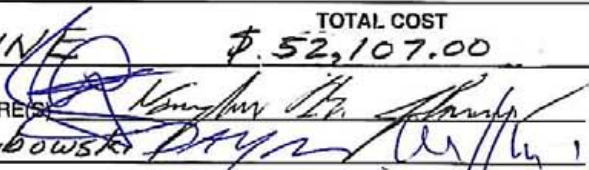


Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

**ASSESSMENT REPORT
TITLE PAGE AND SUMMARY**

TITLE OF REPORT (type of survey(s)) <u>Geochemical Report on MEGAMINE</u>		TOTAL COST <u>\$ 52,107.00</u>
AUTHOR(S) <u>Gwendolen Ditson, Taylor Johnson, David Yeager, Wojtek Jakubowski</u>	SIGNATURE(S) 	
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S)	YEAR OF WORK <u>2007</u>	
STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) <u>4177543/30 Oct 07, 4186535/27 Dec 07</u>		
PROPERTY NAME <u>MEGAMINE</u>		
CLAIM NAME(S) (on which work was done) <u>MEGAMINE</u>		
COMMODITIES SOUGHT <u>Copper, Zinc</u>		
MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN		
MINING DIVISION <u>Omineca</u>		
NTS <u>93K5W, 93K6W, 93K11W, 93K12W</u>		
LATITUDE <u>54 ° 33 ' 07 "</u>		
LONGITUDE <u>125 ° 28 ' 23 "</u> (at centre of work)		
OWNER(S)		
1) <u>Amarc Resources Ltd.</u> 2) _____		
MAILING ADDRESS		
<u>1020-800 West Pender St</u> <u>Vancouver, B.C. V6C 2V6</u>		
OPERATOR(S) (who paid for the work)		
1) <u>same</u> 2) _____		
MAILING ADDRESS		
<u>same</u>		
PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude): <u>Sitlika, Permian to Jurassic, volcanic & sedimentary rocks, near vertical north-south schistosity</u>		
REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS <u>AR 2319, 2917, 11520, 15358, 17294, 20377, 21284, 21640, 22157, 22610, 25760.</u>		

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping _____			
Photo interpretation _____			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic _____			
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
GEOCHEMICAL			
(number of samples analysed for ...)			
Soil _____	262	MEGAMINE	52,107.00
Silt _____			
Rock _____			
Other _____			
DRILLING			
(total metres; number of holes, size)			
Core _____			
Non-core _____			
RELATED TECHNICAL			
Sampling/assaying _____			
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
PROSPECTING (scale, area) _____			
PREPARATORY/PHYSICAL			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____			
Underground dev. (metres) _____			
Other _____			
TOTAL COST			52,107.00

**Assessment Report on
Geochemical Work**

Performed on the Megamine Property

Located in the Omineca Mining Division

**NTS: 93K/05W, 93K/06W, 93K/11W, 93K/12W
BCGS: 093K.043, 093K.044, 093K.053, 093K.054, 093K.063**

**Centred at approximately
54° 33' 07'' N Latitude
125° 28' 23'' W Longitude
6,047,749 m N, 340,065 m E
UTM NAD 83, Zone 10**

Owner/Operator: Amarc Resources Ltd.

Claims: MEGAMINE 1-42

Authors:

**Gwendolen Ditson, P.Geo.
Taylor Johnson, B.A. (Geol)
David A. Yeager, P.Geo.
Wojtek Jakubowski, P.Geo.**

February 29, 2008

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SUMMARY

The Megamine property is located in central British Columbia in the Omineca Mining division. The 18,582 hectare property consists of 42 claims that were staked in October, 2006; they are owned 100% by Amarc Resources Ltd. The property is situated approximately 40 km northeast of Burns Lake, B.C., on NTS map sheets 93K/05, 93K/06, 93K/11, and 93K/12, and is accessible by road from Fort St. James.

The Megamine property straddles the Cache Creek – Stikine terrane boundary. The Cache Creek Complex and the Sitlika Assemblage underlie Cache Creek Terrane on the east; volcanic and metamorphic rocks of the Takla Group and Taltapin Metamorphic Complex underlie the Stikine Terrane on the west. Quartz diorite and granodiorite bodies intrude Cache Creek and Sitlika rocks; gabbro, diorite and ultramafics intrude rocks of Stikine Terrane. The Sitlika Assemblage is correlated with the Kutcho Creek formation, which hosts the Kutcho Creek massive sulphide deposit.

Soil sampling was performed on the Megamine claims between September 18 and October 5, 2007. A total of 262 soil samples were collected during the survey.

A single copper anomaly was identified that warrants follow up sampling and prospecting. The anomaly is located in the southeastern section of the survey area.

INTRODUCTION

This report documents the results of line cutting and soil sampling performed on claims belonging to the Megamine Project, located in the Nechako Region of Central B.C. Work was conducted between September 18 and October 5, 2007.

LOCATION AND ACCESS

The Megamine property is situated in central British Columbia in the Omineca Mining Division. The property is located on NTS maps 93K/05, 93K/06, 93K/11, and 93K/12, and on BCGS maps 093K.043, 093K.044, 093K.053, 093K.054, and 093K.063. The centre of the claim group is approximately 40 km northeast of Burns Lake, B.C., at 54° 33' 07" N Latitude and 125° 28' 23" W Longitude, or UTM NAD 83, Zone 10, at 6,047,749 m N and 340065 m E, as shown in Figure 1.

The property is accessible by road from Fort St. James via the Whitefish Cunningham Forest Service Road (FSR) northwest from Fort St. James. Networks of forestry roads, branching out primarily southwest from the Whitefish Cunningham FSR, provide access to the northern, central and southern portions of the claims.

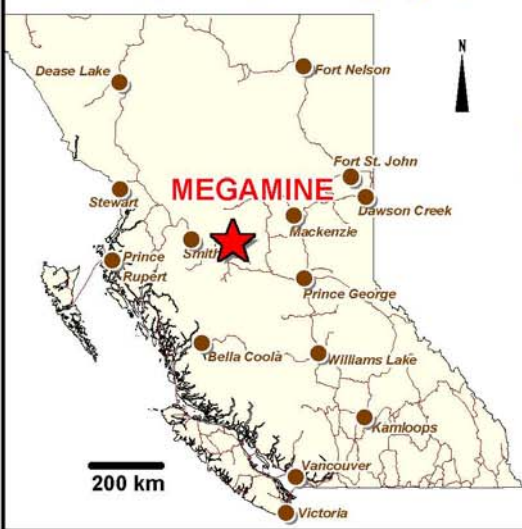
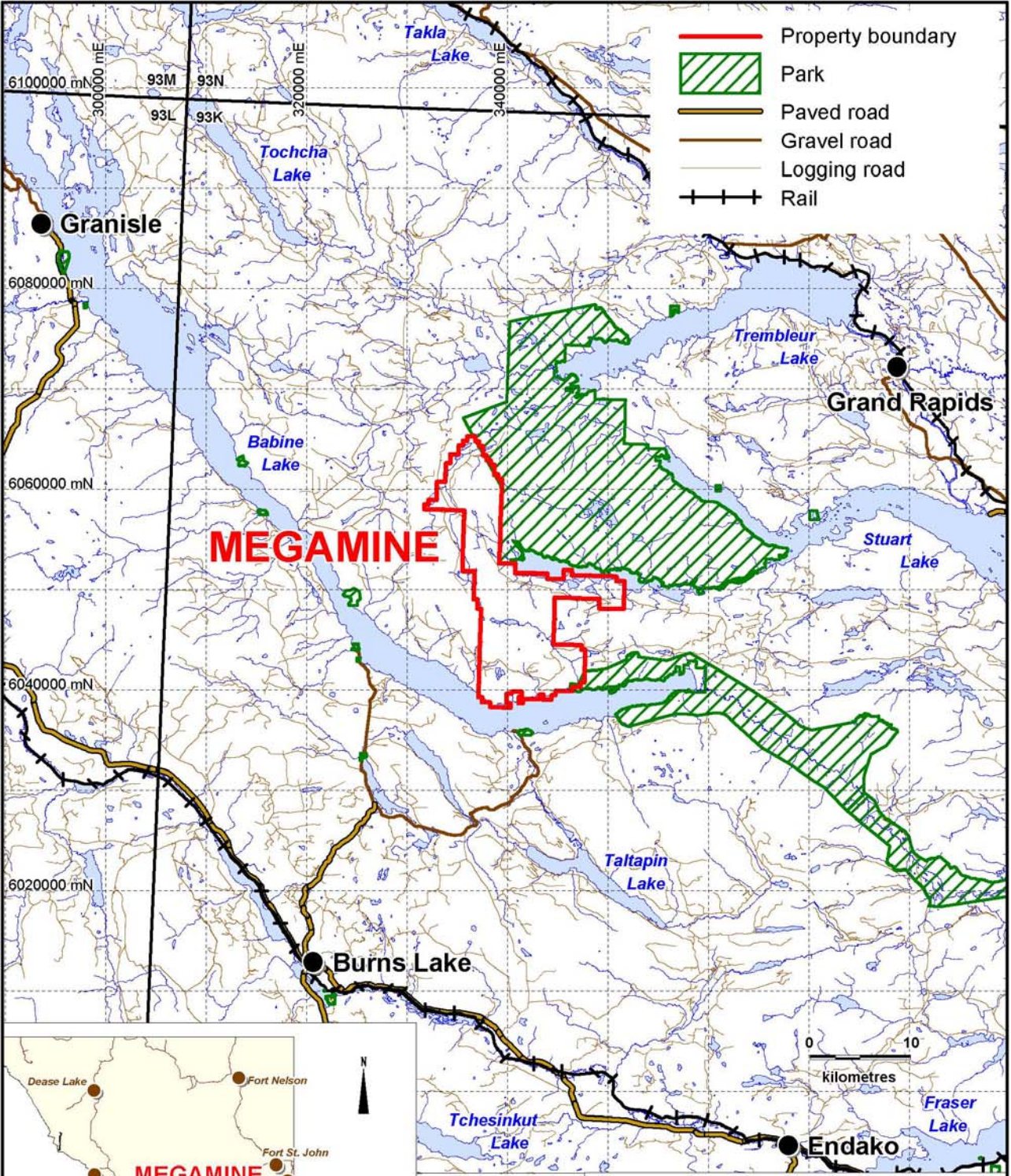
PHYSIOGRAPHY AND CLIMATE


The Megamine property is situated in the Fort St. James and Nadina Forest Districts of the Northern Interior Forest Region. The general topography is mountainous with intermittent lakes, swamps and marshes. Elevations range from 740 m to 1,420 m above sea level. The area is forested primarily with lodgepole pine, spruce, and blue Douglas fir, with scattered patches of aspen, balsam, and devils club.

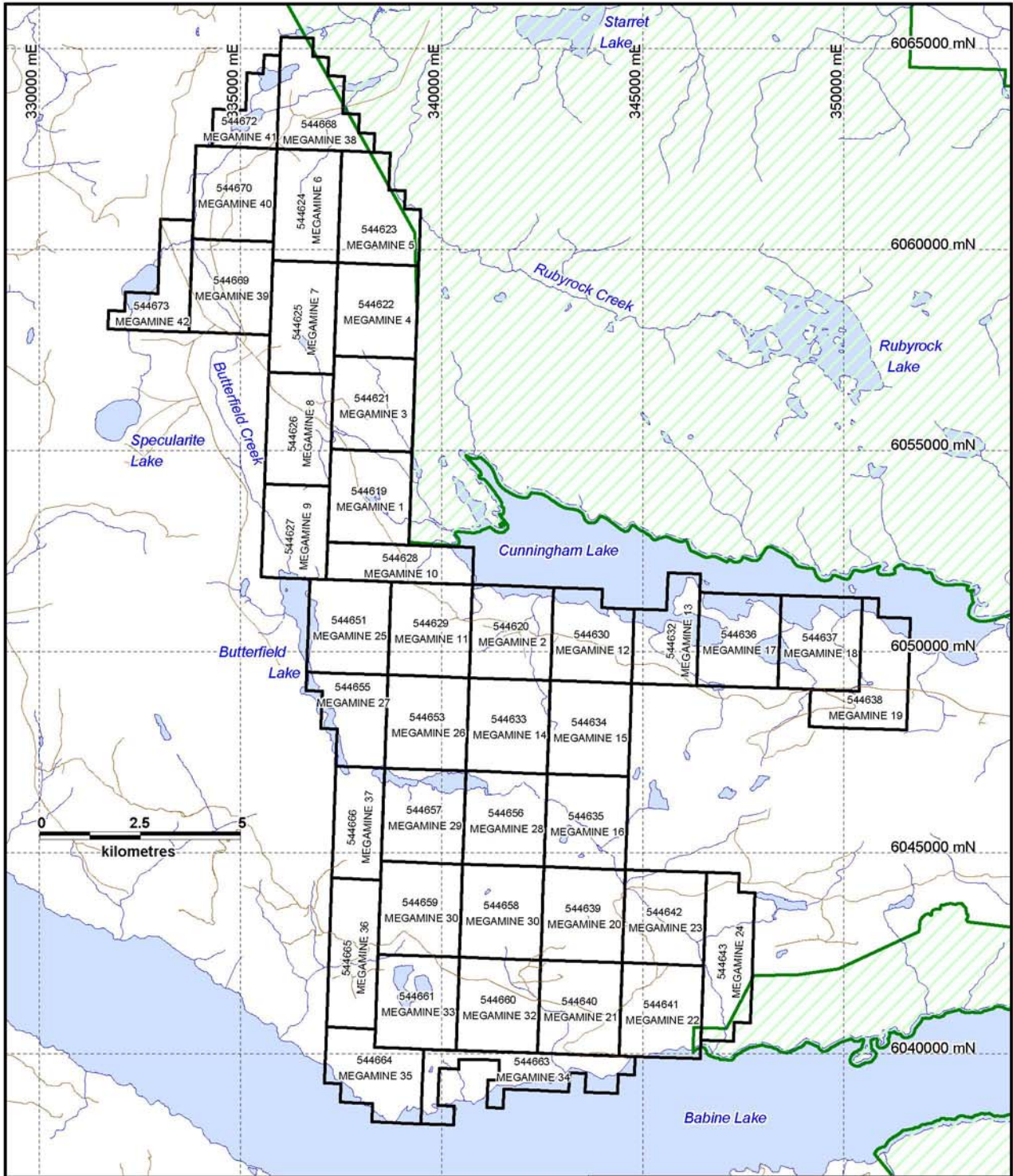
Average temperatures in Burns Lake are 16.6°C in summer and -11.7°C in winter, with annual rainfall averaging 29.1 cm and annual snowfall averaging 189.8 cm, respectively (Environment Canada Climate Weather Office Public Website http://www.climate.weatheroffice.ec.gc.ca/climate_normals/index_1961_1990_e.html).




CLAIMS

The Megamine property consists of 42 claims covering an area of 18,581.879 hectares (Figure 2). The claims were staked in October, 2006, for Amarc Resources Ltd. (FMC #146093), who owns 100% of the claims listed in Table 1, below.



 Amarc Resources Ltd. MEGAMINE	
Property Location	
NTS: 93K	Figure 1
Date: February 27, 2008	Scale: 1 : 600 000
MEGAMINE_AssRpt_Loco_Feb2708.WOR UTM NAD83 Zone 10	Plotted by : GMD



-  Claim boundary
-  Park
-  Logging road



Amarc Resources Ltd.
MEGAMINE

Claims

NTS: 93K/5,6,11,12 BCGS: 093K.043,44,53,54,63 **Figure 2**

Date: February 28, 2008

Scale: 1 : 150 000

MEGAMINE_AssRpt_claims_Feb2708.WOR
 UTM NAD83 Zone 10

Plotted by : GMD

Table 1. Megamine claims

Tenure Number	Claim Name	Issue Date	Expiry Date	Area (ha)
544619	MEGAMINE 1	30-Oct-06	31-Dec-07	468.346
544620	MEGAMINE 2	30-Oct-06	30-Oct-07	468.683
544621	MEGAMINE 3	30-Oct-06	31-Dec-07	468.111
544622	MEGAMINE 4	30-Oct-06	31-Dec-08	467.874
544623	MEGAMINE 5	30-Oct-06	31-Dec-09	467.626
544624	MEGAMINE 6	30-Oct-06	31-Dec-08	448.906
544625	MEGAMINE 7	30-Oct-06	31-Dec-08	449.182
544626	MEGAMINE 8	30-Oct-06	31-Dec-07	449.453
544627	MEGAMINE 9	30-Oct-06	30-Oct-07	374.751
544628	MEGAMINE 10	30-Oct-06	30-Oct-07	337.329
544629	MEGAMINE 11	30-Oct-06	30-Oct-07	468.684
544630	MEGAMINE 12	30-Oct-06	30-Oct-07	431.197
544632	MEGAMINE 13	30-Oct-06	30-Oct-07	374.945
544633	MEGAMINE 14	30-Oct-06	30-Oct-07	468.918
544634	MEGAMINE 15	30-Oct-06	30-Oct-07	468.922
544635	MEGAMINE 16	30-Oct-06	30-Oct-07	469.158
544636	MEGAMINE 17	30-Oct-06	30-Oct-07	468.685
544637	MEGAMINE 18	30-Oct-06	30-Oct-07	468.680
544638	MEGAMINE 19	30-Oct-06	30-Oct-07	468.767
544639	MEGAMINE 20	30-Oct-06	30-Oct-07	469.395
544640	MEGAMINE 21	30-Oct-06	30-Oct-07	469.636
544641	MEGAMINE 22	30-Oct-06	30-Oct-07	469.646
544642	MEGAMINE 23	30-Oct-06	30-Oct-07	469.403
544643	MEGAMINE 24	30-Oct-06	30-Oct-07	469.500
544651	MEGAMINE 25	30-Oct-06	30-Oct-07	468.681
544653	MEGAMINE 26	30-Oct-06	30-Oct-07	468.919
544655	MEGAMINE 27	30-Oct-06	30-Oct-07	356.368
544656	MEGAMINE 28	30-Oct-06	30-Oct-07	469.152
544657	MEGAMINE 29	30-Oct-06	30-Oct-07	469.153
544658	MEGAMINE 30	30-Oct-06	30-Oct-07	469.386
544659	MEGAMINE 30	30-Oct-06	30-Oct-07	469.387
544660	MEGAMINE 32	30-Oct-06	30-Oct-07	469.625
544661	MEGAMINE 33	30-Oct-06	30-Oct-07	469.624
544663	MEGAMINE 34	30-Oct-06	30-Oct-07	469.809
544664	MEGAMINE 35	30-Oct-06	30-Oct-07	432.228
544665	MEGAMINE 36	30-Oct-06	30-Oct-07	450.723
544666	MEGAMINE 37	30-Oct-06	30-Oct-07	337.806
544668	MEGAMINE 38	30-Oct-06	31-Dec-08	448.652*
544669	MEGAMINE 39	30-Oct-06	31-Dec-07	467.826
544670	MEGAMINE 40	30-Oct-06	31-Dec-07	467.586
544672	MEGAMINE 41	30-Oct-06	31-Dec-07	243.035
544673	MEGAMINE 42	30-Oct-06	31-Dec-07	318.122

Tenure Number	Claim Name	Issue Date	Expiry Date	Area (ha)
			Total hectares:	18,581.879

*claim reduced subsequent to work program

EXPLORATION HISTORY

There are five mineral occurrences of interest in and near the Megamine property (Figure 3a). The Fort, BL and Boling occurrences lie on adjacent ground, but in geology that trends onto the Megamine claims. The Owl and Lorne occurrences lie within the Megamine claims. Information on these occurrences has been drawn from the B.C. MINFILE. Assessment work for all of these occurrences is listed in Table 2, below.

The Fort occurrence consists of Cu-Mo-Ag mineralization associated with strongly potassic-altered monzonite. The BL occurrence consists of copper mineralization associated with pyroxenite. The Boling occurrence consists of narrow veins with silver-rich galena and native silver that was mined from two small adits in the 1920's and 30's.

Within the Megamine property, the Owl occurrence consists of several showings in volcanics of the Cache Creek Complex. There is disseminated Cu-Ag mineralization in andesite, Cu-Ag-Au quartz stringers in rhyolite and andesite, and quartz-carbonate veins in altered volcanic breccia with copper, zinc, silver and gold. Massive sulphide boulders are also reported to occur in the area.

Also within the claims is the Lorne occurrence. There has been no assessment work filed on this occurrence; MINFILE reports argentiferous galena in Cache Creek argillite and andesite.

