+25	50+10	<b>Beaver Pond Zone:</b> Typical Gabbro, massive, medium-grained, very rusty, 2-20% sulphides	0.032	0.0892	0.262	0.8	<5	122	22	4890	<1	1380	2.55	91	
45	24794	495960	5392887	102+10	38+50	Coarse grained gabbro, contact with mela-gabbro, rusty, tr py	0.002	0.0010	0.002	<0.5	<5	23	3	302	<1	40	0.03	43	
46	24795	495764	5393298	102+45	40+00	Coarse grained gabbro, typical texture, rusty, tr py	0.001	0.0012	<0.001	<0.5	<5	22	14	19	<1	37	<0.01	58	
47	24796	496011	5392982	103+00	36+00	Coarse grained gabbro, near contact with mela-gabbro, tr py	0.001	0.0007	0.001	<0.5	<5	7	38	21	98	<1	67	0.10	41
48	24797	495779	5393397	103+10	40+85	Coarse grained gabbro, typical texture, rusty, tr py	0.001	0.0015	<0.001	<0.5	<5	28	54	12	<1	41	<0.01	38	
49	24798	494517	5394242	105+00	49+50	Typical Gabbro, massive, med gr., light rust	0.001	<0.0005	<0.001	<0.5	<5	30	13	109	<1	27	0.02	53	
50	24799	495937	5393495	104+60	40+75	Coarse grained gabbro, typical texture, rusty, tr py	0.001	0.0010	<0.001	<0.5	<5	23	19	51	<1	38	0.01	63	
51	24800	495971	5393344	104+40	39+75	Coarse grained gabbro, typical texture, rusty, tr py	0.005	0.0019	0.003	<0.5	<5	29	325	167	<1	323	0.03	59	
52	24801	495619	5393263	101+00	40+45	Massive and coarse grained gabbro, porphyritic texture	<0.001	0.0010	<0.001	<0.5	<5	14	25	70	16	<1	43	0.01	41
53	24802	495524	5393420	101+00	42+25	Massive Mela Gabbro, black medium gr. tr py	0.014	0.0063	0.005	<0.5	<5	75	64	327	<1	178	0.06	67	
54	24803	494989	5394210	100+25	51+75	Ultramafic metavolcanics rich in biotite, tr py-1% py	0.001	0.0048	0.005	<0.5	<5	92	931	45	<1	1060	0.09	52	
55	24804	495917	5393320	104+00	39+50	Medium grained Leuco gabbro, grey colour	0.001	0.0011	0.006	<0.5	<5	12	31	12	69	<1	79	0.02	38
56	24805	495681	5393744	104+00															

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn	
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
63	24812	496122	5394598	112+00	49+50	Typical Gabbro, massive, med gr., light rust, tr py	0.002	0.0030	0.003	<0.5	<5	51	23	180	<1	51	0.13	77
64	24813	496138	5394749	113+00	50+75	Ultramafic volcanic flows, aphanitic, magnetic, very rusty	0.001	0.0019	0.002	<0.5	<5	44	53	46	<1	34	0.08	93
65	24814	496101	5394827	113+00	51+50	<b>East Footwall Zone:</b> Ultramafic flows, aphanitic, very rusty, 1-5% cpy+malachite	0.079	0.0172	0.013	1.4	<5	70	97	6870	<1	235	0.75	79
66	24815	496303	5394666	114+00	49+25	Typical Gabbro, massive, med-coarse gr., light rust, tr py	0.002	0.0033	0.003	<0.5	13	33	43	83	<1	44	0.02	49
67	24816	496288	5394697	114+25	49+75	Typical Gabbro, massive, med-coarse gr., light rust, tr py	0.001	0.0027	0.002	<0.5	12	56	36	84	2	93	0.02	72
68	24817	496243	5392767	104+00	33+00	Mela gabbro, med-coarse grained, black, 2-3% cpy	0.006	<0.0005	<0.001	<0.5	10	54	12	559	<1	70	0.15	87
69	24818	496289	5392880	104+90	33+75	Mela gabbro, med-coarse grained, black, tr cpy	0.001	0.0005	0.001	<0.5	<5	64	6	406	<1	146	0.22	171
70	24819	496262	5392961	105+00	34+50	Micro mela gabbro, fine grained, blackish, very rusty	0.001	<0.0005	0.001	0.5	19	72	4	148	<1	21	0.07	630
71	24820	496191	5393242	106+00	37+40	Mela gabbro, fine-med grained, black, 1-2% cpy	0.005	0.0010	0.002	<0.5	<5	35	11	277	<1	47	0.09	50
72	24821	496305	5393064	106+00	35+25	Micro mela gabbro, fine grained, blackish, very rusty	0.002	<0.0005	0.002	<0.5	<5	43	2	172	<1	65	0.05	162
73	24822	496353	5392966	106+00	34+25	Mela gabbro, med-coarse grained, black, 1-2% cpy	0.001	<0.0005	0.002	<0.5	9	85	<1	368	<1	134	0.37	187
74	24823	496364	5393120	106+75	35+50	Mela gabbro, medium grained, black, 1-2% cpy	0.002	<0.0005	<0.001	<0.5	<5	53	20	188	1	52	0.09	146
75	24824	496227	5393613	108+00	40+50	Typical Gabbro, massive, med-coarse grained, light rust	0.001	0.0011	0.001	<0.5	5	26	8	20	1	56	0.01	53
76	24825	496230	5393798	109+10	42+00	Typical Gabbro, massive, med-coarse grained, light rust	<0.001	0.0030	<0.001	<0.5	5	35	25	11	<1	75	<0.01	48
77	24826	496428	5393241	107+95	36+10	Mela gabbro, medium grained, black, 1-3% cpy	0.031	<0.0005	<0.001	1.1	5	77	3	1070	<1	108	0.12	298
78	24827	496419	5393202	107+80	35+90	Micro mela gabbro, mass., v.f.g., very rusty, 1-2% py	0.018	<0.0005	0.001	0.8	<5	63	8	1410	<1	86	0.72	108
79	24828	495887	5394207	108+05	47+30	Typical Gabbro, mass, med-coarse grained, tr cpy+malachite	0.018	0.0053	0.004	<0.5	8	47	52	727	<1	78	0.03	81
80	24829	495803	5394513	108+95	50+50	Pillowed mafic mela volc, massive & aphanitic, 1-4% cpy-po	0.007	0.0281	0.037	<0.5	<5	58	41	682	<1	176	0.09	126
81	24831	495737	5394474	108+10	50+30	<b>B-1 Footwall Zone:</b> Ultramafic flows, aphanitic, very rusty, 1-5% cpy+malachite	0.064	0.2310	0.310	1.3	6	55	40	4270	<1	130	0.51	176
82	24832	495870	5394573	109+90	50+50	<b>B-1 Footwall Zone:</b> Pillowed mafic metavolcanic, massive & aphanitic, 1-10% cpy	0.323	0.4900	1.150	7.8	115	70	42	15000	<1	439	1.72	99
83	24833	496373	5394707	114+85	49+25	Typical Gabbro, massive, med-coarse grained, light rust	0.002	0.0051	0.009	<0.5	<5	38	35	132	<1	34	0.03	49
84	24834	496402	5394676	115+00	48+75	Typical Gabbro, massive, med grained, up to 10% py on fract.	0.008	0.0028	0.007	<0.5	<5	63	77	329	<1	78	0.18	99
85	24835	496223	5394990	114+90	52+00	Mafic metavolcanics, massive, aphan. & magnetic, tr py-cpy	0.108	0.0048	0.005	<0.5	5	19	253	1458	1	44	0.17	56
86	24836	496232	5395008	115+00	52+35	Mafic metavolcanics, massive, aphan. & magnetic, 1-2% po	0.008	<0.0005	0.001	<0.5	18	188	59	1725	13	904	2.03	61
87	24837	496322	5395030	116+00	52+30	Mafic metavolcanics, massive, aphan. & magnetic, 1-2% po	0.007	<0.0005	0.002	<0.5	41	85	100	276	<1	596	0.50	78
88	24838	496529	5394778	116+75	49+25	<b>Pond North Occurrence:</b> Typical Gabbro, massive, medium-grained, very rusty, 1-7% po	0.030	0.0005	0.001	2.5	6	28	58	8670	1	6	1.92	36
89	24839	496524	5394773	116+70	49+20	Typical Gabbro, mass, med-coarse grained, light rust, 1% po	0.001	0.0032	0.003	<0.5	<5	46	42	94	<1	44	0.08	59
90	24840	496463	5395004	117+05	51+25	Mafic metavolcanics, mass & aphanitic, malachite 1-5% cpy	0.332	0.0022	0.002	<0.5	<5	66	50	2020	1	39	0.14	87
91	24841	496468	5395173	117+60	52+50	Mafic metavolcanics, massive & aphanitic, 1-2% po	0.006	<0.0005	0.001	<0.5	18	134	78	615	2	683	0.83	96
92	24842	496527	5395087	118+00	51+75	<b>Powerline 5 SW Occurrence:</b> Mafic metavolcanic rocks, massive & aphanitic, malachite 1-4% cpy; located 110 m along strike to the southwest of main Powerline 3 Occurrence, probably part of the same mineralized zone.	0.064	0.0292	0.010	1.5	8	43	11	3030	<1	84	0.22	71
93	24844	495101	5392932	95+00	4+15	Coarse grained gabbro, leucocratic, typical texture, rusty	0.001	0.0010	<0.001	<0.5	5	23	26	46	<1	37	0.03	54
94	24845	496692	5392814	108+00	31+25	Mafic metavolcanics, mass & aphanitic, tr cpy	0.001	<0.0005	0.001	<0.5	<5	59	9	575	1	289	0.74	16
95	24846	496887	5392799	108+00	31+00	Typical Gabbro, weak foliation, med gr., weakly rusty, tr py	0.004	<0.0005	0.001	<0.5	<5	59	5	177	<1	77	0.06	51
96	24847	496925	5392819	110+20	30+15	Serpentinized U/M Volc., strongly schistose, in a rusty qz vn.	<0.001	<0.0005	<0.001	<0.5	<5	1	13	11	<1	5	0.01	21
97	24848	496878	5393033	110+80	32+25	Mela gabbro, med-coarse grained, black, tr cpy	0.001	<0.0005	<0.001	<0.5	14	59	25	126	1	53	0.07	94
98	24849	496934	5392941	110+90	31+15	Highly foliated mela gabbro, med grained, magnetic, tr po	0.002	<0.0005	<0.001	<0.5	5	24	7	86	1	18	0.21	147
99	24850	497027	5393017	112+00	31+25	Mafic metavolcanics, massive & aphanitic, tr po	0.001	<0.0005	<0.001	<0.5	<5	15	25	51	<1	18	0.08	154
100	24851	496753	5393094	110+00	33+25	Micro mela gabbro, fine grained, blackish, very rusty	0.002	<0.0005	<0.001	<0.5	<5	83	799	160	9	126	0.96	125
101	24852	496670	5393235	110+00	34+90	Mela gabbro, fine-medium grained, black, tr 2% cpy	0.001	<0.0005	<0.001	<0.5	<5	37	7	15	<1	27	0.06	179
102	24853	496606	5393339	110+00	36+15	<b>T-7 East Occurrence:</b> Mela gabbro, medium-grained, black, 5-10% cpy	0.052	<0.0005	<0.001	1.5	10	43	17	2990	<1	74	0.39	182
103	24854	496454	5393640	110+20	39+50	Coarse grained gabbro, typical texture, rusty, tr-1% po/mo	0.001	0.0009	<0.001	<0.5	13	18	8	39	<1	22	0.02	55
104	24855	496515	5393281	108+90	36+00	Mela gabbro, medium grained, black, very rusty	0.002	<0.0005	<0.001	<0.5	<5	37	4	118	<1	54	0.04	207
105	24856	496551	5393282	109+10	35+80	Mela gabbro, medium grained, black, 1-3% cpy	0.004	<0.0005	0.002	<0.5	6	44	6	217	1	45	0.02	297
106	24857	496733	5393392	111+50	36+00	Mela gabbro, medium grained, black, tr-1% cpy	0.020	<0.0005	0.001	<0.5	<5	60	1	596	<1	39	0.28	202
107	24858	496727	5393451	111+50	36+30	Mela gabbro, fine to medium grained, black, tr-1% cpy	0.006	0.0007	0.001	<0.5	<5	55	28	455	10	55	0.37	572
108	24859	496753	5393518	112+15	37+00	Mela gabbro, very fine grained, black, tr-2% cpy	0.002	<0.0005	<0.001	<0.5	5	63	4	217	1	89	0.12	105
109	24860	496639	5393705	112+10	39+25	Coarse grained gabbro, typical texture, rusty, tr po	0.002	<0.0005	<0.001	<0.5	<5	47	60	80	1	77	0.02	86
110	24861	496606	5393539	111+00	38+00	Coarse grained gabbro, leucocratic texture, tr po	0.002	0.0008	0.007	<0.5	<5	13	6	64	<1	21	0.11	35
111	24862	496650	5393462	111+00	37+00	Fine to medium grained gabbro, massive, 1-2% cpy	0.008	<0.0005	0.004	<0.5	6	38	6	688	<1	65	0.09	64
112	24863	496717	5393369	110+90	35+90	Mela gabbro, medium grained, black, very rusty	0.001	<0.0005	<0.001	<0.5	<5	40	6	130	<1	43	0.13	120
113	24864	497024	5393420	114+00	34+75	Mafic metavolcanics, massive, aphan. & magnetic, 1-2% po	0.001	0.0047	0.001	<0.5	10	40	812	16	2	165	0.02	169
114	24865	497081	5393340	114+00	33+80	Micro mela gabbro, fine grained, blackish, very rusty, tr-2% po	0.002	<0.0005	0.001	<0.5	9	35	64	63	<1	102	0.08	230
115	24866	497167	5393351	114+90	33+50	Mela gabbro, medium grained, black, very rusty, 1% po	0.001	0.0016	0.002	<0.5	<5	55	104	36	<1	121	0.04	74
116	24867	497138	5393419	115+00	34+25	Mela gabbro, medium grained, black, very rusty, 3-5% po	0.003	0.0101	0.031	<0.5	<5	90	33	470	<1	714	0.84	290
117	24868	497232	5393487	116+50	34+75	Mela gabbro, medium grained, black, very rusty, 1% po	0.001	<0.0005	<0.001	<0.5	<5	26	33	72	<1	45	0.05	147
118	24869	496005	5394274	109+50	47+75	Typical Gabbro, mass, med-coarse grained, light rust, 1% po	0.001	0.0027										

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn	
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
124	24875	498076	5394422	110+90	48+25	Typical Gabbro, mass, med-coarse grained, light rust, 1% po	0.001	0.0014	0.002	<0.5	<5	39	98	57	<1	69	0.03	85
125	24876	496303	5394274	112+00	45+75	Typical Gabbro, mass, medium grained, light rust, 1% py	0.004	0.0029	0.007	<0.5	<5	22	26	242	<1	48	0.04	48
126	24877	496226	5394435	112+10	47+50	Typical Gabbro, mass, medium grained, light rust, 1% py	0.002	0.0086	0.003	<0.5	<5	43	83	71	<1	68	0.04	88
127	24878	496342	5394388	113+00	46+60	Typical Gabbro, mass, medium grained, light rust, 1% py	0.001	0.0018	0.002	<0.5	<5	46	94	57	<1	82	0.04	87
128	24879	496812	5393936	113+00	41+25	Coarse grained gabbro, leucocratic texture, 1% cpy-malachite	0.014	0.0012	0.015	<0.5	<5	35	24	430	<1	90	0.03	37
129	24880	496813	5393610	113+10	37+80	Coarse grained gabbro, porphyric texture, rusty spots, 1% po	0.001	0.0008	0.003	<0.5	<5	34	16	130	<1	45	0.06	81
130	24881	496840	5393768	114+10	38+75	Coarse grained gabbro, porphyric texture, rusty, 1% py	0.004	0.0007	0.007	<0.5	<5	31	12	551	<1	66	0.05	81
131	24882	497023	5393639	115+00	36+50	Micro mela gabbro, fine grained, blackish, rusty, 1-3% cpy	0.014	<0.0005	0.009	<0.5	<5	39	32	934	1	101	0.14	96
132	24883	496592	5394182	114+00	43+65	Typical Gabbro, mass, medium grained, light rust, 1-4% cpy	0.035	0.0010	0.001	<0.5	<5	43	176	698	<1	119	0.07	85
133	24884	496714	5394355	116+00	44+50	<b>Pond Zone:</b> Coarse grained gabbro, porphyric texture, rusty, 10-15% po	0.222	<0.0005	0.008	5.1	<5	51	80	7780	11	128	1.28	47
134	24886	496738	5394885	118+90	49+00	Typical Gabbro, mass, medium grained, light rust, tr py	0.003	0.0041	0.008	<0.5	<5	49	83	161	<1	71	0.04	83
135	24887	496507	5395194	108+20	52+75	<b>Powerline 2 Zone:</b> Mafic metavolcanics, massive, aphanitic, 5-10% cpy	0.040	0.0026	0.002	1.5	<5	78	636	16800	<1	206	2.51	107
136	24888	496918	5394440	118+10	44+00	Coarse grained gabbro, porphyric texture, rusty spots, 1% po	0.001	0.0016	<0.001	<0.5	<5	23	24	88	<1	35	0.03	38
137	24889	496893	5394922	120+50	48+75	Typical Gabbro, mass, medium grained, light rust, tr py	0.001	0.0023	0.002	<0.5	8	36	41	130	<1	41	0.06	68
138	24890	496818	5394988	120+00	49+70	Typical Gabbro, mass, medium grained, tr 1% cpy, tr malachite	0.004	0.0012	0.003	<0.5	5	33	26	239	<1	36	0.03	45
139	24910	497650	5393869	122+00	35+00	Micro mela gabbro, fine grained, blackish, rusty, 1% po-py	0.002	0.0010	0.001	<0.5	8	33	3	51	1	20	0.04	128
140	24930	495641	5394611	108+00	52+00	Mafic metavolcanics, massive & magnetic, tr py-cpy	0.001	0.0056	0.005	<0.5	16	106	1085	55	<1	616	0.07	55
141	340701	496108	5392603			<b>Junction Occurrence:</b> Gabbro - fine grained recrystallized, dark grey, color weakly magnetic, rusty weathering, 1% disseminated pyrrhotite and chalcopyrite	0.028	0.0006	0.006	1.3	-5	152	3	3040	-1	122	2.17	133
142	340702	495996	5392595			GABBRO- fine grained, dark grayish green locally weakly magnetic minor rusty, weathering quartz eyes up to 1% pyrrhotite with trace chalcopyrite	0.004	0.0010	0.005	-0.5	-5	74	3	606	-1	117	0.80	165
143	340703	495935	5392697			GABBRO- fine to medium grained, dark grey color, highly altered with 10-15% gamets locally strongly magnetic, rusty weathering, 2-3% disseminated pyrite + chalcopyrite	0.001	0.0005	0.003	-0.5	12	59	-1	820	-1	59	1.78	1165
144	340704	495936	5392716			<b>Traverse Inlet Occurrence:</b> Gabbro-fine to medium grained, dark grey color, highly altered with 10-15% gamets locally strongly magnetic, rusty weathering, 2-3% disseminated pyrite + chalcopyrite	0.008	0.0008	0.011	-0.5	12	72	6	1220	1	166	0.51	193
145	340705	495968	5392752			GABBRO- fine grained, dark grey color, rusty weathering, 10-15% plagioclase minor gamet alteration, non-magnetic 1-2% disseminated pyrite and pyrrhotite	0.001	0.0006	0.001	-0.5	-5	27	3	291	-1	62	0.98	682
146	340706	495940	5372730			GABBRO- fine to medium grained dark grey color, rusty weathering 30% plagioclase quartz eyes noted, locally weakly magnetic up to 1% disseminated pyrite and chalcopyrite	0.003	0.0011	0.010	-0.5	8	59	4	726	1	112	0.28	298
147	340707	495940	5392730			GABBRO- fine grained grey color, slightly to moderate by magnetic rusty weathering 20-30% recrystallized of plagioclase, 1-2% disseminated pyrite, pyrrhotite, chalcopyrite	0.003	0.0006	0.003	-0.5	-5	120	2	976	1	318	1.35	242
148	340708	495878	5392715			GABBRO- fine to medium grained medium grey color, strong rusty weathering 10% plagioclase, locally moderately magnetic, up to 1% disseminated pyrrhotite, chalcopyrite	0.002	0.0005	0.003	-0.5	5	83	2	631	-1	278	0.66	294
149	340709	495849	5392697			<b>Traverse Inlet Occurrence:</b> Gabbro- fine grained grey/green color, slightly rusty surface and fractures, slightly to moderately magnetic locally, 2% disseminated pyrrhotite coarser chalcopyrite	0.004	0.0012	0.020	-0.5	-5	88	5	1060	-1	162	0.84	304
150	340710	495776	5392741			Melagabbro- mostly fine grained greenish/grey color, mostly olivine, minor rust, moderately magnetic locally fine magnetite, trace chalcopyrite	0.001	-0.0005	0.004	-0.5	6	45	4	136	-1	62	0.06	191
151	340711	495778	5392587			GABBRO- medium grained, dark grey/green color, moderately rusty weathering 20% plagioclase, locally weakly magnetic 1-2%	0.003	-0.0005	-0.001	-0.5	9	74	7	388	-1	72	0.48	144
152	340712	495824	5392513			GABBRO- fine grained, grayish color, up to 15% plagioclase, minor surface rust, non-magnetic, 1% disseminated concentrations of chalcopyrite	0.043	0.0007	0.009	0.7	-5	69	2	1775	-1	135	0.38	89
153	340713	495745	5392252			GABBRO- fine grained, grayish color, 30-50% plagioclase, moderately magnetic in an altered portion, rusty olivine rich rind with possible quartz, non-magnetic, 1% pyrrhotite worth trace chalcopyrite	0.004	-0.0005	0.001	-0.5	-5	52	3	685	1	55	0.65	78
154	340714	495740	5392248			GABBRO- fine to medium grained, dark green color, 30% plagioclase, non-magnetic, trace chalcopyrite	0.001	-0.0005	0.004	-0.5	6	29	3	67	-1	25	0.05	78
155	340715	495713	5392555			GABBRO- altered fine to medium grained grey color, 10-15% recrystallized plagioclase, slightly magnetic, minor rust in fractures, 1-2% fine disseminated chalcopyrite and pyrrhotite	0.002	-0.0005	-0.001	-0.5	10	51	5	345	2	60	0.39	124
156	340716	495718	5392302			GABBRO- medium grained dark green, 20% plagioclase, non-magnetic minor rusty weathering, trace to 1% chalcopyrite blebs	0.004	0.0006	0.004	-0.5	6	47	1	341	-1	59	0.05	106
157	340717	495720	5392278			GABBRO- fine to medium grained, dark grey color, 10% + plagioclase locally strongly magnetic with 3-5% visible magnetite iron rich pyroxenes and olivines, 2% chalcopyrite, pyrite, minor pyrrhotite	0.004	-0.0005	0.001	-0.5	-5	51	2	332	-1	26	0.53	107
158	340718	495709	5392314			GABBRO- medium to coarse grained, dark grey, 30% plagioclase minor rusty weathering, locally weakly magnetic, 1% disseminated chalcopyrite, pyrite	0.012	-0.0005	0.004	-0.5	-5	60	3	951	-1	63	0.14	87
159	340719	495690	5392298			GABBRO- fine grained, grey color 30% plagioclase with large unaltered crystals, rusty weathering non magnetic quartz eyes, 1-2% disseminated chalcopyrite, pyrrhotite, pyrite with high local concentrations	0.009	-0.0005	0.011	-0.5	12	71	3	1355	-1	84	0.25	90
160	340720	495697	5392317			GABBRO- fine to medium grained, 10-15% plagioclase, medium green color rusty weathering, locally weakly magnetic, trace to 1% blebs pyrite, chalcopyrite, pyrrhotite	0.002	0.0014	0.002	-0.5	6	77	1	360	3	126	0.38	225
161	340721	495682	5392317			GABBRO- fine to medium grained, grayish-white in color, 30-40% plagioclase, minor olivine (?), rusty weathering, very weakly magnetic associated with pyrrhotite, trace disseminated chalcopyrite, pyrrhotite - 1% coarse pyrite	-0.001	-0.0005	-0.001	-0.5	9	69	3	354	-1	105	0.43	191
162	340722	495633	5392403			GABBRO- medium grained, dark grey green color mostly pyroxenes, 10-15% plagioclase, minor rusty weathering slightly magnetic, associated with pyrrhotite, -1% disseminated to local blebs pyrrhotite lesser amounts of chalcopyrite	0.002	0.0007	0.021	-0.5	5	55	2	297	1	128	0.20	81
163	340723	495630	5392440			GABBRO- medium grained, medium green color, 30-40% plagioclase minor rusty weathering, locally, weakly magnetic, trace to 1% disseminated pyrite, chalcopyrite	0.011	0.0006	0.002	-0.5	5	51	3	724	-1	56	0.35	87

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au ppm	Pt ppm	Pd ppm	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Mo ppm	Ni ppm	S %	Zn ppm
	Eastings	Northing	Eastings	Northing													
164	340724	495695	5392717		GABBRO? Fine to medium grained, dark grey/green color, rusty weathering and in fractions, weakly to moderately magnetic, 30-40% plagioclase, 1% disseminated pyrite, pyrrhotite	0.001	0.0006	0.001	-0.5	5	24	5	215	-1	38	0.55	132
165	340725	495613	5392462		<b>L97E Occurrence:</b> Gabbro, altered fine grained, dark grey color, 15-20% plagioclase very rusty, weathering and fractures, quartz vein, 5 to 1.0cm wide with semi-massive coarse pyrite, 3-5% disseminated pyrite pyrrhotite within pyroxene matrix	0.002	0.0010	0.007	-0.5	-5	78	1	4000	1	146	3.88	41
166	340726	495613	5392462		GABBRO- fine grained, dark grey/green color, rusty weathering 20-30% plagioclase, weakly magnetic, smooth fracturing, 1% disseminated pyrrhotite, chalcopyrite, possible malachite staining	0.002	0.0010	0.004	-0.5	7	55	1	563	-1	101	0.52	77
167	340727	495613	5392485		GABBRO- medium to coarse grained, dark green 30-40% plagioclase minor rusty weathering quartz eyes noted, locally weakly magnetic, 1% pyrite, chalcopyrite, pyrrhotite	0.004	-0.0005	0.012	-0.5	-5	59	1	365	-1	98	0.18	72
168	340728	495817	5392343		<b>Traverse Inlet South:</b> Gabbro- altered fine grained, very rusty, weathering, dark grey color non-magnetic, 30% recrystallized plagioclase 1-2% disseminated pyrite, chalcopyrite; Zn occurrence	0.071	0.0026	0.034	-0.5	7	120	1	1300	1	202	2.11	4140
169	340729	495818	5392338		GABBRO- medium grained, medium grey color, 20% plagioclase strong rusty weathering locally weakly magnetic, trace to 1% chalcopyrite, pyrite	0.005	-0.0005	-0.001	-0.5	9	71	2	659	3	29	0.21	239
170	340730	495748	5392438		GABBRO?/Basalt?- fine to medium grained, dark grey, 15% plagioclase minor rusty weathering non-magnetic, trace chalcopyrite, pyrite	0.003	0.0006	0.001	-0.5	-5	49	10	233	-1	72	0.05	98
171	340731	495825	5392486		Gabbro- medium grained, highly altered olivines and pyroxenes plagioclase up to 50% weakly magnetic locally, quartz eyes noted, trace pyrrhotite	0.005	-0.0005	-0.001	-0.5	-5	17	2	148	-1	17	0.09	48
172	340732	496481	5394864		Gabbro-coarse grained, black color, 30% plagioclase minor rusty weathering, non-magnetic, trace pyrite chalcopyrite	0.002	0.0388	0.010	-0.5	8	43	31	120	1	168	0.04	58
173	340733	496487	5394864		<b>East Zone:</b> Gabbro- Coarse grained black color (pyroxenes), 30% coarse plagioclase locally very rusty, moderately magnetic; 1% coarse pyrite, trace pyrrhotite, trace blebby chalcopyrite	0.018	0.0592	0.248	-0.5	12	50	38	456	-1	238	0.18	65
174	340734	496482	5394855		<b>East Zone:</b> Gabbro- coarse grained, black color, 30% plagioclase medium rusty weathering, locally weakly magnetic, trace to 1% pyrite -1% chalcopyrite, trace pyrrhotite	0.014	0.0474	0.144	-0.5	7	60	38	283	-1	284	0.26	75
175	340735	496474	5394862		<b>East Zone:</b> Gabbro; medium- to coarse-grained dark grey color rusty surface; only slabs with smooth fractures adjacent to outcrop, possible layering matrix is denser and more solid than previous pyrite (po?) trace disseminated chalcopyrite	0.021	0.0520	0.071	-0.5	9	74	35	1810	-1	515	1.17	79
176	340736	496463	5394832		<b>East Zone:</b> Gabbro, mostly coarse-grained, moderate to very rusty; 30-35% coarse plagioclase, rusty orange, olivines; locally magnetic; 2-3% disseminated and blebby chalcopyrite, trace pyrrhotite, pyrite	0.227	0.2400	0.580	1.9	51	57	42	7990	-1	1048	1.16	97
177	340737	496463	5394827		<b>East Zone:</b> Gabbro, coarse grained, black color 30% plagioclase, strongly rusty weathering, locally weakly magnetic, 1-2% pyrite, chalcopyrite, trace pyrrhotite	0.058	0.2670	0.481	0.8	13	102	84	4820	1	1170	1.45	70
178	340738	496439	5394854		Gabbro- coarse grained, dark green to black 25-30% larger plagioclase crystals, rusty fractures, magnetic locally at pyrrhotite blebs, 1-2% disseminated to bleb pyrrhotite with lesser chalcopyrite intermixed	0.005	0.0596	0.072	-0.5	-5	54	30	247	1	254	0.21	68
179	340739	496409	5384823		Gabbro- medium grained, dark grey color (mostly pyroxenes), 20% fine to medium plagioclase, moderately magnetic, throughout rusty fractures 2% disseminated to coarse blebs of pyrrhotite with minor chalcopyrite	0.003	0.0372	0.068	-0.5	-5	82	64	456	1	404	0.77	71
180	340740	496296	5394744		Gabbro- coarse grained, very rusty large pyroxene crystals dark grey to black color, 20-25%. Variable grained plagioclase non-magnetic, trace disseminated pyrite	0.001	0.0140	0.002	-0.5	-5	43	125	93	1	174	0.08	72
181	340741	496296	5394744		Gabbro, medium to coarse grained, dark grayish, 30-40% varietextured plagioclase, moderately magnetic; rusty fractures, 2-3% disseminated to blebby pyrrhotite with lesser amounts of chalcopyrite	0.001	0.0097	0.004	-0.5	21	60	89	213	1	371	0.40	70
182	340742	496253	5394728		<b>East Zone:</b> Gabbro- medium grained, dark grey color, 30-40% coarse plagioclase, rusty fractures only moderately magnetic at pyrrhotite, 2-3% disseminated to blebby pyrrhotite, pyrite with lesser chalcopyrite	0.008	0.0269	0.136	-0.5	-5	106	46	597	4	543	1.32	64
183	340743	496244	5394723		Gabbro- medium grained, dark grey color, 30-40% plagioclase strong rusty weathering, moderately magnetic at pyrrhotite, 1-2% pyrite, pyrrhotite with lesser amounts of chalcopyrite	0.002	0.0349	0.045	-0.5	-5	102	36	613	1	557	1.15	56
184	340744	496246	5394738		<b>East Zone:</b> Gabbro- medium grained, black color, 20% plagioclase slightly rusty weathering, non-magnetic trace pyrite	0.008	0.0514	0.231	-0.5	9	47	52	92	-1	237	0.12	68
185	340745	496222	5394709		Gabbro- medium to coarse grained dark grey color, 30-40% plagioclase moderate rusty weathering, locally moderately magnetite, 1-2% pyrite, pyrrhotite with trace chalcopyrite	0.002	0.0298	0.034	-0.5	-5	60	45	344	-1	341	0.55	60
186	340746	496233	5394702		Gabbro- coarse grained dark grey/black color very long, pyroxene crystals, 25-30% plagioclase, rusty weathering and fractures, slightly magnetic at pyrrhotite, up to 1% disseminated pyrrhotite, lesser chalcopyrite	0.004	0.0356	0.026	-0.5	-5	58	41	328	2	168	0.32	53
187	340747	496227	5394681		Ultramafic- altered coarse pyroxenes with finer grained olivines, dark grey to black color, non-magnetic, minor fracture rust, trace pyrite	0.005	0.0128	0.019	-0.5	19	90	1140	122	1	666	0.02	130
188	340748	496197	537475		Gabbro- medium to coarse grained, dark grayish green color, 20-30% plagioclase, moderate rusty weathering, locally magnetic at pyrrhotite, 1-2% chalcopyrite, pyrrhotite, lesser pyrite	0.002	0.0465	0.009	-0.5	-5	53	55	320	-1	249	0.19	68
189	340749	496187	5394678		Gabbro- medium grained dark grey/green color, partially recrystallized plagioclase up to 45%, 10-20% altered olivines, rusty weathering, up to 1% disseminated to coarse pyrrhotite and chalcopyrite, possible pendthandite (pinkish brassy mineral)	0.004	0.0612	0.084	-0.5	-5	61	32	795	-1	202	0.41	56
190	340750	496188	5394648		Gabbro- very coarse grained dark green, 30% plagioclase large pyroxene crystals, locally weakly magnetic, trace chalcopyrite pyrrhotite	0.001	0.0088	0.005	-0.5	-5	43	51	134	-1	75	0.13	54
191	340751	496139	5394687		<b>East Zone:</b> Gabbro- coarse grained, dark grey, 20% plagioclase, moderate rusty weathering, locally strongly magnetic with pyrrhotite, 1% pyrrhotite, pyrite with lesser chalcopyrite	0.005	0.0295	0.844	-0.5	-5	82	41	338	-1	346	0.63	49



## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au ppm	Pt ppm	Pd ppm	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Mo ppm	Ni ppm	S %	Zn ppm
	Eastings	Northing	Eastings	Northing													
192	340752	496120	5394654		East Zone: Gabbro- coarse grained, dark grey color, up to 50% plagioclase locally, magnetic at pyrrhotite, large unaltered feldspar crystal. Patchy sulphides, up to 1% coarse pyrrhotite with lesser chalcopyrite	0.002	0.0217	0.138	-0.5	-5	71	60	426	74	374	0.74	51
193	340753	496112	5394655		East Zone: Gabbro/Lecucogabbro- coarse grained, dark grey, 50-60% + plagioclase, moderately rusty, locally moderately magnetite 1-2% pyrrhotite, pyrite, lesser chalcopyrite	0.002	0.1065	0.216	-0.5	-5	71	38	736	-1	441	1.09	50
194	340754	495963	5394653		Mafic Volcanic- fine grained dark grayish/green color, strong rusty weathering, locally weakly magnetic, trace Pyrite, pyrrhotite/chalcopyrite	0.002	0.0030	0.004	-0.5	-5	41	62	233	-1	19	0.21	104
195	340755	496174	5394737		East Zone: Mafic volcanics-fine grained, dark grayish green color, locally weakly magnetic, trace to 1% disseminated to coarse pyrite, trace chalcopyrite, pyrrhotite	0.004	0.1260	0.348	-0.5	-5	46	54	292	2	256	0.54	88
196	340756	496334	5394802		T-1 Footwall Zone: Gabbro/pyroxenite (?), fine to medium grained, dark grayish green color, 10-20% plagioclase, strong rusty, weathering, locally, weakly magnetic, trace to 1% pyrite with lesser amounts of pyrrhotite, chalcopyrite	0.031	0.0643	0.104	0.6	-5	56	53	3290	3	224	0.94	61
197	340757	496401	5394835		Gabbro- coarse grained, dark grey color, 20-30% plagioclase moderately rusty weathering, moderately magnetic at pyrrhotite, 1-2% pyrrhotite, trace to 1% chalcopyrite, pyrite	0.021	0.0662	0.076	-0.5	-5	74	13	969	-1	552	1.00	75
198	340758	496478	5393923		Gabbro- coarse grained, medium dark green color 40-50% plagioclase non-magnetic trace fine disseminated pyrite	0.001	0.0011	-0.001	-0.5	-5	23	3	54	-1	31	0.02	36
199	340759	496702	5393664		Gabbro- coarse grained, medium dark green, 20-30% plagioclase, non-magnetic, trace blebs of chalcopyrite, pyrite	0.001	0.0009	0.001	-0.5	-5	33	4	168	-1	50	0.01	36
200	340760	496660	5392940		Gabbro- medium to coarse grained, dark green color, 20% plagioclase locally weakly magnetic, moderate to strong rusty weathering, trace pyrite chalcopyrite, pyrrhotite	0.001	0.0037	0.015	-0.5	5	55	83	315	12	178	1.13	108
201	340761	496686	5393013		Mafic volcanic- fine grained, dark green rusty weathering, trace magnetite- locally weakly to strongly magnetic, trace blebs coarse pyrite	-0.001	-0.0005	0.001	-0.5	5	40	16	78	1	16	0.18	95
202	340762	496764	5392870		Melagabbro- fine to medium grained, dark grayish (green color, rusty weathering, locally weakly to strongly magnetic, trace to 1% fine disseminated pyrite along fractures trace magnetite	0.014	-0.0005	-0.001	-0.5	6	40	6	69	-1	17	0.11	170
203	340763	496967	5393300		Ultramafic (Dunite?) same as 340810- fine grained, medium dark green color, rusty weathering along fractures strongly magnetic/magnetite rich, no visible sulphides	-0.001	0.0010	-0.001	-0.5	-5	79	817	33	1	462	0.01	120
204	340764	496225	5392611		Gabbro-fine to medium grained dark grey color, rusty weathering moderately to strongly magnetic garnets noted, 20% to plagioclase, trace to 1% pyrite, chalcopyrite, pyrrhotite	0.013	-0.0005	0.002	-0.5	-5	96	1	1275	-1	72	0.82	285
205	340765	495310	5393380		Gabbro- medium grained, dark green color, minor rusty weathering, 30% plagioclase, non-magnetic, trace disseminated pyrite	0.001	0.0005	0.001	-0.5	17	40	84	11	-1	120	0.01	77
206	340766	495450	5393277		Gabbro- coarse grained, dark green color, 30% plagioclase, non-magnetic, trace disseminated pyrite	0.001	0.0027	0.002	-0.5	-5	31	3	94	4	65	0.09	51
207	340767	495496	5393259		Gabbro- coarse grained, dark green color, 30-40% plagioclase, minor rust weathering along fractures, non-magnetic, trace coarse pyrite	0.001	0.0012	-0.001	-0.5	-5	27	5	46	-1	51	0.08	58
208	340768	496018	5392697		T-7 South Occurrence: Gabbro- melagabbro- fine grained dark grey color, -10% plagioclase locally moderately rusty weathering, locally weakly magnetic, 1% chalcopyrite with minor pyrrhotite, pyrite	0.029	-0.0005	0.011	0.7	-5	56	34	4440	1	72	0.67	95
209	340769	494480	5392025		T-8 North Occurrence: Gabbro- medium grained dark grey 20-30% plagioclase, moderate to strong rusty, weathering, moderate to strongly magnetic associated with pyrrhotite, 1-2% disseminated chalcopyrite, pyrrhotite, pyrite, blebs of chalcopyrite	0.033	-0.0005	0.001	-0.5	-5	91	39	3260	8	148	0.85	75
210	340770	494415	5392079		Gabbro- medium grained, dark greyish green color, minor rusty weathering, moderate to strongly magnetic, trace magnetite quartz eyes noted, trace pyrite, chalcopyrite, pyrrhotite	0.002	-0.0005	0.001	-0.5	-5	67	19	428	-1	77	0.26	56
211	340771	494362	5391977		Melagabbro- medium grained, dark green color, minor rusty weathering, 5-10% plagioclase, locally weakly magnetic, trace to 1% pyrite, chalcopyrite, pyrrhotite	0.006	-0.0005	0.001	-0.5	-5	53	20	376	-1	55	0.06	75
212	340772	494475	5391810		Gabbro- fine grained, dark grey color, 30% plagioclase strong rusty weathering quartz eyes noted, magnetite, visible, strongly magnetic, trace chalcopyrite, pyrite, pyrrhotite	0.001	-0.0005	0.002	-0.5	-5	81	36	399	-1	99	0.65	53
213	340773	494415	5391789		Gabbro- fine grained, dark grey color, 20% plagioclase, moderate to strong rusty weathering, moderately magnetic, trace to 1% pyrite, chalcopyrite	0.003	0.0009	0.001	-0.5	-5	84	37	965	-1	192	0.98	59
214	340774	494366	5391880		Gabbro- fine to medium grained, dark grey color, strong rusty weathering, 20% plagioclase, garnets noted, magnetite. Noted, quartz eyes, strongly magnetic, 1% chalcopyrite pyrrhotite	0.008	-0.0005	0.011	-0.5	-5	54	48	870	-1	34	0.40	162
215	340775	494504	5392015		Gabbro- fine to medium grained, dark grey color, strong rusty weathering along fractures, strongly, magnetic-magnetite, 20% plagioclase, trace chalcopyrite, pyrrhotite, pyrite	0.004	-0.0005	0.007	-0.5	10	54	27	873	1	63	0.53	62
216	340776	494658	5391824		Gabbro- fine grained, dark grey color, strong rusty weathering along fractures, 20% plagioclase, strongly magnetic- magnetite rich, trace to 1% chalcopyrite, 1-2% pyrrhotite	0.003	-0.0005	0.001	-0.5	-5	48	41	451	-1	138	0.55	138
217	340777	494534	5391877		T-8 Occurrence: Gabbro - fine grained medium grey color, 40% plagioclase rusty weathering, minor garnets noted, non-magnetic, 2% disseminated chalcopyrite, trace pyrrhotite	0.234	0.0030	0.007	6.2	194	293	32	14200	4	142	2.91	78
218	340778	494460	5391811		Gabbro- fine grained medium grey color, 30-40% plagioclase strong rusty weathering, moderate to strongly magnetic trace chalcopyrite, pyrite	0.006	-0.0005	0.001	-0.5	-5	87	58	560	14	102	0.63	42
219	340779	494704	5392820		Gabbro- coarse grained, medium to dark green color, 30-40% plagioclase, minor rusty weathering, non-magnetic, trace pyrite chalcopyrite	0.002	0.0018	-0.001	-0.5	6	30	19	404	1	30	0.38	45
220	340780	494734	5392578		Gabbro- coarse grained, medium dark green 20-30% plagioclase, rusty weathering non-magnetic, trace pyrite	0.005	0.0011	0.080	-0.5	-5	54	32	582	-1	134	0.33	54
221	340781	494831	5382415		Gabbro- medium grained, dark green color, 20% plagioclase, moderate rusty weathering, locally weakly magnetic possible sub-outcrop, trace chalcopyrite, pyrite pyrrhotite	0.002	-0.0005	0.001	-0.5	-5	63	27	348	-1	81	0.38	39
222	340762	495484	5392273		Gabbro- fine to medium grained, dark grey color, 20% recrystallized plagioclase, moderate rusty weathering, quartz eyes noted locally weakly magnetic trace pyrite, chalcopyrite, pyrrhotite	0.001	-0.0005	-0.001	-0.5	-5	36	23	396	-1	35	0.21	67



## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
223	340783	495427	5392381		Gabbro- fine grained, medium dark grey, 20% plagioclase, minor to moderate rusty weathering along fractures, moderate to strongly magnetic, 1-2%pyrrhotite with lesser chalcopyrite and pyrite	0.005	-0.0005	0.002	-0.5	-5	74	21	564	1	118	0.55	42
224	340784	495406	5392401		<b>L&amp;E Co Occurrence:</b> Gabbro- fine grained, light to medium grey, 30-40% plagioclase strongly rusty weathering, 2% pyrite with trace chalcopyrite, non-magnetic- Note: top thin layer of main outcrop	0.004	0.0007	0.033	-0.5	6	307	12	1470	1	385	6.07	31
225	340785	495431	5392483		Gabbro- fine grained, medium dark grey/green color, 20-30% plagioclase, strongly rusty weathering, along fractures, moderately magnetic at pyrrhotite, 1-2% chalcopyrite and pyrrhotite, trace pyrite	0.013	-0.0005	0.003	-0.5	-5	80	8	964	1	161	0.69	98
226	340786	496637	5394678		Gabbro- medium to coarse grained, dark grey color, 30% plagioclase, minor rusty weathering along fractures, non-magnetic, trace chalcopyrite, pyrite, malachite staining noted	0.015	0.0033	0.006	-0.5	-5	36	41	688	2	60	0.04	66
227	340787	496581	5394387		Pyroxenite- fine grained, medium green, magnetite noted- strongly magnetic, trace pyrite chalcopyrite	0.002	-0.0005	-0.001	-0.5	-5	49	1455	182	1	309	0.08	115
228	340786	496528	5394901		Gabbro- medium grained, dark green 20-30% plagioclase, minor rusty weathering along fractures, non-magnetic, trace pyrite chalcopyrite	0.001	0.0025	0.003	-0.5	-5	62	26	194	-1	82	0.20	76
229	340789	495840	5394480		<b>B-1 Zone:</b> Gabbro, fine- to medium-grained, dark grey, 20-30% plagioclase, rusty weathering, locally strongly magnetic, 1-2% pyrrhotite areas, trace to 1% chalcopyrite, trace pyrite, malachite staining	0.008	0.0505	<b>0.158</b>	-0.5	-5	132	144	<b>1835</b>	-1	882	1.04	108
230	340790	495836	5394465		Gabbro- coarse grained, dark grey/green, rusty texture non-magnetic, -1% pyrite, trace chalcopyrite	0.001	0.0319	0.018	-0.5	11	85	99	370	20	245	0.43	65
231	340791	495813	5394485		<b>B-1 Zone:</b> Gabbro- fine to medium grained, dark grey, 10-20% plagioclase moderate to strongly rusty weathering along fractures, lesser chalcopyrite and pyrite	0.043	0.0554	<b>0.149</b>	-0.5	6	94	161	<b>2410</b>	-1	887	0.85	111
232	340792	495862	5394485		<b>B-1 Zone:</b> Gabbro, medium-grained, dark grey, 20-30% plagioclase, rusty weathering, 1-2% pyrrhotite, chalcopyrite, lesser pyrite, azurite and malachite staining noted; moderately to strongly magnetic.	0.063	0.0120	<b>0.162</b>	0.8	-5	<b>312</b>	19	<b>8700</b>	-1	<b>1670</b>	3.34	99
233	340793	495770	5394434		<b>B-1 Zone:</b> Pyroxenite, fine-grained, green, moderate to strong rusty weathering along fractures, locally weakly magnetic, azurite and malachite staining noted, 1-2% chalcopyrite, pyrite along fractures, trace pyrrhotite	0.022	0.0984	<b>0.210</b>	-0.5	12	102	198	<b>1610</b>	-1	586	0.81	80
234	340794	495681	5394389		Gabbro- medium grained, grey color, rusty texture non-magnetic, 1% pyrite, trace chalcopyrite	0.008	0.0405	0.053	-0.5	-5	51	173	255	-1	188	0.03	66
235	340795	495660	5384374		Pyroxenite- fine grained medium green color, moderate to strongly rusty weathering, locally moderate to strongly magnetic, trace to 1% pyrrhotite, with lesser chalcopyrite and pyrite	0.003	0.0250	0.080	-0.5	-5	200	207	681	-1	805	0.80	84
236	340796	495930	5393917		Ultra mafic- peridotite?- fine grained dark green, strongly magnetic, divine rich, magnetic rich, magnetic rich, no visible sulphides	0.001	0.0008	0.002	-0.5	-5	131	644	63	1	905	0.07	97
237	340797	495483	5394487		Mafic volcanics- fine grained, dark green, rusty weathering along fractures, magnetite rich, strongly magnetic, trace pyrite	0.001	0.0039	0.007	-0.5	-5	94	941	255	-1	424	0.23	48
238	340798	495491	5394555		Mafic/ultramafic?- fine grained, dark green, rusty weathering locally weakly magnetic/trace to 1% blebs pyrrhotite, trace chalcopyrite, pyrite	0.007	0.0058	0.018	-0.5	27	111	1225	409	-1	503	0.38	65
239	340801	498194	5394662		Gabbro- medium grained with 30% finer grained olivine- moderately altered 10% + plagioclase medium to dark green color, non-magnetic moderately rusty, no visible sulphides	0.001	0.0026	0.026	-0.5	-5	45	148	190	1	69	0.04	83
240	340802	496364	5394672		Gabbro- medium to coarse grained very coarse pyroxenes, dark green to black color, 30% plagioclase, moderately rusty weathering, non-magnetic, -1% disseminated chalcopyrite	0.002	0.0037	0.004	-0.5	5	80	19	592	1	42	0.69	42
241	340803	496395	5394820		<b>East Zone:</b> Gabbro- fine to medium grained medium grey/green color, rusty weathering, 20-30% plagioclase strong magnetic at pyrrhotite fine grained olivine, 3-5% disseminated to blebby chalcopyrite & pyrrhotite	0.046	0.0800	<b>0.182</b>	0.9	-5	204	23	<b>4430</b>	-1	<b>2070</b>	3.80	83
242	340804	496395	5394820		<b>East Zone:</b> Gabbro, fine to medium grained, medium grey/green color rusty weathering, 20-30% plagioclase, very weakly magnetic at pyrrhotite, -1% pyrrhotite, pyrite, 1-2% disseminated to blebby chalcopyrite	0.038	<b>0.1545</b>	<b>0.222</b>	0.9	5	190	23	<b>6240</b>	-1	<b>1800</b>	3.70	83
243	340805	496512	5393877		Gabbro- fine to medium grained, rusty patch within coarse ground host rock, dark green color, variably plagioclase, minor olivine non-magnetic, trace blebs chalcopyrite, minor malachite staining	0.010	0.0111	0.003	-0.5	7	19	4	737	-1	45	0.10	29
244	340808	496636	5392906		Gabbro- mostly fine grained, partially altered dark green color, variable plagioclase up to 30% locally up to 30% altered olivine, moderately rusty weathering, non-magnetic, no visible sulphides	0.001	-0.0005	-0.001	0.5	-5	54	410	100	-1	178	0.17	102
245	340807	496608	5392924		Ultramafic?- fine grained dark green color minor rusty weathering, mostly olivine- partially altered, highly magnetic with 2% disseminated to blebby magnetite, no visible sulphides	0.002	0.0021	0.002	-0.5	-5	75	975	29	1	189	0.05	121
246	340808	496679	5392989		Mafic volcanic- very fine grained, dark green color, trace rusty weathering, slightly magnetic, up to 1% disseminated pyrite, pyrrhotite	0.001	-0.0005	-0.001	-0.5	6	48	10	102	2	22	0.29	116
247	340809	496810	5392985		Melagabbro- fine to medium grained, dark grey color rusty weathering, slightly magnetic at pyrrhotite, -1% pyrrhotite pyrite, trace chalcopyrite	-0.001	-0.0005	0.001	-0.5	-5	64	103	135	-1	76	0.30	122
248	340810	496749	5393091		Ultramafic (Dunite?)- same rock as 340807- fine grained, medium green color, mostly all olivine (partially altered) rusty weathering, extremely magnetic with 5-10% visible disseminated to small blebs magnetite, no visible sulphides	0.001	0.0023	0.001	-0.5	-5	41	864	83	6	96	0.22	108
249	340811	496224	5392611		Gabbro- fine grained medium grey/green color, 10-20% plagioclase, 2-4% pink garnets, moderate magnetic, minor rusty weathering, up to 1% disseminated chalcopyrite pyrrhotite, pyrite? 1-2% visible magnetite	0.003	-0.0005	0.001	-0.5	-5	47	3	610	-1	29	0.59	162
250	340812	496209	5392611		Gabbro- mostly fine grained, dark grey color, 10-15% recrystallized plagioclase, rusty weathering, minor garnets, highly magnetic 1-2% magnetic, up to 1% disseminated chalcopyrite, lesser pyrrhotite	0.001	-0.0005	0.003	-0.5	-5	111	-1	507	17	87	0.61	143
251	340813	495301	5393401		Gabbro/Pyroxene- fine grained dark green color, trace rust in fractures, extremely magnetic, 3-5% visible magnetite, no plagioclase, no visible sulphides	0.001	0.0032	0.003	-0.5	-5	106	268	9	-1	782	0.01	130
252	340814	495371	5393294		Leucogabbro- coarse grained, dark grey/green color (coarse pyroxenes), 60-70% coarse plagioclase, moderately magnetic at pyrrhotite, -1% coarse blebs pyrrhotite, trace + disseminated chalcopyrite	0.009	0.0099	0.016	-0.5	9	33	17	433	-1	116	0.32	31

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
253	340815	495449	5393278		Gabbro- mostly coarse grained, dark green pyroxenes, rock strongly rusted throughout, 30% coarse plagioclase, non-magnetic, outer rind is very crumbly fresher rock is more solid- sulphide content starts to increase (similar to T-1 outcrops), trace + disseminated chalcopyrite, pyrite	0.002	0.0012	-0.001	-0.5	-5	19	2	263	8	22	0.31	36
254	340816	495400	4393499		Pyroxene- fine grained dark green color, extremely magnetic, 2-3% visible magnetite (same rock as 340813), no visible sulphides	0.002	-0.0005	0.001	-0.5	14	68	950	119	-1	232	0.02	88
255	340817	496045	5392673		Gabbro- fine grained, dark green color, 10-15% plagioclase non-magnetic, minor rusty weathering, quartz eyes noted, -1% disseminated chalcopyrite, pyrite	0.013	-0.0005	0.001	-0.5	5	53	3	1185	-1	73	0.19	83
256	340818	494564	5391885		Gabbro- mostly fine grained with coarser pyroxenes, variable color- green to pinkish garnet alteration, minor locally, reddish rusty weathering, trace & disseminated pyrite? Chalcopyrite?	0.007	-0.0005	0.001	0.5	-5	27	48	396	-1	18	0.20	155
257	340819	494497	5392032		Gabbro- fine grained, dark grey color, 15-20% plagioclase rusty weathering and fractures minor olivine, locally weakly magnetic 1-2% disseminated to small locally weakly magnetic 1-2% disseminated to small blebs chalcopyrite, pyrite, pyrrhotite	0.021	0.0006	0.001	-0.5	-5	88	31	2190	21	83	1.07	51
258	340820	494437	5392089		Gabbro- fine grained, medium grey color, minor rusty weathering, moderately magnetic, -1% disseminated chalcopyrite, pyrrhotite, trace pyrite	0.008	-0.0005	0.002	-0.5	8	47	22	794	1	53	0.22	37
259	340821	494368	5392002		Gabbro; fineto medium-grained, medium grey color, 10-15% plagioclase, 40-50% olivines, strong rusty weathering, moderately magnetic, locally up to 1% locally disseminated chalcopyrite pyrrhotite	0.009	-0.0005	-0.001	-0.5	12	60	23	1060	5	84	0.25	47
260	340822	494408	5391979		Gabbro- fine grained, medium grey color, 10-20% plagioclase very rusty weathering quartz eyes, moderately magnetic, 3-5% disseminated chalcopyrite, pyrrhotite, trace pyrite	0.002	-0.0005	0.002	-0.5	-5	112	27	1085	1	98	1.77	49
261	340823	494412	5391748		Gabbro- mostly fine grained medium grey color, moderate rusty weathering moderately magnetic disseminated magnetite) 40-50% plagioclase, trace to 1% disseminated pyrrhotite, chalcopyrite pyrite	0.002	-0.0005	0.003	-0.5	-5	105	39	878	-1	224	0.93	40
262	340824	494345	5391871		Gabbro- fine grained, medium to dark grey color, moderate rusty weathering and fractures, 10-15% plagioclase garnets noted, clean quartz stringer with trace pyrite slightly to moderately magnetic, 2-4% disseminated chalcopyrite, pyrrhotite trace pyrite	0.001	-0.0005	0.002	-0.5	-5	75	17	510	3	120	0.59	100
263	340825	494459	5392044		Gabbro- mostly medium grained darker green color 15% plagioclase, yellow olivine alteration, local rusty weathering, strongly magnetic, -1% disseminated chalcopyrite pyrite	0.021	-0.0005	-0.001	-0.5	-5	60	25	1870	4	100	0.43	32
264	340826	494588	5391861		Gabbro- fine grained, medium grey color, 30-35% plagioclase minor garnets, slightly rusty weathering, moderately magnetic, -1% disseminated, chalcopyrite, pyrrhotite	0.009	-0.0005	-0.001	-0.5	-5	57	20	507	-1	54	0.18	235
265	340827	494457	5391797		Gabbro- highly altered fine grained, very rusty throughout, variable plagioclase- up to 45% non-magnetic, trace to .5% disseminated chalcopyrite pyrrhotite? Pyrite	0.002	-0.0005	0.004	-0.5	5	78	35	507	1	115	0.42	20
266	340828	494759	5392740		Gabbro- Medium grained dark grey color, 10-20% plagioclase garnets, non-magnetic, minor surface rust, trace pyrite	0.003	0.0009	0.001	-0.5	-5	35	78	60	-1	48	0.14	617
267	340829	494556	5392716		Gabbro- strongly altered fine to medium grained medium grey to green color, granite noted, non-magnetic, trace rusty weathering, olivine rich, trace pyrite, chalcopyrite	0.004	0.0007	-0.001	-0.5	-5	38	64	459	-1	30	0.42	416
268	340830	495457	5392337		Gabbro- fine grained medium green color, slightly rusty weathered surface, 10-15% plagioclase, slightly magnetic at pyrrhotite -1% disseminated pyrrhotite, trace chalcopyrite	0.001	0.0007	0.001	-0.5	-5	48	13	300	-1	57	0.27	57
269	340831	495433	5392375		Gabbro- fine grained, dark green color slightly rusty weathering 10-15% plagioclase, slightly magnetic locally at sulphide bleb, 1cm bleb mostly chalcopyrite with less pyrrhotite overall -1% sulphide	0.005	-0.0005	0.006	-0.5	7	41	8	285	-1	53	0.05	73
270	340832	495404	5392408		Gabbro- fine grained medium to dark grey color, moderate rusty weathering and fractures, 20-25% plagioclase- more locally slightly magnetic at pyrrhotite, up to 1% disseminated to small blebs pyrrhotite, up to 1% disseminated to small blebs pyrrhotite, trace chalcopyrite pyrite (on fracture)	0.001	-0.0005	0.001	-0.5	-5	43	12	600	-1	68	1.17	57
271	340833	495084	5392774		Gabbro- coarse grained, very rusty throughout, 20-30% plagioclase, non-magnetic, no visible sulphides	0.001	0.0008	-0.001	-0.5	-5	16	15	87	-1	24	0.14	47
272	340834	495051	5392632		Gabbro- coarse grained, medium grey color, trace rust, non-magnetic, trace pyrite	0.001	0.0012	0.001	-0.5	-5	31	13	70	-1	52	0.04	61
273	340835	496555	5394433		Pyroxenite- mostly fine grained altered olivine, dark grey/green color, rusty fractures only, highly magnetic with 5-10% visible magnetite locally, possible trace sulphides	0.001	0.0032	0.002	-0.5	-5	140	1835	17	-1	1560	0.01	89
274	340836	496591	5394336		Pyroxenite- very coarse grained, dark green rusty texture throughout, minor olivine alteration, non-magnetic, moderate malachite staining, no visible sulphides.	0.102	-0.0005	0.001	0.7	5	67	412	1990	7	234	0.01	66
275	340837	496448	5395019		<b>East Footwall Zone:</b> Microgabbro- very fine grained, medium grey color, 40-50% plagioclase, minor olivine, moderate rusty weathering, non-magnetic, trace + chalcopyrite, pyrite	0.080	0.0225	0.015	1.1	72	78	70	6020	1	239	0.81	67
276	340838	496401	5395099		<b>Powerline 4 SW Occurrence:</b> Mafic volcanic; very fine grained, dark grey color, very rusty weathering and in fractures, slightly magnetic locally, -1% disseminated pyrite, trace pyrrhotite, chalcopyrite	0.140	0.0005	0.034	-0.5	1095	190	71	487	1	2680	0.96	52
277	340839	495831	5394478		Gabbro- mostly medium grained with some coarse pyroxene, dark grey/green color, 25-35% plagioclase minor rusty weathering, moderately magnetic at pyrrhotite, -1% blebs pyrrhotite, lesser chalcopyrite	0.007	0.0232	0.088	-0.5	-5	76	120	614	-1	433	0.64	65
278	340840	495549	5394479		Gabbro- medium grained dark grey/green color, very rusty weathering, trace magnetite, 10-15% plagioclase -1% pyrit, lesser amounts chalcopyrite, unidentified pinkish brassy mineral	0.010	0.0142	0.210	-0.5	-5	102	39	1620	-1	461	1.30	67
279	340841	495864	5394484		<b>B-1 Zone:</b> Gabbro- medium grained with coarser pyroxenes, dark grey/black color, 10-15% plagioclase, very rusty weathering, magnetic at pyrrhotite only, 5-10% chalcopyrite on fracture surface, trace + blebs throughout, trace pyrrhotite	0.044	0.0288	0.493	0.7	-5	82	37	4380	25	332	0.70	105
280	340842	495772	5394422		<b>B-1 Zone:</b> Microgabbro- very fine grained, light grey/green color. Minor rusty weathering, 40-50% plagioclase non-magnetic minor malachite staining, trace + disseminated chalcopyrite	0.015	0.0330	0.064	-0.5	6	43	48	1040	1	287	0.06	136
281	340843	495707	5394381		<b>B-1 Zone:</b> Melagabbro/pyroxenite- mostly medium grained dark grey/green color, very rusty throughout trace plagioclase, minor olivine, non-magnetic, 1-2% chalcopyrite, pyrite	0.258	-0.0005	0.004	3.6	-5	77	4	11700	-1	80	1.83	112
282	340844	495906	5393916		Gabbro-coarse grained, dark green/grey, rust staining magnetite present, feldspar, 1% pyrite	0.002	0.0029	0.004	-0.5	10	79	760	48	-1	380	0.02	124

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
283	340845	495428	5394512		Lakeshore Occurrence: Melagabbro/pyroxenite- fine grained, dark green color, 10% plagioclase locally on outer layer of rock, fresher rock is pyroxenite, moderate rusty weathering and fractures slightly to moderately magnetic, slightly to moderately magnetic, 1% disseminated pyrrhotite, chalcopyrite, local blebs of chalcopyrite	0.066	0.0089	0.366	-0.5	635	297	1400	1710	-1	1236	1.36	69
284	340850	496960	5396462		Mafic/ultramafic?, fine grained, dark grey-green, strongly rusty weathere, moderate to strongly magnetic, 1-2% pyrrhotite + pyrite, trace chalcopyrite	0.001	0.0028	0.010	-0.5	-5	204	1445	728	1	1485	2.34	55
285	340851	497215	5396040		Ultra mafic, dark grey, fine grained, rusty weathering, locally weakly magnetic, trace -1% chalcopyrite along fractures with lesser pyrite	0.002	0.0016	0.002	-0.5	7	46	50	184	1	39	0.26	44
286	340854	497120	5395759		Mafic volcanic, dark green, fine grained, rust staining, less the 1% chalcopyrite, non-magnetic	0.004	0.0015	0.002	-0.5	7	71	54	510	1	48	0.32	48
287	340860	495615	5394658		Ultramafic-very fine grained, dark green, moderately rusty weathering, magnetic locally, 1-2% pyrrhotite, pyrite on fracture surface, trace pyrrhotite and chalcopyrite throughout	0.001	0.0104	0.005	-0.5	-5	121	1285	722	-1	598	0.85	51
288	340861	495648	5394591		Ultramafic-fine grained dark green color, slightly rusty weathering, slightly magnetic at pyrrhotite- no visible magnetite, 1-2% pyrrhotite locally, generally up to 1% pyrrhotite, trace chalcopyrite	0.009	0.0032	0.002	-0.5	5	135	1070	769	-1	1065	0.90	62
289	340862	495734	5394447		Mafic-volcanic-basalt? Fine grained, grey/green color, very slightly rusty weathering, non-magnetic, trace pyrite, chalcopyrite	0.005	0.0015	0.004	-0.5	-5	48	65	329	-1	35	0.15	112
290	340863	495544	5394320		Main South Zone: Melagabbro- fine grained, medium grey/green color, slightly rusty weathering, moderately magnetic, 1-2% disseminated pyrrhotite, chalcopyrite Note: 10m north of old trench	0.048	0.0749	0.218	1.1	-5	120	176	4180	-1	1180	1.65	124
291	340864	no sat			Mafic volcanic- fine grained grey color, very slightly rusty, highly magnetic -1% pyrite, chalcopyrite	0.012	0.0053	0.006	-0.5	-5	106	1020	730	-1	1090	0.51	94
292	340865	495654	5393796		Ultramafic- fine to medium grained, dark green color, very slightly rusted on weathered surface, 5% visible magnetite, highly magnetic no visible sulphides	0.001	0.0055	0.003	-0.5	-5	90	741	46	-1	836	0.02	134
293	340866	495754	5393619		Gabbro- medium grained, dark grey rusted throughout the matrix 30-40% plagioclase, non magnetic, trace + pyrite, chalcopyrite? -subcrop	0.008	0.0010	0.241	-0.5	-5	69	52	484	-1	232	0.53	86
294	340867	495922	5393535		Anorthosite- medium grained, white to very light grey color, minor rusty spots, non-magnetic, trace + chalcopyrite on fracture surface, trace pyrite- angular boulder beside outcrop	0.022	0.0012	0.001	-0.5	5	11	19	1045	-1	25	0.12	55
295	340868	495856	5393647		Gabbro- medium grained, grey color, moderately rusty throughout 20-30% plagioclase, non-magnetic, trace + pyrite, chalcopyrite	0.010	0.0006	0.001	-0.5	-5	40	38	237	-1	61	0.13	57
296	340869	495606	5394072		Gabbro- medium grained, dark grey color, non-magnetic, trace chalcopyrite	0.001	0.0027	0.002	-0.5	-5	41	70	25	-1	55	0.01	78
297	340870	495295	5394220		Main South Zone: Gabbro- fine grained medium to dark grey, moderate rusty weathering, slightly magnetic at pyrrhotite, up to 1% pyrrhotite, chalcopyrite locally, generally -1%- sub %	0.028	0.0687	0.163	-0.5	-5	63	61	1200	-1	307	0.52	140
298	340871	495327	5394211		Main South Zone: Melagabbro- mostly medium grained, dark grey color, very rusty weathering, strongly magnetic at pyrrhotite 2-4% disseminated to bleby pyrrhotite, -1% chalcopyrite Note: old trench previously not found on sampled.	0.005	0.0171	0.076	-0.5	-5	208	22	2030	-1	1640	2.95	75
299	340872	495327	5394211		Main South Zone: Melagabbro- same as 340871 (Trench 5m long)	0.009	0.0219	0.060	-0.5	-5	166	29	1705	-1	1260	1.89	90
300	340873	495339	5394208		Main South Zone: Gabbro to melagabbro, medium- to coarse-grained, dark grey color, highly rusty weathering, outer rind has very crumbly texture, rusty throughout matrix, strong magnetic at pyrrhotite, 2-4% disseminated to blebby pyrrhotite, lesser blebs chalcopyrite	0.031	0.0505	0.128	0.5	-5	114	34	3870	-1	1440	1.87	86
301	340874	495409	5394019		Gabbro- mostly fine grained, dark grey color, 30-40% partially recrystallized plagioclase, non-magnetic, trace pyrrhotite, chalcopyrite	0.004	0.0034	0.004	-0.5	-5	50	88	184	-1	80	0.04	87
302	340875	495692	5393536		Gabbro to leucogabbro, possible dyke, medium grained, rusty weathering, variable plagioclase, up to 90%, locally, non-magnetic, trace finely disseminated to coarse pyrite locally, trace chalcopyrite	0.023	0.0020	0.061	-0.5	-5	43	24	436	-1	157	0.49	26
303	340876	495328	5393986		Gabbro- altered fine grained, dark grey to black color, moderate surface rust, 10-15% recrystallized plagioclase, non-magnetic, trace pyrite?	0.001	0.0024	0.002	-0.5	5	43	78	111	-1	56	0.05	90
304	340877	495273	5394179		Main South Zone: Gabbro/pyroxenite, variable grained, fine matrix with coarse pyroxenes, dark grey to black color, variable plagioclase locally, possibly shallow dipping layer (north) with gabbro cap, up to 1% disseminated pyrrhotite, chalcopyrite locally	0.014	0.1035	0.269	-0.5	-5	56	31	796	-1	192	0.26	81
305	340878	494689	5393882		Pyroxenite- mostly fine grained with remnant coarse crystals dark green color, moderate rusty weathering, moderately magnetic, -1% pyrrhotite, pyrite, trace chalcopyrite-sub outcrop; weakly mineralized, but may be historically referred to as an occurrence	0.013	0.0077	0.009	0.5	-5	135	505	2080	-1	506	1.44	238
306	340879	494600	5393866		Pyroxenite- fine to medium grained, dark grey/green color, moderate rusty weathering, trace recrystallized plagioclase locally, moderately magnetic at pyrrhotite, -1% disseminated to slightly coarser pyrrhotite, trace chalcopyrite	0.004	0.0156	0.043	-0.5	-5	83	9	559	-1	356	0.45	83
307	340880	494592	5393833		Microgabbro- very fine grained light to medium grey color, 30-35% plagioclase, slightly to moderately magnetic at pyrrhotite, up to 1% disseminated pyrrhotite	0.011	0.0124	0.013	-0.5	-5	84	131	1830	-1	178	1.33	95
308	340861	494830	5393445		Gabbro- medium to very coarse grained, dark grey to black color, minor rusty weathering, non-magnetic, trace + disseminated to coarse pyrrhotite?	0.001	0.0044	0.008	-0.5	-5	29	126	198	-1	72	0.36	78
309	340882	494830	5393445		Gabbro- variable grained, dark grey/green color, shearing evident, brecciated looking locally, coarse plagioclase 10-30%, highly rusty weathering, moderately magnetic at pyrrhotite, up to 1% coarse pyrrhotite, pyrite trace blebs of chalcopyrite	0.002	0.0073	0.007	-0.5	-5	39	69	534	-1	92	1.03	99
310	340883	494827	5393446		Melagabbro- fine to medium grained, medium grey/green color, -10% plagioclase, locally, olivine rich, slightly magnetic at pyrrhotite, up to 1% fine disseminated pyrrhotite, trace chalcopyrite	0.002	0.0005	0.001	-0.5	-5	58	1350	350	-1	209	0.57	189
311	340884	495179	5393016		Gabbro- medium grained, medium grey color, moderate rusty weathering, 20% plagioclase, slightly magnetic at pyrrhotite, -1% pyrrhotite, pyrite trace chalcopyrite	0.001	0.0018	0.001	-0.5	-5	21	33	208	-1	27	0.45	36
312	340885	494993	5393346		Ultramafic- fine to medium grained, medium green color, mostly olivine, moderately magnetic- magnetite, minor surface rust, no visible sulphides	0.003	0.0016	0.047	-0.5	-5	54	791	27	-1	403	0.02	130

