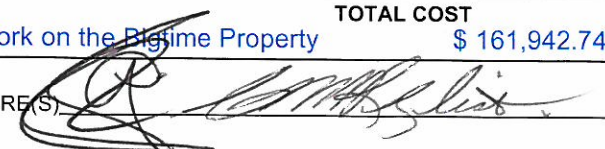


Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

**ASSESSMENT REPORT
TITLE PAGE AND SUMMARY**

TITLE OF REPORT [type of survey(s)] **TOTAL COST**
Assessment Report on Geological, Geochemical and Geophysical Work on the Bigtime Property \$ 161,942.74

AUTHOR(S) Gwendolen Ditson, Mark Rebagliati SIGNATURE(S) 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) MX-GEN-116; 09-1300516-0708; July 8, 2009 YEAR OF WORK 2009

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) Event # 4439308/December 28, 2009

PROPERTY NAME BIGTIME

CLAIM NAME(S) (on which work was done) BIGTIME 3 (547226), BIGTIME 5 (547229), BIGTIME 7 (604988),
BIGTIME 8 (604989), and BIGTIME 12 (606834)

COMMODITIES SOUGHT Cu, Mo

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN 093M 146

MINING DIVISION Omineca NTS 93M/16

LATITUDE 55 ° 53 ' 15 " LONGITUDE 126 ° 04 ' 58 " (at centre of work)

OWNER(S)

1) Amarc Resources Ltd. 2) _____

MAILING ADDRESS

1020 - 800 W. Pender St.
Vancouver, B.C. V6C 2V6

OPERATOR(S) [who paid for the work]

1) Amarc Resources Ltd. 2) _____

MAILING ADDRESS

1020 - 800 W. Pender St.
Vancouver, B.C. V6C 2V6

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Middle to Lower Jurassic Hazelton Group mafic flows and fragmentals

Felsic dykes, diorites, megacrystic gabbro-diorite, and granodiorite intrusions

Ankeritic shear zones with cupriferous sulphides in narrow quartz veins

Disseminated Cu and elevated Mo associated with sub-parallel felsic dykes intruding mafic volcanics

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS 04725

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	1 : 10,000 scale; 6 square km	547226, 547229, 604988, 604989, 606834	\$ 7,669.70
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization	11.7 km	547226, 547229	\$ 58,179.16
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil	519	547226, 547229	\$ 48,764.81
Silt			
Rock	184	547224, 547226, 547229, 604991, 604988	\$ 15,654.85
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)	11.7 km	547226, 547229	\$ 31,674.22
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST			\$ 161,942.74

Assessment Report on
Geological, Geochemical and Geophysical Work
on the Bigtime Property

BC Geological Survey
Assessment Report
31410

Omineca Mining Division

Claims: Bigtime 3, 5, 7, 8 and 12
Tenure Numbers: 547226, 547229, 604988, 604989 and 606834
Owner/Operator: Amarc Resources Ltd.

NTS: 93M/16
BCGS: 093M.090

Work program centred at approximately:

55 ° 53' 15" N Latitude and 126° 04' 58" W Longitude
6,197,408 m N and 682,442 m E; UTM NAD 83, Zone 9

Authors:

Gwendolen Ditson, M.Sc., P.Geo.
Mark Rebagliati, P.Eng.

March 18, 2010

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1.0 SUMMARY

The Bigtime property is located in central British Columbia, in the Omineca Mining Division, approximately 200 km northwest of Fort St. James, B.C., on NTS map sheet 93M/16. The property is accessible only by helicopter; the nearest road is 7 km from the area of interest.

The current program consisted of geological mapping, prospecting, rock and soil sampling, and an Induced Polarization survey.

The Bigtime claims are underlain primarily by the Hazelton Group, a Lower to Middle Jurassic sequence of subaerial to submarine calc-alkaline island arc volcanic and sedimentary rocks. Cretaceous to Eocene volcanic and sedimentary rocks – probable Skeena or Ootsa Lake equivalents – are also present. Intrusive rocks include felsic dykes, diorites, megacrystic gabbro-diorites, and granodiorite.

Mineralization encountered in the 2009 season includes a weakly mineralized quartz stockwork, several ankerite-bearing shear zones with Cu-bearing sulphides in quartz veinlets, and an area of disseminated Cu mineralization and elevated Mo associated with multiple sub-parallel felsic dykes intruding Hazelton mafic flows and tuffs.

Soil sampling revealed four areas of anomalous metal content. One area is characterized by coincident anomalous Cu-Mo soil geochemistry in the area of Cu(-Mo) mineralization observed in and around felsic dykes. Three additional areas consist of anomalous Cu-As(-Au-Ag) geochemistry that is sourced from mineralized shear zones.

Induced polarization and resistivity indicate that the area of dyke-related Cu-Mo mineralization is associated with high resistivity believed to represent siliceous alteration of intruded volcanic rocks. A zone of high chargeability partially coincides with anomalous geochemistry and high resistivity, and flanks them to the north.

Mineralized shear zones and disseminated, porphyry-style mineralization associated with felsic dykes should be drill-tested in order to assess their full potential.

2.0 INTRODUCTION

This report documents the results of geological mapping and prospecting, soil sampling, and an Induced Polarization survey conducted on the Bigtime claims between July 14 and August 7th, 2009.