Previous work on the Megamine property was concentrated primarily on the Butterfield Lake zone in the 1970s by Royal Canadian Ventures, which identified a copper anomaly. This anomaly was further explored by Lacana in 1988. From 1990-1992, Halleran carried out a detailed exploration program on the Condor and Owl claims, investigating an Au-Ag anomaly. These projects, along with additional assessment work on the MEGAMINE property, are contained in the following assessment reports:

Table 2. Previous work

ASIR	Year	Author	Company	Showing	Results/Recommendations
2319	1970	Nels Vollo	Royal Canadian Ventures	BL	Magnetometer survey shows linear NNWly trends
2917	1970	Nels Vollo	Royal Canadian Ventures	BL	Cu soil anomalies coincident with EM zones in basic volcanics & intrusives Recommends Induced Polarization, detailed geology and drilling
11520	1983	C. Spence	RioCanex	BL	800 m of anomalous Cu in soils
15358	1986	E. A. Shaede	E. Shaede, L. Warren	Boling	significant Ag, Pb, Zn, Zn veins; adits and trenches present; Au in panned concentrate
17294	1988	E. A. Shaede	E. Shaede, Lacana	BL	100 m x 700-2000 m long NNWly Ag,Cu,Pb,Zn,As,Mo soil anomaly

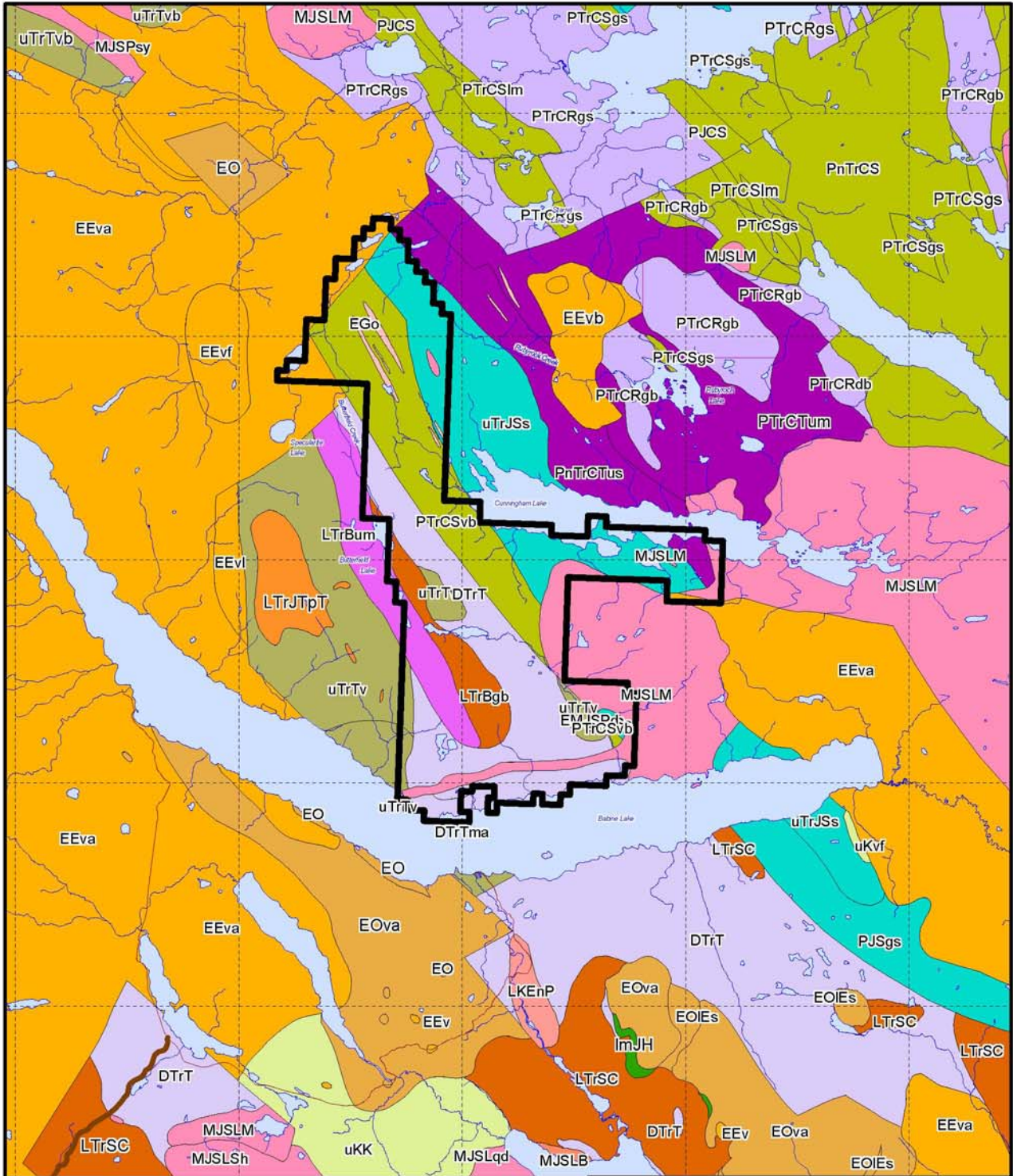
ASIR	Year	Author	Company	Showing	Results/Recommendations
20377	1990	Arthur Halleran	Halleran	Owl	Massive sulphide float, Ag-Cu veins, K feldspar veining, chalcopyrite blebs in andesite
21284	1991	Will Halleran	Halleran	Boling	High grade Ag-Au veins in quartz-carbonate alteration of amphibolites along foliation and in faults
21640	1991	Arthur Halleran	Halleran	Owl	Chloritic andesite and light grey rhyolite Volcanics shattered, silicified, with minor quartz veins, chalcopyrite, magnetometer survey
22157	1992	Arthur Halleran	Halleran	Boling	Work on adits on claims held by others
22610	1992	I. Neill	Cominco / Halleran	Owl	Sporadic chalcopyrite + malachite in porphyritic volcanics with 200-500 ppm Cu Cu soil anomaly east of Butterfield Lake One Induced Polarization anomaly of limited extent in area of unaltered, barren outcrops
25760	1998	Glen L. Garratt S. W. Tregaskis J. Page	Ascot / Eastfield / Haslinger	Fort	Elden hydrothermal breccia has continuous 0.1% Cu mineralization over 44 m exposed area A 300 x 600 m and 300 x 900 m Induced Polarization anomalies flank coincident resistivity and magnetic highs Cu anomaly in soils

REGIONAL GEOLOGY

The Megamine property lies along the boundary between Cache Creek and Stikine terranes. Cache Creek Terrane in this area consists of upper Triassic to lower Jurassic sedimentary rocks of the Sitlika Assemblage, and lower Permian to upper Triassic basaltic volcanic rocks of the Sowchea Succession of the Cache Creek Complex (Figures 3a, 3b). Stikine Terrane consists of upper Devonian to upper Triassic metamorphic rocks of the Taltapin Metamorphic Complex, and upper Triassic volcanics of the Takla Group. The Cache Creek/Stikine boundary lies along the contact between the Taltapin and Cache Creek complexes. Volcanics of the overlying Eocene to Oligocene Nechako Plateau Group cover a large area to the west of the claims, and a smaller region to the east.

A large intrusion of quartz diorite belonging to the middle Jurassic Endako Batholith occurs on the southeast side of the claims. Smaller bodies of this type and also of younger Eocene granodiorite intrude stratified rocks of the Cache Creek Complex and the Sitlika Assemblage in the northern area of the claims. Several large Triassic intrusions occur in rocks of Stikine Terrane, the largest of which is the Butterfield Lake ultramafic body.

The Sitlika assemblage has been divided into three subdivisions by Paterson (1974); the volcanic unit, an eastern clastic unit, and a western clastic unit. The lower Permian to lower Triassic volcanic unit comprises greenschist facies mafic to felsic flow and fragmental rocks, comagmatic mafic to felsic intrusions, and subordinate sedimentary rocks that include sandstone, slate and chert. The upper Triassic to lower Jurassic eastern clastic unit is composed of variably foliated siltstone, sandstone and conglomerate containing felsic volcanic and plutonic clasts, medium to dark grey slate and phyllite. It also locally includes foliated limestone, limestone conglomerate and green chloritic phyllite. The middle to upper Jurassic



Amarc Resources Ltd.
MEGAMINE

Claims

NTS: 93K
 Date: February 27, 2008
 MEGAMINE_AssRpt_Loco_Feb2708_WOR
 UTM NAD83 Zone 10

Figure 2

Scale: 1 : 600 000

Plotted by : GMD



STRATIGRAPHY

EOCENE - OLIGOCENE

Nechako Plateau Group

- EO**
OOTSA LAKE FORMATION
rhyolite, felsic volcanic rocks
- EOva**
OOTSA LAKE FORMATION
andesitic volcanic rocks
- EEva**
ENDAKO FORMATION
andesitic volcanic rocks
- EEvb**
ENDAKO FORMATION
basaltic volcanic rocks
- EEvf**
ENDAKO FORMATION
rhyolite, felsic volcanic rocks
- EEvl**
ENDAKO FORMATION
coarse volcanoclastic and pyroclastic volcanic rocks

LATE CRETACEOUS

- uKvf**
dacitic volcanic rocks

LATE TRIASSIC

- uTrTv**
TAKLA GROUP
undivided volcanic rocks

LATE TRIASSIC - EARLY JURASSIC

- uTrJSs**
SITLIKA ASSEMBLAGE - CLASTIC UNIT
undivided sedimentary rocks

EARLY PERMIAN - LATE JURASSIC

- PJCS**
CACHE CREEK COMPLEX - SOWCHEA SUCCESSION
mudstone, siltstone, shale fine clastic sedimentary rocks
- PTrCSgs**
CACHE CREEK COMPLEX - SOWCHEA SUCCESSION
greenstone, greenschist metamorphic rocks
- PTrCSIm**
CACHE CREEK COMPLEX - SOWCHEA SUCCESSION
limestone, marble, calcareous sedimentary rocks

EARLY PERMIAN - LATE TRIASSIC

- PJSgs**
SITLIKA ASSEMBLAGE - VOLCANIC UNIT
greenstone, greenschist metamorphic rocks
- PTrCSvb**
CACHE CREEK COMPLEX - SOWCHEA SUCCESSION
basaltic volcanic rocks

LATE PENNSYLVANIAN - LATE TRIASSIC

- PnTrCS**
CACHE CREEK COMPLEX - SOWCHEA SUCCESSION
undivided sedimentary rocks

LATE DEVONIAN - LATE TRIASSIC

- DTrT**
TALTAPIN METAMORPHIC COMPLEX
lower amphibolite/kyanite grade metamorphic rocks
- DTrTma**
TALTAPIN METAMORPHIC COMPLEX
limestone, marble, calcareous sedimentary rocks

INTRUSIVE ROCKS

EOCENE

- EGo**
UNNAMED
granodioritic intrusive rocks

MIDDLE JURASSIC

- MJSLM**
ENDAKO BATHOLITH - STAG LAKE PLUTONIC SUITE - MCKNAB PHASE
quartz dioritic intrusive rocks

EARLY - MIDDLE JURASSIC

- EMJSPd**
SPIKE PEAK INTRUSIVE SUITE
dioritic intrusive rocks

LATE TRIASSIC - EARLY JURASSIC

- LTrJTpt**
TOPLEY INTRUSIVE SUITE - TOCHCHA LAKE STOCK
dioritic intrusive rocks

LATE TRIASSIC

- LTrBgb**
BUTTERFIELD LAKE INTRUSIVE COMPLEX
gabbroic to dioritic intrusive rocks
- LTrBum**
BUTTERFIELD LAKE INTRUSIVE COMPLEX
ultramafic rocks
- LTrSC**
STERN CREEK PLUTONIC SUITE - STERN CREEK PHASE
dioritic intrusive rocks

EARLY PERMIAN - LATE TRIASSIC

- PTrCRgs**
CACHE CREEK COMPLEX - RUBYROCK IGNEOUS COMPLEX
greenstone, greenschist metamorphic rocks
- PTrCRgb**
CACHE CREEK COMPLEX - RUBYROCK IGNEOUS COMPLEX
gabbroic to dioritic intrusive rocks
- PTrCTum**
CACHE CREEK COMPLEX - TREMBLEUR ULTRAMAFITE UNIT
ultramafic rocks
- PTrCRdb**
CACHE CREEK COMPLEX - RUBYROCK IGNEOUS COMPLEX
diabase, basaltic intrusive rocks

LATE PENNSYLVANIAN - LATE TRIASSIC

- PnTrCTus**
CACHE CREEK COMPLEX - TREMBLEUR ULTRAMAFITE UNIT
serpentine ultramafic rocks

 **Amarc Resources Ltd.**
MEGAMINE

Geological Legend

Figure 3b

Date: February 28, 2008

MEGAMINE_AssRpt_RegGeol_Feb2708.WOR
UTM NAD83 Zone 10

Plotted by : GMD

Western clastic unit consists of dark grey slate, foliated chert pebble conglomerate and chert grain sandstone. It also contains lesser amounts of foliated limestone and grey phyllite containing flattened sedimentary and volcanic lithic granules. The current interpretation (Schiarizza and MacIntrye, 1999) suggests that the western and eastern clastic assemblages are equivalent structural repetitions. A near vertical, north-south trending schistosity penetrates the majority of the Sitlika lithologies, and represents an axial plane cleavage reflecting folding during a Late Jurassic - Early Cretaceous structural event.

Correlation between the Sitlika Assemblage and the Kutcho Assemblage, another deformed Permo-Triassic volcanic arc approximately 300 km to the north, was first suggested by Monger et.al. (1978). Monger and his co-workers suggested that the Kutcho Assemblage had originally been part of the Sitlika Assemblage, but was displaced to the north along Late Cretaceous to Early Tertiary strike slip faults, principally the Kutcho, Findlay, Ingenika and Takla Faults. The Kutcho Assemblage hosts the Kutcho Creek Cu-Zn-Ag-Au-Pb volcanogenic massive sulphide deposit.

LINE CUTTING

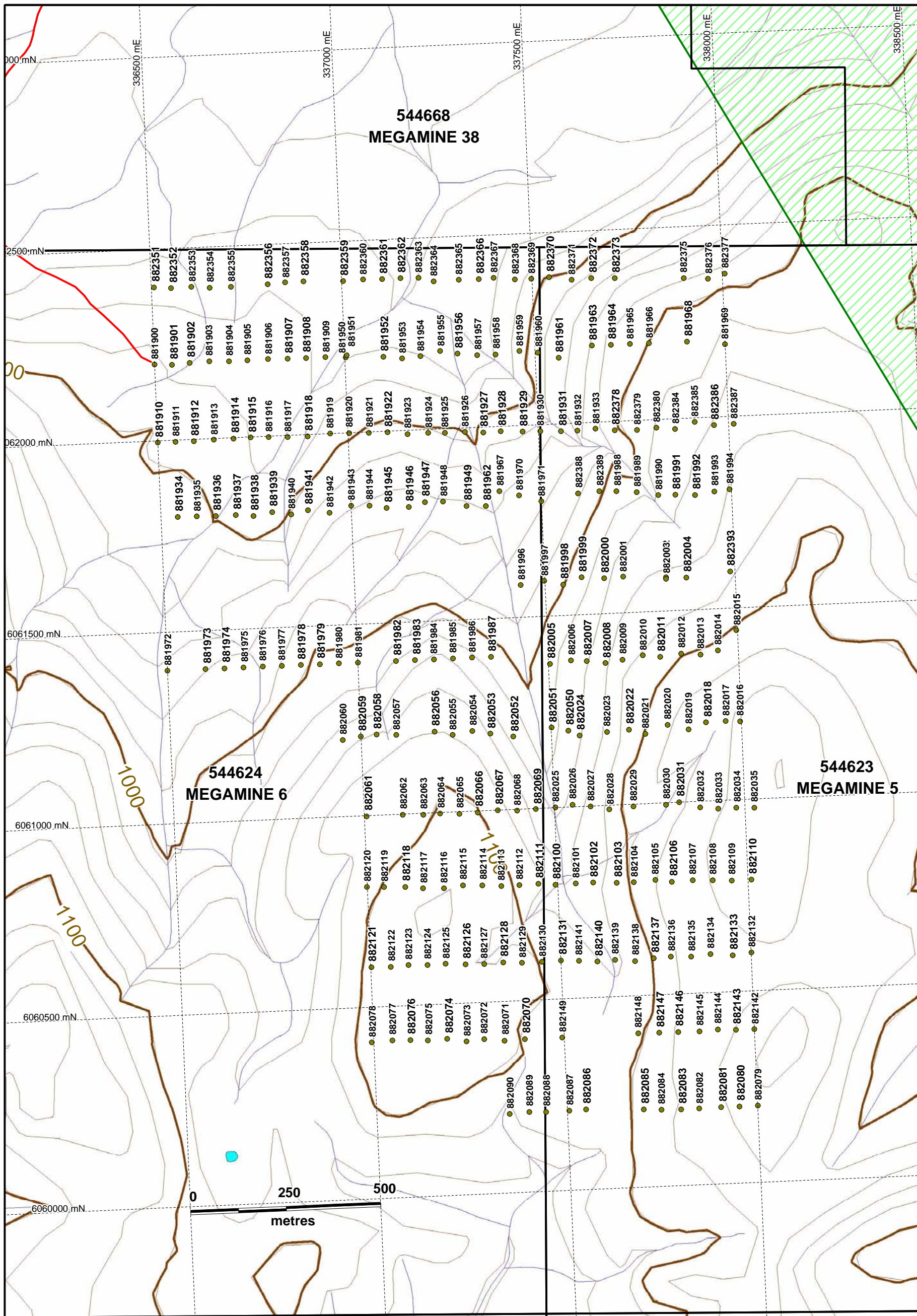
Tootikoh Contracting of Fort St. James was contracted to establish base and tie lines for the soil grid to provide access for the geochemical survey. A total of 8.3 km of line was cleared to a width of approximately 1.0 m between September 19 and September 27, 2007, using chainsaws and machetes. Living trees were left in place and only brush and deadfall were removed from the right of way.

GEOCHEMISTRY

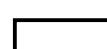
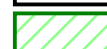

A total of 262 grid soil samples (Figure 4) were collected on the Megamine property during the 2007 field season. One soil grid, located between 6,060,000 N and 6,062,500 N, was established to define the source of anomalous stream sediment samples collected in July 2007. Soil samples were collected between September 18 and October 5, 2007. All samples were collected by Amarc personnel on flagged lines.

Soil sample sites were indicated using pink and blue flagging and Tyvek tags labeled with the grid coordinates and sample numbers. UTM coordinates were determined for all sample locations using a handheld GPS instrument. Sample spacing was 200 m × 25 m. About 0.5 kg of material was collected for each soil sample using a mattock or hand auger. In most cases, the B horizon was sampled; however, in a few rocky locations the C or combined B/C horizon was sampled. Soil samples were collected in labeled 10 cm × 15 cm Kraft paper bags. Samples were shipped to the Acme Analytical preparation lab in Smithers, B.C. for drying and sieving before shipment to Acme's lab in Vancouver, B.C. where they were analyzed for 36 elements by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS). Analytical procedures are described in Appendix A; analytical certificates are in Appendix B.

Simple statistical parameters for copper are presented in Table 3, below.



● Soil sample location with sample number posted

-  Claim boundary
-  Park
-  Logging road



Note: Topographic base from the MapPlace; contour interval 20 m

Amarc Resources Ltd.		
MEGAMINE		
Sample Locations		
NTS: 93K/12	BCGS: 93K.063	Figure 4
Date: February 28, 2008		Scale: 1 : 10,000
Megamine_AssRpt_SampLocc_Feb2808.WOR UTM NAD83 Zone 10		Plotted by : GMD

Table 3. Soil sample statistics

	Cu (ppm)
Minimum	8.1
Maximum	856.7
Mean	63.63664
Median	28.95
Standard Deviation	93.55174
Mean + 1SD	157.1884
Mean + 2SD	250.7401
Mean + 3SD	344.2919
Number of Samples	262

Analyses of soil samples taken on the Megamine grid yielded a significant copper anomaly (Figure 5). Copper values greater than 300 ppm are concentrated in the southeastern portion of the grid, ranging up to 856.7 ppm. In addition, a few copper values over 200 ppm occur in a northerly-trending discontinuous linear zone in the northeastern area of the grid.

RECOMMENDATIONS

Anomalous copper values in the southeast corner of the grid warrant follow up. It is recommended that the soil grid be extended to the east and south. Geological mapping and prospecting are also required.