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn	
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
313	340886	494923	5391827		Gabbro- altered, fine grained, light grey color, shearing evident 40-50% plagioclase, slightly rusty weathering non-magnetic, trace + pyrrhotite	0.002	0.0041	0.065	-0.5	-5	76	124	411	-1	467	0.42	297	
314	340887	494770	5392137		Pyroxenite- fine grained, medium grey color, minor surface rust, very strongly magnetic-magnetite- 1 large crystal present, altered olivine locally, trace + pyrrhotite and chalcopyrite locally	0.001	-0.0005	0.002	-0.5	-5	62	76	221	-1	56	0.17	130	
315	340888	494734	5392182		Pyroxenite; fine- to medium grained, dark grey color, minor rusty weathering, moderately magnetic, rock layer is shallow dipping to north at -50 degrees, trace + pyrrhotite, trace chalcopyrite	0.002	-0.0005	0.001	-0.5	-5	72	8	282	1	71	0.21	63	
316	340889	494716	5392204		Pyroxenite- medium grained, dark grey/green color moderately rusty weathering, slightly magnetic at pyrrhotite, up to 1% fine disseminated pyrrhotite, chalcopyrite, trace + pendlandite?	0.001	-0.0005	0.001	-0.5	-5	71	11	557	-1	91	0.68	94	
317	340890	494629	5392348		Melagabbro; mostly medium-grained with coarse pyroxenes, dark green color, rusty weathering, slightly magnetic, up to 1% disseminated to coarse pyrrhotite, trace + chalcopyrite	0.001	-0.0005	-0.001	-0.5	-5	43	20	507	1	60	0.71	54	
318	340891	494196	5393102		Gabbro- medium to coarse grained, dark grey/green color, moderate rusty weathering 30-40% plagioclase, non-magnetic, up to 1% coarse pyrite, trace pyrrhotite, chalcopyrite	0.001	0.0022	0.006	-0.5	-5	44	81	563	190	62	1.23	75	
319	340892	494191	5393103		Gabbro- mostly medium grained, light to dark grey color, extremely rusty weathering, non-magnetic variable plagioclase- 30-60%, 1% fine to coarser pyrite, generally -1% pyrrhotite, pyrite, chalcopyrite Note: old blast trench or side of hill.	0.010	0.0005	0.006	-0.5	-5	40	45	1148	1	124	0.90	51	
320	340893	494402	5393241		Anorthosite? Fine to medium grained plagioclase, white to light grey color, moderate rusty surface non-magnetic, trace + fine disseminated pyrite, trace chalcopyrite	0.002	-0.0005	0.001	-0.5	-5	14	34	289	-1	21	0.14	12	
321	340894	494415	5393744		<b>Grassy Portage West Occurrence:</b> Gabbro - medium grained, medium to dark grey/green color, slightly rusty weathering, slightly magnetic at pyrrhotite, 15% plagioclase, up to 1% chalcopyrite, pyrrhotite, 2% locally on fractured face	0.089	<b>0.2430</b>	<b>0.619</b>	1.1	<b>30</b>	81	27	<b>3950</b>	-1	931	0.67	109	
322	340895	494507	5393350	92+00	46+75	Melagabbro to feldspathic pyroxenite, medium grained, dark grey/green color, rusty weathering, <10% medium to coarse plagioclase locally, up to 1% pyrrhotite locally, generally 1%, trace chalcopyrite	0.003	0.0019	0.004	-0.5	-5	43	88	299	7	70	0.57	95
323	340896	494562	5393321	92+40	46+25	GABBRO - medium to coarse grained, dark grey to black color, moderate rusty weathering, 30% plagioclase, non-magnetic, trace + disseminated pyrrhotite, pyrite trace chalcopyrite	0.002	0.0033	0.009	-0.5	-5	23	29	250	24	67	0.46	76
324	340897	497897	5393543		LEUCOGABBRO to ANORTHOSITE - altered fine grained, light grey to white color, remnant biotite, slightly rusty weathered surface, slightly magnetic locally at pyrrhotite, -1% fine disseminated pyrrhotite	0.002	-0.0005	-0.001	-0.5	<b>27</b>	20	30	530	<b>42</b>	8	2.16	13	
325	340898	497897	5393543		LEUCOGABBRO - variable grained - fine to coarse, light grey/green to black color, biotite and recrystallized hornblende?, slightly rusty weathering, slightly magnetic at pyrrhotite, 2-3% disseminated to bleby pyrrhotite, lesser amounts pyrite, trace chalcopyrite	0.002	-0.0005	-0.001	-0.5	-5	26	21	384	1	13	1.20	74	
326	340899	497879	5393543		LEUCOGABBRO - fine to medium grained, light grey/green to black color, altered fine hornblende, minor rusty weathering, non-magnetic, 3-5% chalcopyrite, pyrrhotite, pyrite? on fracture face, generally -1%	0.002	-0.0005	-0.001	-0.5	-5	31	29	523	2	14	1.14	57	
327	340900	497897	5393543		Melagabbro to feldspathic pyroxenite; weakly altered fine grained, dark grey/black color, <10% plagioclase locally, recrystallized biotite, hornblende, olivine, visible magnetite - very magnetic and heavy, no visible sulphides	0.001	-0.0005	0.001	-0.5	-5	20	9	40	<b>28</b>	33	0.16	255	
328	340901	495931	5392515		Gabbro- medium to coarse grained, dark green color, magnetic, -1% chalcopyrite, pyrrhotite	0.002	0.0006	0.006	-0.5	-5	71	25	654	-1	66	1.07	214	
329	340902	494934	5393966		<b>Beaver Pond Zone:</b> Gabbro- very coarse grained, dark grey color, lightly rust stained, non-magnetic, 1% chalcopyrite, pyrite	0.032	<b>0.1015</b>	<b>0.435</b>	-0.5	-5	60	74	<b>1435</b>	-1	379	0.49	77	
330	340903	494935	5393528		Gabbro- medium to coarse grained, grey color, highly magnetic with visible magnetite, -1% pyrite, trace chalcopyrite	-0.001	0.0050	0.007	-0.5	-5	58	691	23	-1	606	0.02	84	
331	340904	494889	5392114		Gabbro; coarse grained, dark green color, rusty, highly magnetic, trace pyrite, chalcopyrite	0.003	-0.0005	0.001	-0.5	-5	56	15	415	7	71	0.33	48	
332	340905	495125	5392121		Gabbro- fine grained, grey color, rusty staining, slightly magnetic, -1% chalcopyrite, pyrite	0.001	0.0005	0.005	-0.5	-5	70	8	465	-1	93	0.68	128	
333	340906	494436	5393742	83+00	51+65	<b>Grassy Portage West Occurrence:</b> Gabbro - coarse grained, dark green color, moderate to strong rusty weathering throughout, non-magnetic, -1% chalcopyrite	0.072	<b>0.1160</b>	<b>0.233</b>	0.8	5	64	18	<b>2490</b>	-1	430	0.37	80
334	340907	494415	5393716		<b>Grassy Portage West Occurrence:</b> Gabbro - very coarse grained, dark green color, rusty throughout matrix, -1% disseminated chalcopyrite, malachite staining	0.080	<b>0.1600</b>	<b>0.264</b>	0.5	-5	52	62	<b>1625</b>	-1	372	0.28	82	
335	340908	494538	5393208	92+00	45+15	GABBRO - fine grained, dark grey color, rusty weathering, non-magnetic, 2% chalcopyrite and pyrite	0.003	0.0012	0.002	-0.5	14	144	135	878	1	<b>1315</b>	1.45	49
336	340909	494184	5392147	83+00	37+90	GABBRO - medium to coarse grained, grey color, rusty weathering, non-magnetic, -1% pyrrhotite and chalcopyrite	0.005	-0.0005	0.002	-0.5	<b>29</b>	60	8	472	-1	166	0.30	53
337	340910	494215	5392097	83+00	37+05	GABBRO - medium to coarse grained, grey color, rusting weathering, slightly magnetic, <1% pyrrhotite and chalcopyrite	0.004	-0.0005	0.001	-0.5	-5	63	12	293	1	62	0.21	67
338	340911	494266	5392008	83+00	36+35	GABBRO - medium to coarse grained, rusty weathering, slightly magnetic, 1% disseminated chalcopyrite, trace pyrrhotite	0.011	-0.0005	-0.001	-0.5	-5	56	13	729	1	82	0.18	49
339	340912	494426	5392145	85+15	36+75	GABBRO - medium to coarse grained, dark grey color, rusty weathering, non-magnetic, <1% chalcopyrite, trace pyrrhotite	0.003	-0.0005	0.002	-0.5	14	60	15	583	-1	122	0.22	38
340	340913	494442	5392093	85+00	36+22	GABBRO - medium to coarse grained, dark grey color, highly magnetic, rusty weathering, 1% chalcopyrite, pyrrhotite present	0.004	-0.0005	0.001	-0.5	29	92	12	573	3	156	0.58	72
341	340914	494620	5392205	87+05	36+25	GABBRO - fine grained, dark grey color, rusty weathering, non-magnetic, <1% disseminated chalcopyrite, trace pyrrhotite	0.007	0.0007	0.002	-0.5	-5	68	17	528	1	77	0.26	69
342	340917	495333	5392138	83+00	33+00	GABBRO - fine grained, dark grey color, rusty texture, slightly magnetic, <1% disseminated chalcopyrite, some pyrite present	0.007	-0.0005	0.001	-0.5	7	60	11	843	-1	89	0.18	391
343	340918	496230	5392798	104+00	33+35	GABBRO - fine grained, dark green color, rust stained throughout moderately magnetic, 1% chalcopyrite with trace pyrrhotite	0.021	-0.0005	0.005	1.1	12	104	6	<b>2400</b>	4	377	1.09	198
344	340919	496296	5393081	106+00	35+45	GABBRO - fine grained, dark grey/green color, rust staining, non-magnetic, <1% chalcopyrite, trace pyrrhotite	0.011	-0.0005	0.002	-0.5	-5	45	6	601	2	93	0.16	189

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Sample Number	Location (UTM)		Location (grid)		Sample Description	Au ppm	Pt ppm	Pd ppm	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	Mo ppm	Ni ppm	S %	Zn ppm	
	Easting	Northing	Easting	Northing														
345	340920	496567	5393199	109+00	35+23	GABBRO, fine grained, dark grey color, rusty weathering, slightly magnetic, <1% chalcopryite, trace pyrrhotite	0.001	-0.0005	0.009	-0.5	5	64	13	255	1	59	0.17	147
346	340921	496474	5393381	109+00	37+17	GABBRO - fine grained, grey color, rusty staining, non-magnetic, -1% chalcopryite, trace pyrrhotite	0.005	-0.0005	0.001	-0.5	11	56	20	392	-1	84	0.15	119
347	340922	497231	5393257	115+00	32+30	<b>L115E Occurrence:</b> GABBRO ? - fine grained, black and white color, rusty texture, non-magnetic, pyrrhotite? <5-10% trace chalcopryite	<b>0.252</b>	-0.0005	0.007	-0.5	<b>&gt;10000</b>	<b>649</b>	67	41	1	42	4.35	71
348	340923	496127	5394770	113+00	50+92	Gabbro, fine grained, dark grey color, rusty throughout, non-magnetic, <1% pyrrhotite	0.002	0.0211	0.002	-0.5	-5	33	56	106	-1	52	0.36	111
349	340924	496053	5394904	113+00	52+47	Gabbro - fine grained, light grey color, rusty, visible magnetite - highly magnetic, -1% pyrrhotite, chalcopryite and trace malachite	0.003	0.0077	0.007	-0.5	-5	99	1040	102	-1	1215	0.03	71
350	340926	495981	5394944			Mafic Volcanic - fine grained, dark grey, rust stained, non-magnetic, -1% chalcopryite and pyrrhotite	0.001	0.0090	0.006	-0.5	-5	91	1340	243	3	494	0.83	153
351	340927	495997	5934795	120+00	51+85	Gabbro - fine grained, grey color, rust stained, non-magnetic, <1% chalcopryite, pyrrhotite, trace malachite staining	0.007	0.0070	0.006	-0.5	6	51	172	419	1	445	0.07	98
352	340928	495996	5394817	112+00	51+85	Gabbro - fine grained, grey color, rusty, non-magnetic, -1% chalcopryite, pyrrhotite, malachite staining	0.004	0.0076	0.005	-0.5	-5	47	166	332	-1	331	0.05	98
353	340929	496310	5395033	115+80	52+35	<b>East Footwall Zone:</b> Gabbro - fine grained, grey color, rusty, slightly magnetic, -2% chalcopryite, pyrrhotite (excellent site)	0.154	0.0075	0.130	0.8	<b>838</b>	<b>434</b>	1240	<b>4490</b>	1	<b>1685</b>	1.47	86
354	340930	496417	5395155	117+70	52+20	Mafic Volcanic - fine grained, grey color, rust stained, highly magnetic - visible magnetite abundant, -1% pyrrhotite, no chalcopryite visible	0.005	0.0051	0.005	-0.5	115	87	1220	29	1	895	0.05	53
355	340931	496472	5395180	118+00	52+78	Mafic Volcanic - fine grained, dark grey/green color, rusty, non-magnetic, -1% chalcopryite, pyrrhotite	0.002	-0.0005	-0.001	-0.5	8	70	30	256	1	501	0.22	52
356	340932	496593	5395184	119+10	52+25	<b>Powerline 4 Zone:</b> Mafic Volcanic - fine grained, grey color, 2% chalcopryite, pyrrhotite, malachite stained throughout - non-magnetic	<b>0.354</b>	0.0018	0.002	-0.5	-5	61	44	<b>6990</b>	1	39	0.52	80
357	340933	496594	5395185	119+10	52+26	<b>Powerline 4 Zone:</b> Mafic Volcanic - fine grained, dark grey color, rusty, non-magnetic, -2% chalcopryite, pyrrhotite, trace magnetite - last rock under hydro line	0.176	0.0015	0.001	0.8	-5	95	35	<b>13000</b>	7	200	1.32	75
358	340934	496551	5395225	119+00	52+75	<b>Powerline 2 Zone:</b> Mafic Volcanic - fine grained, very rusty, grey color, slightly magnetic, 1% pyrrhotite, trace chalcopryite	0.004	0.0005	0.001	-0.5	6	187	102	<b>1255</b>	3	<b>944</b>	1.93	<b>44</b>
359	340935	496617	5395139	119+15	51+75	<b>Powerline 5 Zone:</b> Mafic Volcanic - fine grained dark color, slightly rusted, not magnetic, 1% pyrrhotite, chalcopryite, trace malachite	0.051	0.0027	0.014	0.7	-5	64	47	<b>1595</b>	<b>5080</b>	41	0.46	53
360	340936	496766	5395105	120+20	50+85	Gabbro - fine grained, grey color, rusty, non-magnetic, -1% chalcopryite, trace malachite	0.003	0.0073	0.007	-0.5	-5	46	30	436	16	93	0.03	63
361	340937	496769	5395143	120+35	51+00	<b>Powerline 1 Zone:</b> Gabbro - fine grained, light grey color, non-magnetic, 1% chalcopryite, pyrrhotite, trace malachite	0.037	<b>0.1100</b>	0.016	0.8	<b>38</b>	84	85	<b>2340</b>	10	209	0.34	84
362	340938	496948	5395290	122+50	51+00	<b>Powerline 3 NE Occurrence:</b> Gabbro - fine grained, dark grey/brown color, rusty, non-magnetic, trace chalcopryite	0.053	0.0540	0.081	0.8	13	65	36	<b>2820</b>	1	305	0.09	113
363	340939	497142	5394859	122+20	48+75	Gabbro - fine grained, grey color, rusty, non-magnetic, >1% chalcopryite, trace malachite staining	0.037	0.0015	0.002	-0.5	-5	35	124	<b>1870</b>	2	97	0.37	43
364	340940	497623	5394577	125+00	41+73	Gabbro - medium to coarse grained, dark grey color, rusty throughout, non-magnetic, >1% chalcopryite, pyrrhotite	0.004	0.0006	0.002	-0.5	-5	55	38	356	2	90	0.15	179
365	340941	497751	5394580	126+00	41+15	Gabbro - medium to coarse grained, grey/green color, rusty, >1% chalcopryite, pyrrhotite, non-magnetic	0.003	0.0008	0.003	-0.5	-5	54	12	388	1	91	0.38	185
366	340942	496457	5394602	115+00	47+90	Gabbro - very coarse grained, black and white color, slightly rusty, non-magnetic, trace chalcopryite, pyrrhotite	0.003	0.0094	0.017	-0.5	7	47	68	88	-1	66	0.03	80
367	340943	496477	5394551	115+00	47+42	Gabbro - very coarse grained, dark grey color, slightly rusty, non-magnetic, >1% chalcopryite, pyrrhotite	0.001	0.0028	0.003	-0.5	-5	48	69	57	-1	62	0.06	86
368	340944	496555	5394438	115+00	45+85	Gabbro - fine grained, grey color, slightly rusty, non-magnetic, >1% chalcopryite	0.003	0.0023	0.001	-0.5	-5	45	89	248	1	45	0.04	85
369	340945	496680	5394350	115+80	45+00	Gabbro, fine grained, rust stained, highly magnetic, visible magnetite, dark grey color, trace chalcopryite	0.001	0.0023	0.001	-0.5	-5	61	132	15	-1	520	-0.01	85
370	340946	497134	5394018	118+00	39+40	Gabbro - very coarse grained, black and white color, slightly rusty, non-magnetic, trace chalcopryite	0.002	0.0010	-0.001	-0.5	-5	29	8	216	-1	43	0.03	65
371	340947	497161	5393977	118+00	38+88	Gabbro - fine grained, grey color, slightly rusted, non-magnetic, >1% chalcopryite	0.007	0.0019	0.002	-0.5	-5	40	12	305	-1	57	0.03	153
372	340948	497230	5393892	118+10	37+65	Gabbro - altered fine to medium grained, dark grey to black color, 10-20% plagioclase, minor fracture, rust, magnetic at pyrrhotite, biotite and olivine present, 2% disseminated pyrrhotite, chalcopryite	0.001	0.0013	0.002	-0.5	-5	60	14	246	-1	156	0.35	126
373	340949	497214	5393890	118+00	37+90	Melgabbro - fine to medium grained, dark grey to black color, moderately rusty throughout, magnetic at pyrrhotite, -1% chalcopryite and pyrrhotite, 2-5% chalcopryite on fracture	0.008	-0.0005	0.001	-0.5	-5	59	13	881	1	61	0.47	122
374	340950	497169	5393757	117+00	37+00	<b>L117E South Occurrence:</b> Gabbro - coarse grained, grey color, slightly rusty, non-magnetic, 2% chalcopryite with pyrrhotite present	0.021	0.0007	0.001	1.6	-5	57	6	<b>3720</b>	10	88	0.35	289
375	340951	494135	5392231	88+00	38+97	GABBRO - fine grained, medium to dark grey green color, moderate rusty weathering, slightly magnetic, locally at pyrrhotite, minor olivine locally, -1% pyrrhotite, trace chalcopryite	0.001	0.0005	0.001	-0.5	<b>176</b>	55	90	496	-1	82	0.49	64
376	340952	494135	5392231	83+00	38+97	Quartz Vein - medium to coarse recrystallized glossy quartz vein next to gabbro from sample 340951, reddish orange staining, large coarse chalcopryite crystals locally, -1% generally	0.011	-0.0005	0.001	0.5	<b>160</b>	2	127	<b>2210</b>	1	5	0.25	6
377	340953	494197	5392132	83+00	37+75	MELAGABBRO - fine grained, dark grey/green color, moderate rusty weathering, magnetic at pyrrhotite, -10% plagioclase locally, -1% disseminated to small blebs, pyrrhotite, chalcopryite	0.004	-0.0005	0.002	-0.5	-5	48	20	445	-1	82	0.37	67
378	340954	494251	5392029	83+00	36+54	MELAGABBRO to GABBRO - fine grained, dark grey/green color, moderate rusty weathering, magnetic at pyrrhotite, variable plagioclase, -1% pyrrhotite and chalcopryite more locally on fracture surface	-0.001	-0.0005	0.001	-0.5	12	63	24	249	4	103	0.15	48
379	340955	494277	5392174	84+00	37+75	MELAGABBRO - fine grained, dark grey/green color, slightly rusty weathering, moderately magnetic at pyrrhotite, trace + plagioclase, -1% disseminated to patchy pyrrhotite, chalcopryite	-0.001	-0.0005	0.001	-0.5	5	69	16	469	-1	143	0.68	85
380	340956	494529	5392132	86+00	36+12	MELAGABBRO - fine to medium grained, dark grey color, generally -10% plagioclase, highly rusty weathering, very strong magnetic - visible magnetite, trace + pyrrhotite, chalcopryite	-0.001	0.0005	0.001	-0.5	21	78	44	544	1	163	0.26	52
381	340960	495522	5393157	98+67	50+00	GABBRO - medium to coarse grained, light grey to white color, up to 50% plagioclase, rusty throughout matrix, non-magnetic, up to 1% pyrrhotite locally, generally -1%, trace chalcopryite	0.002	0.0033	0.001	-0.5	10	69	18	457	-1	166	0.96	34
382	340961	496274	5392725	104+00	32+50	MELAGABBRO - medium grained, dark grey/green color, moderate rusty weathering, slightly magnetic at pyrrhotite, -1% pyrrhotite and chalcopryite	0.006	-0.0005	0.001	-0.5	17	93	13	707	-1	82	0.35	111

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn	
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
383	340962	496232	5392767	103+85	33+08	MICRO MELAGABBRO - very fine grained, medium grey color, trace + plagioclase, slightly rusty weathering, magnetic at pyrrhotite, -1% disseminated pyrrhotite, chalcopyrite	-0.001	-0.0005	0.002	-0.5	-5	74	20	327	-1	96	0.42	131
384	340963	496259	5392954	105+00	34+60	GABBRO, highly altered, fine grained, medium grey, strongly rusty, very strongly magnetic, 5-10% visible magnetite, garnet alteration, 30% plagioclase + olivine, trace pyrrhotite (see sample #24819)	0.003	-0.0005	0.001	-0.5	-5	89	15	246	2	67	0.36	512
385	340964	496259	5392954	105+00	34+60	GABBRO - highly altered fine grained, medium grey to rusty brown color, rusty throughout matrix, layering evident, 40% visible magnetite-external, magnetic top layer of 340963, trace pyrrhotite	0.096	-0.0005	0.010	-0.5	-5	43	27	97	1	16	0.08	463
386	340965	496189	5393080	105+00	36+02	GABBRO - mostly medium grained, some larger pyroxenes locally, variable plagioclase up to 60% locally, minor rustiness along fractures, minor olivine alteration, weakly magnetic, <1% disseminated pyrrhotite, chalcopyrite	0.012	0.0006	0.013	-0.5	15	37	17	1448	-1	102	0.30	40
387	340966	496070	5393203	104+60	37+50	<b>Fault Occurrence:</b> Gabbro - fine to medium grained, medium grey color, moderate rusty fractures and in matrix, locally variable plagioclase, non-magnetic, minor olivine, locally 1-2% disseminated chalcopyrite - mostly associated with higher plagioclase areas, trace pyrrhotite	0.138	0.0008	0.046	1.6	-5	45	21	6960	3	149	0.96	49
388	340967	496070	5393203	104+60	37+50	<b>Fault Occurrence:</b> Gabbro - fine to medium grained, darker grey color, slightly rusty fractures, non-magnetic, 30% plagioclase, 1-2% pyrrhotite, lesser chalcopyrite (adjacent to Sample 340966)	0.059	0.0020	0.024	0.7	-5	77	33	3770	-1	410	1.89	36
389	340968	496311	5393421	107+85	38+35	LEUCOGABBRO - medium grained, light grey to white color, up to 80+% plagioclase, moderately rusty fractures, magnetic at pyrrhotite, 1-2% disseminated pyrrhotite, chalcopyrite	0.014	0.0010	0.001	-0.5	-5	29	24	997	-1	80	0.35	44
390	340969	496324	5393427	107+96	38+35	LEUCOGABBRO - mostly medium grained, light grey to white color, 60% medium to coarse plagioclase, minor fracture rust magnetic at pyrrhotite, -1% disseminated to large patch pyrrhotite, trace chalcopyrite	-0.001	0.0005	0.001	-0.5	-5	13	20	93	-1	27	0.07	31
391	340970	496383	5393300	108+10	37+06	GABBRO - medium to coarse grained, light grey color, up to 50% plagioclase, non-magnetic, -1% chalcopyrite, trace pyrrhotite	0.006	0.0014	0.001	-0.5	-5	25	15	556	-1	38	0.08	37
392	340971	496492	5393936	112+00	41+85	ULTRAMAFIC - fine to medium grained, light green color, rusty in fractures, sheared, strongly magnetic, 1-2% visible magnetite, 40% olivine, no visible sulphides	-0.001	0.0030	0.004	-0.5	-5	39	796	124	-1	95	0.05	292
393	340972	496751	5393577			GABBRO - fine to medium grained, dark grey color, moderately rusty fractures variable plagioclase, up to 50%, non-magnetic, trace + pyrrhotite, chalcopyrite	-0.001	0.0009	0.004	-0.5	-5	45	15	222	-1	112	0.22	58
394	340973	496354	5394857			Melagabbro - fine grained, dark grey color slightly magnetic at pyrrhotite, slightly rusty on fracture surface, minor malachite staining, up to 1% disseminated pyrrhotite and chalcopyrite	0.005	0.0087	0.045	-0.5	6	69	65	568	-1	163	0.05	52
395	340974	496151	5394907			<b>East Footwall Zone:</b> Melagabbro - fine to medium grained, dark grey/black color, moderately rusty throughout, non-magnetic, 1-2% chalcopyrite, trace pyrite	0.679	0.0094	0.630	-0.5	6040	211	1485	7990	-1	3290	0.91	52
396	340975	496232	5394794	114+00	50+65	Mafic Volcanics - fine to medium grained, grey color, slightly rusty in weathered surface, non-magnetic, <1% chalcopyrite	0.017	0.0038	0.065	-0.5	12	59	66	628	2	153	0.05	108
397	340976	496253	5394756	114+00	50+25	<b>East Zone:</b> Gabbro - fine to medium grained, medium grey/white color, up to 40% locally partially recrystallized plagioclase altered olivine noted, very rusty, weathering and fractures, non-magnetic, up to 1% locally disseminated chalcopyrite, pyrrhotite, generally <1%	0.005	0.8130	0.053	-0.5	24	67	58	698	7	305	0.58	35
398	340977	496262	5394755	114+10	50+25	<b>T-1 Footwall Zone:</b> Melagabbro/pyroxenite? - fine- to medium-grained, moderate to highly rusty throughout, 1-2% chalcopyrite - sub crop	0.086	0.1030	0.143	0.6	8	55	24	2360	-1	162	0.28	72
399	340978	496301	5394714	114+40	50+00	<b>East Zone:</b> Gabbro - medium grained, moderately rusty throughout matrix, non-magnetic, 10-20% plagioclase, no visible sulphides	0.003	0.1415	0.065	-0.5	8	24	40	260	1	125	0.13	40
400	340979	496436	5394866	116+25	50+35	Gabbro - medium grained, grey color, moderately rusty throughout, non-magnetic, up to 2% pyrrhotite and chalcopyrite locally	0.002	0.0683	0.021	-0.5	7	50	113	340	1	246	0.36	41
401	340980	496365	5395004	116+25	51+90	<b>East Footwall Zone:</b> Mafic Volcanic - fine grained, medium grey color, non-magnetic, very slightly rusted on fracture surface, 2% chalcopyrite locally	0.041	0.0038	0.049	0.5	-5	55	69	1940	2	113	0.23	96
402	340981	496323	5395025	116+00	52+21	<b>East Footwall Zone:</b> Mafic Volcanic - fine grained, medium grey colour, moderate rusty weathering, non-magnetic, 2-3% chalcopyrite and pyrite locally on fracture surface, generally trace +	0.037	0.0011	0.011	-0.5	321	140	39	1120	-1	810	1.79	230
403	340982	496303	5395037	115+85	52+35	<b>East Footwall Zone:</b> Melagabbro - fine to medium grained, dark grey color, non-magnetic, moderately rusted on fracture surface, chalcopyrite veining along fracture surfaces, 1/2 -1cm thickness in places, -1% chalcopyrite disseminated throughout	0.172	0.0062	0.041	4.3	-5	72	936	26400	-1	340	2.55	97
404	340983	496338	5395041	116+25	52+00	<b>East Footwall Zone:</b> Melagabbro - fine grained, light grey color, non-magnetic, slightly rusted on fracture surface, 2-5% chalcopyrite and pyrrhotite	0.069	-0.0005	0.002	0.9	32	89	98	4670	1	473	1.11	124
405	340984	496330	5395061	116+35	52+20	Ultramafic Volcanic (?) - fine grained, dark green color, magnetic-magnetite present, highly rusted throughout, trace chalcopyrite, pyrite and pyrrhotite	0.005	0.0056	0.004	-0.5	7	142	1395	657	1	1010	0.87	89
406	340985	496489	5395179	118+20	52+75	<b>Powerline 2 Zone:</b> Mafic Volcanic - fine grained, light to dark grey color, magnetic at pyrrhotite, moderately rusted throughout, 2% chalcopyrite and pyrrhotite	0.409	0.0007	0.009	-0.5	61	131	119	7680	1	555	1.93	58
407	340986	496606	5395194	119+00	52+25	<b>Powerline 4 Zone:</b> Mafic Volcanic - fine grained, grey color, non-magnetic, highly rusted on weathered surface, 10% chalcopyrite on weathered surface, trace of chalcopyrite throughout	0.132	0.0052	0.003	1.8	9	61	45	9600	-1	54	1.01	38
408	340987	496579	5395176	119+00	52+20	<b>Powerline 4 Zone:</b> Mafic Volcanic - fine grained, grey color, non-magnetic, slightly rusted, 2-5% chalcopyrite locally, slight malachite staining	0.368	0.0071	0.009	1.1	-5	65	46	13400	27	103	1.23	55
409	340988	496555	5394972	117+80	50+60	<b>T-1 Footwall Zone:</b> Gabbro/pyroxenite?; fine- to medium-grained, grey, non-magnetic, variably rusty, 1-2% chalcopyrite disseminated throughout, 10-15% locally, moderate malachite staining	0.245	0.6660	0.096	9.5	7	101	71	24300	-1	337	2.14	80
410	340989	496610	5395245	119+00	52+75	<b>Powerline 2 Zone:</b> Mafic Volcanic - very fine grained, grey/green color, non-magnetic, moderately rusted on weathered surface, -1% pyrite and chalcopyrite disseminated throughout	0.007	0.0078	0.010	-0.5	9	53	498	1430	-1	145	0.84	213
411	340990	496592	5395224	119+20	52+75	<b>Powerline 2 Zone:</b> Mafic Volcanic - fine grained, grey color, non-magnetic, very slightly rusted, trace chalcopyrite, up to 2% chalcopyrite in small quartz veining, moderate malachite staining at chalcopyrite	0.035	0.0022	0.002	-0.5	-5	66	33	2820	-1	36	0.10	42



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Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn	
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
412	340991	496621	5395147	119+15	51+75	<b>Powerline 5 Zone:</b> Mafic Volcanic - fine grained, dark grey color, non-magnetic, moderately rusted, 1-2% chalcopyrite disseminated throughout, 10-15% chalcopyrite in places on surface, moderate malachite staining, subcrop	0.527	0.0025	0.004	2.2	12	49	42	11100	48	29	1.05	39
413	340992	496747	5395122	120+20	51+00	<b>Powerline 1 Zone:</b> Melagabbro - medium to coarse grained, dark grey color, moderately rusted throughout matrix, highly altered, non-magnetic, 2% chalcopyrite	0.087	0.2130	0.050	0.9	7	84	112	3300	3	262	0.93	85
414	340993	496736	5393529	112+00	37+15	Melagabbro - medium grained, dark grey/green color, non-magnetic, trace rustiness, >1% disseminated chalcopyrite and pyrrhotite	0.004	0.0017	0.001	-0.5	-5	28	13	172	-1	36	0.03	70
415	340999	496282	5394687	113+90	49+30	Gabbro - medium grained, light to dark grey color, non-magnetic, very slightly rusted on fracture surface, trace chalcopyrite and pyrrhotite	0.001	0.0024	0.002	-0.5	-5	41	31	113	-1	40	0.07	72
416	341000	496346	5394653	114+20	48+80	Gabbro - medium grained, grey color, non-magnetic, very slightly rusted on fracture surface, trace biofite, >1% pyrrhotite trace chalcopyrite	0.001	0.0028	0.003	-0.5	-5	48	32	80	-1	44	0.06	52
417	341001	496326	5394634	114+02	48+80	Gabbro - mostly medium grained, grey to black color, 15% plagioclase, minor rust, fracture weathering, slightly magnetic at pyrrhotite, hornblende/biotite matrix, trace blebs chalcopyrite, trace pyrrhotite	0.011	0.0019	0.002	-0.5	5	54	43	364	-1	48	0.33	78
418	341002	496485	5394418	114+30	46+00	Leucogabbro - medium grained, grey color, non-magnetic, very slightly rusted throughout matrix, trace chalcopyrite and malachite	0.002	0.0033	0.005	-0.5	-5	10	17	97	-1	12	0.01	20
419	341003	496545	5394255	114+00	44+32	<b>T-9 Occurrence:</b> Melagabbro/pyroxenite, coarse grained, dark grey/black to rusty brown color, strongly rusty, non-magnetic, high grade chalcopyrite seam within the gabbro, 2-4% chalcopyrite	0.076	-0.0005	0.007	2.7	6	81	126	12600	3	274	1.47	69
420	341004	496827	5393749	113+96	38+60	Gabbro - medium to coarse grained, light to dark grey color, minor rusty patches within matrix, non-magnetic, up to 50% plagioclase, trace of disseminated chalcopyrite, pyrrhotite	0.003	0.0015	0.014	-0.5	-5	27	12	339	-1	68	0.05	37
421	341005	496681	5393809	113+00	39+90	Leucogabbro to Anorthosite - coarse grained, grey to white color, rusty fractures, non-magnetic, trace + pyrrhotite, pyrite	0.001	0.0005	0.001	-0.5	10	34	30	67	-1	80	0.07	151
422	341007	489348	5392412			IRON FORMATION - fine-grained, medium grey colour, sheared and foliated, moderately rusty weathering, slightly magnetic; 1-2% pyrite	0.003	0.0005	0.001	<0.5	13	11	110	254	<1	24	0.95	197
423	341008	489348	5392412			QUARTZ/SERICITE SCHIST - recrystallized fine-grained quartz, mostly white color, highly rusty weathering, minor sercite, strongly magnetic - magnetite; 4-5% disseminated coarse pyrite	0.019	0.0009	0.001	<0.5	<5	186	18	113	<1	20	9.41	53
424	341009	489348	5392412			SERICITE/QUARTZ SCHIST - recrystallized fine-grained, rusty yellow/brown white colour, minor chlorite, strong rusty weathering, magnetic locally fine magnetite; <1% disseminated pyrite	0.012	<0.0005	0.001	<0.5	12	2	49	100	<1	4	0.33	73
425	341010	489353	5392338			<b>Sims Station Occurrence:</b> SERICITE SCHIST - fine-grained, yellow/green colour, strongly sheared, rusty weathering, strongly magnetic-magnetite; 15-20% coarse disseminated pyrite	0.022	0.0051	0.002	<0.5	29	471	223	1420	1	26	>10.0	243
426	341011	489353	5392338			<b>Sims Station Occurrence:</b> Iron Formation - very fine-grained, grey colour, very strong rusty weathering, extremely magnetic-magnetite; semi-massive to massive pyrite <1% chalcopyrite	0.020	0.0016	0.001	2.5	7	57	73	16800	2	247	>10.0	332
427	341012	489417	5392338			<b>Sims Station Occurrence:</b> Iron Formation - very fine-grained, dark grey colour, strong rusty weathering, strongly magnetic, minor banding evident, sulphides tarnished to red, purple, blue, green; 20-30% pyrite, trace chalcopyrite?; Old Blast Pit	0.023	0.0039	0.003	<0.5	<5	370	49	5280	1	308	>10.0	83
428	341013	489417	5392338			<b>Sims Station Occurrence:</b> Iron Formation, fine-grained, dark grey colour, very rusty, sheared, minor sercite noted, strongly magnetic; 15-20% disseminated coarse pyrite, 1% chalcopyrite; Old Blast Pit	0.021	0.0025	0.006	<0.5	10	175	44	5010	2	151	>10.0	298
429	341014	489417	5392338			<b>Sims Station Occurrence:</b> Iron Formation - very fine-grained, dark grey colour, strong rusty weathering, very strongly magnetic with magnetite, semi-massive to massive pyrite; Old Blast Pit	0.009	0.0010	0.001	<0.5	10	55	104	3220	4	233	>10.0	223
430	341015	489519	5392336			MICROGABBRO? - fine-grained, medium grey/green colour, moderate rusty weathering, recrystallized plagioclase, slightly magnetic, trace pyrite	0.004	0.0064	0.009	<0.5	5	65	149	506	<1	80	0.87	42
431	341016	489266	5392293			ULTRAMAFIC - fine-grained, dark grey/green colour, slightly rusty weathering, white recrystallized olivine, moderately magnetic; 2% disseminated pyrite	0.003	0.0090	0.012	<0.5	<5	37	238	321	<1	104	1.89	48
432	341017	489291	5392325			QUARTZ/SERICITE/BIOTITE SCHIST - fine-grained, light grey to yellow white colour, minor biotite, minor rusty weathering, magnetic locally, trace pyrite	0.002	0.0018	0.006	<0.5	7	16	129	231	<1	39	0.72	37
433	341018	488429	5392272			QUARTZ/SERICITE/BIOTITE SCHIST - fine-grained, light to medium grey colour, moderate rusty weathering, moderately magnetic, garnets noted, trace pyrite	0.004	0.0044	0.004	<0.5	<5	14	800	100	<1	13	0.54	41
434	341019	488363	5392248			ULTRAMAFIC - fine to medium-grained, medium grey colour, slightly rusty weathering, altered white olivine, non-magnetic; 2% pyrite	0.002	<0.0005	<0.001	<0.5	9	21	189	40	<1	42	1.5	327
435	341020	488363	539248			SERICITE SCHIST - fine-grained, light yellow green to white colour, rusty weathering, strongly sheared, trace pyrite	0.003	0.0046	0.004	<0.5	<5	1	482	27	<1	1	0.18	13
436	341021	488127	5392206			IRON FORMATION - medium-grained, dark brown colour, extremely oxidized, very strongly magnetic; 3-5% disseminated pyrite	0.028	0.0028	0.001	<0.5	<5	27	263	232	<1	111	8.31	52
437	341022	488086	5392225			ULTRAMAFIC - fine-grained, medium grey colour, slightly rusty weathering, altered white olivine, non-magnetic; 1-2% disseminated pyrite	0.005	0.0052	0.005	<0.5	11	36	581	146	<1	142	2.65	40
438	341023	487984	5392207			IRON FORMATION - fine to medium-grained, dark grey colour, strong rusty weathering, very strongly magnetic, bedding evident; 15-20% disseminated to massive veinlets of pyrite	0.006	0.0018	0.002	<0.5	<5	35	123	408	1	112	>10.0	188
439	341024	487984	5392207			QUARTZ/BIOTITE SCHIST - medium-grained, medium grey to black metallic colour, moderately sheared, slightly rusty weathering, minor sercite, 3-5% coarse disseminated pyrite	0.003	0.0032	0.004	<0.5	<5	47	166	57	<1	113	6.33	104
440	341025	487984	5392207			QUARTZ VEIN - coarse-grained, quartz crystals, fine grained mafics and biotite, slightly rusty weathering, <1% pyrite, trace chalcopyrite	0.002	<0.0005	<0.001	<0.5	6	3	66	25	<1	27	0.79	76
441	341026	488568	5392274			QUARTZ/SERICITE SCHIST - fine-grained recrystallized quartz - up to 80%, slightly rusty weathering, non-magnetic; 1-2% pyrite	0.006	<0.0005	<0.001	<0.5	5	2	14	43	<1	5	0.76	40
442	341027	488696	5392489			ULTRAMAFIC - fine-grained, medium grey colour, slightly rusty weathering, slightly magnetic; 1-2% disseminated pyrite	0.002	<0.0005	<0.001	<0.5	7	32	60	469	<1	50	0.75	68

## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
443	341028	493961	5394908		IRON FORMATION - fine-grained, light grey colour, mostly recrystallized quartz, magnetic, strong rusty weathering; up to 25% disseminated to massive pyrite locally, trace chalcopyrite	<0.001	0.0005	0.001	0.5	5	30	35	475	<1	77	6.34	92
444	341029	493961	5394908		IRON FORMATION - medium-grained, rusty brown colour, very strongly magnetic, strong rusty weathering, coarse quartz crystals; 80-80% semi-massive to massive pyrite	0.004	0.0006	0.001	0.5	<5	122	12	296	<1	360	>10.0	53
445	341030	494019	5394842		ULTRAMAFIC - medium to coarse-grained, light grey/green colour, slightly rusty fracture, sheared, non-magnetic, no visible sulphides	0.001	0.0032	0.003	<0.5	<5	49	978	45	<1	598	0.14	97
446	341032	493919	5394734		ULTRAMAFIC/DUNITE - fine-grained, grey/green colour, moderately rusty weathering, slightly magnetic; 2% pyrrhotite	<0.001	0.0010	0.001	<0.5	<5	56	87	386	<1	73	1.98	56
447	341032	493392	5393625		ULTRAMAFIC/DUNITE - fine-grained, light green colour, slightly rusty weathering, slightly magnetic-fine magnetite, trace pyrite	0.001	0.0028	0.004	<0.5	<5	39	874	63	1	394	0.09	159
448	341033	493318	5393640		Metavolcanics - medium-grained, dark green color, strongly sheared, non-magnetic, moderately rusted, coarse recrystallized quartz locally; 2-3% pyrite, less chalcopyrite	0.001	0.0016	0.002	0.8	<5	61	789	1680	<1	400	1.18	372
449	341034	494415	5393744		Grassy Portage West Occurrence: Gabbro - fine-grained, dark grey color, non-magnetic, strongly rusted, up to 5% pyrite, chalcopyrite	0.308	0.0186	0.091	9.7	128	115	44	22800	<1	314	4.51	88
450	341035	493183	5393506		MAFIC metavolcanics - very fine-grained, medium grey colour, slightly sheared, blocky outcrop, slightly rusty on fractures, very magnetic, <1% very fine pyrite?	0.003	0.0042	0.005	<0.5	<5	100	1010	432	1	1085	0.7	284
451	341036	493135	5393505		MAFIC metavolcanics - very fine-grained, greenish colour, slightly sheared, rusty weathering, strongly magnetic; 1-2% disseminated stringer pyrite	0.005	0.0027	0.003	0.7	5	166	1095	1610	3	772	2.55	193
452	341037	493052	5393425		IRON FORMATION - mostly chert, greysilt/green colour, moderate rusty weathering, moderately magnetic; 1% pyrite	0.008	0.0101	0.008	<0.5	13	54	154	1080	3	154	4.59	146
453	341038	493052	5393425		North Shore Occurrence: IRON FORMATION - chert, magnetite rich, dark grey colour, rusty weathering, 30% pyrite, massive on one fracture face	0.037	0.0253	0.078	1.3	16	882	70	2460	7	712	>10.0	52
454	341039	493052	5393425		IRON FORMATION - fine-grained, light grey colour, 40-50% quartz moderate rusty weathering, strongly magnetic; 3% fine disseminated pyrite	0.011	0.0062	0.008	<0.5	11	122	104	857	7	346	6.2	188
455	341040	492037	5393121		IRON FORMATION - fine-grained, grey colour, 90% quartz, bedding evident in outcrop, non-magnetic; 3-5% disseminated to stringer pyrite	0.002	0.0011	0.002	<0.5	<5	34	100	147	2	63	3.28	22
456	341041	491904	5393048		IRON FORMATION - chert, grey colour, mostly massive pyrite, trace + chalcopyrite, azurite	0.022	0.0019	0.021	0.7	<5	89	88	1625	8	329	>10.0	1055
457	341042	491712	5392861		ULTRAMAFIC/DUNITE - fine-grained, light green color, sheared, moderately to strongly magnetic, moderate to strongly rusty; 1-2% pyrite, pyrrhotite?	0.001	0.0041	0.004	<0.5	<5	77	570	548	<1	725	1.64	116
458	341043	491730	5392872		GABBRO - fine-grained, dark grey colour, minor rust throughout matrix, 20-30% plagioclase, non-magnetic, contact rock with dunite (341042)	0.001	0.0011	0.001	<0.5	8	27	45	159	1	68	0.38	76
459	341044	489582	5392000		GABBRO - medium-grained, grey/green colour, moderately rusty throughout matrix, 25-30% plagioclase, non-magnetic, trace + chalcopyrite, trace pyrrhotite	0.004	0.0192	0.058	<0.5	<5	46	52	391	1	133	0.4	98
460	341045	489829	5392053		GABBRO - fine-grained, light grey/green colour, trace rusty weathering, non-magnetic; up to 1% disseminated pyrite, trace pyrrhotite	0.001	0.0006	0.005	<0.5	10	95	133	776	<1	222	1.59	239
461	341046	489829	5392053		GABBRO - medium-grained, dark grey colour, minor rusty weathering, non-magnetic, trace pyrite, chalcopyrite	0.002	0.0106	0.015	<0.5	5	49	83	309	2	134	0.27	101
462	341047	490401	5392158		Martin-Pinkson West Occurrence: Gabbro - fine- to medium-grained, green colour, moderate rusty weathering, non-magnetic, minor quartz flooding; 20-30% disseminated to blebs chalcopyrite	0.046	0.0006	0.017	4.7	<5	48	18	4430	1	143	0.57	166
463	341048	490518	5392164		ULTRAMAFIC - altered fine to medium-grained, pyroxenite, + biotite, olivine, garnets, moderate to strong rusty weathering, non-magnetic; <1% chalcopyrite	0.001	0.0050	0.003	<0.5	5	19	213	792	2	44	0.23	977
464	341049	491013	5392299		Martin-Pinkson 2 Occurrence: Gabbro - fine-grained, dark grey/green colour, moderately rusty throughout, non-magnetic; 1% disseminated chalcopyrite; located 103 m west-southwest of Martin Pinkson #1 Occurrence	0.083	<0.0005	0.029	1.8	<5	36	13	6150	1	126	0.75	86
465	341050	491106	5392344		Martin-Pinkson 1 Occurrence: Gabbro - altered fine-grained, biotitic, strong rusty weathering, non-magnetic, medium grey colour, 30% plagioclase, up to 5% disseminated and blebs chalcopyrite, moderate malachite staining	0.473	0.0035	0.054	4.7	198	217	<1	18100	1	446	2.01	120
466	341051	491106	5392344		Martin-Pinkson 1 Occurrence: Gabbro - altered fine to medium-grained, + biotite homblende, strong rusty weathering, medium grey colour, 30% plagioclase, up to 5% disseminated to blebs chalcopyrite, moderate malachite staining	1.660	0.0058	0.083	8.6	201	197	<1	32700	1	510	4.51	160
467	341052	491106	5392344		Martin-Pinkson 1 Occurrence: Gabbro - mostly altered fine to medium-grained, dark grey colour, + biotite, 20-30% plagioclase, non-magnetic, shearing evident, up to 5% disseminated to blebs chalcopyrite, moderate malachite staining	0.196	0.0214	0.003	2.6	25	201	16	9540	<1	624	1.12	229
468	341053	491106	5392344		Martin-Pinkson 1 Occurrence: Gabbro - same as 341052	1.150	0.0046	0.236	8.8	1125	603	1	28900	<1	523	3.79	76
469	341054	491106	5392344		Martin-Pinkson 1 Occurrence: Gabbro - altered medium-grained, dark grey colour, moderate rusty weathering, non-magnetic, 30% plagioclase, 3-5% disseminated pyrite (south contact of 341050 - 053)	0.050	0.0032	0.019	1.1	<5	85	51	3950	<1	816	3.58	74
470	341055	491168	5392368		LEUCOGABBRO - medium to coarse-grained, moderately rusty, sheared, non-magnetic; up to 1% pyrite, chalcopyrite	0.010	0.0020	0.002	<0.5	6	25	26	889	<1	33	0.47	37
471	341056	491168	5392368		Martin-Pinkson 3 Occurrence: Leucogabbro - medium- to coarse-grained, very strongly rusted, non-magnetic; 3-5% pyrite, trace chalcopyrite; 66 m east-northeast of Martin-Pinkson #1	0.022	0.0295	0.002	1.3	<5	184	16	4140	<1	143	6.11	124
472	341057	493757	5393497		MICROGABBRO - fine-grained, light to medium grey colour, moderately rusty, non-magnetic, trace + chalcopyrite	0.003	0.0019	0.002	<0.5	9	21	130	1515	<1	42	0.47	177
473	341058	493757	5393497		MICROGABBRO - very fine-grained, light to medium grey colour, strong rusty weathering, moderately magnetic; 2-4% pyrite/magnetite	0.005	0.0016	0.002	<0.5	<5	73	176	1185	<1	115	4.56	208



## Appendix I

## North Rock Property: 2005 Grid, Reconnaissance and Airborne EM Anomaly Prospecting and Mapping Sample Descriptions and Analyses

Sample Number	Location (UTM)		Location (grid)		Sample Description	Au	Pt	Pd	Ag	As	Co	Cr	Cu	Mo	Ni	S	Zn
	Easting	Northing	Easting	Northing		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
474	341059	493757	5393497		MICROGABBRO - very fine-grained, light to medium grey colour, strong rusty weathering, moderately magnetic; 1-2% pyrrhotite, chalcopyrite, pyrite	0.002	0.0084	0.009	<0.5	<5	49	1455	394	<1	620	0.9	229
475	341080	494825	5393442		GABBRO - medium-grained, grey/green colour, slightly rusty weathering, magnetic at pyrrhotite; 30-40% plagioclase, 1% pyrite, pyrrhotite, trace chalcopyrite	0.001	0.0231	0.015	<0.5	<5	23	55	218	<1	68	0.28	64
476	341081	495253	5394414		Lakeshore West Occurrence: ULTRAMAFIC - very fine-grained, dark grey color, trace rusty weathering, moderately magnetic; <12% pyrrhotite, trace chalcopyrite	0.002	0.0043	0.007	<0.5	<5	148	1000	274	<1	2550	0.8	51
477	341082	495844	5394817		GABBRO - fine-grained, medium grey colour, moderately rusty weathering, moderately magnetic; 40-50% plagioclase, trace + pyrite	0.003	0.0012	0.001	<0.5	7	54	138	829	<1	187	1.95	56
478	341083	495844	5394817		MELABAGGRO - fine-grained, dark grey colour, + 10% plagioclase locally, moderate rusty weathering, moderately magnetic; up to 1% pyrrhotite, trace chalcopyrite	0.002	0.0084	0.003	<0.5	<5	106	1760	926	<1	331	1.04	110
479	341084	495831	5394812		ULTRAMAFIC - fine-grained, grey/green colour, moderate rusty weathering, moderately magnetic; <1% pyrite, pyrrhotite, trace chalcopyrite	0.002	0.0089	0.006	<0.5	197	157	1425	530	<1	550	1.1	123
480	341085	495816	5394828		ULTRAMAFIC - fine-grained, dark grey colour, strong rusty weathering, slightly magnetic, layering evident in outcrop; 1-2% pyrite, chalcopyrite	0.004	0.0073	0.015	<0.5	341	226	1170	1860	<1	618	2.06	82
481	341086	495788	5394794		ULTRAMAFIC - fine-grained, grey/green colour, moderately magnetic-magnetite, no visible sulphides	0.002	0.0052	0.003	<0.5	7	77	1095	31	<1	945	0.02	86
482	341087	495900	5394708		GABBRO - fine-grained, medium grey colour, moderately magnetic; 10-15% plagioclase locally, 2-3% pyrrhotite, pyrite, trace chalcopyrite	<0.001	0.0007	0.001	<0.5	7	136	499	625	<1	458	1.35	60
483	341088	495900	5394708		GABBRO - fine-grained, dark green/grey colour, very slightly magnetic, moderate rusty weathering; up to 2% pyrite, chalcopyrite	0.002	0.0056	0.003	<0.5	8	160	1235	1186	<1	797	1.48	57
484	341089	496701	5395330		MICRO MELAGABBRO - fine-grained, medium grey/green colour, moderately rusty on fractures, non-magnetic; 1% chalcopyrite, pyrrhotite	0.008	0.0797	0.062	<0.5	<5	97	124	1096	<1	755	1.39	35
485	341070	492373	5391358		GABBRO - fine-grained, dark grey colour, trace rust on weathered surface, non-magnetic, trace chalcopyrite and malachite	0.004	0.0012	0.003	<0.5	<5	30	13	148	<1	87	0.02	120
486	341071	492593	5391438		Pyroxenite - fine to medium-grained, dark green colour, very slightly rusty weathering, magnetic at sulphides; <1% pyrrhotite, trace + chalcopyrite	0.002	<0.0005	0.002	<0.5	<5	70	6	342	<1	98	0.4	97
487	341072	492691	5391407		GABBRO - fine-grained, medium grey colour, trace rust of fracture, surfaces, magnetic at pyrrhotite, trace pyrrhotite, chalcopyrite	0.001	0.0015	0.002	<0.5	<5	46	8	176	<1	135	0.07	92
488	341073	492306	5391094		GABBRO - fine-grained, dark grey/green colour, very slightly rusty, 15-20% plagioclase, non-magnetic, trace pyrite and pyrrhotite	0.001	<0.0005	<0.001	<0.5	<5	25	4	46	<1	9	0.09	215
489	341074	492711	5391161		GABBRO - altered fine-grained, grey/green colour, moderately rusty throughout, 20-30% plagioclase, non-magnetic, 1% chalcopyrite? locally	0.021	0.0034	0.011	<0.5	5	32	257	458	<1	166	0.1	69

**Appendix II**  
**Certificates of Analyses**  
**MetalCorp Ltd.**  
**2005**



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## CERTIFICATE TB05037836

Project: NORTHROCK

P.O. No.:

This report is for 1 Rock sample submitted to our lab in Thunder Bay, ON, Canada on 16-MAY-2005.

The following have access to data associated with this certificate:

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_



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**CERTIFICATE OF ANALYSIS TB05037836**

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt.	Au	Pt	Pd	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
		kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
NRD05-01		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
		2.18	0.12	5.15	0.04	7.3	8.61	<5	90	<0.5	<2	4.30	<0.5	381	15	>10000



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Project: NORTHROCK

## CERTIFICATE OF ANALYSIS TB05037836

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
NRD05-01		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10
		16.90	0.40	0.74	413	14	2.42	1060	360	15	6.26	<5	140	0.07	16	10



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## CERTIFICATE OF ANALYSIS TB05037836

Sample Description	Method Analyte Units LOR	ME-ICP61	Cu-AA62	PGM-MS24	PGM-MS24	PGM-MS24
		Zn	Cu	Au	Pt	Pd
		ppm	%	ppm	ppm	ppm
NRD05-01	2	341	6.78	0.112	>1.00	0.028



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Finalized Date: 26-JUL-2005  
Account: METCOR

## CERTIFICATE TB05057192

Project: NORTH ROCK

P.O. No.:

This report is for 4 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 18-JUL-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
309 S COURT ST  
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Signature: \_\_\_\_\_



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 Total # Pages: 2 (A - C)  
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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05057192**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	
24751		1.94	<0.5	6.09	<5	40	1.2	<2	2.48	<0.5	40	2	248	8.63	0.08	0.60
24752		1.63	<0.5	6.52	<5	30	0.9	<2	6.34	<0.5	59	7	574	11.40	0.15	2.77
24753		4.25	<0.5	7.00	<5	40	0.5	<2	6.27	<0.5	36	<1	374	10.35	0.15	1.70
24754		2.79	<0.5	5.97	<5	110	1.3	<2	2.85	<0.5	29	3	127	10.70	0.12	1.09





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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05057192**

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Au ppm	Pt ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
24751		873	<1	2.54	92	2160	6	0.34	<5	59	0.35	45	20	93	0.002	<0.0005
24752		1650	4	0.93	83	1540	138	0.22	<5	73	0.89	296	10	445	0.005	0.0005
24753		1250	<1	1.79	68	600	5	0.03	<5	126	1.06	276	10	68	0.014	0.0005
24754		551	<1	2.63	31	910	5	0.06	<5	87	0.37	105	10	51	0.002	0.0005



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05057192

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
24751 24752 24753 24754		<0.001 <0.001 <0.001 0.028



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## CERTIFICATE TB05057199

Project: NORTH ROCK

P.O. No.:

This report is for 23 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 22-JUL-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05057199**

Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 Al %	ME-ICP61 As ppm	ME-ICP61 Ba ppm	ME-ICP61 Be ppm	ME-ICP61 Bi ppm	ME-ICP61 Ca %	ME-ICP61 Cd ppm	ME-ICP61 Co ppm	ME-ICP61 Cr ppm	ME-ICP61 Cu ppm	ME-ICP61 Fe %	ME-ICP61 K %	ME-ICP61 Mg %
Sample Description	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
24755	2.71	<0.5	5.80	<5	20	1.0	5	3.22	<0.5	59	11	102	13.90	0.10	0.59
24756	1.89	<0.5	10.05	<5	50	<0.5	<2	7.43	<0.5	14	12	355	5.36	0.14	0.68
24757	1.25	<0.5	7.07	49	30	<0.5	<2	6.06	<0.5	54	6	267	14.25	0.14	1.92
24758	2.15	<0.5	7.16	31	60	0.6	<2	6.11	<0.5	53	14	118	12.45	0.32	1.82
24759	2.34	<0.5	1.73	18	80	<0.5	<2	0.78	<0.5	71	1540	141	19.80	0.37	9.09
24760	1.56	<0.5	6.66	48	120	<0.5	<2	0.33	<0.5	20	16	1	7.17	0.85	4.21
24761	1.81	<0.5	7.70	22	100	0.8	<2	5.36	<0.5	42	64	83	12.15	0.32	3.05
24762	1.02	<0.5	6.10	17	70	0.9	<2	0.70	<0.5	44	17	10	10.80	0.29	1.44
24763	1.59	<0.5	6.49	52	180	0.7	<2	2.15	<0.5	38	5	383	6.41	0.71	2.70
24764	1.29	<0.5	6.89	12	40	<0.5	<2	6.29	<0.5	47	14	99	12.15	0.11	2.44
24765	2.52	<0.5	6.67	<5	40	<0.5	<2	5.71	<0.5	45	4	161	13.80	0.17	2.54
24766	1.82	<0.5	5.86	10	70	1.1	<2	1.90	<0.5	13	31	263	6.28	0.20	0.55
24767	1.62	<0.5	5.83	14	150	<0.5	3	0.60	<0.5	41	2	99	11.20	0.33	1.84
24768	1.55	<0.5	9.44	16	100	<0.5	<2	7.18	<0.5	22	13	134	4.66	0.34	1.26
24769	1.91	<0.5	3.00	20	<10	<0.5	<2	2.55	<0.5	100	435	6	25.6	0.01	8.10
24770	2.19	<0.5	6.29	17	120	0.6	<2	4.94	<0.5	45	18	138	10.35	0.39	2.46
24771	1.90	<0.5	9.91	8	30	1.1	3	8.61	<0.5	25	28	112	6.40	0.19	2.82
24772	1.80	0.5	7.31	14	110	<0.5	<2	5.97	<0.5	43	45	740	13.70	0.80	3.11
24773	1.94	<0.5	9.13	6	70	<0.5	<2	7.12	<0.5	46	24	84	11.80	0.41	2.63
24774	1.97	<0.5	9.05	17	60	<0.5	<2	7.32	<0.5	34	57	17	7.83	0.30	3.14
24775	2.59	<0.5	6.68	<5	40	0.6	<2	4.27	<0.5	44	3	821	10.55	0.22	1.70
24776	1.70	<0.5	8.36	<5	70	<0.5	<2	5.94	<0.5	35	12	126	10.20	0.33	2.16
24777	2.45	<0.5	6.43	8	80	0.6	<2	5.30	<0.5	52	4	466	12.35	0.31	1.57



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05057199

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Au ppm	Pt ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
24755		1520	5	1.98	35	2630	4	0.21	<5	59	0.66	20	<10	63	0.001	<0.0005
24756		634	<1	2.68	17	180	<2	0.03	5	154	0.46	153	10	40	0.002	0.0011
24757		1930	<1	2.11	130	740	5	0.17	<5	263	1.15	316	<10	47	0.002	<0.0005
24758		1200	<1	2.09	6	680	8	0.11	<5	188	1.00	161	<10	91	0.001	<0.0005
24759		3270	<1	0.29	145	30	<2	0.01	<5	67	1.11	341	<10	114	0.005	0.0005
24760		616	<1	0.29	<1	1250	<2	<0.01	<5	9	0.86	79	<10	54	0.001	<0.0005
24761		1335	<1	1.96	36	780	3	0.02	<5	123	0.83	310	<10	158	0.001	<0.0005
24762		853	<1	1.78	25	930	2	0.01	<5	35	0.35	2	<10	453	0.001	<0.0005
24763		940	1	2.60	62	1160	<2	0.03	<5	103	0.66	178	<10	80	0.009	<0.0005
24764		1625	<1	2.33	72	490	<2	0.15	<5	146	0.84	516	<10	54	0.001	<0.0005
24765		1865	<1	2.23	49	300	<2	0.04	<5	92	1.03	551	<10	63	0.005	<0.0005
24766		1365	<1	2.47	10	780	4	0.15	<5	190	0.29	33	<10	63	0.006	<0.0005
24767		1655	<1	1.06	51	1750	<2	0.01	<5	21	0.39	39	<10	203	0.001	<0.0005
24768		730	<1	2.77	40	50	2	0.06	<5	164	0.39	248	<10	51	0.002	0.0012
24769		1885	<1	0.07	1030	60	<2	<0.01	<5	4	1.21	807	<10	129	<0.001	0.0018
24770		1500	<1	1.94	58	660	<2	0.01	<5	100	0.69	165	<10	102	0.001	<0.0005
24771		851	<1	1.54	51	120	2	0.03	<5	131	0.16	152	<10	60	<0.001	0.0007
24772		2180	1	1.44	78	580	<2	0.32	<5	110	0.73	338	<10	124	0.007	<0.0005
24773		2080	<1	2.00	73	130	<2	0.01	<5	121	0.67	466	<10	98	0.007	0.0031
24774		1350	<1	1.90	48	460	<2	0.01	<5	131	0.44	239	<10	55	0.001	0.0047
24775		993	3	2.18	28	500	4	0.13	<5	106	0.70	66	<10	61	0.010	<0.0005
24776		2180	<1	2.73	44	50	6	0.01	<5	218	0.83	851	<10	145	0.002	<0.0005
24777		1445	<1	2.27	126	1000	2	0.24	<5	119	0.86	308	<10	87	0.002	<0.0005



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05057199

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
24755		0.002
24756		0.001
24757		0.002
24758		<0.001
24759		0.001
24760		<0.001
24761		<0.001
24762		<0.001
24763		0.012
24764		0.005
24765		0.003
24766		<0.001
24767		0.002
24768		<0.001
24769		0.002
24770		0.001
24771		0.002
24772		<0.001
24773		0.001
24774		0.009
24775		<0.001
24776		0.001
24777		0.006



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**CERTIFICATE TB05067586**

Project: NORTH ROCK  
 P.O. No.:  
 This report is for 23 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 19-AUG-2005.  
 The following have access to data associated with this certificate:  
 MITCH DUMOULIN                      AUBREY J. EVELEIGH                      A.D. MACTAVISH  
 NORTHROCK TEAM

**SAMPLE PREPARATION**

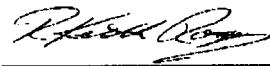
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
 ATTN: A.D. MACTAVISH  
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Signature: 





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Account: METCOR

Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05067586

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
24778		2.08	<0.5	10.20	<5	70	<0.5	<2	8.13	<0.5	20	11	65	3.58	0.53	0.95
24779		1.08	<0.5	3.26	7	40	0.9	<2	2.93	<0.5	11	39	85	4.54	0.21	1.89
24780		1.96	<0.5	8.39	<5	80	<0.5	2	5.26	<0.5	89	11	1350	14.55	0.28	2.24
24781		0.95	<0.5	10.60	<5	40	<0.5	<2	7.87	<0.5	42	50	64	6.42	0.17	2.63
24782		1.24	<0.5	9.67	6	50	<0.5	<2	8.13	<0.5	31	16	29	6.03	0.28	2.81
24783		1.40	<0.5	8.44	<5	210	1.5	<2	5.99	<0.5	34	69	285	8.54	0.95	3.39
24784		1.82	<0.5	10.05	<5	60	<0.5	<2	8.47	<0.5	36	5	196	6.21	0.37	2.37
24785		1.36	<0.5	9.42	<5	90	<0.5	<2	5.95	<0.5	36	12	352	7.34	0.64	2.19
24786		1.80	<0.5	6.53	<5	20	0.5	<2	3.87	<0.5	62	1	383	9.72	0.09	3.03
24787		1.50	<0.5	9.79	7	110	<0.5	<2	7.64	<0.5	28	24	107	5.68	0.32	2.02
24788		1.67	<0.5	9.93	7	60	<0.5	<2	7.57	<0.5	18	16	108	3.65	0.19	1.01
24789		2.16	<0.5	3.11	<5	20	<0.5	3	4.54	<0.5	78	847	76	14.60	0.16	8.47
24790		1.91	<0.5	7.70	<5	70	<0.5	<2	5.21	<0.5	48	57	51	10.05	0.28	4.03
24791		1.33	<0.5	9.43	<5	80	0.5	<2	5.34	<0.5	18	9	162	3.97	0.23	0.66
24792		1.40	1.4	8.61	6	60	<0.5	4	6.76	<0.5	62	14	5760	10.90	0.36	2.98
24793		1.56	0.6	8.53	<5	40	<0.5	<2	6.45	<0.5	122	22	4590	12.85	0.25	2.56
24794		1.94	<0.5	9.18	<5	70	<0.5	<2	6.67	<0.5	23	3	302	4.50	0.19	0.88
24795		1.90	<0.5	8.96	<5	110	<0.5	<2	7.62	<0.5	22	14	19	4.25	0.33	1.29
24796		1.33	<0.5	10.15	7	30	<0.5	<2	7.89	<0.5	38	21	98	6.50	0.12	1.08
24797		0.60	<0.5	11.20	<5	10	<0.5	<2	8.77	<0.5	28	54	12	5.63	0.01	1.86
24801		1.20	<0.5	10.25	14	30	<0.5	<2	9.53	<0.5	25	70	16	5.12	0.13	2.43
24802		1.16	<0.5	7.63	<5	40	<0.5	<2	7.75	<0.5	75	64	327	9.31	0.28	4.80
24803		1.37	<0.5	3.24	<5	10	0.6	<2	7.48	<0.5	92	931	45	15.55	0.09	9.02



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05067586

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
24778		470	2	2.34	27	50	2	0.05	<5	182	0.20	102	<10	35	0.003	0.0028
24779		655	3	0.77	21	90	<2	0.03	<5	58	0.17	144	<10	42	<0.001	<0.0005
24780		2100	<1	2.70	159	1420	7	1.41	<5	139	2.15	164	<10	66	0.010	0.0008
24781		1045	<1	1.84	101	160	<2	0.05	<5	132	0.23	126	<10	61	0.001	0.0012
24782		721	<1	1.62	77	40	<2	0.01	<5	115	0.17	154	<10	50	0.001	0.0017
24783		1350	20	1.88	60	220	<2	0.43	<5	159	0.45	252	<10	94	0.001	0.0008
24784		774	<1	1.45	82	100	<2	0.47	<5	138	0.18	132	<10	70	0.001	0.0015
24785		1005	<1	2.55	122	550	<2	0.09	<5	122	0.13	180	<10	75	0.008	0.0010
24786		1635	5	1.63	97	1550	<2	0.33	<5	76	0.52	135	<10	136	0.001	<0.0005
24787		874	<1	2.01	52	120	<2	0.03	<5	160	0.36	215	<10	68	0.002	0.0011
24788		533	<1	2.80	24	40	<2	0.01	<5	180	0.20	100	<10	37	0.003	0.0005
24789		2620	<1	0.54	251	100	<2	0.11	<5	17	0.82	431	<10	146	0.001	0.0005
24790		2140	<1	2.19	64	230	<2	0.01	<5	107	0.39	272	<10	92	0.001	0.0005
24791		731	<1	2.91	23	850	<2	0.02	<5	197	0.57	142	<10	50	0.004	0.0154
24792		1485	<1	1.54	505	150	<2	1.07	<5	132	0.62	667	<10	83	0.065	0.0872
24793		1345	<1	1.42	1380	170	<2	2.55	<5	130	0.66	571	<10	91	0.032	0.0892
24794		601	<1	2.84	40	90	4	0.03	<5	178	0.22	106	<10	43	0.002	0.0010
24795		699	<1	2.12	37	40	<2	<0.01	<5	139	0.26	146	<10	58	0.001	0.0012
24796		910	<1	2.00	67	410	<2	0.10	<5	154	0.71	253	<10	41	0.001	0.0007
24797		785	<1	1.72	41	60	<2	<0.01	<5	126	0.23	182	<10	38	0.001	0.0015
24801		699	<1	1.54	43	30	5	0.01	<5	109	0.15	169	<10	41	<0.001	0.0010
24802		1565	<1	0.85	178	100	6	0.06	5	90	0.22	182	<10	67	0.014	0.0063
24803		1125	<1	0.43	1060	400	<2	0.09	7	9	0.68	186	<10	52	0.001	0.0048



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05067586**

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
24778 24779 24780 24781 24782		0.001 <0.001 0.007 <0.001 0.001
24783 24784 24785 24786 24787		0.001 <0.001 0.010 0.001 0.001
24788 24789 24790 24791 24792		<0.001 0.001 0.001 0.018 0.265
24793 24794 24795 24796 24797		0.262 0.002 <0.001 0.001 <0.001
24801 24802 24803		<0.001 0.005 0.005



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## CERTIFICATE TB05072944

Project: NORTH ROCK

P.O. No.:

This report is for 42 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 2-SEP-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05072944**

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
24798		2.15				<0.5	9.55	<5	80	<0.5	<2	6.73	<0.5	30	13	109
24799		1.31				<0.5	10.00	<5	70	<0.5	<2	7.59	<0.5	23	19	51
24800		2.47				<0.5	7.26	<5	410	1.6	<2	5.35	<0.5	29	325	167
24804		2.13				<0.5	9.69	12	40	<0.5	<2	7.47	<0.5	31	12	89
24805		1.71				<0.5	3.72	<5	70	<0.5	<2	3.90	<0.5	77	780	42
24806		1.15				<0.5	10.40	<5	60	<0.5	<2	6.58	<0.5	24	17	14
24807		1.70				<0.5	3.29	<5	30	0.5	<2	7.83	<0.5	56	966	143
24808		1.69				<0.5	2.96	10	20	<0.5	<2	3.40	<0.5	96	761	14
24809		2.26				<0.5	5.50	<5	60	<0.5	<2	5.96	<0.5	73	251	6
24810		1.52				<0.5	8.97	5	110	<0.5	<2	7.80	<0.5	34	96	82
24811		1.88				<0.5	5.89	<5	80	1.3	<2	5.78	<0.5	88	574	833
24812		2.14				<0.5	8.69	<5	90	<0.5	<2	7.09	<0.5	51	23	180
24813		2.28				<0.5	6.81	<5	270	0.6	<2	5.34	<0.5	44	53	46
24814		1.18				1.4	10.20	<5	220	0.5	<2	6.52	<0.5	70	97	6870
24815		1.68				<0.5	9.16	13	100	<0.5	<2	6.01	<0.5	33	43	83
24816		1.63				<0.5	7.30	12	70	<0.5	<2	6.69	<0.5	56	38	84
24817		2.01				<0.5	7.13	10	90	<0.5	<2	7.27	<0.5	54	12	559
24818		1.50				<0.5	6.49	<5	130	<0.5	<2	5.37	<0.5	64	6	408
24819		2.07				0.5	4.87	19	40	0.7	20	2.35	<0.5	72	4	148
24820		1.35				<0.5	11.15	<5	70	<0.5	<2	7.76	<0.5	35	11	277
24821		2.02				<0.5	6.20	<5	70	0.7	<2	4.86	<0.5	43	2	172
24822		1.60				<0.5	6.51	9	280	0.7	<2	5.11	<0.5	85	<1	368
24823		1.95				<0.5	6.91	<5	90	0.5	<2	6.20	<0.5	53	20	188
24824		1.67				<0.5	10.55	5	150	<0.5	<2	8.74	<0.5	26	8	20
24825		1.53				<0.5	10.20	<5	30	<0.5	<2	8.64	<0.5	35	25	11
24826		1.48				1.1	6.46	5	70	0.5	<2	5.84	<0.5	77	3	1070
24827		1.86				0.8	6.09	<5	70	1.3	<2	3.36	<0.5	63	8	1410
24828		1.56				<0.5	8.67	8	40	<0.5	<2	7.51	<0.5	47	52	727
24829		0.77				<0.5	7.60	<5	50	<0.5	<2	6.67	<0.5	58	41	682
24830		1.72				<0.5	2.94	16	50	0.6	<2	6.35	<0.5	106	1085	55
24831		1.15				1.3	7.20	6	50	<0.5	<2	6.24	<0.5	55	40	4270
24832		0.83	0.29	0.49	1.15	7.8	6.19	115	50	<0.5	16	5.89	<0.5	70	42	>10000
24833		1.16				<0.5	9.98	<5	50	<0.5	<2	7.68	<0.5	38	35	132
24834		2.16				<0.5	7.61	<5	80	<0.5	<2	7.10	<0.5	63	77	329
24835		0.84				<0.5	7.43	5	50	0.9	<2	3.99	<0.5	19	253	1455
24836		1.39				<0.5	7.92	18	280	1.0	<2	5.05	<0.5	188	59	1725
24837		1.46				<0.5	8.11	41	80	1.0	<2	5.94	<0.5	85	100	276
24838		0.30				2.5	4.69	6	30	<0.5	<2	6.90	<0.5	28	56	8670
24839		1.46				<0.5	9.68	<5	70	<0.5	<2	7.28	<0.5	46	42	94
24840		1.69				<0.5	7.61	<5	60	0.5	<2	6.22	<0.5	66	50	2020



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**CERTIFICATE OF ANALYSIS TB05072944**