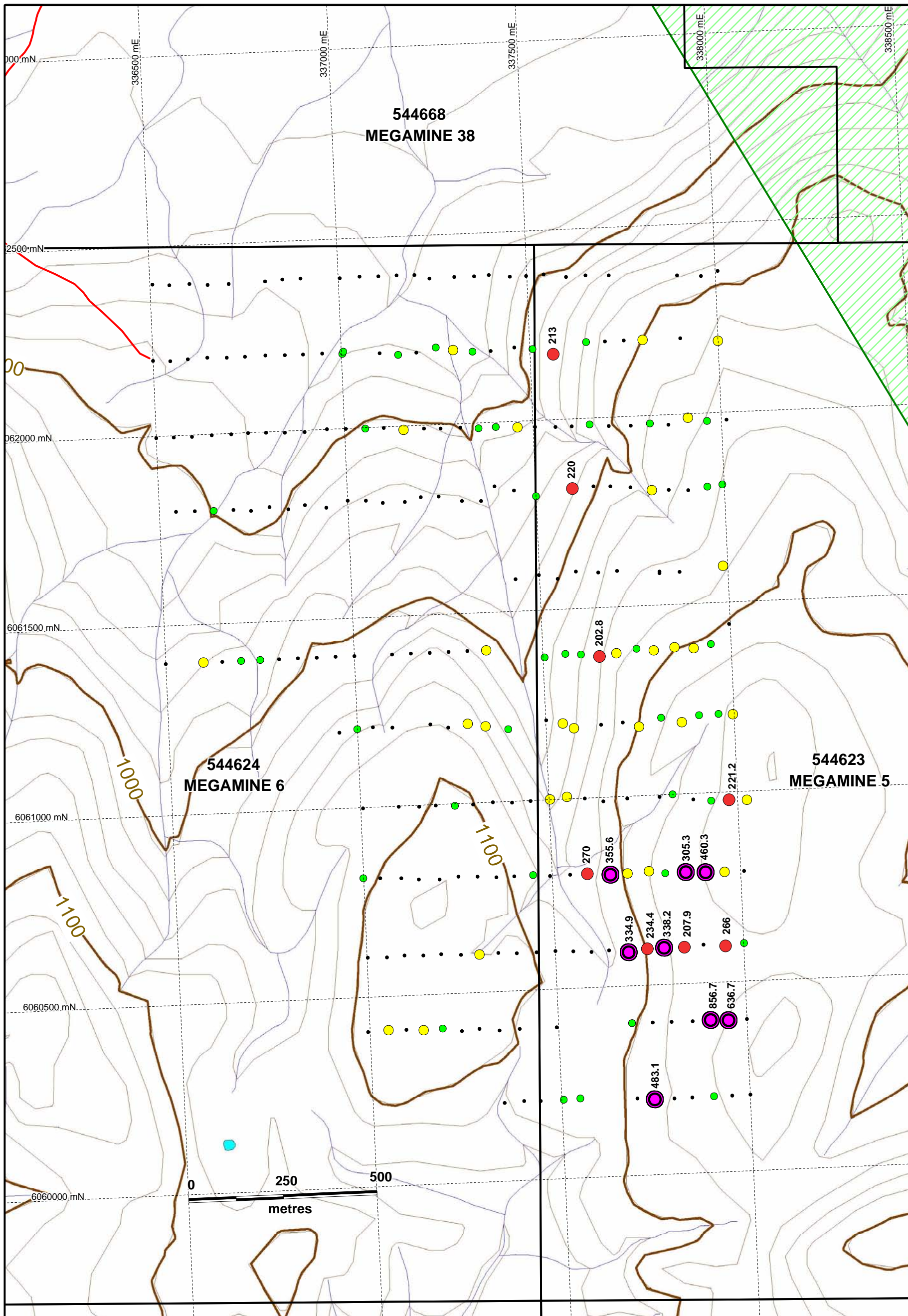
Respectfully submitted,

Gwendolen Ditson, P.Geol.

Taylor Johnson, B.A. (Geol)

Wojtek Jakubowski, P.Geol.

David A. Yeager, P.Geol.



ppm Cu in Soil

- 300 to 856.7 (8)
- 200 to 300 (8)
- 100 to 200 (30)
- 50 to 100 (41)
- 0 to 50 (175)

Values > 200 ppm posted

- Claim boundary
- ▨ Park
- Logging road

Note: Topographic base from the MapPlace; contour interval 20 m



Amarc Resources Ltd.

MEGAMINE

Copper in Soil

NTS: 93K/12	BCGS: 93K.063	Figure 5
Date: February 28, 2008		Scale: 1 : 10,000
Megamine_AssRpt_soilCu_Feb2808.WOR		Plotted by : GMD
UTM NAD83 Zone 10		

REFERENCES

- Environment Canada Climate Weather Office Public Website, accessed January 3, 2008:
http://www.climate.weatheroffice.ec.gc.ca/climate_normals/index_1961_1990_e.html
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- Schiarizza, P., and MacIntrye, D., 1999: Geology of the Babine Lake – Takla Lake Area, Central British Columbia (93K/11, 12, 13, 14; 93N/3, 4, 5, 6). Geological Fieldwork 1998, Ministry of Energy and Mines, Paper 1999-1, p. 33-68.

STATEMENTS OF AUTHORS' QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, *Gwendolen May Ditson*, do hereby state that:

1. I am a Compilation Geologist working for Amarc Resources Ltd., with offices located at 1020 – 800 West Pender Street, Vancouver, B.C.
2. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, holding License Number 20135.
3. I am a graduate of the University of Southern California (B.S., 1974), and the University of British Columbia (M.Sc., 1978).
4. I have 26 years of experience as an exploration geologist, and have worked in Canada, the United States, Chile, and Mexico.
5. I am an author of this report, and am also responsible for the technical figures.

Signed on the 28th day of February, 2008

Gwendolen May Ditson, M.Sc., P.Geo.

STATEMENT OF QUALIFICATIONS

I, *Taylor R. Johnson*, do hereby state:

1. That I am a Geological Assistant for Hunter Dickinson Inc., with offices located at 1020 – 800 West Pender Street, Vancouver, B.C.
2. That I received a B.A. in Geology from Whitman College, Walla Walla, WA, USA in 2007.
3. That I am an author of this report.

Signed on the 28th day of February, 2008.

Taylor R. Johnson, B.A. (Geol)

STATEMENT OF QUALIFICATIONS

I, *David A. Yeager*, do hereby state:

1. That I am the Corporate Coordinator of Amarc Resources Ltd., with offices located at 1020 – 800 West Pender Street, Vancouver, B.C.
2. That I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia holding License Number 19855.
3. That I am a graduate of the University of British Columbia (B.Sc., 1972) and have been employed as an exploration and mining geologist since that time.
4. That my experience has given me considerable knowledge in geological, geochemical and geophysical prospecting techniques as well as in the planning, execution and evaluation of exploration drilling programs.
5. That the accompanying Statement of Costs is an accurate statement of expenditures on the project.

Signed on the 28th day of February, 2008

David A. Yeager, P.Geo.

STATEMENT OF QUALIFICATIONS

I, *Wojtek Jakubowski*, of Vancouver, British Columbia, hereby certify that:

1. I am a professional geoscientist residing at #303 639 West 14th Avenue and employed by Hunter Dickinson Inc. of 1020 - 800 West Pender Street, Vancouver, B.C., V6C 2V6.
2. I received a B.Sc. degree in Geological Sciences from McGill University, Montreal, Quebec in 1979.
3. I have practiced my profession for 29 years in Quebec, Northwest Territories, Yukon Territory, British Columbia and Mexico.
4. I am a member of the Association of Professional Engineers and Geoscientists of the province of British Columbia, registration number 19563.
5. I am an author of this report and the supervisor of the field work conducted on the Megamine mineral claims by Amarc Resources Ltd. during the period September 18 to October 5, 2007.

Signed on the 28th day of February, 2008

Wojtek Jakubowski, B.Sc., P. Geo

STATEMENT OF COSTS

MEGAMINE Project, 2007

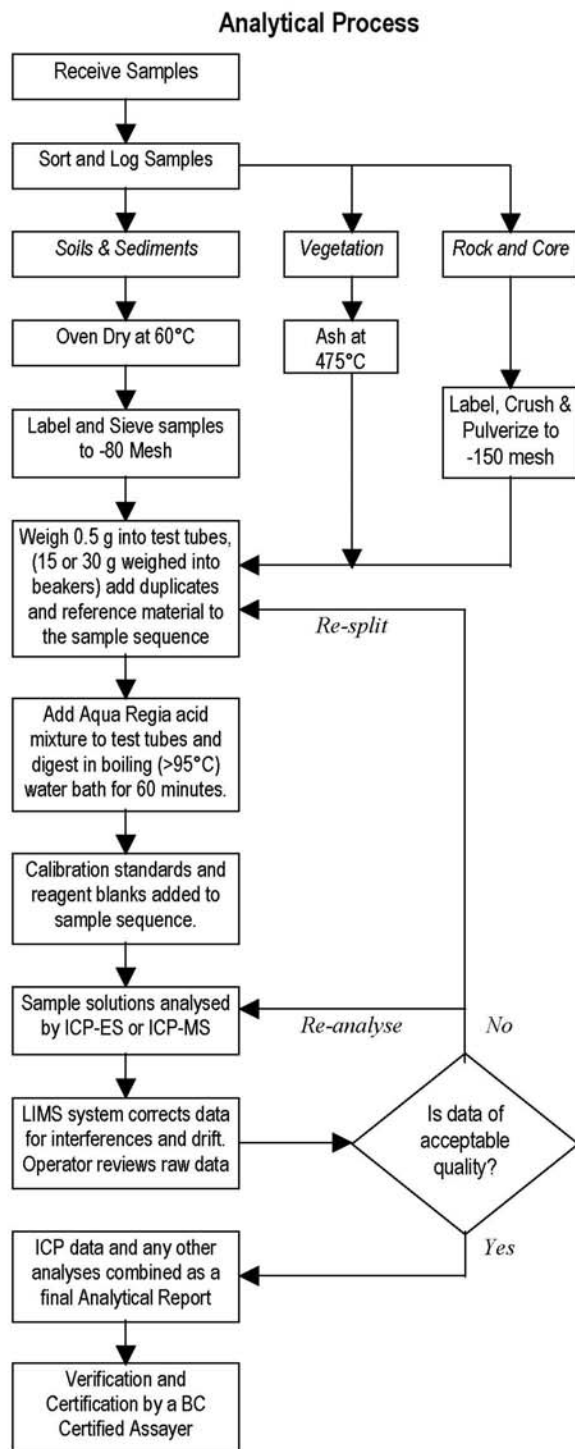
Project Supervision & Compilation	
Wojtek Jakubowski: 0.5 days @ \$640/day	\$320.00
Ahmed Ahmed: 18 days @ \$370/day	\$6,660.00
Mark Rebagliati, P.Eng: 0.5 days @ \$1,030/day	\$515.00
David Yeager, P.Geo: 3 days @ \$630/day	\$1,890.00
Gwendolen Ditson, P.Geo.: 10 days @ 550.00/day	\$5,500.00
Rentals and Rental Repairs Trucks, equipment, tools etc.	\$1,140.00
Assays Acme Analytical Labs Ltd.	\$6,980.00
Line Cutting Tootikoh	\$11,590.00
Geochemistry Amarc (September 18 – October 5, 2007)	
Sam Cameron: 2 days @ \$250/day	\$500.00
Chris Roe: 18 days @ \$290/day	\$5,220.00
Freight	\$260.00
Fuel	\$700.00
Field Equipment & Supplies	\$350.00
Meals, travel & accommodation	\$6,970.00
Report writing & drafting	
David Yeager, P.Geo.: 2 days @ 630.00/day	\$1,260.00
Wojtek Jakubowski: 0.25 days @ \$640/day	\$160.00
Gwendolen Ditson, P.Geo.: 2 days @ 550.00/day	\$1,100.00
Taylor Johnson: 4 days @ 248.00/day	\$992.00
Total:	\$52,107.00

APPENDIX A

ANALYTICAL PROCEDURES



METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO₃ and de-mineralised H₂O is added to each sample to leach for one hour in a hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

Sample Analysis

Group 1D: solutions aspirated into a Jarrel Ash AtomComp 800 or 975 ICP or Spectro Ciros Vision emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: solutions aspirated into a Perkin Elmer Elan 6000/9000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Tl, Sr, Th, Ti, U, V, W, Zn.

Quality Control and Data Verification

An Analytical Batch (1 page) comprises 33 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of in-house Standard Reference Materials like STD DS6 to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arciaga, Marcus Lau, Ken Kwok and Jacky Wang.

APPENDIX B
ASSAY CERTIFICATES



ACME ANALYTICAL LABORATORIES LTD.
852 E. Hastings St. Vancouver BC V6A 1R6 Canada
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

Amarc Resources

1020 - 800 W. Pender St.
Vancouver BC V6C 2V6 Canada

Submitted By:

Eric Titley

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

October 09, 2007

Report Date:

December 07, 2007

Page:

1 of 11

CERTIFICATE OF ANALYSIS

SMI07000331.1

CLIENT JOB INFORMATION

Project: Megamine
Shipment ID:
P.O. Number ACME FILE: A718498
Number of Samples: 272

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

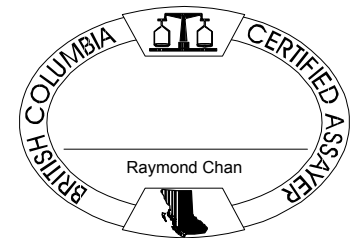
Invoice To: Amarc Resources
1020 - 800 W. Pender St.
Vancouver BC V6C 2V6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	272	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	272	Dry at 60C		
1DX	272	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



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Client: **Amarc Resources**
 1020 - 800 W. Pender St.
 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
881900	Soil	0.40	0.9	17.7	7.6	56	<0.1	19.7	7.8	466	2.33	7.1	0.5	1.1	1.3	34	0.1	0.6	0.1	43	0.33
881901	Soil	0.40	0.9	19.9	7.5	134	0.2	19.0	8.3	574	2.38	4.9	0.4	<0.5	0.9	39	0.6	0.4	0.1	42	0.40
881902	Soil	0.40	0.8	21.3	6.9	88	0.1	16.7	8.1	489	2.24	5.9	0.6	1.0	0.6	34	0.5	0.4	<0.1	41	0.31
881903	Soil	0.40	1.1	12.7	8.5	103	0.1	18.2	11.6	544	2.84	7.3	0.5	2.2	1.5	34	0.4	0.5	<0.1	52	0.33
881904	Soil	0.40	1.7	15.1	8.2	54	<0.1	16.0	9.2	614	2.42	6.8	0.6	1.1	1.4	35	0.2	0.5	<0.1	47	0.36
881905	Soil	0.40	0.7	12.1	5.0	86	0.1	13.6	6.3	438	1.83	3.7	0.4	0.7	1.1	34	0.3	0.3	<0.1	38	0.41
881906	Soil	0.50	0.9	12.1	6.2	51	<0.1	14.8	6.7	249	2.12	4.9	0.3	0.9	1.2	26	<0.1	0.5	<0.1	42	0.20
881907	Soil	0.40	0.7	9.3	5.4	79	<0.1	11.2	5.5	338	1.78	3.0	0.3	0.6	1.0	22	0.3	0.3	<0.1	37	0.19
881908	Soil	0.50	0.7	15.3	6.5	64	<0.1	15.3	6.6	332	2.25	5.9	0.5	1.8	1.6	33	0.1	0.5	<0.1	44	0.31
881909	Soil	0.40	0.9	12.7	5.7	57	<0.1	13.5	6.3	384	2.15	5.8	0.6	1.1	0.8	29	0.1	0.4	<0.1	42	0.24
881910	Soil	0.40	1.1	20.3	4.5	148	0.3	20.6	6.4	968	2.17	4.8	0.7	1.0	0.9	31	0.3	0.3	<0.1	39	0.24
881911	Soil	0.40	3.5	26.4	15.5	273	0.2	16.5	13.9	1152	2.97	6.8	0.6	1.2	1.0	52	1.9	0.5	0.1	56	0.47
881912	Soil	0.40	5.4	31.6	11.2	133	0.2	22.7	12.1	642	3.30	9.5	1.3	0.7	0.8	69	0.9	0.5	0.2	72	0.57
881913	Soil	0.40	1.8	22.7	10.7	150	0.3	16.6	11.6	901	3.09	6.5	0.5	0.5	1.0	39	0.6	0.4	0.1	66	0.46
881914	Soil	0.50	1.7	46.9	10.4	75	0.2	28.7	13.7	679	3.57	10.8	0.8	1.2	1.8	47	0.3	0.5	0.1	82	0.57
881915	Soil	0.40	1.5	12.1	6.4	80	<0.1	12.1	6.5	835	2.06	4.7	0.3	11.3	0.9	24	0.7	0.4	<0.1	41	0.20
881916	Soil	0.50	1.3	12.5	5.9	70	0.1	15.4	7.1	531	2.12	5.0	0.4	0.8	0.9	26	0.3	0.4	<0.1	42	0.23
881917	Soil	0.40	1.3	8.1	6.1	100	0.1	11.5	5.9	272	2.04	4.5	0.3	<0.5	0.8	23	0.3	0.3	<0.1	42	0.20
881918	Soil	0.30	2.6	13.7	6.7	134	0.2	16.1	8.2	1064	2.12	4.0	0.5	0.9	0.5	50	0.7	0.4	<0.1	41	0.37
881919	Soil	0.40	2.7	23.6	7.4	115	0.3	18.1	10.7	1053	2.38	4.4	1.1	0.5	0.6	46	0.5	0.4	0.1	44	0.36
881920	Soil	0.40	2.9	20.9	9.7	82	0.2	15.4	9.9	399	2.57	5.8	1.0	5.5	2.0	31	0.2	0.4	0.1	50	0.22
881921	Soil	0.30	3.1	71.3	7.9	59	0.2	16.8	7.4	410	2.38	6.3	3.5	0.8	1.7	42	0.1	0.5	<0.1	45	0.32
881922	Soil	0.40	4.5	36.8	9.4	77	0.2	14.1	11.2	482	2.46	5.7	1.1	0.9	1.8	37	0.2	0.5	0.1	48	0.26
881923	Soil	0.40	9.7	167.2	14.1	80	0.4	21.8	17.9	580	2.59	6.5	9.5	2.3	1.9	46	0.4	0.6	0.2	48	0.37
881924	Soil	0.30	3.7	20.9	10.2	63	0.2	13.2	6.8	406	2.13	5.3	1.0	0.7	0.7	30	0.6	0.4	0.1	43	0.21
881925	Soil	0.40	4.2	39.9	9.3	76	0.2	17.8	7.6	548	2.22	5.3	3.4	0.9	1.5	46	0.9	0.4	0.1	43	0.37
881926	Soil	0.40	3.1	14.8	8.1	79	0.2	12.1	5.9	212	2.37	5.7	0.4	<0.5	1.2	20	0.4	0.4	<0.1	50	0.16
881927	Soil	0.30	5.1	74.7	9.3	68	0.1	19.8	7.8	483	2.39	6.2	4.4	1.3	1.2	61	0.6	0.5	0.1	46	0.52
881928	Soil	0.60	5.6	62.0	9.8	60	0.2	18.7	8.4	456	2.51	7.2	4.1	2.4	1.6	43	0.5	0.5	0.1	49	0.25
881929	Soil	0.40	5.0	116.0	12.9	78	0.3	22.6	11.3	595	2.87	6.3	9.1	1.3	2.3	56	0.3	0.6	0.2	57	0.42

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 1020 - 800 W. Pender St.
 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

Page: 2 of 11 Part 2

CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	
881900	Soil	0.075	10	18	0.35	141	0.033	<1	1.10	0.009	0.06	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5
881901	Soil	0.124	7	19	0.31	249	0.025	<1	1.10	0.009	0.11	0.2	0.02	2.7	<0.1	<0.05	4	<0.5
881902	Soil	0.080	9	16	0.31	144	0.027	1	1.02	0.009	0.07	0.1	0.03	2.6	<0.1	<0.05	4	<0.5
881903	Soil	0.223	7	21	0.32	269	0.024	<1	1.58	0.008	0.06	0.2	0.03	3.1	<0.1	<0.05	4	<0.5
881904	Soil	0.064	8	18	0.33	151	0.033	<1	1.01	0.012	0.06	0.2	0.02	3.3	<0.1	<0.05	3	<0.5
881905	Soil	0.062	8	14	0.26	219	0.034	2	0.94	0.008	0.07	0.2	0.01	2.2	<0.1	<0.05	3	<0.5
881906	Soil	0.034	6	16	0.29	131	0.041	<1	0.98	0.009	0.04	<0.1	0.02	2.1	<0.1	<0.05	3	<0.5
881907	Soil	0.062	7	14	0.22	131	0.036	<1	0.92	0.008	0.06	0.1	0.01	2.0	<0.1	<0.05	4	<0.5
881908	Soil	0.096	8	18	0.30	127	0.048	1	0.98	0.011	0.05	0.1	0.02	2.6	<0.1	<0.05	3	<0.5
881909	Soil	0.070	7	16	0.31	89	0.036	1	0.90	0.009	0.05	0.1	0.02	2.3	<0.1	<0.05	3	<0.5
881910	Soil	0.089	11	21	0.26	228	0.012	<1	1.68	0.011	0.07	<0.1	0.04	3.0	<0.1	<0.05	5	<0.5
881911	Soil	0.238	7	22	0.34	435	0.039	<1	1.34	0.009	0.10	0.3	0.02	2.8	<0.1	<0.05	6	<0.5
881912	Soil	0.106	8	34	0.47	308	0.044	<1	1.63	0.009	0.11	0.4	0.03	3.9	0.1	<0.05	6	<0.5
881913	Soil	0.153	7	24	0.44	315	0.056	1	1.66	0.010	0.13	0.2	0.03	3.0	0.1	<0.05	6	<0.5
881914	Soil	0.175	11	33	0.69	315	0.067	<1	2.19	0.010	0.14	0.4	0.03	3.9	0.2	<0.05	6	<0.5
881915	Soil	0.106	6	15	0.20	216	0.029	<1	0.89	0.007	0.06	0.2	0.02	2.2	<0.1	<0.05	3	<0.5
881916	Soil	0.087	7	16	0.28	138	0.033	<1	1.06	0.007	0.05	0.1	0.03	2.2	<0.1	<0.05	3	<0.5
881917	Soil	0.077	5	14	0.21	163	0.029	<1	1.09	0.007	0.05	0.1	0.02	1.9	<0.1	<0.05	4	<0.5
881918	Soil	0.153	7	17	0.22	256	0.027	<1	1.17	0.009	0.08	0.1	0.03	2.1	<0.1	<0.05	4	<0.5
881919	Soil	0.108	8	17	0.27	194	0.029	<1	1.48	0.008	0.11	0.1	0.03	2.0	<0.1	<0.05	5	<0.5
881920	Soil	0.127	7	19	0.29	151	0.029	1	1.60	0.009	0.08	0.1	0.02	2.7	<0.1	<0.05	6	<0.5
881921	Soil	0.078	23	17	0.31	174	0.026	<1	1.41	0.009	0.11	0.2	0.02	2.9	<0.1	<0.05	5	<0.5
881922	Soil	0.092	8	18	0.29	177	0.035	1	1.32	0.009	0.06	0.2	0.02	2.5	<0.1	<0.05	5	<0.5
881923	Soil	0.071	21	19	0.38	200	0.023	<1	1.58	0.011	0.08	0.3	0.04	4.0	0.1	<0.05	5	<0.5
881924	Soil	0.063	9	15	0.21	167	0.030	<1	0.99	0.009	0.06	0.2	0.03	1.9	<0.1	<0.05	4	<0.5
881925	Soil	0.038	11	17	0.29	160	0.033	<1	0.93	0.010	0.07	0.2	0.02	2.9	<0.1	<0.05	4	<0.5
881926	Soil	0.087	6	16	0.23	119	0.033	<1	1.14	0.009	0.04	0.1	0.02	2.2	<0.1	<0.05	4	<0.5
881927	Soil	0.075	15	20	0.35	169	0.031	<1	1.27	0.012	0.07	<0.1	0.04	3.5	<0.1	<0.05	4	<0.5
881928	Soil	0.030	13	18	0.33	171	0.037	<1	1.11	0.010	0.06	0.1	0.03	3.1	<0.1	<0.05	4	<0.5
881929	Soil	0.078	19	21	0.36	207	0.023	<1	1.61	0.010	0.08	0.3	0.04	4.0	0.1	<0.05	5	<0.5

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Client: **Amarc Resources**
 1020 - 800 W. Pender St.
 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
881930	Soil	0.40	2.7	28.9	14.7	64	<0.1	18.9	11.1	647	2.66	8.6	0.7	1.3	2.4	42	0.3	0.7	0.1	52	0.39
881931	Soil	0.40	2.7	31.6	10.1	80	0.2	16.5	8.5	455	2.44	5.3	1.2	1.2	1.7	34	0.4	0.4	0.2	49	0.23
881932	Soil	0.40	2.5	19.4	12.0	119	0.2	18.3	10.5	793	2.54	4.0	0.8	1.1	1.7	38	0.4	0.4	0.2	48	0.33
881933	Soil	0.30	3.5	68.0	24.3	201	0.2	32.3	19.1	1025	3.31	8.1	1.1	0.6	2.2	28	0.5	0.5	12.1	62	0.19
881934	Soil	0.50	2.2	19.9	9.6	179	0.2	14.0	8.2	430	3.14	6.7	0.6	<0.5	1.3	27	0.7	0.4	0.2	58	0.23
881935	Soil	0.50	2.1	9.7	6.4	69	0.1	8.9	6.3	460	1.97	4.0	0.3	<0.5	0.7	26	0.4	0.3	<0.1	36	0.27
881936	Soil	0.40	14.6	88.6	8.1	74	0.2	19.7	7.9	709	2.59	7.3	13.7	<0.5	1.6	102	0.4	0.5	0.1	48	0.67
881937	Soil	0.60	1.1	12.8	5.6	77	<0.1	13.5	6.5	449	2.14	5.1	0.4	<0.5	0.9	29	0.3	0.3	<0.1	42	0.23
881938	Soil	0.50	2.0	16.5	6.8	113	0.2	13.7	7.9	872	2.09	5.6	0.4	0.8	0.7	39	1.4	0.3	<0.1	44	0.29
881939	Soil	0.50	4.7	49.7	8.6	80	0.3	22.0	6.7	382	2.50	7.4	3.2	<0.5	0.7	57	1.3	0.5	0.2	47	0.47
881940	Soil	0.50	2.3	14.5	10.3	176	0.2	11.1	8.3	969	2.51	4.9	0.5	<0.5	1.9	39	1.5	0.5	0.1	47	0.34
881941	Soil	0.50	4.4	31.7	10.4	85	0.3	13.9	7.0	284	2.50	7.7	1.1	<0.5	1.9	36	0.3	0.5	0.2	51	0.18
881942	Soil	0.60	2.7	25.5	8.9	55	<0.1	12.7	7.8	381	2.29	5.1	1.2	<0.5	1.5	39	0.3	0.4	0.1	49	0.31
881943	Soil	0.50	3.4	19.4	8.5	93	0.3	12.4	7.6	954	1.93	3.6	0.7	<0.5	1.0	41	0.5	0.3	0.1	41	0.33
881944	Soil	0.50	3.1	17.0	10.3	113	0.1	11.2	7.5	380	2.12	4.2	1.3	<0.5	1.6	35	0.4	0.3	0.2	43	0.27
881945	Soil	0.70	11.2	26.4	6.9	65	0.2	12.0	6.9	532	1.78	3.5	3.2	0.6	1.4	44	0.3	0.2	0.1	40	0.33
881946	Soil	0.60	6.0	21.3	5.9	68	<0.1	13.9	6.2	359	2.03	4.8	2.4	3.0	1.6	35	0.3	0.4	<0.1	41	0.24
881947	Soil	0.60	5.7	33.4	8.4	74	<0.1	13.8	6.2	410	2.09	5.7	2.6	<0.5	2.0	37	0.2	0.5	0.1	49	0.23
881948	Soil	0.60	5.0	47.6	10.7	112	0.2	15.5	8.1	652	2.14	5.5	5.5	<0.5	1.2	70	1.7	0.4	0.1	47	0.47
881949	Soil	0.50	5.6	29.5	9.5	68	<0.1	13.7	7.8	605	2.30	6.0	1.4	0.5	1.6	32	1.2	0.4	0.1	48	0.24
881950	Soil	0.40	1.3	51.8	6.7	116	0.1	18.8	32.8	910	2.47	6.6	2.8	<0.5	1.1	46	0.6	0.5	<0.1	46	0.35
881951	Soil	0.50	9.4	54.8	9.7	141	0.2	17.1	16.4	894	3.32	6.0	1.3	<0.5	1.0	97	1.3	0.7	1.0	61	0.34
881952	Soil	0.40	3.0	27.9	9.8	135	0.2	15.6	11.0	651	2.40	4.6	0.8	1.0	1.2	34	0.6	0.3	0.2	48	0.21
881953	Soil	0.60	2.4	51.2	5.7	62	<0.1	16.5	6.8	393	2.07	4.4	1.6	2.6	1.1	38	0.3	0.3	<0.1	41	0.31
881954	Soil	0.50	1.4	17.6	7.1	180	0.2	15.4	9.0	1165	2.26	4.4	0.4	<0.5	0.9	61	1.1	0.4	0.1	42	0.76
881955	Soil	0.50	14.6	89.7	8.9	97	0.2	19.7	9.3	1302	3.03	9.3	9.3	0.6	2.7	55	0.5	0.5	0.2	51	0.51
881956	Soil	0.50	22.8	160.4	8.6	89	0.2	21.9	9.4	675	3.11	7.8	10.9	1.8	1.9	83	0.4	0.5	0.2	59	0.66
881957	Soil	0.60	5.5	80.9	11.4	74	0.2	22.8	10.7	734	2.73	8.0	10.8	<0.5	2.1	68	0.6	0.6	0.4	51	0.54
881958	Soil	0.50	1.6	20.0	8.2	79	0.2	15.2	8.6	564	2.39	5.8	0.7	<0.5	1.0	41	0.4	0.5	0.1	46	0.34
881959	Soil	0.50	1.6	29.4	7.4	63	0.1	17.6	8.5	541	2.26	7.1	1.8	<0.5	1.3	38	0.2	0.6	0.2	43	0.31

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Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method Analyte Unit MDL	1DX15 P % 0.001	1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	
881930	Soil	0.077	10	19	0.35	135	0.049	<1	1.17	0.009	0.13	0.2	0.03	3.2	<0.1	<0.05	4	<0.5
881931	Soil	0.063	10	17	0.31	114	0.048	1	1.10	0.008	0.10	0.3	0.02	2.7	<0.1	<0.05	4	<0.5
881932	Soil	0.188	10	19	0.26	216	0.035	<1	1.36	0.010	0.11	0.2	0.02	3.0	<0.1	<0.05	5	<0.5
881933	Soil	0.111	7	25	0.40	168	0.043	2	1.97	0.011	0.09	0.5	0.03	2.6	0.1	<0.05	7	<0.5
881934	Soil	0.305	7	22	0.33	222	0.036	2	1.56	0.010	0.08	0.4	0.05	2.9	0.1	<0.05	5	<0.5
881935	Soil	0.170	5	14	0.18	180	0.024	1	0.88	0.009	0.08	0.2	0.03	1.8	<0.1	<0.05	4	<0.5
881936	Soil	0.076	17	20	0.39	225	0.023	2	1.30	0.013	0.06	0.2	0.05	3.9	<0.1	<0.05	4	0.5
881937	Soil	0.093	7	16	0.28	172	0.043	<1	1.11	0.012	0.05	0.2	0.02	2.6	<0.1	<0.05	4	<0.5
881938	Soil	0.067	6	16	0.23	220	0.040	2	0.96	0.010	0.07	0.1	0.02	2.0	<0.1	<0.05	4	<0.5
881939	Soil	0.050	12	20	0.34	251	0.017	2	1.29	0.011	0.09	0.2	0.04	2.8	<0.1	<0.05	5	<0.5
881940	Soil	0.239	7	16	0.26	370	0.037	2	1.01	0.009	0.07	0.3	0.02	2.5	<0.1	<0.05	4	<0.5
881941	Soil	0.072	9	17	0.32	256	0.036	1	1.16	0.014	0.07	0.2	0.03	2.3	<0.1	<0.05	5	<0.5
881942	Soil	0.076	12	18	0.29	197	0.043	2	1.10	0.009	0.08	0.3	0.02	2.1	<0.1	<0.05	4	<0.5
881943	Soil	0.083	9	15	0.25	185	0.040	2	0.92	0.012	0.09	0.1	0.03	1.8	<0.1	<0.05	3	<0.5
881944	Soil	0.104	9	16	0.27	193	0.035	2	1.13	0.012	0.06	0.2	0.02	2.2	<0.1	<0.05	5	<0.5
881945	Soil	0.048	9	17	0.35	161	0.035	<1	1.12	0.012	0.06	0.2	0.03	2.4	<0.1	<0.05	4	<0.5
881946	Soil	0.029	8	15	0.34	131	0.054	1	0.92	0.009	0.06	0.1	0.03	2.6	<0.1	<0.05	4	<0.5
881947	Soil	0.036	10	18	0.39	153	0.062	2	1.10	0.012	0.07	0.3	0.02	2.9	0.1	<0.05	4	<0.5
881948	Soil	0.055	11	17	0.27	213	0.038	2	0.97	0.013	0.08	0.2	0.04	2.5	<0.1	<0.05	4	<0.5
881949	Soil	0.057	8	16	0.33	142	0.049	<1	1.02	0.012	0.07	0.2	0.03	2.3	<0.1	<0.05	4	<0.5
881950	Soil	0.126	9	20	0.33	185	0.041	2	1.33	0.010	0.10	0.1	0.03	3.0	<0.1	<0.05	4	<0.5
881951	Soil	0.196	9	28	0.41	255	0.053	2	1.51	0.010	0.13	0.3	0.03	2.1	0.2	<0.05	5	0.7
881952	Soil	0.114	9	19	0.25	192	0.045	1	1.35	0.009	0.09	0.3	0.02	2.4	<0.1	<0.05	5	<0.5
881953	Soil	0.056	11	18	0.33	142	0.043	1	1.10	0.019	0.07	<0.1	0.03	3.0	<0.1	<0.05	3	<0.5
881954	Soil	0.227	8	17	0.26	331	0.035	4	1.05	0.010	0.11	0.2	0.03	2.3	<0.1	<0.05	3	<0.5
881955	Soil	0.063	15	21	0.40	164	0.026	2	1.44	0.011	0.08	0.1	0.04	4.6	<0.1	<0.05	4	<0.5
881956	Soil	0.083	17	24	0.42	243	0.022	2	1.67	0.016	0.09	0.2	0.06	4.7	0.1	<0.05	5	<0.5
881957	Soil	0.069	17	21	0.40	207	0.039	1	1.43	0.013	0.10	0.2	0.03	4.5	0.1	<0.05	4	0.7
881958	Soil	0.107	7	18	0.30	199	0.036	1	1.06	0.011	0.08	0.1	0.03	2.6	<0.1	<0.05	4	<0.5
881959	Soil	0.060	11	19	0.36	150	0.041	1	1.18	0.018	0.06	0.2	0.04	3.7	<0.1	<0.05	3	<0.5

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 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
881960	Soil	0.40	2.0	67.2	13.8	154	0.3	41.1	16.6	960	3.91	17.2	1.9	1.6	2.8	35	0.5	0.5	0.6	93	0.12
881961	Soil	0.30	6.6	213.0	14.1	109	0.7	45.3	20.0	1307	3.55	9.5	6.9	3.9	3.6	72	0.5	0.7	3.5	61	0.76
881962	Soil	0.50	3.1	33.9	9.9	73	0.1	15.7	7.9	621	2.21	6.7	2.2	<0.5	0.9	45	0.9	0.4	0.1	45	0.41
881963	Soil	0.50	3.2	57.9	16.9	109	0.2	23.6	11.3	700	2.74	7.9	2.5	1.2	1.6	50	0.3	0.5	1.7	56	0.48
881964	Soil	0.50	1.6	25.9	6.3	80	<0.1	20.7	8.1	219	2.46	6.4	0.9	1.1	1.2	30	0.3	0.3	0.2	57	0.32
881965	Soil	0.40	1.6	20.8	8.2	95	<0.1	25.7	10.9	264	2.91	7.6	0.5	<0.5	1.2	19	0.3	0.4	0.2	70	0.13
881966	Soil	0.30	4.6	118.1	387.1	243	1.4	34.2	17.1	1123	3.50	8.8	3.8	2.2	2.9	65	1.3	1.0	0.3	59	0.65
881967	Soil	0.60	2.2	14.2	7.2	84	<0.1	12.8	7.2	372	2.26	5.4	0.5	1.5	1.6	26	0.4	0.4	<0.1	48	0.24
881968	Soil	0.40	3.5	22.8	9.9	40	<0.1	11.6	6.2	122	2.24	5.5	0.5	1.6	1.7	20	0.1	0.4	0.2	55	0.12
881969	Soil	0.30	6.4	115.2	17.7	274	0.4	73.4	78.7	955	5.83	28.9	1.3	4.1	2.1	42	0.4	0.7	4.5	113	0.46
881970	Soil	0.50	1.3	9.6	6.5	80	<0.1	10.7	4.9	252	2.07	4.9	0.4	<0.5	1.0	27	0.3	0.4	<0.1	41	0.17
881971	Soil	0.70	6.5	51.1	10.7	56	<0.1	14.8	7.3	555	2.45	7.5	3.2	1.2	3.2	54	0.2	0.6	0.1	49	0.38
881972	Soil	0.30	8.3	27.1	13.5	186	0.2	15.8	10.8	1112	2.89	5.3	1.0	0.8	1.8	61	1.3	0.5	0.2	55	0.50
881973	Soil	0.40	6.3	131.9	10.5	68	<0.1	19.0	7.7	274	3.02	9.6	1.8	5.4	3.4	23	0.1	0.7	0.1	55	0.17
881974	Soil	0.40	6.0	27.2	7.7	62	<0.1	18.0	7.1	300	2.63	7.5	1.1	1.6	1.9	48	<0.1	0.6	0.1	51	0.32
881975	Soil	0.10	54.4	74.7	7.1	73	0.4	21.7	5.6	1181	1.90	5.5	24.9	1.3	1.0	269	1.2	0.6	0.1	25	1.33
881976	Soil	0.20	30.1	60.8	10.5	119	0.4	30.3	9.6	869	3.43	9.6	7.4	0.6	1.9	156	1.4	0.5	0.2	52	0.97
881977	Soil	0.40	4.7	20.9	9.4	97	0.2	17.6	9.5	888	2.42	6.1	1.9	1.5	0.9	73	0.7	0.5	0.1	44	0.54
881978	Soil	0.40	9.7	17.6	7.9	86	0.1	15.5	6.9	415	2.34	5.8	13.1	1.6	1.6	73	0.3	0.5	0.1	42	0.46
881979	Soil	0.50	2.5	14.6	5.8	63	<0.1	13.1	5.2	237	2.12	5.8	0.6	1.2	1.3	40	0.2	0.4	<0.1	43	0.28
881980	Soil	0.40	2.0	26.3	5.9	58	<0.1	14.8	6.1	304	2.26	5.7	1.1	<0.5	1.4	33	<0.1	0.5	0.1	46	0.22
881981	Soil	0.30	3.1	19.1	9.2	123	0.3	14.9	8.5	561	2.47	5.4	0.6	1.2	1.8	43	0.3	0.4	0.2	46	0.31
881982	Soil	0.30	6.3	45.5	15.8	144	0.3	31.3	17.8	1164	5.03	12.9	2.1	3.4	2.9	77	0.3	1.0	0.3	95	0.67
881983	Soil	0.30	3.7	33.5	9.0	63	<0.1	13.4	7.1	395	2.23	5.1	1.3	3.9	1.8	30	0.1	0.4	0.1	48	0.20
881984	Soil	0.40	1.7	27.6	9.1	70	0.1	16.1	7.1	286	2.94	8.5	0.6	8.3	1.9	33	<0.1	0.6	0.2	55	0.22
881985	Soil	0.40	1.6	16.3	7.9	113	0.2	16.0	8.6	537	2.45	6.5	0.6	0.7	1.8	34	0.3	0.5	0.1	44	0.28
881986	Soil	0.30	2.1	16.9	9.5	114	0.2	13.6	8.1	813	2.41	4.8	0.6	<0.5	1.8	37	0.5	0.5	0.2	45	0.25
881987	Soil	0.30	3.0	115.8	13.6	81	0.4	25.9	9.2	943	2.66	7.1	4.4	1.5	2.9	60	0.6	0.5	0.2	45	0.49
881988	Soil	0.30	1.8	46.1	11.0	54	<0.1	16.3	8.5	413	2.45	7.5	4.9	<0.5	3.1	44	0.1	0.5	0.1	50	0.25
881989	Soil	0.30	2.0	27.7	10.6	116	0.3	13.1	7.8	364	2.60	7.3	1.4	0.6	1.6	33	0.5	0.5	0.1	53	0.24

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 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