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm
		0.01	0.01	0.01	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10
24798		6.73	0.23	1.57	910	<1	2.54	27	570	4	0.02	<5	175	0.46	237	<10
24799		5.61	0.28	1.91	848	<1	2.12	36	10	9	0.01	<5	134	0.38	202	10
24800		3.74	1.06	5.79	577	<1	2.44	323	1830	5	0.03	<5	820	0.40	86	<10
24804		5.42	0.12	1.76	741	<1	2.16	79	170	2	0.02	<5	128	0.37	192	<10
24805		15.05	0.35	8.40	2290	<1	0.54	294	60	5	0.02	<5	15	0.62	468	<10
24806		5.57	0.28	2.33	744	<1	1.75	57	20	<2	0.01	5	134	0.29	160	<10
24807		18.55	0.34	5.84	1215	<1	0.66	242	3540	4	0.48	<5	17	0.71	230	<10
24808		22.8	0.04	8.35	1735	<1	0.32	1285	60	11	0.01	<5	14	1.07	889	<10
24809		13.60	0.27	5.90	1745	<1	0.92	324	40	4	0.01	<5	48	0.67	347	<10
24810		6.28	0.56	3.06	985	<1	1.65	83	170	6	0.04	<5	267	0.20	147	<10
24811		14.30	0.43	2.41	1505	<1	1.95	428	750	8	1.14	<5	120	1.14	241	<10
24812		11.30	0.35	2.99	1645	<1	1.73	51	160	<2	0.13	<5	128	1.00	584	<10
24813		11.40	0.99	3.49	1935	<1	1.83	34	660	6	0.08	<5	255	1.04	386	<10
24814		11.55	1.10	1.14	1155	<1	1.77	235	680	7	0.75	<5	352	1.57	319	10
24815		6.68	0.40	2.41	885	<1	2.66	44	360	<2	0.02	<5	169	0.49	175	<10
24816		14.65	0.50	3.04	1795	2	1.22	93	60	4	0.02	<5	82	0.71	476	<10
24817		12.75	0.26	3.31	1680	<1	1.55	70	130	8	0.15	<5	81	1.10	668	<10
24818		11.85	0.30	2.52	2110	<1	2.36	146	1180	17	0.22	<5	124	1.12	142	<10
24819		32.2	0.19	2.31	17500	<1	0.25	21	400	16	0.07	<5	7	1.53	851	<10
24820		5.99	0.32	1.30	821	<1	2.40	47	150	5	0.09	<5	176	0.51	245	<10
24821		11.85	0.26	1.37	1605	<1	1.78	65	1130	11	0.05	<5	114	0.75	265	10
24822		15.45	0.32	1.12	1845	<1	1.78	134	1280	13	0.37	<5	61	0.90	102	10
24823		11.10	0.26	2.29	2030	1	2.30	52	190	10	0.09	<5	149	1.11	197	10
24824		5.32	0.21	2.02	739	1	1.76	56	50	3	0.01	<5	140	0.38	164	<10
24825		5.93	0.10	3.13	772	<1	1.39	75	30	14	<0.01	<5	112	0.11	94	<10
24826		15.25	0.32	1.76	3330	<1	1.09	108	500	13	0.12	<5	50	0.87	265	<10
24827		11.65	0.17	0.56	1750	<1	1.07	86	380	13	0.72	<5	83	0.34	<1	<10
24828		9.63	0.24	3.51	1530	<1	1.95	78	20	8	0.03	<5	138	0.42	287	<10
24829		12.55	0.19	2.65	2140	<1	2.23	176	670	6	0.09	<5	188	1.10	438	<10
24830		25.9	0.26	5.77	1800	<1	0.82	616	540	19	0.07	<5	35	0.62	160	<10
24831		12.05	0.20	2.77	2220	<1	1.69	130	630	7	0.51	<5	174	1.06	422	<10
24832		16.35	0.28	2.41	1995	<1	1.54	439	670	10	1.72	<5	118	1.01	389	<10
24833		7.47	0.22	2.57	1115	<1	1.98	34	250	<2	0.03	<5	146	0.47	250	<10
24834		11.30	0.38	3.88	1845	<1	1.26	78	120	8	0.16	<5	97	0.87	781	<10
24835		5.32	0.11	2.84	773	1	4.63	44	230	4	0.17	<5	97	0.29	124	<10
24836		14.80	0.55	1.66	1390	13	3.09	904	1120	12	2.03	<5	182	1.22	160	<10
24837		11.55	0.34	2.68	1395	<1	2.95	596	3700	9	0.50	<5	128	1.27	295	<10
24838		13.90	0.16	2.15	1210	1	0.19	6	430	8	1.92	<5	97	0.31	177	300
24839		9.38	0.32	2.73	1445	<1	2.07	44	250	5	0.08	<5	172	0.58	333	<10
24840		11.90	0.31	2.64	1440	1	2.81	39	750	5	0.14	<5	154	1.06	398	<10



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## CERTIFICATE OF ANALYSIS TB05072944

Sample Description	Method Analyte Units LOR	ME-ICP61	Cu-AA62	PGM-MS24	PGM-MS24	PGM-MS24
		Zn ppm	Cu %	Au ppm	Pt ppm	Pd ppm
		2	0.01	0.001	0.0005	0.001
24798		53		0.001	<0.0005	<0.001
24799		63		0.001	0.0010	<0.001
24800		59		0.005	0.0019	0.003
24804		38		0.001	0.0011	0.006
24805		129		0.001	0.0029	0.006
24806		36		<0.001	0.0008	<0.001
24807		54		0.002	0.0046	0.019
24808		114		0.001	0.0018	0.005
24809		103		0.001	0.0066	0.009
24810		42		0.002	<0.0005	<0.001
24811		55		0.003	0.0025	0.002
24812		77		0.002	0.0030	0.003
24813		93		0.001	0.0019	0.002
24814		79		0.079	0.0172	0.013
24815		48		0.002	0.0033	0.003
24816		72		0.001	0.0027	0.002
24817		87		0.006	<0.0005	<0.001
24818		171		0.001	0.0005	0.001
24819		630		0.001	<0.0005	0.001
24820		50		0.005	0.0010	0.002
24821		162		0.002	<0.0005	0.002
24822		187		0.001	<0.0005	0.002
24823		146		0.002	<0.0005	<0.001
24824		53		0.001	0.0011	0.001
24825		46		<0.001	0.0030	<0.001
24826		298		0.031	<0.0005	<0.001
24827		108		0.018	<0.0005	0.001
24828		81		0.016	0.0053	0.004
24829		126		0.007	0.0281	0.037
24830		55		0.001	0.0056	0.005
24831		176		0.064	0.231	0.310
24832		99	1.50	0.323	0.345	>1.00
24833		49		0.002	0.0051	0.009
24834		99		0.008	0.0028	0.007
24835		56		0.106	0.0048	0.005
24836		61		0.008	<0.0005	0.001
24837		78		0.007	<0.0005	0.002
24838		36		0.030	0.0005	0.001
24839		59		0.001	0.0032	0.003
24840		87		0.332	0.0022	0.002



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05072944

Sample Description	Method Analyte Units LOR	WEI-21	PGM-ICP27	PGM-ICP27	PGM-ICP27	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.03	0.03	0.03	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1
24841		1.53				<0.5	6.82	18	90	1.4	<2	7.72	<0.5	134	78	615
24842		1.68				1.5	10.45	8	510	0.5	<2	5.98	<0.5	43	11	3030





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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05072944**

Sample Description	Method	Analyte	Units	LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61				
		Fe	%	0.01	18.70	0.71	2.18	1580	2	1.40	683	750	6	0.83	<5	64	1.02	198	<10
		K	%	0.01	4.96	1.22	0.63	987	<1	4.14	84	110	5	0.22	<5	513	2.65	138	<10
		Mg	%	0.01															
		Mn	ppm	5															
		Mo	ppm	1															
		Na	%	0.01															
		Ni	ppm	1															
		P	ppm	10															
		Pb	ppm	2															
		S	%	0.01															
		Sb	ppm	5															
		Sr	ppm	1															
		Ti	%	0.01															
		V	ppm	1															
		W	ppm	10															
24841					18.70	0.71	2.18	1580	2	1.40	683	750	6	0.83	<5	64	1.02	198	<10
24842					4.96	1.22	0.63	987	<1	4.14	84	110	5	0.22	<5	513	2.65	138	<10



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05072944**

Sample Description	Method Analyte Units LOR	ME-ICP61	Cu-AA62	PGM-MS24	PGM-MS24	PGM-MS24
		Zn ppm	Cu %	Au ppm	Pt ppm	Pd ppm
		2	0.01	0.001	0.0005	0.001
24841		96		0.006	<0.0005	0.001
24842		71		0.064	0.0292	0.010



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## CERTIFICATE TB05076903

Project: NORTH ROCK

P.O. No.:

This report is for 23 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 13-SEP-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

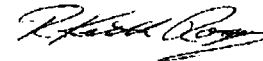
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05076903**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
24843		1.52	4.0	4.49	14	20	0.6	10	7.49	<0.5	132	26	>10000	15.50	0.19	2.98
24844		1.80	<0.5	9.62	5	40	<0.5	<2	7.92	<0.5	23	26	46	4.95	0.16	1.84
24845		1.78	<0.5	6.05	<5	50	1.7	<2	2.76	<0.5	59	9	575	5.76	0.10	0.54
24846		1.31	<0.5	4.63	<5	30	1.0	<2	4.97	<0.5	59	5	177	12.45	0.21	2.78
24847		1.58	<0.5	4.21	<5	120	1.1	<2	1.10	<0.5	1	13	11	1.00	0.41	0.28
24848		2.49	<0.5	7.12	14	100	<0.5	<2	6.03	<0.5	59	25	126	14.80	0.43	3.04
24849		2.23	<0.5	7.04	5	180	0.6	<2	3.92	<0.5	24	7	86	12.30	0.91	2.31
24850		1.72	<0.5	7.73	<5	200	0.9	<2	4.61	<0.5	15	25	51	9.71	0.44	1.06
24851		1.57	<0.5	3.13	<5	<10	<0.5	<2	3.67	<0.5	63	799	160	17.80	0.04	9.28
24852		1.91	<0.5	7.78	<5	40	<0.5	<2	6.40	<0.5	37	7	15	10.85	0.23	2.68
24853		2.19	1.5	6.09	10	50	<0.5	<2	3.95	1.1	43	17	2990	9.74	0.22	1.40
24854		1.86	<0.5	10.10	13	50	<0.5	<2	7.46	<0.5	18	8	39	4.61	0.10	0.96
24855		2.11	<0.5	6.46	<5	50	0.6	<2	4.75	<0.5	37	4	116	11.90	0.24	1.52
24856		2.17	<0.5	6.90	6	160	<0.5	<2	6.03	<0.5	44	6	217	11.25	0.38	2.76
24857		1.77	<0.5	6.88	<5	90	<0.5	<2	5.72	<0.5	60	1	596	14.60	0.40	2.64
24858		2.81	<0.5	7.26	<5	60	<0.5	<2	3.29	<0.5	55	28	455	18.70	0.20	3.16
24859		1.86	<0.5	6.86	5	210	<0.5	<2	5.60	<0.5	63	4	217	14.45	0.59	3.20
24860		1.42	<0.5	7.07	<5	30	<0.5	<2	7.54	<0.5	47	60	80	9.65	0.15	4.31
24861		1.14	<0.5	10.15	<5	290	<0.5	<2	5.19	<0.5	13	6	64	3.12	0.46	0.40
24862		1.29	<0.5	6.66	6	80	<0.5	<2	4.45	<0.5	38	6	688	7.46	0.28	1.61
24863		2.04	<0.5	6.68	<5	60	0.8	<2	7.86	<0.5	40	6	130	11.00	0.22	2.12
24864		2.56	<0.5	1.97	10	110	<0.5	<2	5.83	<0.5	40	812	16	13.00	1.12	8.84
24865		2.04	<0.5	7.49	9	30	<0.5	<2	6.18	<0.5	35	64	63	12.90	0.24	2.84



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05076903

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA82	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Cu	Au
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
24843		3300	153	0.50	162	1840	15	3.26	<5	50	0.48	219	10	116	1.20	0.066
24844		684	<1	1.74	37	50	3	0.03	<5	124	0.22	142	<10	54		0.001
24845		393	1	2.49	289	2600	14	0.74	<5	155	0.05	6	<10	16		0.001
24846		1160	<1	1.24	77	940	<2	0.06	<5	63	0.68	218	<10	51		0.004
24847		127	<1	1.74	5	180	7	0.01	<5	267	0.06	17	<10	21		<0.001
24848		1370	1	1.42	53	600	3	0.07	<5	110	1.02	873	<10	94		0.001
24849		1940	1	1.21	18	2260	4	0.21	<5	158	1.30	187	<10	147		0.002
24850		1770	<1	1.99	18	1530	9	0.08	<5	175	0.62	104	<10	154		0.001
24851		2510	9	0.10	128	50	<2	0.96	<5	5	1.09	659	<10	125		0.002
24852		2010	<1	1.68	27	70	6	0.06	<5	106	0.96	522	<10	179		0.001
24853		1960	<1	1.99	74	200	9	0.39	<5	88	0.46	220	<10	182		0.052
24854		655	<1	2.65	22	50	2	0.02	<5	162	0.35	173	<10	55		0.001
24855		2100	<1	2.37	54	1420	8	0.04	<5	131	0.92	111	<10	207		0.002
24856		2420	1	2.24	45	2460	2	0.02	<5	125	1.12	253	10	297		0.004
24857		2460	<1	1.50	39	410	<2	0.26	<5	69	1.13	558	<10	202		0.020
24858		5750	10	0.57	55	220	<2	0.37	<5	8	0.92	430	<10	572		0.006
24859		1920	1	1.40	89	290	<2	0.12	<5	93	1.07	990	<10	105		0.002
24860		1700	1	1.25	77	190	2	0.02	<5	79	0.38	268	<10	66		0.002
24861		473	<1	3.72	21	50	7	0.11	<5	182	0.52	37	<10	35		0.002
24862		1005	<1	1.88	65	210	3	0.09	<5	155	0.48	59	<10	84		0.008
24863		1450	<1	0.84	43	340	10	0.13	<5	90	1.30	360	<10	120		0.001
24864		2930	2	0.14	165	>10000	4	0.02	<5	31	1.26	232	<10	169		0.001
24865		2030	<1	1.65	102	240	<2	0.08	<5	102	1.11	302	<10	230		0.002



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05076903**

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm 0.0005	Pd ppm 0.001
24843		0.0010	0.002
24844		0.0010	<0.001
24845		<0.0005	0.001
24846		<0.0005	0.001
24847		<0.0005	<0.001
24848		<0.0005	<0.001
24849		<0.0005	<0.001
24850		<0.0005	<0.001
24851		<0.0005	<0.001
24852		<0.0005	<0.001
24853		<0.0005	<0.001
24854		0.0009	<0.001
24855		<0.0005	<0.001
24856		<0.0005	0.002
24857		<0.0005	0.001
24858		0.0007	0.001
24859		<0.0005	<0.001
24860		<0.0005	<0.001
24861		0.0008	0.007
24862		<0.0005	0.004
24863		<0.0005	<0.001
24864		0.0047	0.001
24865		<0.0005	0.001



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## CERTIFICATE TB05079939

Project: NORTH ROCK

P.O. No.:

This report is for 42 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 23-SEP-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
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Signature: \_\_\_\_\_



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05079939**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
24866		2.43	<0.5	7.87	<5	60	<0.5	<2	6.56	<0.5	55	104	36	8.76	0.43	4.43
24867		2.40	<0.5	6.67	<5	40	<0.5	<2	6.84	<0.5	90	33	470	10.10	0.19	4.05
24868		1.96	<0.5	7.30	<5	40	0.6	<2	5.41	<0.5	26	33	72	11.85	0.25	2.87
24869		1.89	<0.5	8.21	<5	60	<0.5	<2	7.45	<0.5	41	100	38	9.38	0.31	4.01
24870		1.40	<0.5	9.67	<5	80	<0.5	<2	7.45	<0.5	30	51	569	6.45	0.27	2.63
24871		1.75	<0.5	6.18	<5	20	<0.5	<2	9.22	<0.5	51	240	932	8.91	0.13	5.37
24872		1.30	<0.5	9.03	<5	110	<0.5	<2	6.29	<0.5	66	27	1650	10.25	0.56	4.44
24873		1.51	0.5	9.05	<5	240	<0.5	<2	6.27	<0.5	14	10	483	1.81	0.56	0.33
24874		2.11	<0.5	9.49	<5	110	<0.5	<2	6.92	<0.5	24	40	87	5.13	0.58	1.86
24875		1.17	<0.5	7.87	<5	40	<0.5	<2	6.90	<0.5	39	98	57	9.20	0.22	3.72
24876		1.11	<0.5	10.25	<5	70	<0.5	<2	7.70	<0.5	22	26	242	5.28	0.26	1.57
24877		2.40	<0.5	7.70	<5	40	<0.5	<2	7.44	<0.5	43	83	71	9.33	0.22	4.12
24878		1.76	<0.5	7.69	<5	60	<0.5	<2	7.47	<0.5	46	94	57	9.06	0.26	4.38
24879		1.17	<0.5	9.27	<5	30	<0.5	<2	8.45	<0.5	35	24	430	7.01	0.20	2.67
24880		1.75	<0.5	9.64	<5	110	<0.5	<2	7.38	<0.5	34	16	130	6.45	0.29	1.36
24881		0.92	<0.5	10.25	<5	90	<0.5	<2	7.79	<0.5	31	12	551	7.34	0.37	1.54
24882		1.62	<0.5	6.25	<5	60	0.8	<2	4.44	<0.5	39	32	934	7.15	0.16	1.28
24883		1.39	<0.5	7.13	<5	70	<0.5	<2	6.66	<0.5	43	176	698	7.30	0.25	4.70
24884		1.66	5.1	10.10	<5	30	<0.5	<2	8.39	<0.5	51	80	7780	7.78	0.10	1.52
24885		2.23	<0.5	10.15	<5	70	<0.5	<2	8.04	<0.5	17	18	128	4.49	0.23	0.99
24886		2.38	<0.5	8.76	<5	80	<0.5	<2	7.37	<0.5	49	63	161	10.20	0.37	3.55
24887		0.87	1.5	3.28	<5	40	1.3	<2	9.27	<0.5	78	636	>10000	17.05	0.35	4.22
24888		2.36	<0.5	10.15	<5	50	<0.5	<2	8.86	<0.5	23	24	88	4.93	0.17	1.48
24889		1.68	<0.5	9.48	8	80	<0.5	<2	6.94	<0.5	36	41	130	8.55	0.36	2.53
24890		1.27	<0.5	8.89	5	80	<0.5	<2	7.18	<0.5	33	26	239	6.66	0.16	2.40
24891		0.65	0.7	8.22	<5	40	0.8	<2	4.24	<0.5	44	11	1610	14.70	0.20	1.46
24892		1.95	<0.5	6.48	<5	40	0.9	<2	3.59	<0.5	41	37	192	8.34	0.11	0.53
24893		0.84	<0.5	10.05	<5	60	<0.5	<2	8.46	<0.5	14	14	112	3.20	0.10	0.81
24894		1.83	<0.5	10.20	<5	50	<0.5	<2	9.07	<0.5	29	52	37	7.32	0.20	2.61
24895		2.67	<0.5	7.88	<5	70	<0.5	<2	5.90	<0.5	72	14	285	12.15	0.19	2.39
24896		1.14	1.2	10.35	<5	70	<0.5	<2	7.85	<0.5	18	28	3230	5.83	0.25	1.54
24897		1.95	<0.5	3.16	<5	10	0.8	<2	4.16	<0.5	91	976	92	11.30	0.02	13.70
24898		1.29	<0.5	2.86	9	10	0.7	<2	9.89	<0.5	87	861	102	12.90	0.07	9.58
24899		1.29	<0.5	4.70	<5	30	1.0	<2	8.42	<0.5	78	1165	294	15.25	0.28	5.61
24900		1.16	1.6	7.23	<5	40	0.5	5	4.38	<0.5	87	71	3900	13.80	0.20	3.01
24901		0.92	<0.5	10.15	<5	30	<0.5	<2	8.17	<0.5	22	12	95	6.38	0.19	1.55
24902		1.90	<0.5	7.73	<5	50	0.5	<2	6.79	<0.5	45	57	53	13.10	0.32	2.95
24903		1.46	<0.5	2.45	<5	30	<0.5	<2	7.10	<0.5	71	926	108	21.1	0.16	4.32
24904		1.29	<0.5	8.08	<5	290	<0.5	<2	6.30	<0.5	47	91	132	11.55	0.84	4.04
24905		1.40	<0.5	9.89	<5	100	<0.5	<2	6.39	<0.5	29	30	370	8.28	0.41	2.56





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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05079939**

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Cu	Au
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
24866		1545	<1	1.15	121	370	3	0.04	7	132	0.21	153	10	74	0.001	
24867		984	<1	1.57	714	140	6	0.84	6	110	0.11	133	10	290	0.003	
24868		2020	<1	1.65	45	1780	5	0.05	11	101	1.19	241	<10	147	0.001	
24869		1735	<1	1.40	76	260	<2	0.03	6	92	0.44	299	<10	89	0.001	
24870		968	<1	1.93	63	140	2	0.05	5	160	0.33	198	10	57	0.017	
24871		1770	<1	0.85	121	90	3	0.03	5	108	0.29	276	<10	94	0.148	
24872		1400	<1	1.53	196	110	<2	0.14	<5	228	0.14	126	10	71	0.095	
24873		223	<1	3.35	41	70	2	0.24	<5	130	0.03	21	<10	29	0.008	
24874		877	<1	2.48	56	120	<2	0.04	6	253	0.34	194	10	43	0.003	
24875		1645	<1	1.47	69	200	2	0.03	7	97	0.44	251	<10	85	0.001	
24876		812	<1	2.22	46	90	3	0.04	<5	184	0.48	283	10	48	0.004	
24877		1670	<1	1.65	66	170	<2	0.04	<5	122	0.43	243	10	88	0.002	
24878		1690	<1	1.51	82	230	4	0.04	7	116	0.41	262	<10	87	0.001	
24879		794	<1	1.40	90	300	3	0.03	7	108	0.27	118	<10	37	0.014	
24880		881	<1	2.41	45	290	6	0.06	6	176	0.33	103	<10	81	0.001	
24881		1050	<1	1.72	66	150	<2	0.05	9	148	0.76	448	<10	81	0.004	
24882		1395	1	2.07	101	370	6	0.14	<5	114	0.52	110	<10	96	0.014	
24883		1230	<1	1.30	119	270	<2	0.07	6	106	0.48	259	<10	85	0.035	
24884		718	11	2.37	128	480	5	1.28	7	170	0.08	196	<10	47	0.222	
24885		751	<1	2.76	37	90	<2	0.03	<5	212	0.32	112	10	60	0.003	
24886		1790	<1	1.47	71	230	2	0.04	<5	148	0.74	683	<10	83	0.003	
24887		1400	<1	0.74	206	510	<2	2.51	16	22	0.55	164	10	107	1.68	
24888		646	<1	1.81	35	150	2	0.03	<5	146	0.34	216	<10	38	0.001	
24889		1335	<1	1.92	41	210	3	0.06	7	168	0.53	303	<10	68	0.001	
24890		915	<1	2.10	36	90	<2	0.03	7	153	0.41	310	<10	45	0.004	
24891		2520	<1	1.35	105	220	4	0.28	7	87	0.90	57	<10	123	0.030	
24892		1760	1	2.10	4	1140	5	0.73	<5	99	0.44	14	10	72	0.001	
24893		514	<1	2.61	37	150	<2	0.01	<5	196	0.38	55	<10	59	0.002	
24894		998	<1	1.69	53	50	<2	<0.01	8	172	0.61	418	10	61	0.004	
24895		1870	<1	2.79	43	1080	4	0.45	10	148	0.71	408	10	103	0.001	
24896		818	<1	2.25	18	130	<2	0.40	7	162	0.38	106	<10	63	0.049	
24897		1965	<1	0.12	1035	600	3	<0.01	8	47	0.89	216	10	120	0.002	
24898		1560	<1	0.41	978	240	7	<0.01	<5	64	0.63	184	<10	76	0.001	
24899		1500	<1	0.89	542	750	3	0.57	14	25	0.95	260	10	48	0.001	
24900		2120	30	1.96	208	570	4	2.36	9	89	0.99	329	10	51	0.015	
24901		835	<1	1.88	52	180	3	0.05	6	141	0.40	243	10	38	0.003	
24902		835	<1	2.25	30	730	<2	0.05	6	152	1.02	403	10	32	<0.001	
24903		1550	<1	0.53	395	4550	11	0.19	11	20	0.55	145	<10	41	0.002	
24904		1750	<1	1.61	46	660	<2	0.12	11	139	0.96	364	<10	77	0.001	
24905		1130	<1	2.89	64	230	<2	0.10	5	219	0.42	229	<10	48	0.016	



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Project: NORTH ROCK

<b>CERTIFICATE OF ANALYSIS TB05079939</b>
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Sample Description	Method Analyte Units LOR	PGM-MS24 Pt ppm 0.0005	PGM-MS24 Pd ppm 0.001
	24866		0.0016
24867		0.0101	0.031
24866		<0.0005	<0.001
24869		0.0027	0.006
24870		0.0027	0.006
24871		0.0013	0.001
24872		0.1500	0.025
24873		0.0017	0.001
24874		0.0114	0.024
24875		0.0014	0.002
24876		0.0029	0.007
24877		0.0086	0.003
24878		0.0018	0.002
24879		0.0012	0.015
24880		0.0008	0.003
24881		0.0007	0.007
24882		<0.0005	0.009
24883		0.0010	0.001
24884		<0.0005	0.008
24885		<0.0005	<0.001
24886		0.0041	0.008
24887		0.0026	0.002
24888		0.0016	<0.001
24889		0.0023	0.002
24890		0.0012	0.003
24891		<0.0005	0.001
24892		<0.0005	<0.001
24893		0.0018	0.003
24894		0.0007	<0.001
24895		<0.0005	0.001
24896		0.0006	<0.001
24897		0.0046	0.004
24898		0.0042	0.002
24899		0.0072	0.011
24900		0.0022	0.026
24901		0.0013	0.002
24902		0.0020	0.001
24903		0.0032	0.021
24904		0.0037	0.004
24905		0.0073	0.112



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**CERTIFICATE OF ANALYSIS TB05079939**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
24906		1.01	0.8	5.80	<5	50	<0.5	<2	7.86	<0.5	101	37	4590	17.10	0.38	4.02
24907		1.66	<0.5	7.23	5	40	0.5	<2	6.53	<0.5	68	36	287	13.55	0.37	3.04



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**CERTIFICATE OF ANALYSIS TB05079939**

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Cu %
24906		1625	<1	0.89	240	2820	3	1.30	9	17	0.48	230	10	98	0.018
24907		1425	2	1.94	52	710	3	0.39	11	118	1.02	390	<10	45	0.001



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**CERTIFICATE OF ANALYSIS TB05079939**

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm 0.0005	Pd ppm 0.001
24906		<0.0005	0.020
24907		0.0008	0.001



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## CERTIFICATE TB05085950

Project: COUSINEAU/ *North Rock*

P.O. No.:

This report is for 25 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 11-OCT-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

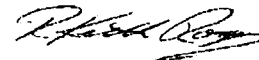
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



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Project: COUSINEAU

**CERTIFICATE OF ANALYSIS TB05085950**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
24908		1.34	<0.5	3.19	<5	10	<0.5	<2	7.75	<0.5	63	642	120	9.88	0.10	7.86
24909		2.12	<0.5	5.72	<5	20	0.6	<2	1.73	<0.5	35	55	53	14.35	0.09	0.83
24910		2.29	<0.5	6.35	8	50	<0.5	<2	6.03	<0.5	33	3	51	10.35	0.28	2.10
24911		1.42	<0.5	7.15	<5	180	0.8	<2	2.64	<0.5	366	22	2480	11.20	0.59	2.04
24912		1.66	<0.5	8.38	<5	40	<0.5	3	6.52	<0.5	43	45	91	8.61	0.22	3.49
24913		1.81	<0.5	9.37	<5	30	<0.5	<2	7.46	<0.5	25	25	79	4.16	0.31	1.33
24914		2.48	<0.5	8.28	<5	60	<0.5	<2	7.24	<0.5	39	131	105	7.68	0.40	4.31
24915		1.69	<0.5	9.12	15	40	<0.5	<2	6.21	0.5	26	35	159	9.54	0.37	2.36
24916		1.98	<0.5	7.52	10	30	0.5	<2	6.70	<0.5	52	43	82	11.00	0.18	2.62
24917		2.44	<0.5	6.61	15	40	0.5	<2	6.85	<0.5	36	26	99	11.55	0.24	2.85
24918		2.23	<0.5	9.21	<5	50	<0.5	<2	7.84	<0.5	12	6	76	2.40	0.21	0.58
24919		1.89	<0.5	2.26	<5	20	<0.5	4	5.47	0.9	180	952	108	38.0	0.12	3.08
24920		2.75	1.2	8.58	14	30	<0.5	2	6.65	<0.5	74	62	4670	10.05	0.29	3.52
24921		1.89	<0.5	9.14	9	30	0.6	<2	8.46	<0.5	35	52	96	6.08	0.21	2.74
24922		1.40	<0.5	10.45	9	110	<0.5	<2	9.03	<0.5	25	22	20	3.99	0.58	1.47
24923		1.29	<0.5	9.73	7	60	<0.5	<2	8.35	<0.5	28	52	75	5.66	0.28	2.39
24924		1.67	<0.5	7.32	17	30	<0.5	<2	6.76	<0.5	38	78	91	9.79	0.22	3.01
24925		1.84	<0.5	3.23	55	20	0.5	<2	6.80	<0.5	122	1025	58	17.50	0.10	7.80
24926		1.58	<0.5	9.97	8	80	<0.5	<2	8.13	<0.5	28	53	63	5.62	0.33	2.54
24927		2.82	<0.5	9.47	<5	140	<0.5	<2	6.94	<0.5	17	12	48	3.82	1.31	1.12
24928		1.57	<0.5	6.74	9	40	<0.5	4	8.54	<0.5	36	9	385	12.00	0.33	3.01
24929		1.82	<0.5	9.86	5	60	<0.5	<2	8.72	0.5	30	2	136	5.12	0.37	1.97
24930		2.30	<0.5	9.04	<5	40	<0.5	<2	7.43	<0.5	35	70	62	6.94	0.17	3.32
24931		2.08	<0.5	9.79	<5	30	<0.5	<2	8.98	<0.5	21	8	128	4.07	0.12	1.36
24932		2.41	<0.5	10.05	17	140	<0.5	<2	7.50	<0.5	21	10	16	4.50	0.52	1.84



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Project: COUSINEAU

## CERTIFICATE OF ANALYSIS TB05085950

Sample Description	Method Analyte Units LOL	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
24908		2040	<1	0.53	184	60	<2	0.02	6	28	0.28	315	<10	89	0.007	<0.0005
24909		2590	<1	0.30	9	230	<2	0.04	7	12	0.56	29	<10	72	0.004	<0.0005
24910		1765	1	1.28	20	1430	<2	0.04	5	169	1.21	268	<10	128	0.002	0.0010
24911		476	1	3.14	1570	2310	<2	6.11	9	193	0.57	282	<10	23	0.005	0.0091
24912		1610	1	1.54	51	100	<2	0.05	6	114	0.43	242	<10	69	0.001	0.0020
24913		629	<1	1.69	47	150	<2	0.06	<5	148	0.38	188	<10	20	0.001	0.0025
24914		1095	4	1.21	90	10	<2	0.16	10	143	0.26	204	<10	51	0.002	0.0322
24915		1315	7	1.82	44	160	<2	0.04	<5	131	1.70	279	10	46	0.001	0.0008
24916		779	1	2.33	45	680	3	0.11	<5	154	1.08	380	<10	32	0.001	0.0019
24917		1990	2	1.61	34	540	4	0.07	<5	136	0.83	247	<10	102	0.004	0.0080
24918		315	1	2.41	17	80	<2	0.14	<5	166	0.20	84	<10	19	0.001	0.0006
24919		1925	7	0.27	1315	6060	32	1.23	<5	20	0.48	138	<10	36	0.003	0.0053
24920		1185	2	1.80	640	350	5	1.32	<5	141	0.70	298	<10	57	0.129	0.0983
24921		782	2	1.52	76	70	<2	0.06	<5	144	0.13	109	<10	41	0.002	0.0087
24922		490	1	2.00	74	120	<2	0.02	<5	164	0.21	90	<10	22	0.001	0.0046
24923		791	1	1.42	68	90	2	0.08	5	121	0.17	123	<10	42	0.001	0.0005
24924		1545	1	1.83	51	260	8	0.11	<5	110	0.65	251	<10	56	0.003	0.0089
24925		1530	2	0.35	1445	1040	12	0.01	<5	14	0.69	179	<10	80	0.006	0.0061
24926		824	1	2.03	50	40	<2	0.05	<5	243	0.14	130	<10	48	0.001	0.0069
24927		505	1	2.08	27	50	<2	0.14	<5	185	0.20	62	<10	25	0.001	0.0009
24928		2020	2	1.27	202	6900	13	0.08	<5	109	2.00	269	<10	49	0.020	0.0374
24929		731	1	1.52	66	140	9	0.04	<5	152	0.54	361	<10	38	0.003	0.0044
24930		1295	2	1.74	64	200	4	0.01	<5	124	0.34	216	10	57	0.001	0.0010
24931		493	2	1.84	42	240	4	0.03	<5	135	0.13	105	<10	30	0.003	0.0019
24932		656	1	1.87	42	30	8	0.02	<5	171	0.30	82	<10	45	0.001	<0.0005





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Project: COUSINEAU

**CERTIFICATE OF ANALYSIS TB05085950**

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
24908 24909 24910 24911 24912		<0.001 <0.001 0.001 0.021 0.003
24913 24914 24915 24916 24917		0.003 0.028 0.017 0.003 0.009
24918 24919 24920 24921 24922		<0.001 0.028 0.143 0.010 0.003
24923 24924 24925 24926 24927		0.001 0.008 0.008 0.005 <0.001
24928 24929 24930 24931 24932		0.072 0.005 0.001 <0.001 <0.001



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## CERTIFICATE TB05063190

Project: NORTH ROCK

P.O. No.:

This report is for 44 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 4-AUG-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05063190

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
340701		0.76	1.3	8.64	<5	40	1.1	5	5.76	<0.5	152	3	3040	12.35	0.20	2.15
340702		0.92	<0.5	7.02	<5	20	0.5	2	3.25	<0.5	74	3	606	11.20	0.14	1.72
340703		1.31	<0.5	5.45	12	10	<0.5	6	4.47	1.6	59	<1	820	22.0	0.13	2.94
340704		0.90	<0.5	7.39	12	90	<0.5	<2	4.30	0.5	72	6	1220	8.00	0.20	1.51
340705		1.28	<0.5	5.51	<5	130	1.5	<2	4.11	0.9	27	3	291	15.05	0.67	1.99
340706		0.99	<0.5	5.71	8	70	0.6	<2	5.30	<0.5	59	4	726	13.35	0.31	1.79
340707		0.87	<0.5	5.80	<5	40	0.5	2	5.27	<0.5	120	2	976	14.90	0.36	1.80
340708		1.30	<0.5	6.44	5	100	<0.5	4	4.55	<0.5	83	2	631	12.95	0.39	1.39
340709		1.09	<0.5	6.35	<5	60	<0.5	2	6.61	<0.5	88	5	1060	16.85	0.36	2.36
340710		0.90	<0.5	7.34	6	310	<0.5	2	4.72	<0.5	45	4	136	14.45	0.77	2.50
340711		1.25	<0.5	4.72	9	30	<0.5	<2	7.80	<0.5	74	7	388	15.90	0.22	3.73
340712		0.55	0.7	5.14	<5	30	0.5	<2	4.74	<0.5	69	2	1775	12.70	0.24	1.62
340713		1.18	<0.5	8.21	<5	30	0.5	2	1.99	<0.5	52	3	685	9.87	0.12	0.43
340714		1.30	<0.5	5.96	6	30	0.9	3	1.67	<0.5	29	3	67	8.13	0.10	0.65
340715		0.88	<0.5	5.93	10	20	0.9	2	3.06	<0.5	51	5	345	11.75	0.13	0.51
340716		1.83	<0.5	6.82	6	40	<0.5	2	5.71	<0.5	47	1	341	12.45	0.18	2.96
340717		0.71	<0.5	6.05	<5	40	0.7	<2	3.00	<0.5	51	2	332	13.05	0.14	0.47
340718		0.87	<0.5	6.45	<5	20	0.7	3	5.37	<0.5	60	3	951	10.85	0.14	2.12
340719		1.05	<0.5	6.75	12	60	0.8	<2	4.55	<0.5	71	3	1355	7.84	0.21	1.42
340720		1.29	<0.5	6.26	6	10	<0.5	<2	2.91	<0.5	77	1	360	11.15	0.04	4.21
340721		0.89	<0.5	6.90	9	50	0.8	4	5.82	<0.5	69	3	354	8.86	0.10	0.99
340722		1.28	<0.5	6.23	5	50	0.8	<2	4.77	<0.5	55	2	297	12.80	0.24	1.61
340723		1.09	<0.5	5.88	5	50	0.7	<2	4.52	<0.5	51	3	724	11.05	0.23	1.56
340724		0.78	<0.5	7.57	5	50	0.8	2	5.25	<0.5	24	5	215	7.83	0.27	1.92
340725		0.84	<0.5	4.88	<5	50	<0.5	6	3.72	<0.5	78	1	4000	16.45	0.21	1.31
340726		0.80	<0.5	5.99	7	40	0.5	3	5.58	<0.5	55	1	563	15.10	0.29	1.79
340727		1.09	<0.5	6.40	<5	60	<0.5	3	6.75	<0.5	59	1	365	13.65	0.24	2.06
340728		0.99	<0.5	5.92	7	40	0.6	25	3.88	9.4	120	1	1300	15.40	0.15	1.88
340729		1.26	<0.5	6.82	9	80	0.8	4	6.08	<0.5	71	2	659	13.60	0.32	2.36
340730		1.61	<0.5	7.10	<5	90	0.7	3	6.76	<0.5	49	10	233	10.80	0.22	2.52
340731		0.71	<0.5	6.78	<5	90	1.1	3	2.81	<0.5	17	2	146	8.66	0.25	0.35
340732		1.55	<0.5	8.69	6	70	<0.5	<2	7.02	<0.5	43	31	120	9.12	0.30	2.66
340733		0.95	<0.5	8.29	12	60	<0.5	2	6.88	<0.5	50	38	456	10.15	0.25	3.25
340734		1.59	<0.5	8.87	7	60	<0.5	3	7.52	<0.5	60	38	283	10.10	0.29	3.24
340735		0.75	<0.5	7.56	9	70	<0.5	3	6.80	<0.5	74	35	1510	13.35	0.39	3.06
340736		1.17	1.9	10.45	51	90	<0.5	5	7.03	<0.5	57	42	7990	5.94	0.15	1.29
340737		1.39	0.8	10.50	13	60	<0.5	<2	7.41	<0.5	102	84	4620	7.20	0.14	1.59
340738		1.06	<0.5	9.49	<5	60	<0.5	2	7.65	<0.5	54	30	247	9.38	0.26	3.02
340739		1.26	<0.5	8.24	<5	60	<0.5	3	5.78	<0.5	82	64	456	11.80	0.28	3.76
340740		1.33	<0.5	8.73	<5	80	<0.5	5	5.70	<0.5	43	125	93	10.70	0.50	3.19