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Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	
881960	Soil	0.058	14	43	0.82	355	0.088	2	3.44	0.012	0.36	0.2	0.05	8.6	0.5	<0.05	9	0.6
881961	Soil	0.081	38	35	0.54	272	0.009	<1	3.96	0.019	0.11	0.2	0.09	8.3	0.6	<0.05	9	1.8
881962	Soil	0.093	12	16	0.35	162	0.036	1	1.09	0.014	0.08	0.2	0.07	2.7	<0.1	<0.05	4	<0.5
881963	Soil	0.057	15	24	0.44	178	0.025	<1	1.99	0.013	0.07	0.2	0.03	3.8	0.2	<0.05	5	1.0
881964	Soil	0.046	8	26	0.47	101	0.047	2	1.68	0.015	0.05	0.2	0.02	2.7	0.1	<0.05	5	<0.5
881965	Soil	0.051	8	53	0.70	124	0.064	<1	2.10	0.011	0.05	0.1	0.03	3.9	0.1	<0.05	6	0.7
881966	Soil	0.075	23	30	0.45	322	0.006	<1	3.74	0.017	0.08	0.1	0.08	6.0	0.2	<0.05	8	1.2
881967	Soil	0.071	7	17	0.32	142	0.056	<1	1.05	0.008	0.06	0.1	0.02	2.7	<0.1	<0.05	4	<0.5
881968	Soil	0.039	6	16	0.15	122	0.026	1	1.26	0.010	0.03	0.2	0.06	1.9	<0.1	<0.05	5	<0.5
881969	Soil	0.082	9	69	0.76	153	0.117	1	4.48	0.022	0.11	0.4	0.06	4.4	0.5	<0.05	19	0.9
881970	Soil	0.068	6	14	0.25	154	0.034	2	1.06	0.010	0.06	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5
881971	Soil	0.072	15	18	0.40	183	0.059	2	1.16	0.030	0.09	0.2	0.04	3.5	<0.1	<0.05	4	<0.5
881972	Soil	0.261	10	22	0.52	361	0.034	3	1.52	0.013	0.21	<0.1	0.04	3.1	<0.1	<0.05	6	<0.5
881973	Soil	0.089	10	20	0.41	135	0.039	4	1.94	0.009	0.07	<0.1	0.03	3.3	0.3	<0.05	6	<0.5
881974	Soil	0.072	9	21	0.43	164	0.063	2	1.24	0.014	0.09	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5
881975	Soil	0.092	28	13	0.29	320	0.004	13	1.37	0.024	0.07	0.1	0.13	2.9	0.1	0.09	4	0.5
881976	Soil	0.107	16	22	0.51	346	0.004	2	2.33	0.014	0.16	<0.1	0.05	5.7	0.1	<0.05	7	<0.5
881977	Soil	0.071	9	17	0.31	230	0.030	3	1.29	0.011	0.09	<0.1	0.05	2.9	<0.1	<0.05	5	<0.5
881978	Soil	0.046	9	17	0.33	199	0.040	3	1.28	0.014	0.08	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5
881979	Soil	0.049	6	14	0.30	140	0.044	1	0.95	0.010	0.06	0.1	0.03	2.1	<0.1	<0.05	4	<0.5
881980	Soil	0.036	10	17	0.36	199	0.042	<1	1.24	0.011	0.05	<0.1	0.03	2.5	<0.1	<0.05	5	<0.5
881981	Soil	0.165	8	18	0.28	219	0.027	2	1.61	0.011	0.07	0.1	0.03	2.6	<0.1	<0.05	6	<0.5
881982	Soil	0.109	17	34	0.65	537	0.053	3	3.09	0.020	0.15	0.2	0.08	5.4	0.2	<0.05	10	<0.5
881983	Soil	0.034	11	17	0.37	272	0.046	1	1.42	0.010	0.04	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5
881984	Soil	0.125	7	20	0.37	173	0.027	<1	1.82	0.009	0.06	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5
881985	Soil	0.187	9	17	0.34	228	0.039	3	1.34	0.009	0.07	0.2	0.04	2.8	<0.1	<0.05	4	<0.5
881986	Soil	0.139	8	17	0.27	347	0.038	1	1.20	0.011	0.08	0.1	0.04	2.6	<0.1	<0.05	5	<0.5
881987	Soil	0.059	47	20	0.41	336	0.023	1	1.51	0.011	0.11	<0.1	0.07	5.5	<0.1	<0.05	5	0.5
881988	Soil	0.083	19	18	0.31	170	0.031	2	1.83	0.017	0.07	0.1	0.03	4.2	0.1	<0.05	6	<0.5
881989	Soil	0.108	9	19	0.31	164	0.038	3	1.46	0.011	0.09	0.1	0.02	2.6	<0.1	<0.05	6	<0.5

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Project: Megamine
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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
881990	Soil	0.20	5.1	156.5	13.7	127	0.5	32.6	13.4	1064	3.69	9.1	21.5	0.7	4.1	69	0.5	0.6	0.2	54	0.37
881991	Soil	0.30	1.6	14.3	11.9	95	<0.1	11.0	8.8	291	2.55	5.6	0.7	1.7	2.7	31	0.2	0.4	0.2	52	0.19
881992	Soil	0.30	1.9	26.9	9.6	57	<0.1	12.9	19.8	421	2.42	5.4	0.9	<0.5	2.0	22	<0.1	0.4	0.4	52	0.12
881993	Soil	0.30	1.5	57.9	9.1	64	0.1	18.8	8.4	220	2.63	7.8	0.8	0.7	1.9	25	0.1	0.5	0.2	48	0.16
881994	Soil	0.30	1.9	60.1	10.5	123	0.1	22.6	12.1	670	3.01	6.7	0.7	1.1	2.2	23	0.1	0.4	0.4	60	0.17
881996	Soil	0.20	2.9	21.2	9.3	90	<0.1	13.9	6.1	318	2.47	7.1	0.9	2.3	0.5	40	0.7	0.5	0.2	49	0.26
881997	Soil	0.30	1.4	24.3	8.9	122	0.2	17.0	8.1	985	2.38	5.7	1.1	1.1	1.0	40	1.0	0.5	0.1	45	0.30
881998	Soil	0.30	1.5	25.2	9.0	57	<0.1	15.2	7.4	401	2.49	7.2	1.1	1.2	1.8	41	0.1	0.5	0.1	51	0.27
881999	Soil	0.30	2.1	25.4	7.0	52	<0.1	13.7	6.3	337	2.35	6.3	1.3	1.5	1.8	35	<0.1	0.6	0.1	49	0.25
882000	Soil	0.30	1.8	28.6	7.6	64	<0.1	14.9	6.4	360	2.36	5.4	1.4	1.0	1.8	32	<0.1	0.4	0.1	49	0.22
882001	Soil	0.20	5.8	43.1	12.6	51	0.1	10.3	5.5	149	2.53	6.8	1.2	1.5	2.8	17	<0.1	0.5	0.3	56	0.08
882002	Soil	0.30	1.4	23.1	9.8	65	<0.1	13.7	8.7	687	2.49	5.9	0.9	1.6	1.5	36	0.1	0.4	0.1	52	0.17
882003	Soil	0.30	2.5	29.4	9.2	49	<0.1	11.0	4.8	279	1.93	4.9	2.4	1.5	2.4	40	<0.1	0.3	0.2	43	0.22
882004	Soil	0.30	1.8	16.3	9.6	77	<0.1	12.7	7.6	269	2.62	6.1	0.6	1.4	2.6	16	0.2	0.2	0.2	45	0.11
882005	Soil	0.30	2.6	71.0	10.6	93	0.4	18.5	8.9	676	2.72	5.6	4.9	1.0	1.9	33	0.7	0.4	0.2	52	0.19
882006	Soil	0.30	3.6	79.4	6.1	73	0.1	16.7	6.7	309	2.30	4.8	4.7	1.0	1.8	38	0.2	0.5	0.2	49	0.21
882007	Soil	0.30	18.2	89.2	16.6	106	0.1	15.8	29.4	716	2.65	3.2	2.8	5.2	3.3	55	0.6	0.4	1.9	51	0.35
882008	Soil	0.30	8.2	202.8	10.5	87	0.2	42.7	30.1	302	3.10	3.7	8.0	1.6	4.3	49	0.1	0.4	0.6	54	0.34
882009	Soil	0.40	8.4	147.1	8.5	44	0.1	27.0	5.2	175	2.15	3.5	10.9	1.8	3.1	38	<0.1	0.3	0.2	44	0.33
882010	Soil	0.30	5.0	98.9	11.7	79	0.1	13.3	10.1	155	3.10	5.5	7.6	8.2	5.9	15	<0.1	0.4	0.4	70	0.07
882011	Soil	0.40	6.3	107.5	13.5	116	0.2	20.9	12.2	248	3.85	7.7	2.5	2.7	5.8	19	0.2	0.5	0.3	70	0.12
882012	Soil	0.20	4.1	158.5	5.3	130	0.2	45.7	29.2	655	5.53	1.7	5.7	2.2	6.4	56	0.2	0.1	0.3	182	0.47
882013	Soil	0.30	4.8	118.5	11.1	66	0.1	14.8	7.4	199	2.90	5.0	2.2	1.6	3.8	21	0.1	0.4	0.4	60	0.12
882014	Soil	0.30	7.7	77.2	7.0	70	0.2	29.0	7.3	348	5.17	1.3	2.1	1.3	3.3	21	0.1	0.1	1.5	125	0.26
882015	Soil	0.30	5.7	32.1	12.3	75	<0.1	14.1	7.1	184	3.97	8.9	2.6	1.6	3.2	15	<0.1	0.5	0.3	79	0.07
882016	Soil	0.30	7.1	119.1	9.7	110	<0.1	15.2	8.4	198	2.45	4.2	2.3	4.5	2.2	26	0.3	0.4	0.2	52	0.13
882017	Soil	0.30	3.8	67.1	7.6	77	<0.1	18.3	8.8	293	2.79	7.1	1.4	1.4	1.8	36	<0.1	0.5	0.2	55	0.20
882018	Soil	0.40	8.9	62.0	23.8	111	0.3	10.1	6.9	344	3.37	1.8	2.8	2.3	19.2	23	0.1	0.2	0.5	71	0.18
882019	Soil	0.40	11.5	147.1	26.0	77	0.4	16.9	7.4	251	4.02	5.2	3.1	1.6	19.5	32	<0.1	0.4	1.4	68	0.21
882020	Soil	0.30	9.7	59.1	14.8	67	0.1	13.2	9.6	231	3.44	4.4	1.8	1.3	8.9	24	<0.1	0.3	0.4	74	0.15

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	
881990	Soil	0.068	27	24	0.41	324	0.005	<1	2.36	0.010	0.11	<0.1	0.03	5.7	0.2	<0.05	7	0.5
881991	Soil	0.159	8	17	0.24	144	0.044	3	1.39	0.011	0.07	0.3	0.02	2.3	<0.1	<0.05	6	<0.5
881992	Soil	0.080	9	18	0.24	134	0.038	1	1.43	0.009	0.07	0.3	0.02	2.6	0.2	<0.05	6	<0.5
881993	Soil	0.055	6	18	0.36	128	0.031	2	1.77	0.007	0.06	0.2	0.04	2.7	0.2	<0.05	5	<0.5
881994	Soil	0.089	8	25	0.37	163	0.053	2	1.94	0.008	0.08	0.3	0.03	2.8	0.2	<0.05	7	<0.5
881996	Soil	0.073	8	17	0.27	202	0.033	2	1.22	0.010	0.08	<0.1	0.03	2.3	<0.1	<0.05	5	<0.5
881997	Soil	0.123	10	17	0.31	236	0.040	2	1.28	0.010	0.10	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5
881998	Soil	0.054	12	17	0.35	181	0.048	2	1.18	0.010	0.07	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5
881999	Soil	0.049	10	17	0.34	162	0.047	1	1.11	0.009	0.06	<0.1	0.04	2.7	<0.1	<0.05	4	<0.5
882000	Soil	0.061	9	18	0.34	150	0.045	2	1.33	0.009	0.06	<0.1	0.04	2.7	<0.1	<0.05	5	<0.5
882001	Soil	0.068	7	17	0.20	91	0.032	2	1.34	0.014	0.07	<0.1	0.03	2.2	0.1	<0.05	7	<0.5
882002	Soil	0.094	8	18	0.26	238	0.035	2	1.46	0.009	0.06	<0.1	0.04	2.5	<0.1	<0.05	5	<0.5
882003	Soil	0.030	10	15	0.31	141	0.046	1	1.13	0.010	0.07	0.1	0.02	2.4	<0.1	<0.05	5	<0.5
882004	Soil	0.091	7	16	0.27	142	0.008	<1	1.29	0.008	0.04	0.1	0.02	2.2	<0.1	<0.05	5	<0.5
882005	Soil	0.099	13	19	0.29	201	0.025	2	1.53	0.011	0.07	<0.1	0.04	3.1	<0.1	<0.05	6	<0.5
882006	Soil	0.033	11	18	0.33	145	0.039	<1	1.04	0.009	0.04	0.1	0.02	2.5	<0.1	<0.05	4	<0.5
882007	Soil	0.082	9	16	0.34	180	0.046	<1	1.23	0.010	0.10	0.2	0.03	1.8	0.1	0.05	5	<0.5
882008	Soil	0.054	17	20	0.40	170	0.032	<1	1.90	0.011	0.06	0.2	0.02	3.2	0.2	<0.05	5	<0.5
882009	Soil	0.029	34	17	0.35	136	0.041	<1	1.16	0.011	0.03	<0.1	0.03	3.2	0.1	<0.05	4	<0.5
882010	Soil	0.107	19	22	0.19	111	0.037	<1	2.01	0.008	0.04	0.2	0.06	2.3	0.1	<0.05	7	<0.5
882011	Soil	0.108	9	23	0.37	144	0.026	<1	2.33	0.009	0.05	0.2	0.07	2.7	0.1	<0.05	8	<0.5
882012	Soil	0.132	19	61	1.57	122	0.182	<1	2.36	0.040	0.03	<0.1	0.03	3.2	<0.1	<0.05	9	<0.5
882013	Soil	0.073	10	22	0.28	134	0.020	<1	2.30	0.009	0.05	0.2	0.04	2.5	0.1	<0.05	7	<0.5
882014	Soil	0.187	9	68	1.32	193	0.212	<1	2.00	0.013	0.22	0.4	0.02	4.7	0.5	<0.05	13	<0.5
882015	Soil	0.138	8	24	0.23	88	0.024	<1	1.85	0.008	0.03	0.2	0.04	2.0	<0.1	<0.05	9	<0.5
882016	Soil	0.058	9	19	0.29	133	0.024	<1	1.81	0.008	0.04	0.2	0.02	2.3	0.1	<0.05	6	<0.5
882017	Soil	0.058	8	20	0.37	160	0.032	<1	1.64	0.009	0.04	0.2	0.03	2.5	<0.1	<0.05	5	<0.5
882018	Soil	0.158	12	14	0.42	163	0.130	<1	1.32	0.007	0.09	0.2	0.03	2.5	0.1	<0.05	10	<0.5
882019	Soil	0.150	12	18	0.59	249	0.062	<1	2.45	0.010	0.14	0.3	0.04	3.4	0.2	0.11	9	<0.5
882020	Soil	0.122	10	22	0.28	144	0.057	<1	2.11	0.008	0.06	0.2	0.04	2.5	0.1	<0.05	9	<0.5

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Client: **Amarc Resources**
 1020 - 800 W. Pender St.
 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
882021	Soil	0.40	4.8	112.3	9.8	81	0.1	21.9	11.1	228	3.21	6.7	7.6	7.2	4.5	20	0.1	0.4	0.2	64	0.11
882022	Soil	0.30	2.1	13.0	8.5	95	<0.1	13.8	12.5	653	2.69	2.0	0.5	<0.5	2.0	22	0.2	0.2	0.2	65	0.18
882023	Soil	0.30	2.0	14.3	8.5	54	0.1	15.5	10.1	610	2.26	4.2	0.5	0.7	1.3	41	0.2	0.4	0.1	50	0.30
882024	Soil	0.40	5.8	169.0	9.0	72	0.2	25.4	11.6	547	3.02	4.6	13.0	3.6	3.9	51	<0.1	0.5	0.3	69	0.36
882025	Soil	0.40	26.0	136.2	8.6	93	0.2	20.4	9.3	669	2.80	7.0	28.5	2.1	0.8	130	0.4	0.5	0.2	53	0.77
882026	Soil	0.40	14.9	183.8	9.2	68	0.4	32.6	10.5	734	2.79	5.7	26.8	1.3	1.4	71	0.3	0.4	0.3	51	0.42
882027	Soil	0.50	3.3	35.1	7.1	69	<0.1	20.0	8.3	549	2.42	5.2	1.4	0.7	1.5	37	0.2	0.5	0.1	50	0.27
882028	Soil	0.40	3.2	29.7	9.2	71	0.1	17.4	10.4	362	2.81	6.5	0.9	1.0	2.2	26	<0.1	0.5	0.1	58	0.21
882029	Soil	0.50	3.5	19.4	6.5	93	0.2	18.9	9.2	748	2.24	3.3	0.6	2.9	1.2	27	0.1	0.3	0.1	47	0.21
882030	Soil	0.40	6.9	43.5	7.7	74	<0.1	14.3	6.6	273	2.25	4.4	3.5	1.3	1.4	60	0.2	0.3	0.1	52	0.33
882031	Soil	0.40	6.5	65.0	8.0	57	<0.1	13.9	11.4	326	2.53	5.1	1.2	0.6	1.4	20	<0.1	0.5	0.2	54	0.12
882032	Soil	0.40	3.2	18.7	7.8	73	0.2	21.5	9.6	213	2.77	6.2	0.4	0.8	1.4	28	0.1	0.4	0.1	54	0.17
882033	Soil	0.50	6.2	79.5	9.3	73	0.1	14.1	7.6	184	3.00	5.5	1.1	0.9	1.9	18	<0.1	0.4	0.2	67	0.11
882034	Soil	0.40	13.3	221.2	12.4	79	0.2	20.8	10.3	240	3.49	7.8	3.1	2.5	8.1	17	<0.1	0.5	0.5	68	0.11
882035	Soil	0.40	9.8	144.2	10.0	111	<0.1	32.4	14.3	367	3.52	8.1	1.7	2.2	5.2	18	<0.1	0.5	0.5	64	0.14
882050	Soil	0.30	6.7	129.3	9.1	71	0.2	24.6	9.7	655	2.86	5.8	17.2	1.9	2.4	66	0.4	0.5	0.2	57	0.46
882051	Soil	0.50	3.8	49.9	7.8	69	0.2	18.2	7.6	371	2.41	5.3	5.3	1.4	1.9	54	0.3	0.4	0.1	53	0.46
882052	Soil	0.40	8.7	70.3	9.4	87	0.2	18.5	10.9	800	2.76	5.8	3.8	3.6	1.6	37	0.4	0.5	0.1	58	0.33
882053	Soil	0.30	18.6	199.6	8.7	62	0.3	14.7	7.2	312	2.43	5.6	5.9	0.9	1.0	31	0.3	0.4	0.2	56	0.20
882054	Soil	0.30	6.0	102.6	6.6	70	0.1	16.8	7.2	383	2.39	4.8	1.9	1.3	1.3	37	0.2	0.4	0.2	51	0.30
882055	Soil	0.30	1.4	14.5	5.9	106	0.2	16.3	7.1	418	2.26	4.2	0.5	<0.5	1.0	30	0.3	0.4	<0.1	44	0.27
882056	Soil	0.40	3.1	25.5	8.2	78	0.3	18.3	7.6	305	2.56	6.3	0.6	6.9	2.0	29	<0.1	0.4	0.2	50	0.22
882057	Soil	0.30	2.1	23.1	9.9	62	0.2	11.3	6.1	270	2.49	4.9	0.6	1.9	1.7	30	0.1	0.4	0.2	52	0.21
882058	Soil	0.30	2.9	16.6	9.2	91	0.1	12.4	8.0	779	2.60	6.0	0.6	2.6	1.8	30	0.2	0.4	0.1	53	0.27
882059	Soil	0.40	2.2	54.1	8.0	55	<0.1	12.2	7.3	476	2.26	5.1	0.6	1.1	1.7	26	0.1	0.4	0.1	48	0.21
882060	Soil	0.40	4.0	33.2	9.0	59	<0.1	14.1	9.8	290	2.75	6.5	0.6	4.9	1.7	19	<0.1	0.5	0.1	58	0.11
882061	Soil	0.40	1.6	11.9	6.5	82	0.2	11.9	6.6	344	1.99	2.5	0.4	0.9	1.3	35	0.2	0.3	<0.1	41	0.26
882062	Soil	0.40	4.3	44.6	7.7	75	0.2	14.5	8.4	544	2.58	7.7	2.3	0.7	0.4	39	0.3	0.5	<0.1	51	0.27
882063	Soil	0.40	1.2	13.3	6.4	79	0.1	16.3	6.8	241	2.78	7.4	0.5	1.4	0.8	42	0.1	0.6	<0.1	55	0.30
882064	Soil	0.40	4.0	21.1	8.0	49	0.4	12.4	8.1	168	2.56	6.0	0.6	1.4	1.3	16	<0.1	0.4	0.1	52	0.06

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Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.5	
882021	Soil	0.064	12	23	0.33	109	0.037	<1	2.41	0.009	0.05	0.2	0.06	3.2	<0.1	<0.05	7	<0.5
882022	Soil	0.161	6	24	0.20	159	0.049	<1	1.24	0.014	0.05	0.3	0.03	1.6	<0.1	<0.05	6	<0.5
882023	Soil	0.044	6	17	0.24	175	0.032	<1	1.10	0.008	0.06	0.1	0.02	1.9	<0.1	<0.05	5	<0.5
882024	Soil	0.044	28	22	0.45	154	0.038	<1	1.44	0.014	0.06	<0.1	0.04	4.1	<0.1	<0.05	5	<0.5
882025	Soil	0.080	19	21	0.38	192	0.019	2	1.65	0.012	0.09	<0.1	0.05	3.7	<0.1	<0.05	5	<0.5
882026	Soil	0.051	35	21	0.36	212	0.020	2	1.49	0.012	0.09	<0.1	0.03	4.1	0.1	<0.05	5	<0.5
882027	Soil	0.060	8	19	0.31	133	0.046	<1	1.11	0.008	0.10	0.1	0.03	2.3	<0.1	<0.05	4	<0.5
882028	Soil	0.084	9	22	0.33	144	0.042	2	1.60	0.009	0.08	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5
882029	Soil	0.056	6	19	0.27	163	0.037	<1	1.46	0.008	0.07	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5
882030	Soil	0.037	10	19	0.31	172	0.026	<1	1.37	0.012	0.04	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5
882031	Soil	0.046	9	18	0.27	197	0.029	<1	1.27	0.007	0.04	0.1	0.02	2.0	<0.1	<0.05	5	<0.5
882032	Soil	0.087	6	20	0.27	164	0.028	<1	1.88	0.007	0.06	<0.1	0.04	2.3	<0.1	<0.05	6	<0.5
882033	Soil	0.103	7	22	0.22	126	0.031	<1	1.85	0.008	0.05	0.2	0.05	2.2	<0.1	<0.05	7	<0.5
882034	Soil	0.160	10	25	0.38	112	0.030	1	2.93	0.009	0.05	0.1	0.06	3.5	0.1	<0.05	8	<0.5
882035	Soil	0.093	7	25	0.53	143	0.033	1	2.95	0.012	0.06	<0.1	0.06	3.3	0.1	<0.05	7	<0.5
882050	Soil	0.058	27	21	0.37	162	0.030	<1	1.36	0.010	0.07	0.1	0.03	4.3	<0.1	<0.05	5	<0.5
882051	Soil	0.068	13	20	0.41	158	0.048	<1	1.19	0.011	0.06	0.1	0.03	3.8	<0.1	<0.05	4	<0.5
882052	Soil	0.070	13	22	0.32	211	0.041	1	1.25	0.010	0.07	0.2	0.02	3.1	<0.1	<0.05	5	<0.5
882053	Soil	0.036	15	20	0.25	178	0.032	<1	1.07	0.008	0.06	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5
882054	Soil	0.048	10	19	0.31	197	0.027	<1	1.25	0.009	0.06	0.1	0.03	2.7	<0.1	<0.05	5	<0.5
882055	Soil	0.097	8	17	0.29	195	0.035	1	1.12	0.009	0.05	0.2	0.03	2.3	<0.1	<0.05	5	<0.5
882056	Soil	0.090	7	17	0.35	154	0.038	<1	1.32	0.010	0.08	0.2	0.02	2.5	<0.1	<0.05	5	<0.5
882057	Soil	0.088	6	17	0.25	168	0.017	<1	1.32	0.010	0.05	0.2	0.03	2.2	<0.1	<0.05	6	<0.5
882058	Soil	0.111	7	18	0.27	240	0.026	2	1.48	0.011	0.07	0.1	0.02	2.6	<0.1	<0.05	5	<0.5
882059	Soil	0.058	9	17	0.29	222	0.022	<1	1.24	0.009	0.04	0.2	0.01	2.3	<0.1	<0.05	5	<0.5
882060	Soil	0.046	7	19	0.32	160	0.025	<1	1.67	0.009	0.04	0.2	0.02	2.6	0.1	<0.05	5	<0.5
882061	Soil	0.102	7	15	0.24	214	0.032	1	1.04	0.010	0.07	0.1	0.02	2.0	<0.1	<0.05	4	<0.5
882062	Soil	0.101	7	19	0.32	171	0.022	2	1.37	0.011	0.06	0.1	0.03	1.9	<0.1	<0.05	4	<0.5
882063	Soil	0.142	6	19	0.32	169	0.029	1	1.47	0.011	0.05	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5
882064	Soil	0.064	9	18	0.23	161	0.018	<1	1.82	0.009	0.03	0.1	0.04	2.6	<0.1	<0.05	5	<0.5

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Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
882065	Soil	0.40	4.9	53.1	10.0	59	0.4	14.8	9.0	341	2.77	7.4	1.0	3.0	2.7	22	<0.1	0.5	0.2	57	0.17
882066	Soil	0.40	1.9	18.6	6.7	69	0.3	18.4	7.5	277	2.76	6.9	0.7	0.6	2.1	23	<0.1	0.5	<0.1	53	0.15
882067	Soil	0.40	1.7	15.6	7.6	77	0.2	17.0	8.0	372	2.75	7.1	0.4	1.8	1.1	32	<0.1	0.5	<0.1	56	0.17
882068	Soil	0.40	4.8	27.1	9.0	78	0.2	15.2	8.1	299	2.92	7.5	0.8	2.1	2.6	20	0.1	0.5	0.2	56	0.14
882069	Soil	0.30	2.5	26.8	8.2	79	0.3	18.6	7.6	479	2.90	8.1	0.7	1.7	1.1	45	0.3	0.5	0.2	56	0.33
882070	Soil	0.40	3.1	9.9	5.1	73	<0.1	12.0	5.4	317	1.89	3.0	0.4	71.2	0.8	27	0.1	0.3	<0.1	42	0.20
882071	Soil	0.40	2.8	28.0	5.4	81	<0.1	13.3	6.1	484	2.01	4.0	0.7	<0.5	0.9	26	0.3	0.4	0.1	42	0.18
882072	Soil	0.40	2.4	30.9	6.1	85	0.2	16.3	7.4	562	2.54	5.9	1.0	1.5	1.1	34	0.2	0.4	0.1	47	0.21
882073	Soil	0.40	2.8	18.4	6.8	81	0.2	14.2	8.5	441	2.74	6.6	0.5	1.3	0.4	40	0.1	0.5	0.1	55	0.22
882074	Soil	0.50	9.6	75.3	8.0	68	0.2	18.0	6.9	265	2.94	8.1	1.4	1.4	1.8	25	<0.1	0.4	0.2	62	0.14
882075	Soil	0.40	13.4	106.0	10.1	110	0.5	16.8	8.3	258	3.52	8.8	1.5	1.6	3.1	32	0.2	0.6	0.2	66	0.18
882076	Soil	0.40	6.6	20.7	8.3	58	0.2	20.4	9.1	294	3.00	8.5	0.6	1.8	1.5	41	0.2	0.5	<0.1	60	0.22
882077	Soil	0.30	10.1	137.0	6.8	51	<0.1	12.0	6.3	183	1.82	3.2	3.8	1.4	2.4	27	<0.1	0.4	0.2	39	0.16
882078	Soil	0.40	6.7	19.0	8.7	88	0.2	15.2	11.9	527	2.82	6.2	0.6	1.4	1.5	30	<0.1	0.4	0.1	59	0.17
882079	Soil	0.50	2.3	22.2	8.6	67	<0.1	14.4	9.1	363	2.59	5.2	0.7	1.5	1.9	22	<0.1	0.4	0.2	58	0.13
882080	Soil	0.50	5.3	37.0	8.1	65	0.2	12.6	7.8	232	2.48	5.7	1.1	1.5	1.9	30	<0.1	0.5	0.2	55	0.17
882081	Soil	0.50	7.5	63.4	9.5	66	0.1	18.0	10.5	213	3.03	7.5	1.3	2.2	3.6	24	<0.1	0.5	0.2	64	0.11
882082	Soil	0.60	3.6	24.8	5.7	79	0.1	13.1	5.7	236	2.73	6.2	0.6	1.4	1.0	35	0.1	0.6	0.1	59	0.28
882083	Soil	0.50	5.4	22.6	9.1	81	0.1	13.0	7.3	188	3.10	6.8	0.6	1.0	1.3	23	0.2	0.4	0.2	64	0.13
882084	Soil	0.50	25.5	483.1	9.9	86	0.5	27.3	12.9	1128	3.51	7.7	20.3	2.0	4.4	65	0.2	0.5	0.3	66	0.34
882085	Soil	0.50	5.9	30.0	11.2	72	0.3	12.2	6.6	170	2.72	4.8	0.8	1.7	2.6	31	<0.1	0.4	0.4	57	0.14
882086	Soil	0.50	11.2	66.4	16.6	69	0.1	14.6	7.8	202	3.25	6.9	1.3	2.0	3.2	31	0.2	0.5	0.5	70	0.14
882087	Soil	0.50	3.9	53.2	8.4	78	0.1	15.8	8.4	378	2.86	6.0	0.9	1.5	1.7	22	<0.1	0.3	0.1	58	0.13
882088	Soil	0.50	2.4	24.4	7.9	71	0.1	17.0	7.6	250	2.77	5.8	0.6	0.9	1.5	23	<0.1	0.4	0.1	59	0.14
882089	Soil	0.50	1.7	23.5	6.5	76	<0.1	16.0	6.8	255	2.58	7.0	0.6	1.6	0.5	54	0.2	0.4	<0.1	55	0.29
882090	Soil	0.50	2.5	34.9	6.4	99	0.2	18.6	8.0	470	2.96	6.4	0.8	1.3	0.7	44	0.3	0.4	0.1	61	0.26
882100	Soil	0.40	28.3	24.6	4.1	57	<0.1	14.0	5.4	227	1.88	3.6	1.1	1.1	1.1	39	<0.1	0.2	<0.1	38	0.31
882101	Soil	0.40	3.4	29.1	6.4	66	<0.1	15.5	6.4	343	2.40	6.6	2.1	0.7	1.1	37	0.1	0.4	0.1	51	0.25
882102	Soil	0.30	20.6	270.0	6.2	89	0.2	19.9	7.8	759	2.44	5.7	14.5	<0.5	2.5	104	0.5	0.3	0.2	50	0.50
882103	Soil	0.40	33.7	355.6	7.1	71	0.2	17.1	17.7	490	2.57	5.3	10.5	1.7	2.3	46	0.3	0.4	0.5	45	0.23

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Client: **Amarc Resources**
 1020 - 800 W. Pender St.
 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method Analyte Unit MDL	1DX15 P % 0.001	1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	
882065	Soil	0.134	6	21	0.31	162	0.026	<1	1.99	0.010	0.06	<0.1	0.05	2.7	<0.1	<0.05	5	<0.5
882066	Soil	0.118	7	19	0.30	157	0.029	<1	1.70	0.010	0.04	0.1	0.03	2.7	<0.1	<0.05	5	<0.5
882067	Soil	0.143	6	18	0.27	184	0.023	<1	1.50	0.009	0.05	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5
882068	Soil	0.142	8	19	0.29	179	0.027	<1	1.71	0.013	0.05	0.1	0.03	2.7	<0.1	<0.05	5	<0.5
882069	Soil	0.140	8	20	0.33	200	0.025	1	1.66	0.010	0.08	0.1	0.05	2.9	<0.1	<0.05	6	<0.5
882070	Soil	0.052	6	15	0.26	154	0.040	<1	1.01	0.010	0.05	<0.1	<0.01	1.9	<0.1	<0.05	4	<0.5
882071	Soil	0.053	8	16	0.30	166	0.032	1	1.09	0.009	0.05	0.1	0.02	2.2	<0.1	<0.05	4	<0.5
882072	Soil	0.065	9	21	0.37	167	0.022	<1	1.57	0.011	0.07	0.1	0.02	3.1	<0.1	<0.05	5	<0.5
882073	Soil	0.097	7	19	0.29	204	0.025	<1	1.42	0.009	0.06	0.2	0.02	2.0	<0.1	<0.05	6	<0.5
882074	Soil	0.062	9	21	0.40	177	0.013	<1	2.32	0.009	0.07	0.1	0.03	3.7	0.2	<0.05	7	<0.5
882075	Soil	0.146	8	22	0.32	220	0.024	<1	2.23	0.011	0.07	0.3	0.04	3.1	0.1	<0.05	8	<0.5
882076	Soil	0.050	7	21	0.37	180	0.037	<1	1.85	0.011	0.04	0.2	0.04	3.1	<0.1	<0.05	5	<0.5
882077	Soil	0.031	13	16	0.33	143	0.014	<1	1.52	0.011	0.04	0.2	0.02	2.7	0.1	<0.05	5	<0.5
882078	Soil	0.104	6	20	0.31	187	0.029	<1	1.70	0.008	0.06	0.3	0.03	2.6	<0.1	<0.05	6	<0.5
882079	Soil	0.100	7	20	0.25	131	0.037	<1	1.74	0.009	0.04	0.2	0.02	2.3	<0.1	<0.05	6	<0.5
882080	Soil	0.088	7	18	0.32	128	0.044	<1	1.45	0.010	0.05	0.3	0.02	2.3	<0.1	<0.05	5	<0.5
882081	Soil	0.068	8	22	0.35	128	0.049	<1	2.02	0.010	0.05	0.4	0.04	2.8	0.1	<0.05	6	<0.5
882082	Soil	0.083	6	19	0.32	120	0.041	2	1.33	0.009	0.05	0.4	0.01	2.5	<0.1	<0.05	5	<0.5
882083	Soil	0.098	6	20	0.26	130	0.038	<1	1.69	0.010	0.04	0.7	0.02	2.3	<0.1	<0.05	7	<0.5
882084	Soil	0.060	27	30	0.52	238	0.018	1	2.47	0.015	0.10	0.4	0.04	4.5	0.3	<0.05	7	0.6
882085	Soil	0.136	8	19	0.26	126	0.046	<1	1.46	0.009	0.05	0.6	<0.01	2.0	<0.1	<0.05	6	<0.5
882086	Soil	0.104	9	25	0.31	126	0.033	<1	1.85	0.010	0.04	1.2	0.02	2.6	0.1	<0.05	6	<0.5
882087	Soil	0.107	8	22	0.32	138	0.025	<1	2.05	0.009	0.04	0.4	0.03	2.8	<0.1	<0.05	7	<0.5
882088	Soil	0.080	7	21	0.31	136	0.029	<1	1.75	0.009	0.04	0.2	0.02	2.8	<0.1	<0.05	6	<0.5
882089	Soil	0.105	6	19	0.32	145	0.027	<1	1.60	0.010	0.05	0.2	0.03	2.2	<0.1	<0.05	6	<0.5
882090	Soil	0.066	7	23	0.36	186	0.028	<1	1.74	0.011	0.05	0.1	0.03	2.8	<0.1	<0.05	6	<0.5
882100	Soil	0.057	9	15	0.36	124	0.045	<1	1.05	0.014	0.06	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5
882101	Soil	0.056	9	19	0.41	137	0.034	2	1.23	0.012	0.07	0.1	0.03	2.9	<0.1	<0.05	4	<0.5
882102	Soil	0.054	24	21	0.37	249	0.013	<1	1.53	0.011	0.10	0.1	0.04	3.4	<0.1	<0.05	5	<0.5
882103	Soil	0.050	28	21	0.38	149	0.023	<1	1.64	0.011	0.05	0.1	0.03	3.0	<0.1	<0.05	5	<0.5

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Project: Megamine
Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
882104	Soil	0.50	33.6	114.1	9.6	51	0.2	10.6	5.7	146	2.66	4.8	2.1	2.4	4.9	29	<0.1	0.4	0.3	58	0.21
882105	Soil	0.40	19.5	147.9	10.0	64	0.1	12.9	6.9	196	3.07	7.0	2.4	6.4	4.9	16	<0.1	0.5	0.2	60	0.13
882106	Soil	0.30	15.5	85.3	9.2	65	0.2	15.4	7.4	224	3.27	9.1	0.9	1.7	2.8	16	0.1	0.5	0.1	62	0.11
882107	Soil	0.40	66.2	305.3	13.4	58	0.2	13.2	5.6	183	3.02	7.6	1.7	1.3	1.7	19	0.1	0.5	0.1	57	0.17
882108	Soil	0.40	57.0	460.3	11.6	53	0.3	13.3	8.3	240	2.95	4.9	3.7	2.3	4.9	23	0.1	0.4	0.4	58	0.15
882109	Soil	0.50	32.5	134.7	19.7	70	0.2	14.6	11.6	335	4.57	1.4	5.3	4.9	44.4	17	<0.1	<0.1	0.4	94	0.54
882110	Soil	0.40	14.3	41.8	17.4	48	0.2	8.4	4.2	217	3.80	2.1	2.2	2.5	23.2	24	<0.1	0.2	0.6	84	0.11
882111	Soil	0.50	15.0	52.8	7.2	71	0.1	13.7	8.2	434	2.47	5.9	1.6	1.5	1.5	31	0.2	0.4	0.2	49	0.25
882112	Soil	0.50	6.3	28.8	6.1	62	<0.1	15.8	7.1	360	2.39	6.0	0.8	0.9	1.4	30	<0.1	0.5	0.1	47	0.26
882113	Soil	0.40	2.7	19.3	5.2	79	0.1	13.5	6.5	394	2.11	3.6	0.7	<0.5	0.9	27	0.1	0.3	<0.1	39	0.21
882114	Soil	0.40	4.6	22.7	7.2	62	0.2	20.4	8.2	327	2.61	7.7	0.7	1.8	1.3	21	<0.1	0.5	0.1	50	0.17
882115	Soil	0.50	6.3	33.2	7.3	107	<0.1	17.7	7.2	255	3.06	5.7	1.3	1.3	4.4	30	<0.1	0.5	0.2	58	0.20
882116	Soil	0.40	1.2	16.2	6.0	35	<0.1	14.1	4.6	144	1.99	3.8	0.6	0.9	1.1	20	<0.1	0.3	<0.1	43	0.15
882117	Soil	0.40	2.4	29.0	6.7	63	<0.1	16.5	6.7	356	2.49	6.6	0.8	1.4	1.8	30	0.1	0.4	0.1	47	0.24
882118	Soil	0.40	13.9	20.2	8.2	41	<0.1	6.3	3.8	136	2.37	4.3	0.5	0.8	0.9	14	0.2	0.4	0.2	57	0.08
882119	Soil	0.40	5.6	27.9	10.7	83	0.2	15.7	9.4	218	3.16	7.2	1.1	1.2	3.3	16	<0.1	0.4	0.2	60	0.08
882120	Soil	0.40	20.4	64.4	16.7	102	0.3	14.8	10.5	594	3.17	3.8	1.4	2.6	5.9	24	0.1	0.3	0.4	70	0.28
882121	Soil	0.40	5.4	28.5	7.6	58	<0.1	15.6	7.9	211	2.74	6.7	1.7	0.8	2.2	29	<0.1	0.4	0.1	54	0.20
882122	Soil	0.50	13.8	37.7	8.3	64	0.1	12.8	9.7	283	2.59	5.1	1.2	0.7	1.4	19	0.1	0.4	0.2	54	0.11
882123	Soil	0.50	5.0	28.3	7.8	67	<0.1	17.4	8.4	190	2.83	7.7	0.7	0.6	1.5	18	<0.1	0.4	<0.1	58	0.10
882124	Soil	0.40	3.8	26.4	10.2	101	0.1	21.4	9.7	293	3.04	7.2	2.6	1.1	6.5	23	0.1	0.4	0.1	57	0.12
882125	Soil	0.40	8.8	15.9	8.2	75	0.2	8.4	8.3	279	2.40	4.2	0.8	<0.5	2.1	27	0.2	0.3	0.2	50	0.17
882126	Soil	0.50	4.5	22.0	5.3	102	0.2	13.9	7.2	424	2.32	3.8	0.8	1.0	1.3	32	0.1	0.3	0.1	46	0.23
882127	Soil	0.40	29.5	128.3	7.0	58	0.2	15.9	7.8	424	2.28	5.1	6.2	1.7	1.7	39	0.1	0.5	0.2	44	0.27
882128	Soil	0.40	5.0	26.1	5.6	102	0.1	20.2	8.4	394	2.92	5.8	0.7	0.8	2.3	28	<0.1	0.4	0.1	60	0.20
882129	Soil	0.40	4.3	27.9	7.5	68	0.3	18.3	8.2	250	2.81	7.4	0.7	2.2	2.0	27	<0.1	0.5	0.1	54	0.15
882130	Soil	0.40	9.1	16.8	7.0	81	0.1	15.7	8.6	860	2.71	7.1	0.5	0.6	1.3	19	0.1	0.5	0.1	54	0.17
882131	Soil	0.40	5.2	18.5	6.1	118	0.5	12.3	7.7	603	2.36	4.0	0.6	0.8	1.7	22	0.3	0.3	0.1	46	0.16
882132	Soil	0.30	6.6	58.3	10.2	57	0.2	13.6	6.2	172	3.11	7.7	1.0	2.1	2.8	17	<0.1	0.4	0.2	67	0.08
882133	Soil	0.50	15.5	266.0	7.2	57	0.1	13.3	8.2	315	2.34	4.2	3.9	1.3	3.5	32	<0.1	0.4	0.2	48	0.19