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Account: METCOR

Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05063190

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
	Analyte Units LOR	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sr ppm 1	Ti % 0.01	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.001	Pt ppm 0.0005
340701		1535	<1	2.79	122	2240	6	2.17	<5	179	0.70	99	<10	133	0.028	0.0006
340702		2870	<1	2.15	117	1010	4	0.80	<5	116	0.77	309	<10	165	0.004	0.0010
340703		21600	<1	0.39	59	270	<2	1.78	<5	9	0.87	374	<10	1165	0.001	0.0005
340704		2250	1	3.20	166	1940	7	0.51	<5	135	1.74	92	<10	193	0.008	0.0008
340705		10100	<1	0.89	62	570	7	0.98	<5	59	0.81	278	<10	682	0.001	0.0006
340706		2410	1	1.54	112	1340	7	0.29	<5	140	0.54	186	<10	298	0.003	0.0011
340707		2540	1	1.69	318	3200	5	1.35	<5	114	1.41	172	<10	242	0.003	0.0006
340708		2500	<1	2.26	278	1910	7	0.66	<5	120	1.50	192	<10	294	0.002	0.0005
340709		5160	<1	0.98	162	1370	2	0.84	<5	36	1.20	364	<10	304	0.004	0.0012
340710		2490	<1	2.60	62	80	2	0.06	<5	82	1.12	640	<10	191	0.001	<0.0005
340711		2460	<1	0.72	72	550	<2	0.48	<5	37	0.37	142	<10	144	0.003	<0.0005
340712		1980	<1	0.87	135	3100	5	0.38	<5	23	0.23	78	<10	89	0.043	0.0007
340713		1810	1	2.97	55	490	4	0.65	<5	71	0.54	26	<10	76	0.004	<0.0005
340714		1370	<1	2.57	25	1160	<2	0.05	<5	76	0.32	6	<10	78	0.001	<0.0005
340715		1925	2	1.36	60	2050	3	0.39	<5	56	0.42	22	<10	124	0.002	<0.0005
340716		2300	<1	1.85	59	1140	<2	0.05	<5	94	1.25	388	<10	106	0.004	0.0006
340717		1435	<1	2.48	26	2240	<2	0.53	<5	92	0.43	6	<10	107	0.004	<0.0005
340718		1475	<1	1.44	63	1210	<2	0.14	<5	79	0.71	207	<10	87	0.012	<0.0005
340719		1445	<1	1.77	84	1660	<2	0.25	<5	92	0.77	83	<10	90	0.009	<0.0005
340720		1540	3	1.86	126	2820	4	0.38	<5	38	0.82	212	<10	225	0.002	0.0014
340721		1535	<1	1.83	105	1510	<2	0.43	<5	119	0.87	131	<10	191	<0.001	<0.0005
340722		1575	1	2.11	128	930	4	0.20	<5	95	1.22	221	<10	81	0.002	0.0007
340723		1275	<1	1.64	58	590	2	0.35	<5	91	0.80	207	<10	87	0.011	0.0006
340724		1920	<1	2.50	38	60	2	0.55	<5	138	1.38	154	80	132	0.001	0.0006
340725		949	1	1.91	146	1030	3	3.88	<5	104	1.01	240	<10	41	0.002	0.0010
340726		1495	<1	1.72	101	1770	<2	0.52	<5	80	1.24	320	<10	77	0.002	0.0010
340727		1855	<1	1.90	98	660	3	0.16	<5	154	1.17	196	<10	72	0.004	<0.0005
340728		9330	1	1.26	202	1970	<2	2.11	<5	77	0.94	146	<10	4140	0.071	0.0026
340729		1975	3	1.17	29	660	<2	0.21	<5	67	0.98	303	<10	239	0.005	<0.0005
340730		2020	<1	1.56	72	980	<2	0.05	<5	120	0.35	96	<10	98	0.003	0.0006
340731		1855	<1	2.56	17	650	<2	0.09	<5	122	0.48	30	<10	48	0.005	<0.0005
340732		1065	1	2.30	168	130	<2	0.04	<5	140	0.61	394	<10	58	0.002	0.0388
340733		1430	<1	1.79	238	340	<2	0.18	<5	137	1.43	418	<10	65	0.018	0.0592
340734		1305	<1	1.98	264	230	4	0.26	<5	138	1.16	333	<10	75	0.014	0.0474
340735		1625	<1	1.30	515	300	2	1.17	<5	93	0.72	502	<10	79	0.021	0.0520
340736		740	<1	3.13	1045	250	<2	1.16	<5	239	0.35	116	<10	97	0.227	0.240
340737		809	1	2.60	1170	320	<2	1.45	<5	230	0.36	166	<10	70	0.056	0.267
340738		1205	1	2.21	254	300	<2	0.21	<5	168	0.75	267	<10	68	0.005	0.0596
340739		1680	1	1.70	404	1280	2	0.77	<5	92	1.10	221	<10	71	0.003	0.0372
340740		2060	1	1.61	174	480	2	0.08	<5	108	0.93	234	<10	72	0.001	0.0140



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## CERTIFICATE OF ANALYSIS TB05063190

Sample Description	Method Analyte Units LOR	PGM-MS24
		Pd ppm 0.001
340701		0.006
340702		0.005
340703		0.003
340704		0.011
340705		0.001
340706		0.010
340707		0.003
340708		0.003
340709		0.020
340710		0.004
340711		<0.001
340712		0.009
340713		0.001
340714		0.004
340715		<0.001
340716		0.004
340717		0.001
340718		0.004
340719		0.011
340720		0.002
340721		<0.001
340722		0.021
340723		0.002
340724		0.001
340725		0.007
340726		0.004
340727		0.012
340728		0.034
340729		<0.001
340730		0.001
340731		<0.001
340732		0.010
340733		0.248
340734		0.144
340735		0.071
340736		0.580
340737		0.481
340738		0.072
340739		0.068
340740		0.002



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**CERTIFICATE OF ANALYSIS TB05063190**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
340741		1.10	<0.5	9.25	21	60	<0.5	5	6.07	<0.5	60	89	213	10.30	0.37	3.06
340742		1.34	<0.5	9.78	<5	60	<0.5	2	7.54	<0.5	106	46	597	9.85	0.29	2.60
340743		1.75	<0.5	9.02	<5	100	<0.5	5	5.80	<0.5	102	36	613	9.40	0.60	3.05
340744		0.78	<0.5	9.39	9	110	<0.5	4	6.55	<0.5	47	52	92	9.76	0.53	3.11



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## CERTIFICATE OF ANALYSIS TB05063190

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
340741		1945	1	1.80	371	680	3	0.40	<5	124	0.72	239	<10	70	0.001	0.0097
340742		1155	4	2.10	543	880	<2	1.32	<5	165	0.87	432	<10	64	0.008	0.0269
340743		1295	1	2.08	557	1640	2	1.15	<5	182	0.48	246	<10	56	0.002	0.0349
340744		1610	<1	2.14	237	670	<2	0.12	<5	140	1.18	608	<10	68	0.008	0.0514



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Account: METCOR

Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05063190**

Sample Description	Method Analyte Units LOK	PGM-MS24 Pd ppm 0.001
340741 340742 340743 340744		0.004 0.136 0.045 0.231





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Page: 1  
Finalized Date: 17-AUG-2005  
Account: METCOR

## CERTIFICATE TB05065500

Project: NORTH ROCK

P.O. No.:

This report is for 41 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 9-AUG-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
309 S COURT ST  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05065500**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
340745		1.79	<0.5	7.84	<5	90	<0.5	<2	5.82	<0.5	60	45	344	9.24	0.53	3.65
340746		1.19	<0.5	10.65	<5	70	0.6	<2	6.38	<0.5	58	41	326	8.07	0.39	2.05
340747		0.91	<0.5	2.90	19	10	<0.5	<2	4.67	<0.5	90	1140	122	14.30	0.06	9.51
340748		1.36	<0.5	9.81	<5	150	<0.5	<2	6.82	<0.5	53	55	320	9.44	0.66	3.16
340749		0.97	<0.5	9.83	<5	130	<0.5	<2	6.02	<0.5	61	32	795	8.85	0.62	2.16
340750		1.45	<0.5	9.23	<5	60	<0.5	<2	6.89	<0.5	43	51	134	7.35	0.28	2.67
340751		1.32	<0.5	9.73	<5	90	<0.5	<2	6.43	<0.5	62	41	338	8.27	0.59	2.57
340752		0.80	<0.5	10.40	<5	110	<0.5	<2	6.51	<0.5	71	60	426	8.21	0.74	2.18
340753		1.68	<0.5	9.63	<5	410	0.5	<2	5.48	<0.5	71	38	736	7.49	2.00	2.21
340754		1.35	<0.5	7.43	<5	80	<0.5	<2	5.40	<0.5	41	62	233	13.40	0.40	2.25
340755		1.05	<0.5	7.48	<5	160	<0.5	<2	5.44	<0.5	46	54	292	10.20	0.59	3.40
340756		1.38	0.6	9.37	<5	50	0.7	<2	5.88	<0.5	56	53	3290	9.79	0.36	2.93
340757		2.07	<0.5	9.78	<5	60	<0.5	<2	6.91	<0.5	74	13	969	10.15	0.34	2.18
340758		1.13	<0.5	10.45	<5	50	<0.5	<2	8.14	<0.5	23	3	54	5.10	0.18	1.68
340759		0.75	<0.5	9.74	<5	40	<0.5	<2	7.60	<0.5	33	4	168	5.92	0.13	1.56
340760		1.53	<0.5	8.54	5	40	0.8	<2	7.59	<0.5	55	83	315	9.57	0.36	4.00
340761		1.18	<0.5	7.35	5	40	0.7	<2	6.13	<0.5	40	16	78	11.95	0.37	2.31
340762		1.40	<0.5	7.19	6	90	0.6	<2	5.19	<0.5	40	6	69	11.90	0.56	2.57
340763		1.54	<0.5	2.71	<5	<10	<0.5	<2	0.23	<0.5	79	817	33	36.4	0.01	8.61
340764		1.33	<0.5	6.15	<5	20	<0.5	<2	2.08	<0.5	96	1	1275	13.05	0.10	1.51
340765		0.96	<0.5	8.08	17	40	<0.5	<2	7.57	<0.5	40	84	11	7.50	0.18	5.14
340766		1.70	<0.5	10.10	<5	50	<0.5	<2	7.57	<0.5	31	3	94	6.42	0.60	2.61
340767		0.95	<0.5	10.65	<5	60	<0.5	<2	8.37	<0.5	27	5	46	5.33	0.32	1.86
340768		1.45	0.7	7.67	<5	90	0.5	<2	4.41	<0.5	56	34	4440	12.80	0.33	1.93
340801		1.18	<0.5	7.69	<5	140	<0.5	<2	5.18	<0.5	45	148	190	11.45	0.71	4.23
340802		1.21	<0.5	10.15	5	70	<0.5	<2	6.61	<0.5	80	19	592	8.12	0.29	2.37
340803		1.12	0.9	7.48	<5	40	<0.5	<2	6.49	<0.5	204	23	4430	13.90	0.33	3.34
340804		1.49	0.9	7.18	5	40	<0.5	<2	6.18	<0.5	190	23	5240	13.40	0.33	3.22
340805		0.66	<0.5	8.66	7	60	<0.5	<2	5.27	<0.5	19	4	737	5.63	0.33	1.47
340806		1.03	0.5	7.66	<5	140	<0.5	<2	6.38	<0.5	54	410	100	12.15	1.07	4.94
340807		1.18	<0.5	2.82	<5	10	<0.5	<2	3.90	<0.5	75	975	29	20.5	0.07	9.51
340808		1.06	<0.5	7.52	6	30	0.6	<2	5.37	<0.5	48	10	102	13.20	0.38	2.64
340809		1.25	<0.5	7.67	<5	90	<0.5	<2	6.49	<0.5	64	103	135	14.45	0.55	3.39
340810		0.97	<0.5	2.36	<5	<10	<0.5	<2	2.36	<0.5	41	664	83	18.25	0.04	11.00
340811		0.86	<0.5	6.13	<5	30	1.2	<2	3.08	<0.5	47	3	610	12.75	0.16	0.53
340812		1.13	<0.5	5.95	<5	40	0.5	<2	3.01	<0.5	111	<1	507	17.80	0.21	0.97
340813		1.12	<0.5	4.28	<5	10	<0.5	<2	4.09	<0.5	106	268	9	19.00	0.10	7.99
340814		0.99	<0.5	11.35	9	50	<0.5	<2	8.49	<0.5	33	17	433	4.86	0.39	1.40
340815		1.17	<0.5	10.75	<5	40	1.1	<2	7.34	<0.5	19	2	263	4.48	0.27	1.34
340816		1.02	<0.5	3.83	14	120	<0.5	<2	6.84	<0.5	68	950	119	11.50	0.49	8.42



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Total # Pages: 3 (A - C)  
Finalized Date: 17-AUG-2006  
Account: METCOR

Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05065500

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
340745		1350	<1	1.55	341	350	4	0.55	<5	118	0.05	325	<10	60	0.002	0.0298
340746		1105	2	3.05	168	330	4	0.32	<5	206	0.95	348	<10	53	0.004	0.0356
340747		2730	1	0.23	666	80	6	0.02	<5	5	0.39	323	<10	130	0.005	0.0128
340748		1445	<1	2.20	249	770	9	0.19	<5	240	0.80	359	<10	68	0.002	0.0465
340749		1125	<1	2.66	202	3330	10	0.41	<5	194	0.81	329	10	56	0.004	0.0612
340750		1160	<1	2.21	75	180	7	0.13	<5	197	0.66	287	<10	54	0.001	0.0088
340751		1245	<1	2.59	346	370	6	0.63	<5	188	0.80	401	10	49	0.005	0.0295
340752		931	74	2.41	374	180	9	0.74	<5	212	0.13	230	10	51	0.002	0.0217
340753		1160	<1	2.65	441	850	6	1.09	<5	346	0.73	275	10	50	0.002	0.1065
340754		2590	<1	1.65	19	690	5	0.21	<5	73	1.00	380	<10	104	0.002	0.0030
340755		1770	2	2.87	256	610	2	0.54	<5	268	1.01	391	<10	68	0.004	0.1260
340756		1315	3	2.51	224	3930	6	0.94	<5	196	0.60	408	10	61	0.031	0.0643
340757		1320	<1	2.04	552	410	7	1.00	<5	148	0.77	410	10	75	0.021	0.0662
340758		822	<1	2.19	31	60	2	0.02	<5	167	0.21	182	<10	36	0.001	0.0011
340759		641	<1	2.05	50	130	5	0.01	<5	151	0.55	428	<10	38	0.001	0.0009
340760		1200	12	1.35	178	430	10	1.13	<5	134	0.48	434	10	108	0.001	0.0037
340761		2090	1	2.02	16	1110	7	0.18	<5	166	1.18	344	10	95	<0.001	<0.0005
340762		1580	<1	2.11	17	1020	10	0.11	<5	116	1.26	359	<10	170	0.014	<0.0005
340763		2660	1	0.01	462	80	4	0.01	<5	1	1.13	2280	10	120	<0.001	0.0010
340764		2110	<1	1.73	72	2160	2	0.82	<5	87	0.56	14	<10	285	0.013	<0.0005
340765		1625	<1	1.65	120	110	5	0.01	<5	133	0.28	203	<10	77	0.001	0.0005
340766		834	4	1.73	65	70	5	0.09	<5	122	0.60	330	<10	51	0.001	0.0027
340767		736	<1	2.14	51	160	17	0.08	<5	136	0.18	111	<10	58	0.001	0.0012
340768		1750	1	3.07	72	370	7	0.67	<5	154	1.27	468	<10	95	0.029	<0.0005
340801		1835	1	1.45	69	140	4	0.04	<5	86	0.93	155	10	83	0.001	0.0028
340802		852	1	2.38	42	400	12	0.69	<5	152	0.86	462	<10	42	0.002	0.0037
340803		1510	<1	1.42	2070	230	12	3.80	<5	101	0.53	355	<10	83	0.046	0.0800
340804		1490	<1	1.39	1800	230	10	3.70	<5	98	0.51	332	10	83	0.038	0.1545
340805		516	<1	1.84	45	50	5	0.10	<5	110	0.14	133	10	29	0.010	0.0111
340806		1555	<1	1.25	178	90	5	0.17	<5	76	0.48	337	10	102	0.001	<0.0005
340807		2860	1	0.25	189	130	6	0.05	<5	12	1.08	749	<10	121	0.002	0.0021
340808		2230	2	1.93	22	1060	9	0.29	<5	141	1.27	403	<10	116	0.001	<0.0005
340809		1385	<1	1.45	76	230	<2	0.30	<5	97	1.29	1045	<10	122	<0.001	<0.0005
340810		2530	6	0.03	96	180	6	0.22	<5	3	1.04	728	10	108	0.001	0.0023
340811		2140	<1	1.13	29	1640	7	0.59	5	75	0.45	24	<10	162	0.003	<0.0005
340812		3190	17	1.28	87	730	7	0.61	<5	55	0.79	62	<10	143	0.001	<0.0005
340813		1810	<1	0.37	782	60	5	0.01	<5	19	0.93	611	<10	130	0.001	0.0032
340814		591	<1	1.71	116	430	3	0.32	<5	194	0.15	116	10	31	0.009	0.0099
340815		556	8	2.34	22	60	10	0.31	5	156	0.18	121	<10	36	0.002	0.0012
340816		1380	<1	0.69	232	90	3	0.02	<5	39	0.53	451	<10	88	0.002	<0.0005



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Account: METCOR

Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05065500

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
340745		0.034
340746		0.026
340747		0.019
340748		0.009
340749		0.084
340750		0.005
340751		0.844
340752		0.138
340753		0.216
340754		0.004
340755		0.348
340756		0.104
340757		0.076
340758		<0.001
340759		0.001
340760		0.015
340761		0.001
340762		<0.001
340763		<0.001
340764		0.002
340765		0.001
340766		0.002
340767		<0.001
340768		0.011
340801		0.028
340802		0.004
340803		0.182
340804		0.222
340805		0.003
340806		<0.001
340807		0.002
340808		<0.001
340809		0.001
340810		0.001
340811		0.001
340812		0.003
340813		0.003
340814		0.016
340815		<0.001
340816		0.001



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05065500**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Reovd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
340817		1.37	<0.5	7.23	5	70	0.5	<2	5.77	<0.5	53	3	1185	12.35	0.31	2.26



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 Account: METCOR

Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05065500**

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
340817		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
		1565	<1	2.09	73	480	6	0.19	<5	152	0.70	211	<10	83	0.013	<0.0005



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05065500**

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
340817		0.001



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**CERTIFICATE TB05067585**

Project: NORTH ROCK  
 P.O. No.:  
 This report is for 72 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 19-AUG-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
 NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
 ATTN: A.D. MACTAVISH  
 309 S COURT ST  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:





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 Total # Pages: 3 (A - C)  
 Finalized Date: 30-AUG-2006  
 Account: METCOR

Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05067585**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
340769		1.42	<0.5	6.03	<5	90	0.7	<2	4.00	<0.5	91	39	3260	7.88	0.19	0.72
340770		1.42	<0.5	6.86	<5	70	<0.5	3	5.58	<0.5	67	19	428	15.50	0.21	2.42
340771		1.18	<0.5	7.12	<5	40	<0.5	2	6.30	<0.5	53	20	376	15.25	0.27	2.96
340772		1.06	<0.5	6.09	<5	30	0.7	<2	2.18	<0.5	81	36	399	8.85	0.09	0.56
340773		0.98	<0.5	5.87	<5	70	1.2	2	3.25	<0.5	84	37	965	8.93	0.17	0.77
340774		1.64	<0.5	5.69	<5	30	0.8	3	3.11	<0.5	54	48	870	14.65	0.12	0.48
340775		1.30	<0.5	6.96	10	60	0.6	2	5.36	<0.5	54	27	873	11.85	0.21	1.53
340776		1.40	<0.5	6.31	<5	40	0.7	<2	2.74	<0.5	48	41	451	14.70	0.10	0.71
340777		0.93	6.2	5.50	184	60	1.3	<2	1.78	<0.5	293	32	>10000	9.77	0.14	0.36
340778		1.14	<0.5	5.92	<5	80	1.0	<2	2.29	<0.5	87	58	560	7.84	0.12	0.69
340779		1.05	<0.5	9.67	6	90	<0.5	<2	7.30	<0.5	30	19	404	4.83	0.26	0.73
340780		1.38	<0.5	10.05	<5	70	<0.5	<2	7.45	<0.5	54	32	582	7.68	0.42	1.22
340781		1.24	<0.5	7.54	<5	30	<0.5	2	7.29	<0.5	63	27	348	12.10	0.29	3.29
340782		0.99	<0.5	7.02	<5	80	0.7	<2	4.24	<0.5	36	23	396	7.74	0.19	1.11
340783		1.56	<0.5	6.60	<5	60	<0.5	2	5.72	<0.5	74	21	564	10.90	0.15	1.67
340784		0.70	<0.5	6.40	6	190	<0.5	2	5.86	<0.5	307	12	1470	14.20	0.63	1.38
340785		1.50	<0.5	8.42	<5	50	<0.5	<2	5.97	<0.5	80	8	964	12.50	0.24	1.96
340786		1.39	<0.5	9.79	<5	130	<0.5	<2	6.91	<0.5	36	41	688	6.99	0.39	1.88
340787		1.16	<0.5	2.88	<5	20	<0.5	<2	10.40	<0.5	49	1455	182	9.18	0.08	7.91
340788		1.71	<0.5	7.65	<5	40	<0.5	2	7.33	<0.5	62	26	194	12.80	0.30	3.31
340789		1.16	<0.5	4.10	<5	20	<0.5	2	7.04	<0.5	132	144	1535	13.25	0.17	5.61
340790		1.54	<0.5	9.32	11	110	<0.5	3	6.02	<0.5	85	99	370	10.25	0.45	1.92
340791		1.06	<0.5	4.65	6	30	<0.5	<2	7.18	<0.5	94	161	2410	11.65	0.29	5.40
340792		1.28	0.8	8.59	<5	120	<0.5	<2	5.04	<0.5	312	19	8700	11.35	0.60	1.71
340793		1.45	<0.5	5.45	12	50	<0.5	2	7.47	<0.5	102	198	1610	11.55	0.35	5.15
340794		0.85	<0.5	5.94	<5	30	<0.5	<2	7.09	<0.5	51	173	255	8.54	0.33	5.00
340795		1.42	<0.5	4.55	<5	10	<0.5	2	7.07	<0.5	200	207	681	13.90	0.19	5.43
340796		1.20	<0.5	3.00	<5	<10	<0.5	<2	2.19	<0.5	131	644	63	19.05	0.02	9.05
340797		1.11	<0.5	2.82	<5	30	0.6	2	6.02	<0.5	94	941	255	21.5	0.20	6.14
340798		1.10	<0.5	3.53	27	20	0.6	<2	7.70	<0.5	111	1225	409	15.05	0.33	5.45
340799		1.94	0.7	4.98	<5	70	1.3	<2	6.78	<0.5	358	60	5640	25.4	0.72	1.45
340800		1.35	1.0	4.48	<5	60	1.0	<2	7.32	<0.5	159	1115	8620	19.20	0.63	2.81
340818		0.83	0.5	5.75	<5	20	0.8	<2	1.96	<0.5	27	48	396	11.45	0.06	0.58
340819		1.94	<0.5	5.99	<5	100	0.7	<2	4.64	<0.5	88	31	2190	10.90	0.26	1.43
340820		0.84	<0.5	6.65	8	90	<0.5	<2	4.12	<0.5	47	22	794	10.80	0.18	1.28
340821		1.13	<0.5	7.14	12	50	<0.5	3	4.74	<0.5	60	23	1060	10.70	0.23	1.59
340822		1.04	<0.5	6.00	<5	30	0.8	<2	4.35	<0.5	112	27	1085	12.90	0.13	1.53
340823		0.86	<0.5	5.85	<5	60	0.9	<2	2.41	<0.5	105	39	878	5.38	0.07	0.63
340824		1.13	<0.5	6.00	<5	50	1.2	<2	3.57	<0.5	75	17	510	13.30	0.20	0.93
340825		0.81	<0.5	5.98	<5	20	<0.5	3	4.22	<0.5	60	25	1870	9.81	0.11	1.25



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05067585**

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
LOR	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
340769	701	8	2.02	148	1230	8	0.85	<5	108	0.38	243	<10	75		0.033
340770	1590	<1	1.94	77	870	13	0.26	<5	152	1.00	502	<10	56		0.002
340771	1930	<1	1.89	55	270	9	0.06	<5	99	1.20	632	<10	75		0.006
340772	735	<1	2.85	99	1300	14	0.65	<5	47	0.36	38	<10	53		0.001
340773	1120	<1	1.91	192	1290	9	0.98	<5	89	0.28	84	<10	59		0.003
340774	3600	<1	0.89	34	2030	7	0.40	<5	46	0.50	14	<10	162		0.008
340775	1260	1	2.35	63	720	13	0.53	<5	209	1.33	144	<10	62		0.004
340776	1450	<1	2.68	138	2170	10	0.55	5	67	0.69	16	<10	138		0.003
340777	2710	4	2.00	142	910	6	2.91	<5	59	0.25	7	<10	78	1.42	0.234
340778	621	14	2.71	102	1280	6	0.83	<5	79	0.28	29	<10	42		0.006
340779	546	1	3.31	30	190	8	0.38	<5	180	0.08	164	<10	45		0.002
340780	937	<1	1.99	134	2050	8	0.33	<5	169	0.68	142	<10	54		0.005
340781	1485	<1	1.52	81	240	6	0.38	<5	94	0.88	572	10	39		0.002
340782	1310	<1	1.84	35	690	8	0.21	<5	134	0.80	134	<10	67		0.001
340783	1610	1	2.19	118	770	10	0.55	<5	156	0.91	94	<10	42		0.005
340784	1140	1	2.19	385	>10000	17	6.07	<5	171	1.17	317	<10	31		0.004
340785	1560	1	3.10	161	3400	10	0.69	<5	125	0.09	144	<10	98		0.013
340786	1030	2	2.39	80	280	7	0.04	<5	257	0.35	190	<10	66		0.015
340787	1810	1	0.34	309	40	6	0.08	<5	75	1.45	170	10	115		0.002
340788	1770	<1	1.38	82	420	7	0.20	<5	100	0.99	696	10	76		0.001
340789	2220	<1	0.70	882	320	7	1.04	<5	41	0.88	394	<10	106		0.008
340790	1185	20	2.35	245	750	8	0.43	<5	140	0.72	265	<10	65		0.001
340791	1875	<1	0.80	687	100	7	0.85	<5	61	0.49	212	<10	111		0.043
340792	775	<1	2.18	1670	3440	6	3.34	<5	113	0.21	377	<10	99		0.063
340793	1830	<1	0.62	586	90	7	0.81	<5	53	0.47	252	<10	80		0.022
340794	1455	<1	1.37	186	200	8	0.03	<5	128	0.48	244	<10	66		0.008
340795	2470	<1	0.60	805	80	3	0.80	<5	8	0.35	203	<10	84		0.003
340796	2270	1	0.08	905	120	5	0.07	<5	4	0.81	654	<10	97		0.001
340797	1960	<1	0.61	424	1260	5	0.23	<5	25	0.64	173	<10	48		0.001
340798	1385	<1	0.74	503	3110	7	0.38	<5	23	0.73	295	<10	65		0.007
340799	1765	8	0.88	1500	340	9	3.83	<5	33	0.19	62	<10	94		0.092
340800	1455	9	0.76	746	470	16	2.60	<5	26	0.75	204	<10	79		0.259
340818	4130	<1	1.39	18	1240	7	0.20	<5	61	0.39	3	<10	155		0.007
340819	1060	21	1.51	83	1760	8	1.07	<5	106	0.56	318	<10	51		0.021
340820	1315	1	2.31	53	1020	7	0.22	<5	145	1.28	354	<10	37		0.008
340821	1565	5	2.99	84	4830	6	0.25	<5	150	1.75	163	<10	47		0.009
340822	1110	1	1.82	98	1640	7	1.77	<5	83	0.82	379	<10	49		0.002
340823	573	<1	2.79	224	2770	10	0.93	<5	82	0.33	5	<10	40		0.002
340824	1905	3	1.97	120	1000	5	0.59	<5	96	0.82	73	<10	100		0.001
340825	927	4	2.42	100	640	8	0.43	<5	175	0.67	146	<10	32		0.021



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05067585**

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm 0.0005	Pd ppm 0.001
340769		<0.0005	0.001
340770		<0.0005	0.001
340771		<0.0005	0.001
340772		<0.0005	0.002
340773		0.0009	0.001
340774		<0.0005	0.011
340775		<0.0005	0.007
340776		<0.0005	0.001
340777		0.0030	0.007
340778		<0.0005	0.001
340779		0.0016	<0.001
340780		0.0011	0.080
340781		<0.0005	0.001
340782		<0.0005	<0.001
340783		<0.0005	0.002
340784		0.0007	0.033
340785		<0.0005	0.003
340786		0.0033	0.006
340787		<0.0005	<0.001
340788		0.0025	0.003
340789		0.0505	0.158
340790		0.0319	0.018
340791		0.0554	0.149
340792		0.0120	0.162
340793		0.0884	0.210
340794		0.0405	0.053
340795		0.0250	0.080
340796		0.0008	0.002
340797		0.0039	0.007
340798		0.0058	0.018
340799		0.0008	0.007
340800		0.0065	0.005
340818		<0.0005	0.001
340819		0.0006	0.001
340820		<0.0005	0.002
340821		<0.0005	<0.001
340822		<0.0005	0.002
340823		<0.0005	0.003
340824		<0.0005	0.002
340825		<0.0005	<0.001



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05067585**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
340826		1.05	<0.5	6.04	<5	40	0.9	2	2.94	<0.5	57	20	507	12.60	0.09	0.59
340827		1.07	<0.5	5.64	5	40	0.8	<2	1.99	<0.5	78	35	507	5.06	0.08	0.42
340828		1.02	<0.5	7.11	<5	80	<0.5	<2	5.53	<0.5	35	78	60	14.70	0.50	1.35
340829		0.93	<0.5	8.21	<5	290	<0.5	<2	3.83	<0.5	38	64	459	13.50	1.76	1.25
340830		0.86	<0.5	6.53	<5	50	0.8	<2	4.07	<0.5	48	13	300	11.80	0.27	1.03
340831		0.60	<0.5	6.46	7	50	<0.5	<2	5.39	<0.5	41	8	265	13.95	0.26	1.78
340832		1.44	<0.5	6.97	<5	50	<0.5	2	5.37	<0.5	43	12	600	10.55	0.25	2.00
340833		0.98	<0.5	9.71	<5	50	<0.5	<2	7.50	<0.5	16	15	87	6.41	0.26	1.48
340834		0.85	<0.5	10.30	<5	40	<0.5	<2	7.45	<0.5	31	13	70	6.83	0.19	1.74
340835		1.04	<0.5	1.15	<5	10	<0.5	<2	1.10	<0.5	140	1835	17	27.3	0.01	11.35
340836		2.77	0.7	5.87	5	30	<0.5	<2	8.02	<0.5	67	412	1990	12.10	0.19	3.91
340837		1.32	1.1	10.35	72	220	0.7	4	3.72	<0.5	78	70	6020	8.00	0.75	0.61
340838		1.07	<0.5	6.05	1095	100	1.1	2	7.42	<0.5	190	71	487	18.40	0.50	2.49
340839		1.10	<0.5	8.90	<5	60	<0.5	<2	6.71	<0.5	76	120	614	8.77	0.23	2.94
340840		1.30	<0.5	9.95	<5	160	<0.5	<2	6.57	<0.5	102	39	1620	10.35	0.59	1.54
340841		1.21	0.7	8.45	<5	70	<0.5	<2	6.28	<0.5	82	37	4380	12.05	0.46	2.52
340842		0.87	<0.5	7.29	6	40	<0.5	<2	9.02	<0.5	43	48	1040	7.21	0.15	4.21
340843		1.29	3.6	6.34	<5	30	<0.5	<2	6.03	<0.5	77	4	>10000	13.50	0.27	2.63
340844		2.17	<0.5	3.73	10	70	<0.5	<2	5.36	<0.5	79	760	48	14.35	0.39	7.54
340845		1.03	<0.5	4.06	635	50	0.6	<2	7.52	<0.5	297	1400	1710	16.50	0.44	4.61
340846		1.35	<0.5	9.76	<5	140	0.5	<2	7.48	<0.5	21	13	72	3.90	1.07	1.22
340847		1.05	<0.5	4.05	733	70	0.5	<2	7.22	<0.5	237	1425	603	18.40	0.38	4.54
340848		1.44	<0.5	3.00	6	20	1.9	<2	8.43	<0.5	186	1225	956	15.60	0.18	5.00
340849		1.44	<0.5	4.39	<5	40	0.8	2	8.16	<0.5	121	2070	472	15.35	0.33	4.28
340850		0.95	<0.5	3.45	<5	30	0.7	2	7.57	<0.5	204	1445	728	18.15	0.24	3.82
340851		0.95	<0.5	7.28	7	40	0.5	2	6.13	<0.5	48	50	184	12.15	0.30	3.06
340852		1.44	<0.5	10.40	<5	60	<0.5	<2	7.07	<0.5	90	68	1480	5.92	0.30	1.48
340853		1.45	1.0	6.95	<5	40	<0.5	<2	6.70	<0.5	101	149	7930	10.60	0.22	5.35
340854		0.88	<0.5	7.24	7	40	0.5	<2	5.74	<0.5	71	54	510	12.60	0.23	2.85
340855		1.33	3.3	8.05	<5	120	0.5	<2	6.36	0.6	68	27	7500	11.50	0.45	3.25
340856		1.29	3.2	7.91	10	60	<0.5	<2	8.95	<0.5	75	69	9890	9.88	0.27	4.72
340857		1.00	3.7	7.28	<5	40	<0.5	2	7.85	<0.5	67	69	4590	11.90	0.29	4.01



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## CERTIFICATE OF ANALYSIS TB05067585