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Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method Analyte Unit MDL	1DX15 P % 0.001	1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	
882104	Soil	0.069	12	15	0.38	103	0.061	1	1.28	0.009	0.06	0.2	0.02	2.3	<0.1	<0.05	7	<0.5
882105	Soil	0.084	7	20	0.27	117	0.021	<1	1.89	0.009	0.04	0.1	0.05	2.7	0.1	<0.05	6	<0.5
882106	Soil	0.103	6	22	0.39	100	0.026	2	2.09	0.010	0.04	0.2	0.04	3.1	<0.1	<0.05	6	<0.5
882107	Soil	0.109	6	21	0.28	98	0.020	1	1.68	0.011	0.04	0.2	0.03	2.7	<0.1	<0.05	6	<0.5
882108	Soil	0.097	8	18	0.32	130	0.028	<1	1.64	0.009	0.06	0.1	0.03	2.6	0.2	<0.05	7	<0.5
882109	Soil	0.258	30	17	1.40	145	0.255	<1	1.94	0.012	0.27	0.2	0.01	6.7	0.3	<0.05	13	0.6
882110	Soil	0.122	11	18	0.47	129	0.182	1	1.38	0.009	0.10	0.2	0.03	3.0	0.2	<0.05	12	<0.5
882111	Soil	0.070	9	19	0.37	152	0.040	1	1.28	0.010	0.08	0.2	0.03	2.8	<0.1	<0.05	5	<0.5
882112	Soil	0.060	8	18	0.41	129	0.053	<1	1.21	0.012	0.05	0.1	0.02	2.9	<0.1	<0.05	4	<0.5
882113	Soil	0.056	8	17	0.32	147	0.030	<1	1.22	0.010	0.04	0.1	0.02	2.5	<0.1	<0.05	4	<0.5
882114	Soil	0.084	7	19	0.39	120	0.033	<1	1.52	0.012	0.05	0.1	0.03	2.9	<0.1	<0.05	5	<0.5
882115	Soil	0.083	9	21	0.47	170	0.059	<1	1.65	0.012	0.08	0.1	0.02	3.4	<0.1	<0.05	6	<0.5
882116	Soil	0.049	9	15	0.30	181	0.013	<1	1.65	0.009	0.03	<0.1	0.03	3.3	0.1	<0.05	5	<0.5
882117	Soil	0.062	8	20	0.42	131	0.039	<1	1.41	0.012	0.06	0.1	0.03	3.1	<0.1	<0.05	4	<0.5
882118	Soil	0.049	6	16	0.11	111	0.034	<1	0.80	0.011	0.04	0.1	0.03	1.4	<0.1	<0.05	5	<0.5
882119	Soil	0.143	8	22	0.31	144	0.031	<1	2.23	0.011	0.05	0.2	0.03	3.1	<0.1	<0.05	7	<0.5
882120	Soil	0.104	12	22	0.41	164	0.048	<1	1.82	0.010	0.05	1.0	0.03	2.5	0.1	<0.05	9	<0.5
882121	Soil	0.065	8	20	0.36	124	0.034	<1	1.69	0.011	0.04	0.2	0.02	2.9	<0.1	<0.05	5	<0.5
882122	Soil	0.087	7	19	0.27	120	0.027	<1	1.85	0.009	0.04	0.4	0.03	2.3	<0.1	<0.05	5	<0.5
882123	Soil	0.084	6	21	0.29	159	0.026	<1	2.01	0.009	0.04	0.1	0.05	3.0	<0.1	<0.05	5	<0.5
882124	Soil	0.125	7	20	0.33	172	0.034	<1	2.39	0.008	0.05	0.1	0.05	3.1	<0.1	<0.05	7	0.6
882125	Soil	0.129	6	17	0.15	215	0.036	<1	1.23	0.012	0.04	0.2	0.02	1.8	<0.1	<0.05	5	<0.5
882126	Soil	0.044	8	19	0.47	170	0.047	1	1.52	0.010	0.06	0.1	0.03	2.9	<0.1	<0.05	5	<0.5
882127	Soil	0.054	10	20	0.41	203	0.023	<1	1.48	0.011	0.07	0.1	0.08	3.3	0.1	<0.05	5	<0.5
882128	Soil	0.102	8	33	0.57	150	0.044	<1	1.82	0.009	0.05	0.1	0.02	3.9	<0.1	<0.05	5	<0.5
882129	Soil	0.104	7	22	0.41	159	0.032	<1	2.03	0.011	0.04	0.1	0.04	3.3	<0.1	<0.05	6	<0.5
882130	Soil	0.155	6	20	0.33	160	0.032	<1	1.75	0.009	0.06	0.1	0.04	2.8	<0.1	<0.05	5	<0.5
882131	Soil	0.131	8	17	0.31	165	0.034	<1	1.36	0.010	0.06	0.3	0.02	2.5	<0.1	<0.05	5	<0.5
882132	Soil	0.111	6	22	0.27	114	0.031	<1	2.23	0.008	0.04	0.2	0.05	2.8	<0.1	<0.05	7	<0.5
882133	Soil	0.060	11	19	0.32	140	0.039	<1	1.31	0.011	0.04	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5



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 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
882134	Soil	0.40	3.7	16.8	5.0	43	0.1	10.4	4.8	150	1.88	2.8	0.5	0.6	0.9	24	<0.1	0.3	0.1	41	0.14
882135	Soil	0.40	19.1	207.9	9.6	78	0.2	17.1	10.1	261	3.11	7.8	1.7	2.0	5.4	21	<0.1	0.5	0.3	61	0.15
882136	Soil	0.50	166.6	338.2	17.2	65	0.8	14.6	7.3	213	4.47	5.0	2.9	4.4	15.5	19	0.2	0.3	1.4	88	0.27
882137	Soil	0.40	74.4	234.4	13.8	74	0.4	16.3	8.8	213	3.29	5.9	2.2	3.9	7.4	21	0.2	0.4	0.5	65	0.15
882138	Soil	0.50	71.8	334.9	6.8	61	<0.1	15.4	6.4	289	2.58	5.3	4.6	2.6	2.6	33	0.2	0.5	0.2	56	0.20
882139	Soil	0.50	2.6	21.5	6.0	65	0.2	11.9	5.3	331	2.08	5.9	1.2	1.8	0.9	32	0.2	0.3	<0.1	45	0.25
882140	Soil	0.40	3.6	21.7	6.5	62	<0.1	12.8	6.5	370	2.17	4.8	0.8	2.6	1.4	26	0.2	0.4	0.1	49	0.18
882141	Soil	0.40	3.0	18.1	4.6	70	0.1	13.6	5.7	268	2.12	4.7	0.6	1.8	1.6	25	0.2	0.4	<0.1	47	0.22
882142	Soil	0.40	4.8	20.2	5.9	64	0.2	13.8	7.4	307	2.31	5.4	0.6	2.3	1.0	30	<0.1	0.5	0.1	50	0.19
882143	Soil	0.40	38.7	636.7	7.7	66	0.3	20.0	9.0	777	2.74	5.4	22.2	3.2	2.5	52	0.2	0.4	0.3	52	0.42
882144	Soil	0.50	81.1	856.7	9.4	83	0.3	23.6	20.3	732	3.15	7.3	42.0	48.3	4.6	58	0.5	0.5	0.5	56	0.47
882145	Soil	0.40	1.8	22.3	7.0	121	0.1	22.8	11.2	735	3.01	6.4	0.7	2.9	1.7	33	0.2	0.4	<0.1	75	0.30
882146	Soil	0.50	3.0	34.5	5.4	88	<0.1	15.0	6.1	274	2.36	5.0	0.6	3.2	0.8	35	0.2	0.4	0.1	48	0.28
882147	Soil	0.40	2.5	21.1	7.1	76	0.1	16.2	8.9	886	2.32	4.7	0.8	2.9	1.1	34	0.3	0.4	0.1	47	0.25
882148	Soil	0.30	3.1	73.6	8.8	128	0.8	32.4	11.5	1152	3.02	6.7	3.1	2.1	0.8	67	1.5	0.4	0.1	51	0.50
882149	Soil	0.40	2.1	22.8	7.1	92	<0.1	18.9	7.9	255	2.80	10.1	0.7	2.4	1.6	25	0.2	0.5	0.1	55	0.16
882351	Soil	0.30	0.6	12.4	5.2	108	0.2	16.0	7.3	446	2.03	4.0	0.3	2.1	0.7	27	0.3	0.4	<0.1	42	0.20
882352	Soil	0.20	0.6	11.8	5.2	99	<0.1	12.2	6.9	844	1.88	3.3	0.3	1.4	0.6	31	0.8	0.3	<0.1	37	0.22
882353	Soil	0.30	0.8	18.4	5.1	108	0.1	17.9	7.0	437	2.45	5.9	0.4	1.0	0.9	26	0.4	0.4	0.1	43	0.20
882354	Soil	0.20	1.3	18.4	8.0	197	0.4	12.3	10.4	748	2.57	4.7	0.4	1.9	0.8	31	0.6	0.4	0.1	47	0.28
882355	Soil	0.30	3.0	35.6	7.2	65	0.2	19.4	8.5	803	2.39	5.3	2.0	1.4	1.0	54	0.7	0.4	<0.1	43	0.51
882356	Soil	0.20	0.6	11.4	4.1	103	0.1	10.2	7.0	406	1.75	3.2	0.3	1.7	0.6	21	0.4	0.3	<0.1	36	0.22
882357	Soil	0.30	0.7	9.5	4.3	92	<0.1	10.0	4.9	267	1.69	3.1	0.3	1.4	0.8	19	0.3	0.3	<0.1	37	0.17
882358	Soil	0.20	0.9	13.7	5.7	67	0.1	14.9	7.0	541	2.07	5.3	0.4	2.0	0.6	38	0.3	0.4	<0.1	42	0.33
882359	Soil	0.30	1.2	28.2	6.8	119	0.3	16.2	10.8	999	2.35	5.1	0.9	5.7	0.6	43	1.4	0.3	<0.1	45	0.34
882360	Soil	0.30	2.0	21.8	6.6	124	0.1	15.0	8.5	1038	2.15	4.8	0.6	0.8	0.4	47	1.5	0.4	<0.1	45	0.33
882361	Soil	0.30	1.2	21.7	4.9	82	0.2	16.5	6.7	838	2.09	4.1	1.1	1.9	0.7	31	0.5	0.3	<0.1	39	0.28
882362	Soil	0.30	0.8	12.8	5.5	100	<0.1	17.4	8.9	225	2.37	5.3	0.4	3.3	1.1	31	0.2	0.4	<0.1	46	0.24
882363	Soil	0.30	3.8	22.7	5.3	39	<0.1	14.0	5.4	329	1.99	5.2	2.0	1.4	1.3	44	0.1	0.4	<0.1	41	0.39
882364	Soil	0.20	2.3	30.6	10.8	96	<0.1	18.9	6.8	369	3.04	7.3	0.4	2.1	2.0	18	<0.1	0.4	0.1	71	0.09

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: Megamine
Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method Analyte Unit MDL	1DX15 P % 0.001	1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	
882134	Soil	0.034	7	16	0.28	111	0.045	<1	1.08	0.011	0.04	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5
882135	Soil	0.154	8	22	0.41	149	0.044	<1	2.29	0.009	0.06	0.2	0.04	3.3	0.1	<0.05	6	0.6
882136	Soil	0.220	18	20	0.78	161	0.111	1	2.53	0.009	0.13	0.3	0.04	4.9	0.3	<0.05	12	<0.5
882137	Soil	0.118	9	20	0.45	156	0.062	2	2.02	0.009	0.06	0.2	0.04	2.7	0.1	<0.05	7	<0.5
882138	Soil	0.045	10	20	0.33	129	0.039	2	1.29	0.015	0.07	0.2	0.02	2.8	<0.1	<0.05	5	0.9
882139	Soil	0.070	8	15	0.31	172	0.023	<1	1.11	0.010	0.05	0.2	0.04	2.4	<0.1	<0.05	4	<0.5
882140	Soil	0.048	8	16	0.32	150	0.038	<1	1.02	0.009	0.05	0.2	0.02	2.4	<0.1	<0.05	4	<0.5
882141	Soil	0.077	7	16	0.35	121	0.041	2	1.11	0.009	0.05	0.2	0.04	2.4	<0.1	<0.05	4	<0.5
882142	Soil	0.069	5	17	0.32	157	0.030	2	1.18	0.010	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5
882143	Soil	0.050	69	22	0.36	250	0.011	<1	1.62	0.010	0.09	0.2	0.04	3.5	<0.1	<0.05	5	<0.5
882144	Soil	0.050	60	24	0.45	208	0.018	1	1.68	0.012	0.07	0.6	0.04	4.9	0.1	<0.05	5	1.0
882145	Soil	0.074	7	24	0.78	160	0.120	2	1.52	0.011	0.20	0.1	0.05	4.1	0.1	<0.05	5	0.5
882146	Soil	0.066	6	18	0.35	154	0.040	2	1.21	0.009	0.06	0.1	0.03	2.3	<0.1	<0.05	5	<0.5
882147	Soil	0.077	8	17	0.31	174	0.034	1	1.09	0.009	0.07	0.2	0.02	2.4	<0.1	<0.05	4	<0.5
882148	Soil	0.140	25	24	0.47	332	0.010	2	2.16	0.014	0.13	0.2	0.05	4.6	<0.1	<0.05	6	1.2
882149	Soil	0.194	5	19	0.32	140	0.021	2	1.76	0.011	0.04	<0.1	0.04	2.7	<0.1	<0.05	4	<0.5
882351	Soil	0.071	6	18	0.30	152	0.030	2	1.04	0.016	0.06	0.3	0.03	2.3	<0.1	<0.05	3	<0.5
882352	Soil	0.070	6	15	0.25	162	0.033	1	0.87	0.011	0.05	<0.1	0.04	1.8	<0.1	<0.05	3	<0.5
882353	Soil	0.118	7	21	0.34	147	0.022	1	1.27	0.015	0.06	0.2	0.04	2.7	<0.1	<0.05	4	0.6
882354	Soil	0.264	6	20	0.30	265	0.028	1	1.43	0.010	0.07	0.4	0.05	2.6	<0.1	<0.05	5	0.7
882355	Soil	0.061	11	21	0.31	255	0.020	2	1.20	0.012	0.08	0.1	0.03	4.2	<0.1	<0.05	4	0.6
882356	Soil	0.075	5	14	0.23	150	0.030	<1	0.83	0.015	0.06	0.2	0.03	1.8	<0.1	<0.05	3	<0.5
882357	Soil	0.056	6	14	0.23	125	0.032	1	0.88	0.009	0.05	0.1	0.02	2.1	<0.1	<0.05	3	<0.5
882358	Soil	0.059	6	17	0.32	132	0.027	<1	0.96	0.010	0.09	0.1	0.05	2.1	<0.1	<0.05	3	0.6
882359	Soil	0.137	9	18	0.28	232	0.024	2	1.21	0.013	0.10	0.2	0.03	2.8	<0.1	<0.05	4	<0.5
882360	Soil	0.129	7	16	0.22	224	0.026	1	1.10	0.011	0.08	0.2	0.03	2.4	<0.1	<0.05	4	0.5
882361	Soil	0.060	10	21	0.28	157	0.028	<1	1.11	0.014	0.06	0.2	0.03	2.8	<0.1	<0.05	3	<0.5
882362	Soil	0.111	7	17	0.32	191	0.031	2	1.26	0.011	0.06	0.1	0.03	2.4	<0.1	<0.05	4	<0.5
882363	Soil	0.056	8	18	0.30	117	0.039	<1	0.94	0.015	0.04	0.1	0.03	2.8	<0.1	<0.05	3	0.6
882364	Soil	0.140	5	26	0.40	133	0.042	<1	2.46	0.010	0.05	0.3	0.05	4.0	0.2	<0.05	8	<0.5



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CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
882365	Soil	0.30	5.1	13.7	10.6	83	<0.1	10.4	11.2	908	2.51	5.4	0.7	0.9	3.2	19	0.2	0.4	7.0	50	0.15
882366	Soil	0.30	1.2	17.0	7.4	93	0.1	15.1	8.9	384	2.39	5.4	0.5	1.9	1.1	26	0.4	0.4	0.1	50	0.20
882367	Soil	0.20	2.6	23.7	12.8	206	<0.1	22.0	23.1	702	2.83	12.7	0.6	1.4	1.6	31	0.6	0.3	0.6	63	0.24
882368	Soil	0.10	4.4	38.3	11.9	148	<0.1	19.1	9.4	387	3.62	20.7	0.4	0.9	0.5	20	0.4	0.3	0.4	90	0.22
882369	Soil	0.20	5.6	37.0	10.2	108	<0.1	22.2	10.9	218	3.77	23.4	0.6	1.2	1.8	23	<0.1	0.5	0.5	105	0.13
882370	Soil	0.20	3.0	30.9	10.8	91	<0.1	28.4	12.9	363	3.64	15.1	0.5	1.7	1.2	24	0.2	0.5	0.3	77	0.22
882371	Soil	0.30	1.7	38.2	9.1	75	0.2	24.3	10.2	903	2.79	8.0	1.0	0.6	1.0	43	0.4	0.5	0.4	54	0.31
882372	Soil	0.20	1.4	20.6	7.9	52	<0.1	16.7	9.4	444	2.71	9.2	0.4	1.9	1.1	21	<0.1	0.3	0.2	61	0.15
882373	Soil	0.30	2.8	27.4	8.0	57	<0.1	20.2	8.9	263	2.89	10.4	0.5	2.9	1.5	22	<0.1	0.6	0.2	59	0.19
882374	Soil	0.20	2.2	21.5	9.4	62	<0.1	16.4	7.0	210	2.64	10.1	0.6	1.3	0.7	26	0.1	0.4	0.4	69	0.21
882375	Soil	0.20	1.9	34.9	14.7	128	0.1	56.6	18.5	1119	3.76	10.5	1.4	1.0	2.0	36	0.7	0.6	0.3	89	0.75
882376	Soil	0.30	1.4	14.3	6.6	55	0.2	18.5	8.8	358	2.38	4.2	0.3	0.5	0.9	23	0.4	0.4	<0.1	64	0.23
882377	Soil	0.30	1.1	9.2	5.4	67	<0.1	15.2	7.9	218	2.20	4.9	0.3	0.6	1.0	19	0.3	0.3	<0.1	55	0.17
882378	Soil	0.40	2.8	27.7	8.7	46	<0.1	15.0	5.8	155	2.20	6.3	0.7	2.5	1.9	26	<0.1	0.3	0.2	56	0.18
882379	Soil	0.30	2.5	29.3	10.7	150	<0.1	25.9	12.6	967	2.88	7.1	0.6	2.0	1.9	20	<0.1	0.4	0.2	65	0.16
882380	Soil	0.30	6.8	67.4	11.4	103	<0.1	32.5	11.9	305	3.77	17.5	1.3	5.8	3.8	14	<0.1	0.8	0.2	85	0.10
882384	Soil	0.30	2.4	32.8	11.6	95	0.1	22.7	9.6	407	3.22	2.9	0.9	0.9	2.5	30	0.1	0.2	0.3	96	0.28
882385	Soil	0.20	4.3	169.8	10.1	88	0.3	31.5	14.7	1008	3.49	8.3	2.2	1.7	1.8	65	0.1	0.3	0.6	84	0.28
882386	Soil	0.20	4.3	76.2	10.2	51	<0.1	15.0	3.5	155	3.58	12.5	0.9	4.0	1.7	11	<0.1	0.3	4.2	100	0.06
882387	Soil	0.20	2.1	18.0	11.0	108	<0.1	18.1	8.4	420	3.52	13.3	0.4	0.8	1.3	14	0.2	0.5	0.6	89	0.11
882388	Soil	0.30	9.3	220.0	10.1	134	0.3	20.3	25.8	626	2.61	6.3	6.0	2.1	2.6	43	0.8	0.5	0.2	59	0.34
882389	Soil	0.20	2.9	43.4	14.0	122	0.3	26.1	12.7	312	3.36	4.6	0.7	1.2	1.6	29	0.5	0.3	0.3	104	0.20
882393	Soil	0.30	8.3	108.4	7.1	51	<0.1	16.0	8.2	412	2.18	5.4	11.3	1.0	3.7	43	<0.1	0.4	0.1	55	0.28
882394	Soil	0.30	4.5	210.2	8.7	97	0.3	19.2	11.8	1091	2.75	7.0	17.0	0.9	2.8	61	0.4	0.4	0.2	60	0.40
808380	Silt	1.00	1.6	23.1	6.6	70	<0.1	138.7	16.6	802	2.77	10.5	1.2	0.5	1.9	49	0.3	0.6	0.1	61	0.49
808381	Silt	0.60	31.8	128.7	16.7	131	0.8	52.5	17.8	1903	4.63	16.1	8.2	2.9	3.3	133	0.8	0.8	0.7	83	1.23
808382	Silt	0.90	1.2	17.3	5.8	58	<0.1	103.4	13.6	593	2.62	7.7	0.9	1.0	2.0	39	<0.1	0.6	0.2	61	0.45
808383	Silt	0.90	1.2	15.9	5.7	57	<0.1	96.6	12.4	543	2.83	7.9	0.9	1.3	2.3	34	0.2	0.6	<0.1	70	0.44
808384	Silt	0.90	56.9	520.7	11.0	111	0.4	30.2	12.7	1155	3.71	7.6	22.5	2.1	6.1	116	0.5	0.4	0.4	70	0.59
808385	Silt	0.70	95.2	241.1	7.9	78	0.1	20.3	14.9	1227	3.43	7.5	11.8	1.7	2.2	77	0.3	0.3	0.2	57	0.48

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 1020 - 800 W. Pender St.
 Vancouver BC V6C 2V6 Canada

Project: Megamine
 Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	
882365	Soil	0.124	10	15	0.22	198	0.038	<1	1.22	0.008	0.07	5.1	0.03	1.8	0.1	<0.05	5	<0.5
882366	Soil	0.151	6	20	0.30	152	0.039	1	1.24	0.010	0.07	0.2	0.03	2.3	<0.1	<0.05	4	<0.5
882367	Soil	0.125	8	25	0.31	191	0.034	<1	2.29	0.010	0.10	0.2	0.02	2.7	0.1	<0.05	7	<0.5
882368	Soil	0.205	4	26	0.23	91	0.053	<1	1.62	0.015	0.10	0.2	0.07	2.4	0.1	<0.05	11	0.6
882369	Soil	0.069	6	28	0.52	105	0.055	1	2.73	0.010	0.10	0.4	0.05	3.4	0.3	<0.05	11	0.9
882370	Soil	0.096	5	44	0.37	82	0.035	1	2.23	0.012	0.10	0.2	0.05	2.4	0.2	<0.05	7	<0.5
882371	Soil	0.065	10	23	0.44	172	0.034	1	1.55	0.011	0.12	0.2	0.03	2.9	0.2	<0.05	5	0.7
882372	Soil	0.069	5	22	0.21	98	0.031	1	1.69	0.010	0.06	0.2	0.05	1.8	0.1	<0.05	6	<0.5
882373	Soil	0.049	6	20	0.43	63	0.036	1	1.78	0.010	0.05	0.1	0.04	2.9	<0.1	<0.05	5	<0.5
882374	Soil	0.059	7	22	0.25	124	0.027	1	1.59	0.014	0.07	0.2	0.04	2.2	0.1	<0.05	7	<0.5
882375	Soil	0.142	10	62	1.33	142	0.058	3	2.73	0.035	0.16	0.3	0.02	6.0	0.2	<0.05	8	<0.5
882376	Soil	0.050	4	30	0.48	72	0.052	1	0.93	0.010	0.08	0.2	0.02	2.5	<0.1	<0.05	4	<0.5
882377	Soil	0.024	5	26	0.36	62	0.058	1	0.96	0.009	0.07	0.2	0.02	2.1	<0.1	<0.05	4	<0.5
882378	Soil	0.057	8	18	0.31	98	0.034	3	1.40	0.009	0.05	0.3	0.03	2.5	<0.1	<0.05	5	<0.5
882379	Soil	0.119	7	28	0.35	116	0.039	2	2.17	0.011	0.07	0.3	0.04	3.1	0.2	<0.05	6	<0.5
882380	Soil	0.133	7	32	0.45	81	0.018	2	4.20	0.007	0.05	0.2	0.05	5.2	0.2	<0.05	7	0.9
882384	Soil	0.148	11	39	0.61	174	0.104	2	2.00	0.012	0.09	0.2	0.02	2.7	0.1	<0.05	12	<0.5
882385	Soil	0.077	19	37	0.60	377	0.015	1	3.37	0.017	0.11	0.2	0.03	4.8	0.3	<0.05	10	<0.5
882386	Soil	0.150	7	32	0.30	88	0.069	<1	2.19	0.009	0.08	1.1	0.06	3.7	0.3	<0.05	12	<0.5
882387	Soil	0.226	6	31	0.28	139	0.039	1	2.17	0.009	0.06	0.2	0.03	3.1	0.2	<0.05	9	<0.5
882388	Soil	0.075	16	21	0.33	178	0.044	2	1.38	0.011	0.08	0.8	0.03	3.1	0.1	<0.05	5	0.8
882389	Soil	0.043	9	70	0.77	144	0.128	2	1.76	0.012	0.13	2.5	0.01	5.0	0.3	<0.05	9	<0.5
882393	Soil	0.056	16	20	0.40	114	0.061	1	1.23	0.016	0.06	0.2	0.02	3.7	<0.1	<0.05	4	<0.5
882394	Soil	0.087	20	20	0.29	189	0.032	1	1.56	0.011	0.06	0.2	0.02	3.0	0.1	<0.05	5	<0.5
808380	Silt	0.104	12	104	1.06	125	0.043	2	1.20	0.016	0.06	0.2	0.04	4.0	0.1	<0.05	4	<0.5
808381	Silt	0.072	24	38	0.66	425	0.013	3	2.88	0.019	0.19	2.3	0.07	9.2	0.2	0.14	8	2.0
808382	Silt	0.103	12	97	0.89	104	0.052	2	1.03	0.015	0.05	0.5	0.02	3.3	<0.1	<0.05	3	<0.5
808383	Silt	0.104	11	101	0.87	95	0.054	1	1.02	0.014	0.05	0.6	0.08	3.2	<0.1	<0.05	4	<0.5
808384	Silt	0.081	25	27	0.46	315	0.007	<1	2.67	0.013	0.10	<0.1	0.05	5.9	0.2	<0.05	7	0.7
808385	Silt	0.104	15	20	0.37	211	0.011	<1	2.05	0.011	0.08	0.2	0.07	4.5	0.2	<0.05	6	<0.5



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Project: Megamine
Report Date: December 07, 2007

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CERTIFICATE OF ANALYSIS

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Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
808386	Silt	0.80	26.4	73.4	8.9	91	0.2	24.3	11.3	1644	3.54	9.1	10.6	0.7	1.5	114	0.5	0.6	0.1	67	0.70
808387	Silt	0.80	27.1	120.5	7.9	96	0.3	25.7	9.6	800	3.06	6.6	32.6	1.4	2.1	134	0.9	0.5	0.1	63	0.78



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CERTIFICATE OF ANALYSIS

SMI07000331.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
808386	Silt	0.084	13	22	0.43	229	0.025	2	1.60	0.012	0.08	0.2	0.04	4.5	<0.1	<0.05	5	<0.5
808387	Silt	0.096	25	23	0.46	311	0.019	2	2.08	0.013	0.09	0.1	0.06	5.7	0.1	<0.05	5	0.7

QUALITY CONTROL REPORT

SMI07000331.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
881900	Soil	0.40	0.9	17.7	7.6	56	<0.1	19.7	7.8	466	2.33	7.1	0.5	1.1	1.3	34	0.1	0.6	0.1	43	0.33
REP 881900	QC		0.9	18.0	7.7	55	<0.1	19.5	8.0	486	2.38	7.4	0.5	1.4	1.4	36	0.1	0.5	<0.1	45	0.33
881922	Soil	0.40	4.5	36.8	9.4	77	0.2	14.1	11.2	482	2.46	5.7	1.1	0.9	1.8	37	0.2	0.5	0.1	48	0.26
REP 881922	QC		4.2	36.2	9.0	78	0.2	14.3	10.8	484	2.45	5.7	1.1	1.3	1.7	37	0.2	0.5	0.1	50	0.26
881947	Soil	0.60	5.7	33.4	8.4	74	<0.1	13.8	6.2	410	2.09	5.7	2.6	<0.5	2.0	37	0.2	0.5	0.1	49	0.23
REP 881947	QC		5.2	32.2	7.8	71	0.1	14.4	6.0	418	2.13	5.8	2.3	1.8	2.0	33	0.2	0.4	0.1	46	0.24
881954	Soil	0.50	1.4	17.6	7.1	180	0.2	15.4	9.0	1165	2.26	4.4	0.4	<0.5	0.9	61	1.1	0.4	0.1	42	0.76
REP 881954	QC		1.3	18.1	7.3	174	0.2	15.1	9.0	1150	2.24	4.4	0.4	1.0	0.9	63	1.2	0.3	<0.1	42	0.79
881974	Soil	0.40	6.0	27.2	7.7	62	<0.1	18.0	7.1	300	2.63	7.5	1.1	1.6	1.9	48	<0.1	0.6	0.1	51	0.32
REP 881974	QC		6.2	27.7	7.4	64	<0.1	17.6	7.0	293	2.67	7.3	1.1	0.7	1.8	48	0.1	0.6	<0.1	50	0.32
882004	Soil	0.30	1.8	16.3	9.6	77	<0.1	12.7	7.6	269	2.62	6.1	0.6	1.4	2.6	16	0.2	0.2	0.2	45	0.11
REP 882004	QC		2.2	16.7	10.0	80	<0.1	13.5	7.7	273	2.68	7.1	0.8	<0.5	3.0	17	0.1	0.5	0.2	50	0.13
882016	Soil	0.30	7.1	119.1	9.7	110	<0.1	15.2	8.4	198	2.45	4.2	2.3	4.5	2.2	26	0.3	0.4	0.2	52	0.13
REP 882016	QC		7.1	119.3	10.0	111	<0.1	15.6	8.9	196	2.41	4.1	2.3	1.3	2.2	25	0.3	0.3	0.2	51	0.12
882021	Soil	0.40	4.8	112.3	9.8	81	0.1	21.9	11.1	228	3.21	6.7	7.6	7.2	4.5	20	0.1	0.4	0.2	64	0.11
REP 882021	QC		4.6	111.4	9.6	79	0.1	20.8	11.0	223	3.14	6.6	7.4	27.9	4.4	20	0.1	0.5	0.2	63	0.11
882065	Soil	0.40	4.9	53.1	10.0	59	0.4	14.8	9.0	341	2.77	7.4	1.0	3.0	2.7	22	<0.1	0.5	0.2	57	0.17
REP 882065	QC		4.7	53.8	9.5	57	0.5	14.8	9.1	343	2.83	7.5	1.0	51.1	2.7	23	<0.1	0.4	0.2	59	0.17
882082	Soil	0.60	3.6	24.8	5.7	79	0.1	13.1	5.7	236	2.73	6.2	0.6	1.4	1.0	35	0.1	0.6	0.1	59	0.28
REP 882082	QC		3.6	24.8	5.7	76	0.1	11.8	6.0	235	2.73	6.2	0.6	1.4	1.0	35	0.2	0.5	0.1	58	0.27
882104	Soil	0.50	33.6	114.1	9.6	51	0.2	10.6	5.7	146	2.66	4.8	2.1	2.4	4.9	29	<0.1	0.4	0.3	58	0.21
REP 882104	QC		35.5	118.2	10.0	48	0.1	10.8	5.8	146	2.68	4.9	2.2	2.2	4.7	28	<0.1	0.4	0.3	62	0.23
882119	Soil	0.40	5.6	27.9	10.7	83	0.2	15.7	9.4	218	3.16	7.2	1.1	1.2	3.3	16	<0.1	0.4	0.2	60	0.08
REP 882119	QC		5.8	28.7	10.5	93	0.2	16.1	10.1	227	3.20	7.3	1.0	0.9	3.2	17	0.2	0.5	0.2	61	0.09
882352	Soil	0.20	0.6	11.8	5.2	99	<0.1	12.2	6.9	844	1.88	3.3	0.3	1.4	0.6	31	0.8	0.3	<0.1	37	0.22
REP 882352	QC		0.6	12.2	5.6	98	<0.1	11.4	7.2	818	1.83	3.4	0.3	1.0	0.6	30	0.6	0.4	<0.1	37	0.23
882357	Soil	0.30	0.7	9.5	4.3	92	<0.1	10.0	4.9	267	1.69	3.1	0.3	1.4	0.8	19	0.3	0.3	<0.1	37	0.17
REP 882357	QC		0.6	11.4	3.9	97	<0.1	10.1	4.7	277	1.74	3.3	0.3	1.8	0.9	20	0.2	0.3	<0.1	38	0.17

QUALITY CONTROL REPORT

SMI07000331.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Pulp Duplicates																		
881900	Soil	0.075	10	18	0.35	141	0.033	<1	1.10	0.009	0.06	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5
REP 881900	QC	0.077	10	19	0.36	140	0.035	<1	1.12	0.010	0.07	0.1	0.03	3.0	<0.1	<0.05	4	<0.5
881922	Soil	0.092	8	18	0.29	177	0.035	1	1.32	0.009	0.06	0.2	0.02	2.5	<0.1	<0.05	5	<0.5
REP 881922	QC	0.090	9	18	0.28	183	0.038	<1	1.32	0.008	0.06	0.2	0.02	2.5	<0.1	<0.05	5	<0.5
881947	Soil	0.036	10	18	0.39	153	0.062	2	1.10	0.012	0.07	0.3	0.02	2.9	0.1	<0.05	4	<0.5
REP 881947	QC	0.034	9	17	0.36	149	0.051	1	1.05	0.011	0.07	0.2	0.03	2.6	<0.1	<0.05	4	<0.5
881954	Soil	0.227	8	17	0.26	331	0.035	4	1.05	0.010	0.11	0.2	0.03	2.3	<0.1	<0.05	3	<0.5
REP 881954	QC	0.225	7	17	0.26	335	0.038	3	1.08	0.010	0.10	0.1	0.03	2.5	<0.1	<0.05	3	<0.5
881974	Soil	0.072	9	21	0.43	164	0.063	2	1.24	0.014	0.09	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5
REP 881974	QC	0.072	9	21	0.44	166	0.059	2	1.24	0.014	0.09	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5
882004	Soil	0.091	7	16	0.27	142	0.008	<1	1.29	0.008	0.04	0.1	0.02	2.2	<0.1	<0.05	5	<0.5
REP 882004	QC	0.094	7	17	0.28	150	0.029	1	1.44	0.008	0.05	0.2	0.04	2.3	<0.1	<0.05	5	<0.5
882016	Soil	0.058	9	19	0.29	133	0.024	<1	1.81	0.008	0.04	0.2	0.02	2.3	0.1	<0.05	6	<0.5
REP 882016	QC	0.057	9	19	0.30	137	0.021	<1	1.91	0.008	0.04	0.1	0.03	2.2	0.1	<0.05	6	<0.5
882021	Soil	0.064	12	23	0.33	109	0.037	<1	2.41	0.009	0.05	0.2	0.06	3.2	<0.1	<0.05	7	<0.5
REP 882021	QC	0.063	12	23	0.32	106	0.041	<1	2.33	0.009	0.05	0.2	0.04	3.0	0.1	<0.05	6	<0.5
882065	Soil	0.134	6	21	0.31	162	0.026	<1	1.99	0.010	0.06	<0.1	0.05	2.7	<0.1	<0.05	5	<0.5
REP 882065	QC	0.136	6	22	0.32	161	0.030	1	2.04	0.010	0.06	0.2	0.05	2.8	<0.1	<0.05	6	<0.5
882082	Soil	0.083	6	19	0.32	120	0.041	2	1.33	0.009	0.05	0.4	0.01	2.5	<0.1	<0.05	5	<0.5
REP 882082	QC	0.083	6	18	0.32	121	0.035	<1	1.31	0.012	0.05	0.1	0.03	2.6	<0.1	<0.05	5	<0.5
882104	Soil	0.069	12	15	0.38	103	0.061	1	1.28	0.009	0.06	0.2	0.02	2.3	<0.1	<0.05	7	<0.5
REP 882104	QC	0.071	12	16	0.41	108	0.069	<1	1.41	0.009	0.06	0.3	0.02	2.5	0.1	<0.05	7	<0.5
882119	Soil	0.143	8	22	0.31	144	0.031	<1	2.23	0.011	0.05	0.2	0.03	3.1	<0.1	<0.05	7	<0.5
REP 882119	QC	0.138	8	21	0.32	147	0.033	<1	2.17	0.010	0.05	0.3	0.03	3.0	<0.1	<0.05	7	<0.5
882352	Soil	0.070	6	15	0.25	162	0.033	1	0.87	0.011	0.05	<0.1	0.04	1.8	<0.1	<0.05	3	<0.5
REP 882352	QC	0.073	6	14	0.25	153	0.032	1	0.84	0.010	0.05	0.1	0.03	1.9	<0.1	<0.05	3	0.6
882357	Soil	0.056	6	14	0.23	125	0.032	1	0.88	0.009	0.05	0.1	0.02	2.1	<0.1	<0.05	3	<0.5
REP 882357	QC	0.056	6	14	0.23	132	0.034	2	0.87	0.009	0.05	0.2	0.02	2.1	<0.1	<0.05	3	<0.5

QUALITY CONTROL REPORT

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		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
808380	Silt	1.00	1.6	23.1	6.6	70	<0.1	138.7	16.6	802	2.77	10.5	1.2	0.5	1.9	49	0.3	0.6	0.1	61	0.49
REP 808380	QC		1.4	24.1	6.8	73	<0.1	138.9	16.8	875	2.76	10.6	1.3	4.3	1.9	49	0.3	0.6	0.2	59	0.52
Reference Materials																					
STD DS7	Standard		20.9	105.5	58.0	384	0.8	53.6	9.7	618	2.26	47.2	4.5	61.0	4.1	67	5.9	5.2	4.1	89	0.92
STD DS7	Standard		20.4	105.4	62.2	403	0.8	50.4	9.4	615	2.35	50.1	4.6	74.3	4.0	67	6.2	5.7	4.1	86	0.97
STD DS7	Standard		20.9	106.6	61.6	400	0.8	57.0	9.3	634	2.42	48.5	4.5	70.9	4.1	65	6.0	5.5	4.0	87	0.90
STD DS7	Standard		19.9	96.4	63.9	368	0.8	52.8	9.1	596	2.26	43.2	4.6	60.1	4.2	65	5.8	5.7	4.4	81	0.89
STD DS7	Standard		20.4	104.9	65.4	384	0.9	55.8	9.4	595	2.27	41.8	4.7	60.9	4.3	66	5.7	5.4	4.4	81	0.89
STD DS7	Standard		19.7	103.3	70.2	394	0.9	51.0	8.5	633	2.32	49.8	4.9	63.5	4.6	79	5.9	6.1	4.6	75	0.96
STD DS7	Standard		20.9	107.0	66.4	397	0.9	52.9	9.6	623	2.42	52.6	4.9	69.4	4.1	69	6.8	5.5	4.7	86	0.97
STD DS7	Standard		18.7	103.4	69.7	381	0.8	51.3	8.7	608	2.31	47.5	4.8	56.7	4.2	74	5.8	5.9	4.6	84	0.87
STD DS7 Expected			20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	9.6	5.6	3.1	34	<0.1	2.9	3.1	365	1.40	<0.5	4.6	1.4	8.2	38	<0.1	<0.1	0.2	26	0.51



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Project: Megamine
Report Date: December 07, 2007

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
808380	Silt	0.104	12	104	1.06	125	0.043	2	1.20	0.016	0.06	0.2	0.04	4.0	0.1	<0.05	4	<0.5
REP 808380	QC	0.104	12	108	1.06	131	0.043	2	1.22	0.016	0.06	0.2	0.03	4.1	0.1	<0.05	4	<0.5
Reference Materials																		
STD DS7	Standard	0.073	12	190	1.01	361	0.117	36	1.05	0.098	0.42	3.8	0.19	2.5	4.2	0.19	5	3.6
STD DS7	Standard	0.078	12	199	1.04	382	0.124	41	1.02	0.094	0.44	3.6	0.21	2.5	4.3	0.18	5	2.8
STD DS7	Standard	0.071	12	187	1.03	387	0.122	34	0.99	0.088	0.46	3.6	0.20	2.4	4.2	0.21	5	3.0
STD DS7	Standard	0.071	13	177	1.02	365	0.106	37	0.95	0.078	0.40	4.1	0.18	2.3	4.4	0.17	5	3.6
STD DS7	Standard	0.068	13	188	1.01	356	0.112	36	0.96	0.076	0.41	3.9	0.20	2.2	4.0	0.20	5	3.5
STD DS7	Standard	0.077	14	175	1.02	396	0.104	42	1.02	0.085	0.48	3.6	0.21	2.3	4.2	0.18	5	3.7
STD DS7	Standard	0.076	11	193	1.07	364	0.115	35	1.02	0.092	0.45	4.1	0.19	2.6	4.3	0.22	5	3.7
STD DS7	Standard	0.072	12	182	0.99	375	0.115	36	0.97	0.086	0.44	4.1	0.18	2.3	4.5	0.16	5	3.9
STD DS7 Expected		0.08	12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank	0.141	8	20	0.37	78	0.050	<1	0.61	0.024	0.25	0.3	<0.01	1.1	0.2	<0.05	3	<0.5