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24	
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Cu %	Au ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
340826		2010	<1	1.64	54	700	8	0.18	<5	104	0.70	28	<10	235		0.009
340827		336	1	2.45	115	330	5	0.42	<5	97	0.33	19	<10	20		0.002
340828		8650	<1	0.70	46	140	7	0.14	<5	38	0.29	169	<10	617		0.003
340829		4110	<1	0.97	30	30	12	0.42	<5	37	0.17	84	<10	416		0.004
340830		1485	<1	2.36	57	760	9	0.27	<5	106	0.91	325	<10	57		0.001
340831		1580	<1	2.00	53	190	10	0.05	<5	94	1.05	255	<10	73		0.005
340832		1150	<1	2.34	68	490	6	1.17	<5	206	1.08	311	<10	57		0.001
340833		733	<1	1.88	24	90	11	0.14	<5	146	0.64	437	<10	47		0.001
340834		991	<1	1.96	52	190	9	0.04	<5	134	0.64	274	<10	61		0.001
340835		1260	<1	0.03	1560	410	6	0.01	<5	5	0.74	601	<10	89		0.001
340836		1515	7	0.93	234	310	12	0.01	<5	161	0.28	316	<10	66		0.102
340837		1395	1	3.55	239	80	13	0.81	<5	291	1.92	128	10	87		0.080
340838		1405	1	1.20	2580	590	11	0.96	<5	47	0.96	217	10	52		0.140
340839		1345	<1	2.31	433	180	7	0.64	<5	256	0.45	227	<10	65		0.007
340840		1055	<1	2.11	461	4870	13	1.30	<5	142	0.82	228	<10	67		0.010
340841		966	25	1.69	332	4770	12	0.70	<5	102	0.47	644	<10	105		0.044
340842		1405	1	1.46	267	130	2	0.06	<5	138	0.30	283	<10	136		0.015
340843		1615	<1	0.72	80	60	20	1.83	<5	83	0.83	156	<10	112	1.17	0.258
340844		1710	<1	0.69	380	20	4	0.02	<5	27	1.13	732	<10	124		0.002
340845		1440	<1	0.78	1235	3650	2	1.36	<5	23	0.85	196	<10	69		0.066
340846		813	<1	2.25	35	200	4	0.17	<5	255	0.19	104	<10	33		0.002
340847		1395	<1	0.71	698	3050	3	1.27	<5	33	0.74	201	<10	39		0.095
340848		1995	1	0.40	1395	2850	3	2.11	<5	33	0.93	243	<10	114		0.003
340849		1675	1	0.67	734	830	4	1.24	<5	29	1.52	355	<10	92		0.001
340850		1425	1	0.65	1485	1060	5	2.34	<5	30	1.08	246	<10	55		0.001
340851		1315	1	2.29	39	620	<2	0.26	<5	152	0.99	401	<10	44		0.002
340852		653	1	2.82	1700	220	<2	1.61	<5	281	0.37	162	<10	31		0.005
340853		1495	<1	1.29	1525	130	2	2.28	<5	81	0.32	194	<10	90		0.029
340854		1395	1	2.47	48	850	<2	0.32	<5	130	1.00	440	<10	48		0.004
340855		1570	<1	1.84	193	480	3	0.97	<5	247	0.86	375	<10	110		0.056
340856		1400	<1	1.18	438	20	2	1.84	<5	182	0.41	432	<10	102		0.094
340857		1505	13	1.26	168	120	4	0.12	<5	126	0.29	189	<10	87		0.045



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05067585**

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm 0.0005	Pd ppm 0.001
340826		<0.0005	<0.001
340827		<0.0005	0.004
340828		0.0009	0.001
340829		0.0007	<0.001
340830		0.0007	0.001
340831		<0.0005	0.008
340832		<0.0005	0.001
340833		0.0008	<0.001
340834		0.0012	0.001
340835		0.0032	0.002
340836		<0.0005	0.001
340837		0.0225	0.015
340838		0.0005	0.034
340839		0.0232	0.088
340840		0.0142	0.210
340841		0.0288	0.493
340842		0.0330	0.064
340843		<0.0005	0.004
340844		0.0029	0.004
340845		0.0069	0.366
340846		0.0011	0.002
340847		0.0065	0.010
340848		0.0044	0.016
340849		0.0091	0.009
340850		0.0028	0.010
340851		0.0016	0.002
340852		0.0333	0.055
340853		0.0778	0.172
340854		0.0015	0.002
340855		0.1115	0.082
340856		0.1430	0.077
340857		0.467	0.013



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## CERTIFICATE TB05069507

Project: NORTH ROCK

P.O. No.:

This report is for 41 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 26-AUG-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05069507**

Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 Al %	ME-ICP61 As ppm	ME-ICP61 Ba ppm	ME-ICP61 Be ppm	ME-ICP61 Bi ppm	ME-ICP61 Ca %	ME-ICP61 Cd ppm	ME-ICP61 Co ppm	ME-ICP61 Cr ppm	ME-ICP61 Cu ppm	ME-ICP61 Fe %	ME-ICP61 K %	ME-ICP61 Mg %
340858	1.70	<0.5	4.44	<5	60	0.8	<2	7.99	<0.5	118	1540	263	17.55	0.45	4.03
340859	0.81	<0.5	2.54	<5	30	0.8	<2	7.66	0.5	97	1140	157	22.5	0.23	5.73
340860	2.22	<0.5	3.69	<5	30	0.7	<2	7.86	<0.5	121	1285	722	15.25	0.32	6.05
340861	1.22	<0.5	2.77	5	30	0.5	<2	7.61	<0.5	135	1070	769	13.10	0.18	7.04
340862	0.86	<0.5	7.75	<5	40	<0.5	<2	6.25	<0.5	48	65	329	11.85	0.20	3.40
340863	1.27	1.1	5.76	<5	50	<0.5	<2	6.85	<0.5	120	176	4180	12.10	0.27	4.92
340864	0.94	<0.5	3.03	<5	40	0.7	<2	11.05	<0.5	106	1020	730	16.85	0.16	6.24
340865	0.90	<0.5	3.36	<5	40	<0.5	<2	3.60	<0.5	90	741	46	30.0	0.07	6.05
340866	1.31	<0.5	10.70	<5	100	<0.5	<2	7.34	<0.5	69	52	484	9.53	0.49	2.30
340867	0.77	<0.5	10.65	5	110	<0.5	<2	7.78	<0.5	11	19	1045	2.15	0.37	0.30
340888	0.66	<0.5	10.25	<5	50	<0.5	<2	7.25	<0.5	40	38	237	7.15	0.31	1.70
340869	0.73	<0.5	7.63	<5	80	<0.5	<2	6.69	<0.5	41	70	25	9.72	0.30	3.87
340870	0.91	<0.5	8.56	<5	70	<0.5	<2	6.31	<0.5	63	61	1200	10.10	0.26	3.98
340871	1.12	<0.5	8.11	<5	70	<0.5	<2	6.57	<0.5	208	22	2030	14.00	0.34	2.82
340872	1.75	<0.5	8.43	<5	80	<0.5	<2	6.99	<0.5	166	29	1705	13.35	0.39	3.01
340873	1.27	0.5	8.93	<5	50	<0.5	<2	7.21	<0.5	114	34	3870	10.80	0.24	3.03
340874	0.60	<0.5	8.29	<5	50	<0.5	<2	7.53	<0.5	50	88	164	9.38	0.21	4.50
340875	0.64	<0.5	10.85	<5	50	<0.5	<2	8.33	<0.5	43	24	436	3.48	0.18	0.46
340876	1.21	<0.5	8.28	5	80	<0.5	<2	7.01	<0.5	43	78	111	11.25	0.40	3.62
340877	0.88	<0.5	8.78	<5	70	<0.5	<2	7.57	<0.5	56	31	796	9.99	0.27	3.66
340878	1.58	0.5	4.47	<5	30	<0.5	<2	6.85	<0.5	135	505	2080	15.30	0.18	7.09
340879	1.00	<0.5	7.14	<5	40	<0.5	<2	6.96	<0.5	83	9	559	14.55	0.22	3.65
340880	0.95	<0.5	9.82	<5	60	<0.5	<2	6.67	<0.5	84	131	1830	8.77	0.17	3.62
340881	0.85	<0.5	8.41	<5	80	0.7	<2	5.66	<0.5	29	126	198	7.47	0.48	3.83
340882	1.83	<0.5	7.76	<5	170	1.8	<2	7.05	<0.5	39	69	534	8.69	0.44	4.24
340883	0.94	<0.5	2.85	<5	10	1.0	<2	10.65	<0.5	58	1350	350	10.60	0.10	7.80
340884	1.74	<0.5	11.50	<5	140	<0.5	<2	7.70	<0.5	21	33	208	4.24	0.41	1.03
340885	0.75	<0.5	2.72	<5	60	<0.5	<2	6.52	<0.5	54	791	27	13.05	0.33	9.77
340886	0.91	<0.5	4.97	<5	10	0.7	<2	4.22	<0.5	76	124	411	11.35	0.06	5.87
340887	0.94	<0.5	5.53	<5	20	<0.5	<2	3.68	<0.5	62	76	221	15.60	0.09	3.82
340888	0.92	<0.5	6.43	<5	60	<0.5	<2	5.27	<0.5	72	8	282	16.85	0.28	2.66
340889	1.10	<0.5	6.75	<5	30	<0.5	<2	6.08	<0.5	71	11	557	14.55	0.20	2.53
340890	1.09	<0.5	8.71	<5	30	<0.5	<2	6.76	<0.5	43	20	507	8.35	0.17	3.17
340891	0.90	<0.5	9.78	<5	80	3.0	<2	7.18	<0.5	44	81	563	7.73	0.56	2.91
340892	0.96	<0.5	10.85	<5	100	0.6	<2	5.87	<0.5	40	45	1145	5.93	0.66	1.21
340893	0.78	<0.5	6.36	<5	30	0.6	<2	1.39	<0.5	14	34	289	2.48	0.04	0.44
340901	0.60	<0.5	6.17	<5	40	<0.5	<2	2.88	<0.5	71	25	654	13.75	0.16	1.88
340902	1.42	<0.5	9.58	<5	50	<0.5	<2	7.69	<0.5	60	74	1435	9.02	0.24	3.37
340903	2.10	<0.5	2.56	<5	10	<0.5	<2	5.11	<0.5	58	691	23	20.5	0.02	8.86
340904	1.94	<0.5	6.21	<5	220	<0.5	<2	4.78	<0.5	56	15	415	17.80	0.54	2.12





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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05069507

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24	
		Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sr ppm 1	Ti % 0.01	V ppm 1	W ppm 10	Zn ppm 2	Au ppm 0.001	Pt ppm 0.0005
340858		1520	<1	0.95	769	460	18	0.50	<5	30	0.93	247	<10	67	0.001	0.0086
340859		1430	<1	0.66	614	830	33	0.33	<5	39	0.54	141	<10	46	0.001	0.0037
340860		1260	<1	0.76	598	1890	17	0.85	<5	22	0.80	212	<10	51	0.001	0.0104
340861		1595	<1	0.69	1065	1330	12	0.90	<5	21	0.65	284	<10	62	0.009	0.0032
340862		2080	<1	2.22	35	210	16	0.15	<5	202	1.12	452	<10	112	0.005	0.0015
340863		1685	<1	1.25	1180	90	14	1.65	<5	84	0.41	215	<10	124	0.048	0.0749
340864		1825	<1	0.38	1090	420	18	0.51	<5	42	0.65	165	<10	94	0.012	0.0053
340865		1800	<1	0.26	838	50	30	0.02	<5	8	1.21	628	<10	134	0.001	0.0055
340866		1160	<1	2.05	232	1560	12	0.53	<5	141	0.39	273	<10	86	0.008	0.0010
340867		293	<1	3.18	25	20	2	0.12	<5	197	0.08	64	<10	55	0.022	0.0012
340868		1030	<1	1.71	61	60	9	0.13	<5	132	0.39	549	<10	57	0.010	0.0006
340869		1845	<1	1.58	55	270	12	0.01	<5	103	0.47	255	<10	78	0.001	0.0027
340870		1590	<1	2.39	307	80	10	0.52	<5	203	0.47	515	<10	140	0.028	0.0687
340871		1215	<1	1.62	1640	110	15	2.95	<5	165	0.72	548	<10	75	0.005	0.0171
340872		1380	<1	1.60	1260	120	19	1.89	<5	134	0.83	782	<10	90	0.009	0.0219
340873		1250	<1	1.88	1440	160	13	1.87	<5	142	0.43	363	<10	86	0.031	0.0505
340874		1730	<1	1.60	80	130	14	0.04	<5	114	0.34	245	<10	87	0.004	0.0034
340875		374	<1	2.83	157	90	6	0.49	<5	245	0.03	72	<10	26	0.023	0.0020
340876		1815	<1	1.49	56	280	12	0.05	<5	111	0.55	321	<10	90	0.001	0.0024
340877		1540	<1	1.69	192	180	12	0.26	<5	134	0.73	666	<10	81	0.014	0.1035
340878		2310	<1	0.88	506	360	15	1.44	<5	41	1.46	488	<10	238	0.013	0.0077
340879		2090	<1	1.95	356	140	14	0.45	<5	201	1.13	479	<10	93	0.004	0.0158
340880		1250	<1	2.89	178	50	10	1.33	<5	562	0.45	259	<10	95	0.011	0.0124
340881		1185	<1	3.41	72	50	10	0.36	<5	245	0.61	218	<10	78	0.001	0.0044
340882		1255	<1	2.38	92	520	11	1.03	<5	231	0.42	219	<10	99	0.002	0.0073
340883		2110	<1	0.27	209	90	10	0.57	<5	42	0.56	413	<10	189	0.002	0.0005
340884		441	<1	2.78	27	10	10	0.45	<5	274	0.14	112	<10	38	0.001	0.0018
340885		2530	<1	0.28	403	20	12	0.02	<5	12	1.60	334	<10	130	0.003	0.0016
340886		1585	<1	0.76	467	4710	10	0.42	<5	80	0.25	45	<10	297	0.002	0.0041
340887		2460	<1	1.93	56	270	18	0.17	<5	77	0.28	118	<10	130	0.001	<0.0005
340888		2190	1	2.20	71	310	18	0.21	<5	112	1.17	530	<10	63	0.002	<0.0005
340889		1850	<1	1.77	91	510	17	0.68	<5	85	0.96	518	<10	94	0.001	<0.0005
340890		1040	1	1.98	60	80	17	0.71	<5	121	0.44	247	<10	54	0.001	<0.0005
340891		1085	190	2.07	62	210	11	1.23	<5	170	0.80	378	<10	75	0.001	0.0022
340892		759	1	3.20	124	190	9	0.90	<5	234	0.59	104	<10	51	0.010	0.0005
340893		292	<1	3.67	21	20	2	0.14	<5	260	0.22	24	<10	12	0.002	<0.0005
340901		3130	<1	1.30	66	1650	13	1.07	<5	40	0.51	152	<10	214	0.002	0.0006
340902		1235	<1	1.99	379	190	5	0.49	<5	146	0.40	278	<10	77	0.032	0.1015
340903		1855	<1	0.21	606	1990	22	0.02	<5	11	1.65	852	<10	84	<0.001	0.0050
340904		1540	7	1.85	71	1020	17	0.33	<5	94	0.86	178	<10	48	0.003	<0.0005



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05069507**

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
340858		0.015
340859		0.005
340860		0.005
340861		0.002
340862		0.004
340863		0.218
340864		0.006
340865		0.003
340866		0.241
340867		0.001
340868		0.001
340869		0.002
340870		0.183
340871		0.076
340872		0.060
340873		0.128
340874		0.004
340875		0.061
340876		0.002
340877		0.269
340878		0.009
340879		0.043
340880		0.013
340881		0.008
340882		0.007
340883		0.001
340884		0.001
340885		0.047
340886		0.065
340887		0.002
340888		0.001
340889		0.001
340890		<0.001
340891		0.006
340892		0.006
340893		0.001
340901		0.006
340902		0.435
340903		0.007
340904		0.001



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## CERTIFICATE OF ANALYSIS TB05069507

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	
340905		0.74	<0.5	6.09	<5	40	<0.5	<2	2.21	<0.5	70	8	465	14.65	0.10	4.61



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05069507

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	PGM-MS24	PGM-MS24
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn	Au	Pt
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.001	0.0005
340905		2060	<1	1.74	93	1080	21	0.68	<5	42	0.93	457	<10	128	0.001	0.0005



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05069507**

Sample Description	Method Analyte Units LOR	PGM-MS24 Pd ppm 0.001
340905		0.005



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## CERTIFICATE TB05072943

Project: NORTH ROCK

P.O. No.:

This report is for 46 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 2-SEP-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05072943

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
340884		1.21	1.1	7.51	30	30	<0.5	<2	7.20	<0.5	81	27	3950	11.45	0.26	3.90
340885		1.21	<0.5	6.69	<5	120	2.5	<2	6.29	<0.5	43	88	299	8.69	0.51	4.08
340886		1.16	<0.5	10.55	<5	100	1.6	2	7.38	<0.5	23	29	250	6.58	0.47	2.06
340887		0.96	<0.5	10.15	27	150	6.2	<2	4.36	<0.5	20	30	530	3.28	0.24	0.20
340888		0.81	<0.5	9.62	<5	430	2.5	<2	4.55	<0.5	26	21	364	4.65	1.22	1.67
340889		0.73	<0.5	10.35	<5	250	10.8	2	5.20	<0.5	31	29	523	3.73	0.81	1.06
340900		1.39	<0.5	4.20	<5	340	5.9	2	1.50	<0.5	20	9	40	48.6	0.87	0.68
340906		1.16	0.8	8.54	5	80	<0.5	<2	7.44	<0.5	64	18	2490	9.52	0.40	3.90
340907		1.88	0.5	7.88	<5	60	<0.5	<2	6.53	<0.5	52	62	1525	8.41	0.29	3.34
340908		1.98	<0.5	6.92	14	160	1.4	<2	5.90	<0.5	144	135	876	14.85	0.79	1.85
340909		1.28	<0.5	6.18	29	40	<0.5	<2	6.36	<0.5	60	8	472	12.95	0.18	2.52
340910		0.58	<0.5	6.59	<5	50	<0.5	2	5.51	<0.5	63	12	293	16.15	0.25	2.27
340911		0.71	<0.5	6.74	<5	40	<0.5	<2	6.14	<0.5	56	13	729	14.35	0.19	2.84
340912		0.90	<0.5	6.97	14	80	0.5	<2	7.10	<0.5	60	15	583	14.15	0.26	2.48
340913		1.57	<0.5	6.34	29	40	<0.5	2	5.70	<0.5	92	12	573	18.60	0.18	2.36
340914		1.45	<0.5	6.94	<5	40	<0.5	2	5.45	<0.5	68	17	528	17.30	0.18	2.85
340915		1.58	1.6	4.95	<5	20	<0.5	2	5.46	<0.5	138	55	2030	15.50	0.19	2.58
340916		1.49	0.6	6.92	<5	30	0.6	2	5.48	<0.5	51	41	1965	12.15	0.23	2.51
340917		1.79	<0.5	6.96	7	50	1.0	2	3.99	<0.5	60	11	843	10.95	0.19	3.05
340918		1.87	1.1	8.17	12	20	<0.5	<2	4.43	<0.5	104	6	2400	18.35	0.15	3.90
340919		1.65	<0.5	6.56	<5	20	<0.5	3	4.83	<0.5	45	6	601	13.05	0.19	2.26
340920		1.50	<0.5	6.25	5	90	0.6	<2	5.84	<0.5	64	13	255	15.20	0.35	2.02
340921		1.71	<0.5	6.86	11	90	<0.5	<2	6.08	<0.5	56	20	392	13.20	0.31	3.41
340922		1.26	<0.5	3.84	>10000	130	0.7	29	0.83	<0.5	649	67	41	9.36	0.81	0.35
340951		1.48	<0.5	8.33	176	60	<0.5	<2	5.67	<0.5	55	90	496	13.00	0.33	2.56
340952		1.60	0.5	0.12	160	<10	<0.5	2	0.07	<0.5	2	127	2210	0.93	0.01	0.03
340953		0.83	<0.5	6.76	<5	40	<0.5	4	6.06	<0.5	48	20	445	13.30	0.23	2.81
340954		0.84	<0.5	6.19	12	40	<0.5	2	5.27	<0.5	63	24	249	14.05	0.15	2.71
340955		1.22	<0.5	6.17	5	60	0.5	<2	7.08	<0.5	69	16	469	13.05	0.24	2.49
340956		1.08	<0.5	6.33	21	30	<0.5	<2	5.35	<0.5	78	44	544	17.80	0.15	2.17
340957		1.57	1.1	0.28	7	<10	<0.5	<2	11.30	<0.5	166	2	5040	17.95	0.01	5.07
340958		1.37	1.7	4.08	10	40	<0.5	<2	5.24	<0.5	97	114	6230	20.2	0.17	4.09
340959		1.05	11.0	5.98	<5	40	<0.5	<2	6.25	<0.5	190	41	>10000	13.15	0.27	2.22
340960		1.20	<0.5	9.81	10	50	<0.5	<2	6.83	<0.5	69	18	457	4.32	0.16	0.76
340961		0.85	<0.5	7.07	17	130	<0.5	<2	6.41	<0.5	93	13	707	13.05	0.38	3.04
340962		0.88	<0.5	6.13	<5	30	<0.5	<2	6.10	<0.5	74	20	327	14.35	0.24	2.92
340963		0.96	<0.5	5.07	<5	10	<0.5	<2	1.51	<0.5	89	15	246	26.1	0.03	1.38
340964		1.53	<0.5	2.51	<5	10	<0.5	<2	0.81	<0.5	43	27	97	33.9	0.04	1.60
340965		0.99	<0.5	10.80	15	40	<0.5	<2	8.09	<0.5	37	17	1445	7.04	0.14	0.80
340966		0.96	1.6	8.94	<5	30	<0.5	<2	7.31	<0.5	45	21	6960	9.07	0.13	2.09



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05072943**

Sample Description	Method Analyte Units LOA	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24
		Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sr ppm 1	Ti % 0.01	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
340894		1475	<1	1.81	931	180	<2	0.67	<5	180	0.86	394	<10	109	0.089
340895		1555	7	1.53	70	340	<2	0.57	<5	151	0.44	273	<10	95	0.003
340896		1080	24	2.42	87	170	<2	0.46	<5	219	0.65	423	<10	76	0.002
340897		112	42	4.34	8	650	7	2.16	<5	1380	0.14	21	<10	13	0.002
340898		480	1	2.91	13	2810	5	1.20	<5	1085	0.41	116	<10	74	0.002
340899		415	2	3.57	14	3040	8	1.14	<5	1190	0.35	80	10	57	0.002
340900		2790	28	1.69	33	310	<2	0.16	<5	419	0.97	470	<10	255	0.001
340906		1905	<1	1.63	430	100	<2	0.37	<5	146	0.33	507	<10	80	0.072
340907		1340	<1	1.74	372	270	<2	0.28	<5	148	0.46	302	<10	82	0.080
340908		1245	1	2.15	1315	790	<2	1.45	<5	110	1.17	288	10	49	0.003
340909		1625	<1	2.14	166	910	3	0.30	<5	115	0.96	539	<10	53	0.005
340910		1965	1	2.18	62	380	3	0.21	<5	92	0.84	473	<10	87	0.004
340911		1605	1	1.71	82	330	<2	0.18	<5	101	1.03	650	<10	49	0.011
340912		1305	<1	1.65	122	640	<2	0.22	<5	102	0.94	584	<10	38	0.003
340913		2390	3	1.50	156	1000	<2	0.58	<5	83	0.93	537	<10	72	0.004
340914		2220	1	1.69	77	330	<2	0.26	<5	96	1.19	786	<10	89	0.007
340915		1965	488	0.73	209	1920	1025	2.15	<5	26	0.62	276	10	42	0.053
340916		1040	4	2.30	47	620	7	0.20	<5	138	0.99	380	<10	31	0.009
340917		2440	<1	2.02	89	1600	6	0.18	<5	90	0.90	358	<10	391	0.007
340918		3420	4	0.68	377	1310	<2	1.09	<5	9	1.26	84	10	196	0.021
340919		3310	2	1.77	93	420	<2	0.16	<5	85	1.05	480	10	189	0.011
340920		1880	1	0.99	59	940	<2	0.17	<5	37	1.14	285	<10	147	0.001
340921		2230	<1	1.63	84	240	<2	0.15	<5	101	1.08	1060	<10	119	0.005
340922		434	1	0.91	42	120	9	4.35	12	55	0.13	27	<10	71	0.252
340951		1910	<1	2.32	82	360	<2	0.49	<5	88	1.88	695	<10	64	0.001
340952		52	1	0.08	5	20	<2	0.25	<5	2	0.01	4	<10	6	0.011
340953		1740	<1	2.40	82	700	<2	0.37	<5	122	0.97	574	<10	67	0.004
340954		1600	4	2.15	103	650	<2	0.15	<5	110	0.90	305	<10	48	<0.001
340955		1515	<1	1.82	143	900	5	0.68	<5	105	0.94	514	10	85	<0.001
340956		2170	1	2.26	163	2900	8	0.26	<5	95	1.18	455	<10	52	<0.001
340957		9310	2	0.08	338	30	10	4.14	<5	104	0.01	18	20	42	0.012
340958		6830	98	0.44	236	1310	43	1.88	<5	29	0.46	202	20	58	0.853
340959		1060	85	1.97	420	3440	<2	4.31	<5	173	0.56	250	10	103	2.36
340960		332	<1	2.41	166	40	4	0.96	<5	150	0.03	68	<10	34	0.002
340961		1490	<1	1.33	82	150	8	0.35	<5	69	0.93	505	<10	111	0.008
340962		2490	<1	1.61	96	730	7	0.42	<5	84	0.75	442	<10	131	<0.001
340963		24700	2	0.07	67	200	8	0.36	<5	2	1.26	668	<10	512	0.003
340964		17050	1	0.04	16	250	11	0.08	<5	1	0.96	556	<10	463	0.096
340965		683	<1	2.31	102	1140	9	0.30	<5	220	0.43	146	<10	40	0.012
340966		758	3	1.86	149	300	6	0.96	<5	130	0.07	122	<10	49	0.138





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Project: NORTH ROCK

<b>CERTIFICATE OF ANALYSIS TB05072943</b>
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Sample Description	Method Analyte Units LOR	PGM-MS24 Pt ppm 0.0005	PGM-MS24 Pd ppm 0.001
340894		0.243	0.519
340895		0.0019	0.004
340896		0.0033	0.009
340897		<0.0005	<0.001
340898		<0.0005	<0.001
340899		<0.0005	<0.001
340900		<0.0005	0.001
340906		0.1160	0.233
340907		0.1600	0.254
340908		0.0012	0.002
340909		<0.0005	0.002
340910		<0.0005	0.001
340911		<0.0005	<0.001
340912		<0.0005	0.002
340913		<0.0005	0.001
340914		0.0007	0.002
340915		0.0011	0.003
340916		0.0018	0.004
340917		<0.0005	0.001
340918		<0.0005	0.005
340919		<0.0005	0.002
340920		<0.0005	0.009
340921		<0.0005	0.001
340922		<0.0005	0.007
340951		0.0005	0.001
340952		<0.0005	0.001
340953		<0.0005	0.002
340954		<0.0005	0.001
340955		<0.0005	0.001
340956		0.0005	0.001
340957		<0.0005	0.001
340958		0.0030	0.008
340959		0.0016	0.003
340960		0.0033	0.001
340961		<0.0005	0.001
340962		<0.0005	0.002
340963		<0.0005	0.001
340964		<0.0005	0.010
340965		0.0006	0.013
340966		0.0008	0.046



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**CERTIFICATE OF ANALYSIS TB05072943**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
340967		0.82	0.7	10.05	<5	40	<0.5	<2	8.47	<0.5	77	33	3770	7.84	0.09	0.91
340968		1.39	<0.5	9.85	<5	190	<0.5	<2	6.27	<0.5	29	24	997	4.01	0.53	0.60
340969		0.99	<0.5	10.05	<5	190	<0.5	<2	6.93	<0.5	13	20	93	2.65	0.41	0.59
340970		0.63	<0.5	9.55	<5	60	<0.5	<2	6.84	<0.5	25	15	556	5.11	0.23	0.61
340971		0.66	<0.5	2.32	<5	10	<0.5	<2	2.17	<0.5	39	796	124	18.80	0.04	9.84
340972		0.68	<0.5	10.05	<5	90	<0.5	<2	6.66	<0.5	45	15	222	5.43	0.41	0.70



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**CERTIFICATE OF ANALYSIS TB05072943**

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24	
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Cu %	Au ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
340967		607	<1	1.42	410	810	4	1.89	<5	189	0.35	95	<10	36	0.059	
340968		357	<1	3.28	80	510	7	0.35	<5	214	0.04	53	<10	44	0.014	
340969		343	<1	3.11	27	40	3	0.07	<5	181	0.36	59	<10	31	<0.001	
340970		574	<1	2.39	38	160	9	0.08	<5	179	0.29	113	<10	37	0.006	
340971		3570	<1	0.14	95	40	5	0.05	<5	4	0.66	634	<10	292	<0.001	
340972		684	<1	2.31	112	780	5	0.22	<5	157	0.28	46	<10	58	<0.001	



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Account: METCOR

Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05072943**

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm	Pd ppm
		0.0005	0.001
340967		0.0020	0.024
340968		0.0010	0.001
340969		0.0005	0.001
340970		0.0014	0.001
340971		0.0030	0.004
340972		0.0009	0.004



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## CERTIFICATE TB05072943

Project: NORTH ROCK  
P.O. No.:  
This report is for 46 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 2-SEP-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

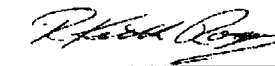
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
309 S COURT ST  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05072943

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd WL kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	0.01	0.01	
340894		1.21	1.1	7.51	30	30	<0.5	<2	7.20	<0.5	81	27	3950	11.45	0.26	3.90
340895		1.21	<0.5	6.69	<5	120	2.5	<2	6.29	<0.5	43	88	299	8.69	0.51	4.08
340896		1.16	<0.5	10.55	<5	100	1.6	2	7.38	<0.5	23	29	250	6.58	0.47	2.06
340897		0.96	<0.5	10.15	27	150	6.2	<2	4.36	<0.5	20	30	530	3.26	0.24	0.20
340898		0.81	<0.5	9.62	<5	430	2.5	<2	4.55	<0.5	26	21	364	4.65	1.22	1.67
340899		0.73	<0.5	10.35	<5	250	10.8	2	5.20	<0.5	31	29	523	3.73	0.81	1.06
340900		1.39	<0.5	4.20	<5	340	5.9	2	1.50	<0.5	20	9	40	48.6	0.87	0.68
340906		1.16	0.8	8.54	5	80	<0.5	<2	7.44	<0.5	64	18	2490	9.52	0.40	3.90
340907		1.88	0.5	7.88	<5	60	<0.5	<2	8.53	<0.5	52	62	1525	8.41	0.29	3.34
340908		1.98	<0.5	6.92	14	160	1.4	<2	5.90	<0.5	144	135	876	14.85	0.79	1.85
340909		1.26	<0.5	6.18	29	40	<0.5	<2	6.36	<0.5	60	8	472	12.95	0.18	2.52
340910		0.58	<0.5	6.59	<5	50	<0.5	2	5.51	<0.5	63	12	293	16.15	0.25	2.27
340911		0.71	<0.5	6.74	<5	40	<0.5	<2	6.14	<0.5	56	13	729	14.35	0.19	2.84
340912		0.90	<0.5	6.97	14	80	0.5	<2	7.10	<0.5	60	15	583	14.15	0.26	2.48
340913		1.57	<0.5	6.34	29	40	<0.5	2	5.70	<0.5	92	12	573	18.60	0.18	2.36
340914		1.45	<0.5	6.94	<5	40	<0.5	2	5.45	<0.5	68	17	528	17.30	0.18	2.85
340915		1.58	1.6	4.95	<5	20	<0.5	2	5.46	<0.5	138	55	2030	15.50	0.19	2.58
340916		1.49	0.6	6.92	<5	30	0.6	2	5.48	<0.5	51	41	1965	12.15	0.23	2.51
340917		1.79	<0.5	6.96	7	50	1.0	2	3.99	<0.5	60	11	843	10.95	0.19	3.05
340918		1.87	1.1	8.17	12	20	<0.5	<2	4.43	<0.5	104	6	2400	18.35	0.15	3.90
340919		1.65	<0.5	6.56	<5	20	<0.5	3	4.83	<0.5	45	6	601	13.05	0.19	2.26
340920		1.50	<0.5	6.25	5	90	0.6	<2	5.84	<0.5	64	13	255	15.20	0.35	2.02
340921		1.71	<0.5	6.86	11	90	<0.5	<2	6.08	<0.5	56	20	392	13.20	0.31	3.41
340922		1.26	<0.5	3.84	>10000	130	0.7	29	0.83	<0.5	649	67	41	9.36	0.81	0.35
340951		1.48	<0.5	8.33	176	60	<0.5	<2	5.67	<0.5	55	90	496	13.00	0.33	2.56
340952		1.60	0.5	0.12	160	<10	<0.5	2	0.07	<0.5	2	127	2210	0.93	0.01	0.03
340953		0.83	<0.5	6.76	<5	40	<0.5	4	6.06	<0.5	48	20	445	13.30	0.23	2.81
340954		0.84	<0.5	6.19	12	40	<0.5	2	5.27	<0.5	63	24	249	14.05	0.15	2.71
340955		1.22	<0.5	6.17	5	60	0.5	<2	7.08	<0.5	69	16	469	13.05	0.24	2.49
340956		1.08	<0.5	6.33	21	30	<0.5	<2	5.35	<0.5	78	44	544	17.80	0.15	2.17
340957		1.57	1.1	0.28	7	<10	<0.5	<2	11.30	<0.5	166	2	5040	17.95	0.01	5.07
340958		1.37	1.7	4.08	10	40	<0.5	<2	5.24	<0.5	97	114	6230	20.2	0.17	4.09
340959		1.05	11.0	5.98	<5	40	<0.5	<2	6.25	<0.5	190	41	>10000	13.15	0.27	2.22
340960		1.20	<0.5	9.81	10	50	<0.5	<2	6.83	<0.5	69	18	457	4.32	0.16	0.76
340961		0.85	<0.5	7.07	17	130	<0.5	<2	6.41	<0.5	93	13	707	13.05	0.38	3.04
340962		0.88	<0.5	8.13	<5	30	<0.5	<2	6.10	<0.5	74	20	327	14.35	0.24	2.92
340963		0.96	<0.5	5.07	<5	10	<0.5	<2	1.51	<0.5	89	15	246	28.1	0.03	1.38
340964		1.53	<0.5	2.51	<5	10	<0.5	<2	0.81	<0.5	43	27	97	33.9	0.04	1.60
340965		0.99	<0.5	10.80	15	40	<0.5	<2	8.09	<0.5	37	17	1445	7.04	0.14	0.80
340966		0.96	1.6	8.94	<5	30	<0.5	<2	7.31	<0.5	45	21	6960	9.07	0.13	2.09



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05072943

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA82	PGM-MS24	
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Cu %	Au ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
340894		1475	<1	1.61	931	180	<2	0.67	<5	180	0.86	394	<10	109		0.089
340895		1555	7	1.53	70	340	<2	0.57	<5	151	0.44	273	<10	95		0.003
340896		1080	24	2.42	67	170	<2	0.46	<5	219	0.65	423	<10	76		0.002
340897		112	42	4.34	8	650	7	2.16	<5	1380	0.14	21	<10	13		0.002
340898		460	1	2.91	13	2610	5	1.20	<5	1085	0.41	116	<10	74		0.002
340899		415	2	3.57	14	3040	8	1.14	<5	1190	0.35	80	10	57		0.002
340900		2790	28	1.69	33	310	<2	0.16	<5	419	0.97	470	<10	255		0.001
340906		1905	<1	1.63	430	100	<2	0.37	<5	146	0.33	507	<10	80		0.072
340907		1340	<1	1.74	372	270	<2	0.28	<5	148	0.46	302	<10	82		0.080
340908		1245	1	2.15	1315	790	<2	1.45	<5	110	1.17	288	10	49		0.003
340909		1625	<1	2.14	166	910	3	0.30	<5	115	0.96	539	<10	53		0.005
340910		1965	1	2.18	62	380	3	0.21	<5	92	0.84	473	<10	67		0.004
340911		1605	1	1.71	82	330	<2	0.18	<5	101	1.03	650	<10	49		0.011
340912		1305	<1	1.65	122	640	<2	0.22	<5	102	0.94	584	<10	38		0.003
340913		2390	3	1.50	156	1000	<2	0.58	<5	63	0.93	537	<10	72		0.004
340914		2220	1	1.69	77	330	<2	0.26	<5	96	1.19	786	<10	69		0.007
340915		1965	488	0.73	209	1920	1025	2.15	<5	26	0.62	276	10	42		0.053
340916		1040	4	2.30	47	620	7	0.20	<5	138	0.99	380	<10	31		0.009
340917		2440	<1	2.02	89	1600	6	0.18	<5	90	0.90	358	<10	391		0.007
340918		3420	4	0.68	377	1310	<2	1.09	<5	9	1.26	84	10	198		0.021
340919		3310	2	1.77	93	420	<2	0.16	<5	65	1.05	480	10	189		0.011
340920		1880	1	0.99	59	940	<2	0.17	<5	37	1.14	265	<10	147		0.001
340921		2230	<1	1.63	84	240	<2	0.15	<5	101	1.08	1060	<10	119		0.005
340922		434	1	0.91	42	120	9	4.35	12	55	0.13	27	<10	71		0.252
340951		1910	<1	2.32	82	360	<2	0.49	<5	88	1.88	695	<10	64		0.001
340952		52	1	0.05	5	20	<2	0.25	<5	2	0.01	4	<10	6		0.011
340953		1740	<1	2.40	82	700	<2	0.37	<5	122	0.97	574	<10	67		0.004
340954		1800	4	2.15	103	650	<2	0.15	<5	110	0.90	305	<10	48		<0.001
340955		1515	<1	1.82	143	900	5	0.68	<5	105	0.94	514	10	85		<0.001
340956		2170	1	2.26	163	2900	8	0.26	<5	95	1.18	455	<10	52		<0.001
340957		9310	2	0.06	338	30	10	4.14	<5	104	0.01	18	20	42		0.012
340958		6830	98	0.44	236	1310	43	1.88	<5	29	0.46	202	20	58		0.853
340959		1060	85	1.97	420	3440	<2	4.31	<5	173	0.56	250	10	103	2.36	0.132
340960		332	<1	2.41	166	40	4	0.96	<5	150	0.03	68	<10	34		0.002
340961		1490	<1	1.33	82	150	6	0.35	<5	69	0.93	505	<10	111		0.006
340962		2490	<1	1.61	96	730	7	0.42	<5	84	0.75	442	<10	131		<0.001
340963		24700	2	0.07	67	200	8	0.36	<5	2	1.26	668	<10	512		0.003
340964		17050	1	0.04	16	250	11	0.08	<5	1	0.96	556	<10	463		0.096
340965		683	<1	2.31	102	1140	9	0.30	<5	220	0.43	146	<10	40		0.012
340966		758	3	1.66	149	300	6	0.96	<5	130	0.07	122	<10	49		0.138



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05072943

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm 0.0005	Pd ppm 0.001
340894		0.243	0.519
340895		0.0019	0.004
340896		0.0033	0.009
340897		<0.0005	<0.001
340898		<0.0005	<0.001
340899		<0.0005	<0.001
340900		<0.0005	0.001
340906		0.1160	0.233
340907		0.1600	0.254
340908		0.0012	0.002
340909		<0.0005	0.002
340910		<0.0005	0.001
340911		<0.0005	<0.001
340912		<0.0005	0.002
340913		<0.0005	0.001
340914		0.0007	0.002
340915		0.0011	0.003
340916		0.0018	0.004
340917		<0.0005	0.001
340918		<0.0005	0.005
340919		<0.0005	0.002
340920		<0.0005	0.009
340921		<0.0005	0.001
340922		<0.0005	0.007
340951		0.0005	0.001
340952		<0.0005	0.001
340953		<0.0005	0.002
340954		<0.0005	0.001
340955		<0.0005	0.001
340956		0.0005	0.001
340957		<0.0005	0.001
340958		0.0030	0.008
340959		0.0016	0.003
340960		0.0033	0.001
340961		<0.0005	0.001
340962		<0.0005	0.002
340963		<0.0005	0.001
340964		<0.0005	0.010
340965		0.0006	0.013
340966		0.0008	0.046





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**CERTIFICATE OF ANALYSIS TB05072943**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
340967		0.82	0.7	10.05	<5	40	<0.5	<2	8.47	<0.5	77	33	3770	7.84	0.09	0.91
340968		1.39	<0.5	9.85	<5	190	<0.5	<2	6.27	<0.5	29	24	997	4.01	0.53	0.60
340969		0.99	<0.5	10.05	<5	190	<0.5	<2	6.93	<0.5	13	20	93	2.65	0.41	0.59
340970		0.63	<0.5	9.55	<5	60	<0.5	<2	6.84	<0.5	25	15	556	5.11	0.23	0.61
340971		0.66	<0.5	2.32	<5	10	<0.5	<2	2.17	<0.5	39	796	124	18.80	0.04	9.84
340972		0.68	<0.5	10.05	<5	90	<0.5	<2	6.66	<0.5	45	15	222	5.43	0.41	0.70



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**CERTIFICATE OF ANALYSIS TB05072943**

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24	
		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Tl	V	W	Zn	Cu	Au
		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	
340867		607	<1	1.42	410	810	4	1.89	<5	189	0.35	95	<10	36	0.059	
340868		357	<1	3.28	80	510	7	0.35	<5	214	0.04	53	<10	44	0.014	
340869		343	<1	3.11	27	40	3	0.07	<5	181	0.36	59	<10	31	<0.001	
340970		574	<1	2.39	38	160	9	0.08	<5	179	0.29	113	<10	37	0.006	
340971		3570	<1	0.14	95	40	5	0.05	<5	4	0.66	634	<10	292	<0.001	
340972		684	<1	2.31	112	780	5	0.22	<5	157	0.28	46	<10	58	<0.001	



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05072943**

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm	Pd ppm
		0.0005	0.001
340967		0.0020	0.024
340968		0.0010	0.001
340969		0.0005	0.001
340970		0.0014	0.001
340971		0.0030	0.004
340972		0.0009	0.004



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## CERTIFICATE TB05076902

Project: NORTH ROCK

P.O. No.:

This report is for 61 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 13-SEP-2005.

The following have access to data associated with this certificate:

MITCH DUMOULIN  
NORTHROCK TEAM

AUBREY J. EVELEIGH

A.D. MACTAVISH

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
ATTN: A.D. MACTAVISH  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: \_\_\_\_\_



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05076902**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
340923		1.46	<0.5	7.61	<5	260	0.8	<2	5.89	<0.5	33	56	106	7.08	0.70	2.83
340924		2.17	<0.5	2.86	<5	10	0.7	<2	7.75	<0.5	99	1040	102	9.86	0.06	11.15
340926		1.31	<0.5	4.84	<5	110	1.1	<2	9.86	<0.5	91	1340	243	14.45	0.61	3.66
340927		1.09	<0.5	8.51	6	40	<0.5	<2	10.50	<0.5	51	172	419	6.80	0.28	3.83
340928		1.76	<0.5	8.34	<5	50	<0.5	<2	10.20	<0.5	47	166	332	8.12	0.25	3.93
340929		2.00	0.8	3.81	835	30	0.5	<2	7.94	<0.5	434	1240	4490	15.10	0.24	4.97
340930		1.68	<0.5	2.99	115	20	1.0	<2	9.36	<0.5	87	1220	29	14.85	0.15	7.31
340931		1.88	<0.5	7.64	6	90	1.2	<2	6.62	<0.5	70	30	256	13.00	0.52	1.38
340932		2.06	<0.5	6.83	<5	60	0.5	2	5.13	<0.5	61	44	6990	10.20	0.28	2.25
340933		2.22	0.8	5.97	<5	40	0.5	3	6.83	<0.5	95	35	>10000	12.85	0.28	2.34
340934		1.36	<0.5	7.30	6	140	1.3	<2	6.09	<0.5	187	102	1255	14.35	0.66	1.44
340935		1.94	0.7	5.88	<5	70	<0.5	<2	6.18	<0.5	64	47	1595	12.60	0.42	2.75
340936		0.94	<0.5	7.68	<5	50	<0.5	<2	6.46	<0.5	46	30	436	9.22	0.22	2.82
340937		2.45	0.8	8.07	38	60	<0.5	<2	5.43	<0.5	84	85	2340	9.88	0.25	2.78
340938		1.66	0.8	7.11	13	30	<0.5	<2	8.21	<0.5	65	36	2820	10.55	0.26	4.17
340939		2.00	<0.5	8.75	<5	180	1.3	<2	4.09	<0.5	35	124	1870	3.62	0.30	2.33
340940		1.19	<0.5	5.93	<5	140	<0.5	<2	4.50	<0.5	55	38	356	13.55	0.40	2.84
340941		1.66	<0.5	5.65	<5	70	0.5	<2	3.44	<0.5	54	12	388	10.40	0.20	1.76
340942		1.45	<0.5	7.45	7	60	<0.5	<2	7.01	<0.5	47	68	88	9.30	0.31	3.92
340943		1.31	<0.5	8.21	<5	80	<0.5	<2	7.08	<0.5	48	69	57	8.90	0.29	4.02
340944		0.99	<0.5	7.75	<5	270	0.6	<2	5.56	<0.5	45	89	248	7.95	0.88	3.18
340945		1.83	<0.5	5.35	<5	30	<0.5	<2	7.11	<0.5	61	132	15	19.95	0.13	4.55
340946		1.09	<0.5	10.45	<5	130	<0.5	<2	7.20	<0.5	29	8	216	5.91	0.47	1.26
340947		1.35	<0.5	6.67	<5	70	<0.5	<2	6.92	<0.5	40	12	305	8.93	0.18	2.95
340948		1.03	<0.5	6.31	<5	70	0.7	<2	3.72	<0.5	60	14	246	10.30	0.24	1.02
340949		1.42	<0.5	6.09	<5	80	0.7	<2	5.19	<0.5	59	13	881	11.30	0.26	1.58
340950		2.00	1.6	7.78	<5	420	0.7	<2	5.63	0.7	57	6	3720	8.92	0.86	2.42
340973		1.19	<0.5	7.22	6	50	0.6	<2	6.56	<0.5	69	65	568	12.95	0.25	2.37
340974		1.25	<0.5	4.39	5040	60	0.5	<2	8.94	<0.5	211	1485	7990	14.30	0.35	4.81
340975		1.00	<0.5	6.31	12	70	<0.5	2	6.86	<0.5	59	66	628	13.80	0.33	3.88
340976		1.05	<0.5	10.00	24	70	<0.5	<2	3.66	<0.5	67	58	698	6.16	0.23	1.54
340977		1.25	0.6	9.00	8	70	<0.5	4	7.10	<0.5	55	24	2350	11.20	0.46	3.28
340978		1.37	<0.5	10.25	8	110	<0.5	<2	5.65	<0.5	24	40	260	8.71	0.63	2.24
340979		1.16	<0.5	9.71	7	50	<0.5	<2	5.52	<0.5	50	113	340	7.43	0.16	2.85
340980		0.99	0.5	7.33	<5	60	0.6	<2	6.24	<0.5	55	69	1940	11.75	0.29	3.95
340981		0.95	<0.5	6.80	321	130	0.7	<2	6.22	<0.5	140	39	1120	12.00	0.47	3.34
340982		1.35	4.3	3.06	<5	40	0.9	<2	7.82	<0.5	72	936	>10000	16.75	0.20	5.38
340983		1.97	0.9	7.98	32	100	1.0	<2	6.01	<0.5	89	98	4670	12.25	0.48	2.80
340984		1.03	<0.5	3.45	7	50	0.6	3	7.21	<0.5	142	1395	657	17.05	0.31	4.73
340985		2.52	<0.5	6.97	61	70	1.2	<2	6.60	<0.5	131	119	7580	15.40	0.44	1.87



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Project: NORTH ROCK

**CERTIFICATE OF ANALYSIS TB05076902**

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA82	PGM-MS24
	Analyte Units LOR	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sr ppm 1	Ti % 0.01	V ppm 1	W ppm 10	Zn ppm 2	Cu % 0.01
340923		1450	<1	2.88	52	260	3	0.36	<5	259	0.92	322	10	111	0.002
340924		1565	<1	0.20	1215	310	<2	0.03	<5	26	0.65	170	<10	71	0.003
340926		2340	3	0.68	494	500	7	0.83	<5	35	1.01	262	10	153	0.001
340927		1055	1	1.08	445	360	2	0.07	<5	261	0.60	242	<10	98	0.007
340928		1040	<1	1.21	331	310	<2	0.05	<5	245	0.60	233	<10	98	0.004
340929		1340	1	0.63	1585	5220	4	1.47	<5	24	0.82	406	<10	86	0.154
340930		1710	1	0.53	895	310	6	0.05	<5	22	0.65	166	<10	53	0.005
340931		1155	1	2.65	501	740	4	0.22	<5	167	1.22	249	<10	52	0.002
340932		968	1	2.41	39	600	2	0.52	<5	143	0.99	339	<10	60	0.354
340933		1185	7	1.63	200	510	4	1.32	<5	127	0.85	340	<10	75	1.30 0.176
340934		890	3	2.51	944	710	5	1.93	<5	156	1.17	253	<10	44	0.004
340935		930	5080	1.64	41	600	6	0.46	<5	108	0.94	375	<10	53	0.051
340936		1195	18	2.78	93	130	3	0.03	<5	133	0.85	323	<10	63	0.003
340937		1495	10	2.89	209	670	17	0.34	<5	154	1.11	240	<10	84	0.037
340938		1785	1	1.09	305	180	3	0.09	<5	105	0.28	261	<10	113	0.053
340939		511	2	4.38	97	1660	5	0.37	<5	1640	0.33	103	<10	43	0.037
340940		2390	2	1.29	90	610	6	0.15	<5	31	1.15	172	<10	179	0.004
340941		2130	1	1.53	91	1290	12	0.38	<5	65	0.36	95	<10	185	0.003
340942		1610	<1	1.39	66	160	3	0.03	<5	129	0.44	308	<10	80	0.003
340943		1665	<1	1.45	62	120	<2	0.06	<5	124	0.35	226	<10	86	0.001
340944		1545	1	2.46	45	510	<2	0.04	<5	360	0.66	230	<10	85	0.003
340945		1065	<1	0.65	520	10	2	<0.01	<5	148	0.78	732	<10	85	0.001
340946		830	<1	2.47	43	380	<2	0.03	<5	213	0.38	227	<10	65	0.002
340947		2150	<1	2.37	57	510	<2	0.03	<5	141	1.05	235	<10	153	0.007
340948		1420	<1	2.21	156	980	<2	0.35	<5	122	0.44	36	<10	126	0.001
340949		1680	1	2.02	61	3440	<2	0.47	<5	96	0.76	194	<10	122	0.008
340950		2230	10	1.88	88	720	<2	0.35	<5	151	1.32	203	<10	289	0.021
340973		1295	<1	2.12	163	540	<2	0.05	<5	130	0.99	389	<10	52	0.005
340974		1480	<1	0.75	3290	9650	5	0.91	92	44	0.86	300	<10	52	0.579
340975		1910	2	1.62	153	2150	11	0.05	<5	87	1.05	857	<10	108	0.017
340976		649	7	3.99	305	1070	7	0.58	<5	212	0.11	98	<10	35	0.005
340977		1570	<1	1.53	162	860	<2	0.28	<5	108	0.09	578	<10	72	0.086
340978		1370	1	2.53	125	2880	3	0.13	<5	204	1.04	370	<10	40	0.003
340979		975	1	3.12	246	180	5	0.36	<5	220	0.89	213	<10	41	0.002
340980		1590	2	2.18	113	60	7	0.23	<5	112	1.08	489	<10	86	0.041
340981		1325	<1	2.29	810	3260	2	1.79	<5	92	0.98	472	<10	230	0.037
340982		1425	<1	0.52	340	5330	6	2.55	<5	21	0.88	469	10	97	2.64 0.172
340983		1425	1	2.47	473	2590	5	1.11	<5	158	1.30	314	<10	124	0.069
340984		1485	1	0.70	1010	2060	7	0.87	<5	27	0.76	252	<10	89	0.005
340985		1070	1	2.13	555	890	<2	1.93	<5	191	1.16	221	<10	58	0.408



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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05076902

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm 0.0005	Pd ppm 0.001
340923		0.0211	0.002
340924		0.0077	0.007
340926		0.0090	0.006
340927		0.0070	0.006
340928		0.0076	0.005
340929		0.0075	0.130
340930		0.0051	0.005
340931		<0.0005	<0.001
340932		0.0018	0.002
340933		0.0015	0.001
340934		0.0005	0.001
340935		0.0027	0.014
340936		0.0073	0.007
340937		0.1100	0.016
340938		0.0540	0.081
340939		0.0016	0.002
340940		0.0006	0.002
340941		0.0008	0.003
340942		0.0094	0.017
340943		0.0028	0.003
340944		0.0023	0.001
340945		0.0023	0.001
340946		0.0010	<0.001
340947		0.0019	0.002
340948		0.0013	0.002
340949		<0.0005	0.001
340950		0.0007	0.001
340973		0.0087	0.045
340974		0.0084	0.630
340975		0.0038	0.065
340976		0.813	0.053
340977		0.1030	0.143
340978		0.1415	0.065
340979		0.0683	0.021
340980		0.0038	0.049
340981		0.0011	0.011
340982		0.0062	0.041
340983		<0.0005	0.002
340984		0.0056	0.004
340985		0.0007	0.009



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**CERTIFICATE OF ANALYSIS TB05076902**

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
340986		0.89	1.8	6.81	9	40	0.5	<2	6.78	<0.5	61	45	>10000	12.00	0.26	2.78
340987		1.04	1.1	6.81	<5	30	0.5	<2	7.44	<0.5	65	46	>10000	11.80	0.22	2.23
340988		0.82	9.5	6.21	7	50	<0.5	<2	5.40	<0.5	101	71	>10000	12.10	0.27	2.98
340989		1.59	<0.5	5.82	9	100	1.8	<2	8.04	<0.5	53	498	1430	8.21	0.35	3.62
340990		2.19	<0.5	7.19	<5	60	<0.5	<2	8.20	<0.5	66	33	2820	9.90	0.26	2.75
340991		2.16	2.2	5.78	12	60	0.5	<2	6.59	<0.5	49	42	>10000	14.60	0.36	2.87
340992		0.99	0.9	6.78	7	80	<0.5	<2	5.36	<0.5	84	112	3300	13.35	0.29	3.24
340993		1.68	<0.5	10.95	<5	130	<0.5	<2	5.93	<0.5	28	13	172	7.28	0.38	1.38
340994		0.73	<0.5	11.30	6	120	<0.5	<2	7.56	<0.5	20	13	56	3.98	0.47	1.30
340995		0.71	<0.5	12.10	13	60	<0.5	<2	8.94	<0.5	29	18	68	4.42	0.13	1.47
340996		1.17	<0.5	7.37	5	20	<0.5	<2	6.23	<0.5	88	10	468	13.50	0.21	2.71
340997		0.95	<0.5	6.35	<5	30	1.7	<2	3.85	<0.5	39	35	267	10.45	0.25	1.08
340998		1.00	<0.5	7.52	<5	50	<0.5	<2	7.06	<0.5	48	96	895	8.12	0.23	3.60
340999		1.15	<0.5	9.30	<5	80	<0.5	<2	6.88	<0.5	41	31	113	8.96	0.37	2.29
341000		1.02	<0.5	9.51	<5	110	<0.5	<2	5.55	<0.5	48	32	80	9.44	0.63	2.67
341001		0.74	<0.5	9.21	5	70	<0.5	<2	7.07	<0.5	54	43	364	9.35	0.32	2.86
341002		0.94	<0.5	10.30	<5	150	<0.5	<2	7.55	<0.5	10	17	97	2.37	0.18	0.43
341003		1.07	2.7	7.78	6	190	<0.5	54	6.21	<0.5	81	126	>10000	14.50	0.43	2.50
341004		0.85	<0.5	10.50	<5	60	<0.5	<2	7.67	<0.5	27	12	339	5.44	0.17	1.00
341005		1.14	<0.5	10.95	10	110	<0.5	<2	7.76	<0.5	34	30	67	5.24	0.46	1.44
341006		0.81	2.1	6.66	12	10	<0.5	<2	8.53	<0.5	12	28	2880	4.22	0.01	0.03





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Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05076902

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA62	PGM-MS24
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Cu %	Au ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
340986		1095	<1	2.26	54	620	3	1.01	<5	152	1.02	398	<10	38	0.96	0.132
340987		1160	27	1.76	103	670	5	1.23	<5	218	1.00	343	<10	55	1.34	0.358
340988		855	<1	2.04	337	700	<2	2.14	<5	171	0.47	249	<10	80	2.43	0.245
340989		1215	<1	2.61	145	890	<2	0.84	<5	184	1.32	285	<10	213		0.007
340990		1390	<1	2.35	36	580	2	0.10	<5	199	1.01	386	<10	42		0.035
340991		932	48	1.32	29	1420	<2	1.05	<5	97	0.83	343	<10	39	1.11	0.527
340992		1805	3	2.29	262	1060	3	0.93	<5	104	1.23	301	<10	85		0.087
340993		1195	<1	3.41	36	90	<2	0.03	<5	232	0.47	327	<10	70		0.004
340994		644	<1	2.22	29	30	<2	0.03	<5	229	0.41	197	<10	37		0.001
340995		634	<1	2.32	61	430	<2	0.04	<5	174	0.51	108	<10	45		0.002
340996		1570	1	1.44	204	4030	<2	0.62	<5	51	1.11	640	<10	110		0.001
340997		2960	<1	0.69	48	2210	<2	0.27	<5	68	0.75	171	<10	205		0.001
340998		1345	<1	1.43	60	120	<2	0.27	<5	141	0.31	233	<10	80		0.007
340999		1385	<1	1.91	40	250	33	0.07	<5	134	0.49	237	<10	72		0.001
341000		1640	<1	2.60	44	280	<2	0.06	<5	178	0.66	382	<10	52		0.001
341001		1470	<1	1.84	48	240	<2	0.33	<5	142	0.55	379	<10	78		0.011
341002		474	<1	3.34	12	20	<2	0.01	<5	258	0.15	75	<10	20		0.002
341003		1060	3	1.81	274	720	<2	1.47	<5	118	0.22	213	<10	69	1.26	0.076
341004		644	<1	2.19	68	390	<2	0.05	<5	163	0.36	213	<10	37		0.003
341005		1010	<1	2.26	80	60	<2	0.07	<5	165	0.42	97	<10	151		0.001
341006		386	<1	0.18	37	180	<2	0.17	<5	293	0.38	93	<10	9		0.050



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Finalized Date: 28-SEP-2005  
Account: METCOR

Project: NORTH ROCK

## CERTIFICATE OF ANALYSIS TB05076902

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm	Pd ppm
		0.0005	0.001
340986		0.0052	0.003
340987		0.0071	0.009
340988		0.565	0.098
340989		0.0078	0.010
340990		0.0022	0.002
340991		0.0025	0.004
340992		0.213	0.050
340993		0.0017	0.001
340994		0.0011	<0.001
340995		0.0013	0.001
340996		0.0046	0.006
340997		<0.0005	0.003
340998		0.0018	0.002
340999		0.0024	0.002
341000		0.0028	0.003
341001		0.0019	0.002
341002		0.0033	0.005
341003		<0.0005	0.007
341004		0.0015	0.014
341005		0.0005	0.001
341006		0.0005	0.002



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 Account: METCOR

**CERTIFICATE TB05084280**

Project: GRASSY PORTAGE  
 P.O. No.:  
 This report is for 28 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 3-OCT-2005.

The following have access to data associated with this certificate:  
 AUBREY J. EVELEIGH      A.D. MACTAVISH

**SAMPLE PREPARATION**

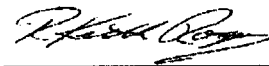
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	27 element four acid ICP-AES	ICP-AES
Cu-AA62	Ore grade Cu - four acid / AAS	AAS
PGM-MS24	Pt, Pd and Au 50g FA ICP-MS	ICP-MS

To: METAL CORP LTD  
 ATTN: A.D. MACTAVISH  
 309 S COURT ST  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



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Project: GRASSY PORTAGE

## CERTIFICATE OF ANALYSIS TB05084280

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
		0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
341007		1.08	<0.5	8.21	13	200	1.5	<2	4.80	<0.5	11	110	254	9.93	1.12	2.53
341008		0.65	<0.5	0.53	<5	20	<0.5	<2	1.22	0.7	186	18	113	15.65	0.10	1.12
341009		0.93	<0.5	0.28	12	20	<0.5	<2	2.03	<0.5	2	49	100	9.42	0.06	1.66
341010		1.49	<0.5	4.02	29	20	<0.5	<2	0.59	<0.5	471	223	1420	23.0	0.14	2.28
341011		2.50	2.5	2.07	7	20	0.5	<2	1.16	<0.5	57	73	>10000	27.9	0.18	1.13
341012		0.96	<0.5	0.99	<5	10	0.6	<2	1.64	<0.5	370	49	5260	37.3	0.07	1.12
341013		1.46	<0.5	2.60	10	10	0.9	<2	3.54	<0.5	175	44	5010	24.0	0.09	2.28
341014		1.87	<0.5	2.42	10	20	<0.5	<2	1.78	<0.5	55	104	3220	32.2	0.10	1.80
341015		1.72	<0.5	6.68	5	30	<0.5	<2	6.38	<0.5	65	149	506	9.13	0.25	4.51
341016		0.59	<0.5	7.99	<5	20	<0.5	<2	5.65	<0.5	37	238	321	7.14	0.09	5.28
341017		0.82	<0.5	6.84	7	140	0.7	<2	2.26	<0.5	16	129	231	7.22	0.87	1.24
341018		1.11	<0.5	10.40	<5	120	<0.5	<2	0.38	<0.5	14	800	100	11.40	0.97	0.34
341019		1.00	<0.5	6.57	9	310	<0.5	<2	0.07	<0.5	21	169	40	9.69	1.07	2.91
341020		0.86	<0.5	12.65	<5	290	0.6	<2	0.63	<0.5	1	482	27	3.15	3.25	0.23
341021		0.94	<0.5	5.73	<5	<10	<0.5	<2	0.76	<0.5	27	263	232	31.0	0.02	0.89
341022		0.81	<0.5	12.00	11	160	0.5	<2	0.83	<0.5	36	581	146	5.30	1.44	0.42
341023		1.54	<0.5	4.93	<5	180	<0.5	<2	0.05	<0.5	35	123	408	23.6	1.42	1.42
341024		0.72	<0.5	6.86	<5	150	<0.5	<2	0.08	<0.5	47	166	57	10.85	2.01	1.54
341025		0.78	<0.5	1.68	6	10	<0.5	<2	0.33	<0.5	3	66	25	3.68	0.02	1.00
341026		0.80	<0.5	0.32	5	<10	<0.5	<2	0.62	<0.5	2	14	43	6.98	0.02	0.60
341027		0.80	<0.5	8.55	7	130	0.5	<2	5.37	<0.5	32	60	469	7.98	0.47	2.93
341028		0.87	0.5	6.16	5	160	0.6	<2	2.85	<0.5	30	35	475	13.15	2.17	0.85
341029		1.70	0.5	0.25	<5	10	<0.5	<2	0.07	<0.5	122	12	296	50.0	0.07	0.05
341030		0.86	<0.5	2.44	<5	20	<0.5	<2	5.40	<0.5	49	978	45	9.40	0.11	10.85
341031		0.74	<0.5	7.06	<5	100	<0.5	<2	5.25	<0.5	56	87	386	11.25	0.50	2.62
341032		0.83	<0.5	3.07	<5	20	0.7	<2	6.43	<0.5	39	874	63	10.05	0.08	9.99
341033		1.39	0.8	4.49	<5	50	1.4	<2	7.65	<0.5	61	789	1680	12.60	0.33	4.49
341034		2.13	9.7	7.34	126	110	<0.5	<2	5.04	<0.5	115	44	>10000	13.65	0.52	1.88



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Project: GRASSY PORTAGE

**CERTIFICATE OF ANALYSIS TB05084280**

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-AA82	PGM-MS24	
		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	Cu %	Au ppm
		5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2	0.01	0.001
341007		2500	<1	1.72	24	780	9	0.95	<5	287	1.05	226	<10	197	0.003	
341008		487	<1	0.08	20	270	4	9.41	<5	19	0.04	21	<10	53	0.019	
341009		903	<1	0.05	4	190	<2	0.33	<5	5	0.03	18	<10	73	0.012	
341010		867	1	0.28	26	250	2	>10.0	<5	32	0.40	174	<10	243	0.022	
341011		402	2	0.22	247	160	<2	>10.0	<5	13	0.11	58	<10	332	1.68	0.020
341012		360	1	0.06	308	130	<2	>10.0	<5	17	0.05	29	<10	83	0.023	
341013		978	2	0.27	151	170	4	>10.0	<5	26	0.10	48	<10	298	0.021	
341014		684	4	0.03	233	1440	2	>10.0	<5	12	2.12	263	<10	223	0.009	
341015		958	<1	1.70	80	180	<2	0.87	<5	95	0.41	289	<10	42	0.004	
341016		995	<1	2.37	104	200	3	1.89	<5	106	0.15	226	<10	48	0.003	
341017		399	<1	2.53	39	380	9	0.72	<5	116	0.26	62	<10	37	0.002	
341018		1845	<1	2.43	13	140	2	0.54	<5	122	0.80	438	<10	41	0.004	
341019		1560	<1	0.15	42	430	<2	1.50	<5	8	0.70	264	<10	327	0.002	
341020		138	<1	2.07	1	150	4	0.18	<5	104	0.36	449	<10	13	0.003	
341021		21400	<1	0.03	111	270	9	6.31	<5	4	0.29	140	<10	52	0.028	
341022		445	<1	2.10	142	100	6	2.65	<5	176	0.79	449	<10	40	0.005	
341023		685	1	0.08	112	160	9	>10.0	<5	4	0.26	112	<10	188	0.006	
341024		764	<1	0.15	113	180	8	6.33	<5	7	0.43	180	<10	104	0.003	
341025		413	<1	0.09	27	550	<2	0.79	<5	6	0.37	71	<10	76	0.002	
341026		655	<1	0.02	5	160	<2	0.76	<5	1	0.02	11	<10	40	0.006	
341027		1280	<1	1.46	50	500	3	0.75	<5	95	0.46	171	<10	68	0.002	
341028		962	<1	0.71	77	720	12	6.34	<5	168	0.34	88	<10	92	<0.001	
341029		692	<1	0.02	360	30	<2	>10.0	<5	6	0.01	9	<10	53	0.004	
341030		1560	<1	0.13	598	390	<2	0.14	<5	89	0.71	124	<10	97	0.001	
341031		1155	<1	1.94	73	550	2	1.98	<5	138	0.83	351	<10	56	<0.001	
341032		1840	1	0.42	394	460	3	0.09	<5	54	0.71	184	<10	159	0.001	
341033		1915	<1	0.87	400	870	5	1.18	<5	55	1.44	301	<10	372	0.001	
341034		799	<1	2.15	314	1350	<2	4.51	<5	162	0.17	99	<10	86	2.26	0.305



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Project: GRASSY PORTAGE

**CERTIFICATE OF ANALYSIS TB05084280**

Sample Description	Method Analyte Units LOR	PGM-MS24	PGM-MS24
		Pt ppm 0.0005	Pd ppm 0.001
341007		0.0005	0.001
341008		0.0009	0.001
341009		<0.0005	0.001
341010		0.0051	0.002
341011		0.0016	0.001
341012		0.0039	0.003
341013		0.0025	0.006
341014		0.0010	0.001
341015		0.0064	0.009
341016		0.0090	0.012
341017		0.0018	0.006
341018		0.0044	0.004
341019		<0.0005	<0.001
341020		0.0046	0.004
341021		0.0028	0.001
341022		0.0052	0.005
341023		0.0018	0.002
341024		0.0032	0.004
341025		<0.0005	<0.001
341026		<0.0005	<0.001
341027		<0.0005	<0.001
341028		0.0005	0.001
341029		0.0006	0.001
341030		0.0032	0.003
341031		0.0010	0.001
341032		0.0028	0.004
341033		0.0016	0.002
341034		0.0186	0.091

**Appendix III**

**Proposed 2006 Phase II Exploration Program Budget**

**MetalCorp Ltd.**

**Appendix IIIa**

**North Rock Property - Proposed 2006 Surface Exploration Program Budget**

<b>Program Type</b>	<b>Personnel</b>	<b>Cost Description</b>	<b>Units</b>	<b>Type</b>	<b>Cost/Unit</b>	<b>Cost</b>
<b>Geophysics</b>	Contractor	UTEM or PEM Survey	20	Days	\$2,200.00	\$44,000
					<b>Sub-Total</b>	<b>\$44,000</b>
<b>Prospecting</b>	MetalCORP	4 prospectors	240	Man-days	\$200.00	\$48,000
		ATV Rental (2)	60	Days	\$100.00	\$6,000
		Assay Costs	450	Samples	\$30.00	\$13,500
		House Rental	2	Months	\$750.00	\$1,500
		Truck rental (2)	2	Months	\$2,000.00	\$4,000
		Field Supplies & Fuel				\$4,000
		Meals & groceries	240	Man Days	\$50.00	\$12,000
					<b>Sub-Total</b>	<b>\$89,000</b>
<b>Trenching</b>	MetalCORP	Field technicians, stripping/channelling	60	Man-days	\$180.00	\$10,800
		Assay Costs	300	Samples	\$30.00	\$9,000
		Excavator Costs	100	Hours	\$135.00	\$13,500
		Excavator Mob-Demob	20	Hours	\$100.00	\$2,000
		Excavator Operator Meals	10	Man-days	\$50.00	\$500
		Truck Rental	1	Months	\$2,000.00	\$2,000
		Truck, Saw, & pump fuel				\$2,500
		House Rental	1	Months	\$750.00	\$750
		Meals & Groceries	60	Man-days	\$50.00	\$3,000
					<b>Sub-Total</b>	<b>\$44,050</b>
<b>Mapping</b>	Geologist	Prep/Report/Data interpretation	30	Man Days	\$425.00	\$12,750
		Mob-demob	4	Man Days	\$425.00	\$1,700
			30	Man Days	\$425.00	\$12,750
	Assistant	Mob-demob	2	Man-days	\$200.00	\$400
		Mapping assistance	60	Man-days	\$200.00	\$12,000
		Truck Rental	1	Months	\$2,000.00	\$2,000
		Supplies & truck fuel				\$2,500
		Sample Analyses	100	Samples	\$30.00	\$3,000
		Apartment Rental	1	Months	\$750.00	\$750
		Meals & groceries	60	Man Days	\$50.00	\$3,000
			<b>Sub-Total</b>	<b>\$50,850</b>		
<b>Communication</b>	Phone	Satellite phone costs				\$500
		Miscellaneous phone costs				\$1,000
					<b>Sub-Total</b>	<b>\$1,500</b>
<b>Database</b>	Contractor	Basemaps	20	Hours	\$35.00	\$700
		Digitization/plotting	25	Hours	\$35.00	\$875
		Copying				\$200
		Computer Rental	3	Months	\$200.00	\$600
					<b>Sub-Total</b>	<b>\$2,375</b>
				<b>SubTotal</b>	<b>Phase II</b>	<b>\$146,925</b>
				<b>Contingency</b>	<b>Phase II</b>	<b>\$14,693</b>
				<b>Total</b>	<b>Phase II</b>	<b>\$161,618</b>



**Appendix IIIb**

**North Rock Property - Proposed 2006 Drill Program Budget**

<b>Program Type</b>	<b>Personnel</b>	<b>Cost Description</b>	<b>Units</b>	<b>Type</b>	<b>Cost/Unit</b>	<b>Cost</b>
<b>Diamond Drilling</b>	Contractor	Mobilization/Demobilization				\$15,000
		Drilling (NQ-core)	4000	Metres	\$75.00	\$300,000
		Downhole tests (Maxibor)				\$4,000
		Cost plus: men/machines, standby				\$25,000
		Material left in hole				\$20,000
		Core boxes	1000	Boxes	\$7.00	\$7,000
				<b>Sub-Total</b>	<b>\$371,000</b>	
<b>Core Logging</b>	Geologist	Prep/Report/Data interpretation	25	Man Days	\$425.00	\$10,625
		Mob-demob	5	Man Days	\$400.00	\$2,000
		Core logging, DDH spotting, supervision	60	Man Days	\$400.00	\$24,000
		Meals & Lodging	60	Man Days	\$50.00	\$3,000
				<b>Sub-Total</b>	<b>\$39,625</b>	
<b>Core Sampling</b>	Technicians	Core splitting, Maxibor operator	120	Man Days	\$500.00	\$60,000
<b>Field Assistance</b>		Split Core Samples	4500	Analyses	\$30.00	\$135,000
		QA/QC (Standards/blanks), Checks	300	Analyses	\$30.00	\$9,000
		Meals & Lodging	120	Man Days	\$100.00	\$12,000
		Mob-demob	8	Man Days	\$200.00	\$1,600
		Supplies, sample bags, etc.				\$2,500
				<b>Sub-Total</b>	<b>\$220,100</b>	
<b>Communication</b>	Phone	Satellite phone costs				\$500
		Miscellaneous phone costs				\$1,000
				<b>Sub-Total</b>	<b>\$1,500</b>	
<b>Accommodations</b>		House Rental (Fort Francis)	2	Months	\$750.00	\$1,500
		Core Shack Rental	2	Months	\$1,500.00	\$3,000
						<b>Sub-Total</b>
<b>Equipment</b>		Reflex Maxibor	2	Months	\$7,500.00	\$15,000
		Fuel (truck)				\$4,000
		Core racks	5	Units	\$500.00	\$2,500
		Computer Rental	2	Months	\$200.00	\$400
		Truck Rental (2)	4	Months	\$2,200.00	\$8,800
						<b>Sub-Total</b>
				<b>SubTotal</b>	<b>Phase II</b>	<b>\$684,225</b>
				<b>Contingency</b>	<b>Phase II</b>	<b>\$68,423</b>
				<b>Total</b>	<b>Phase II</b>	<b>\$752,648</b>