3.0 LOCATION AND ACCESS

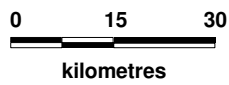
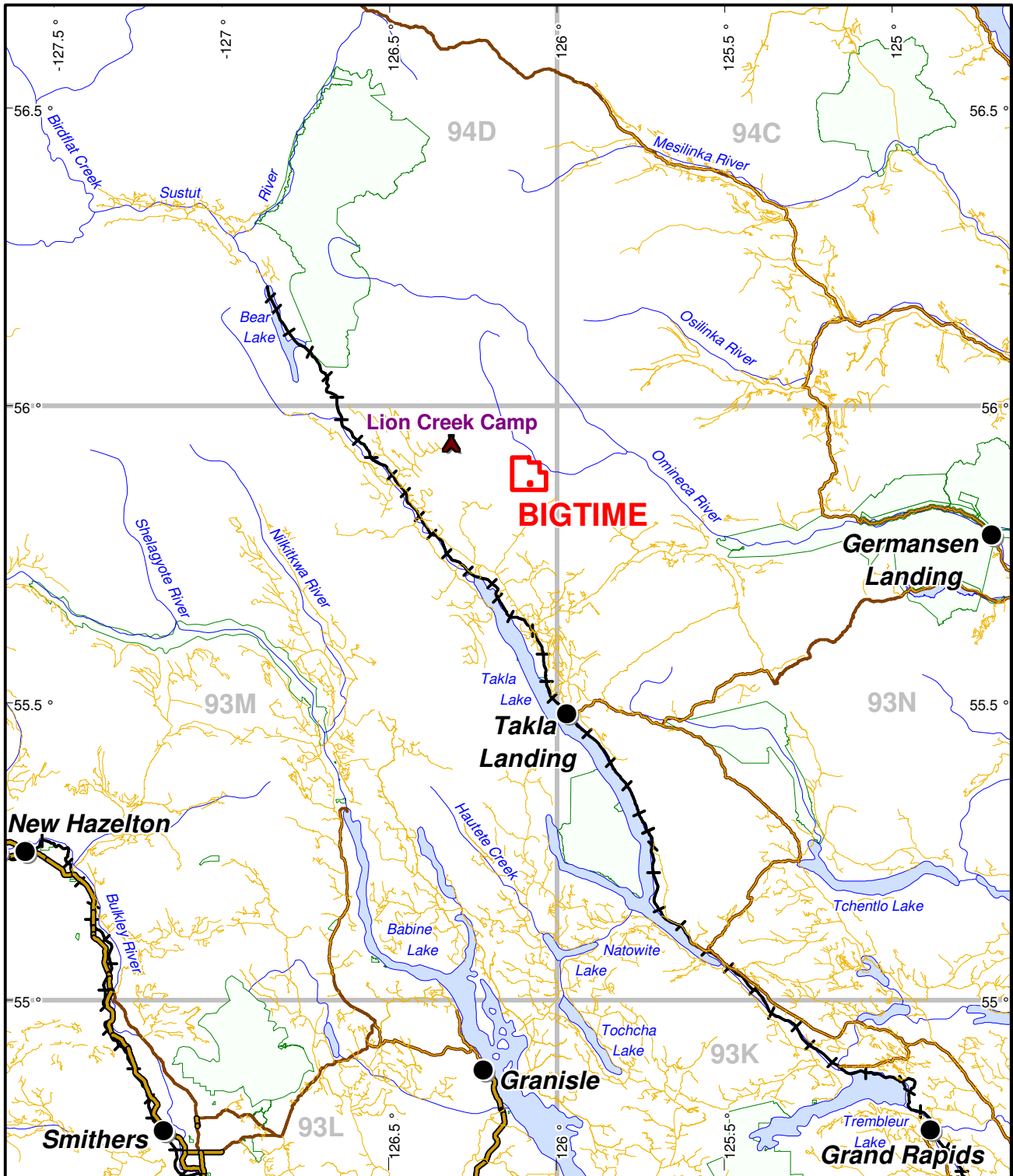
The Bigtime project is situated in central British Columbia in the Omineca Mining Division. The property is located on NTS map 93M/16 and BCGS map 093M.090. The centre of the target area is approximately 200 km northwest of Fort St. James, B.C., at 55° 53' 15" N Latitude, 126° 04' 58" W Longitude; or UTM NAD 83, Zone 9, at 6197408 m N, 682442 m E (Figure 3.1).






The Bigtime claims are located approximately 7 km from the nearest Forest Service road. Crews were mobilized by helicopter from a temporary camp at Lion Creek, located 15 km northwest of the work area (Figure 3.1). Lion Creek Camp was accessible from Fort St. James via the Tachie Highway northwest from Fort St. James to the Leo Creek Forest Service Road (FSR), Driftwood FSR, then northeast on the Kaza Lake Road. The camp was situated in a clearing adjacent to the road where the Kaza Lake Road crosses Lion Creek.

4.0 PHYSIOGRAPHY AND CLIMATE

The Bigtime claims are situated in the Fort St. James Forest District of the Northern Interior Forest Region. The general topography is mountainous. Elevations range from 975 to 1,800 m above sea level. Most of the property is forested with alpine fir and lesser spruce. Upper elevations transition to sub-alpine and alpine environments with local areas of dense scrub balsam.

Average temperatures in Fort St. James are 18.2°C in summer and -11.3°C in winter, with annual rainfall averaging 29.5 cm and annual snowfall averaging 192.3 cm, respectively (Environment Canada Climate Weather Office Public Website http://www.climate.weatheroffice.ec.gc.ca/climate_normals/index_1961_1990_e.html).



-  Park
-  Paved road
-  Gravel road
-  Railway
-  Logging roads



Amarc Resources Ltd.

BIGTIME

Property Location

NTS: 93M	Figure 3.1
Date: March 4, 2010	Scale 1 : 1 100 000
BIGT_loco_Feb2410.WOR	Plotted by : GMD
UTM NAD83, Zone 9	

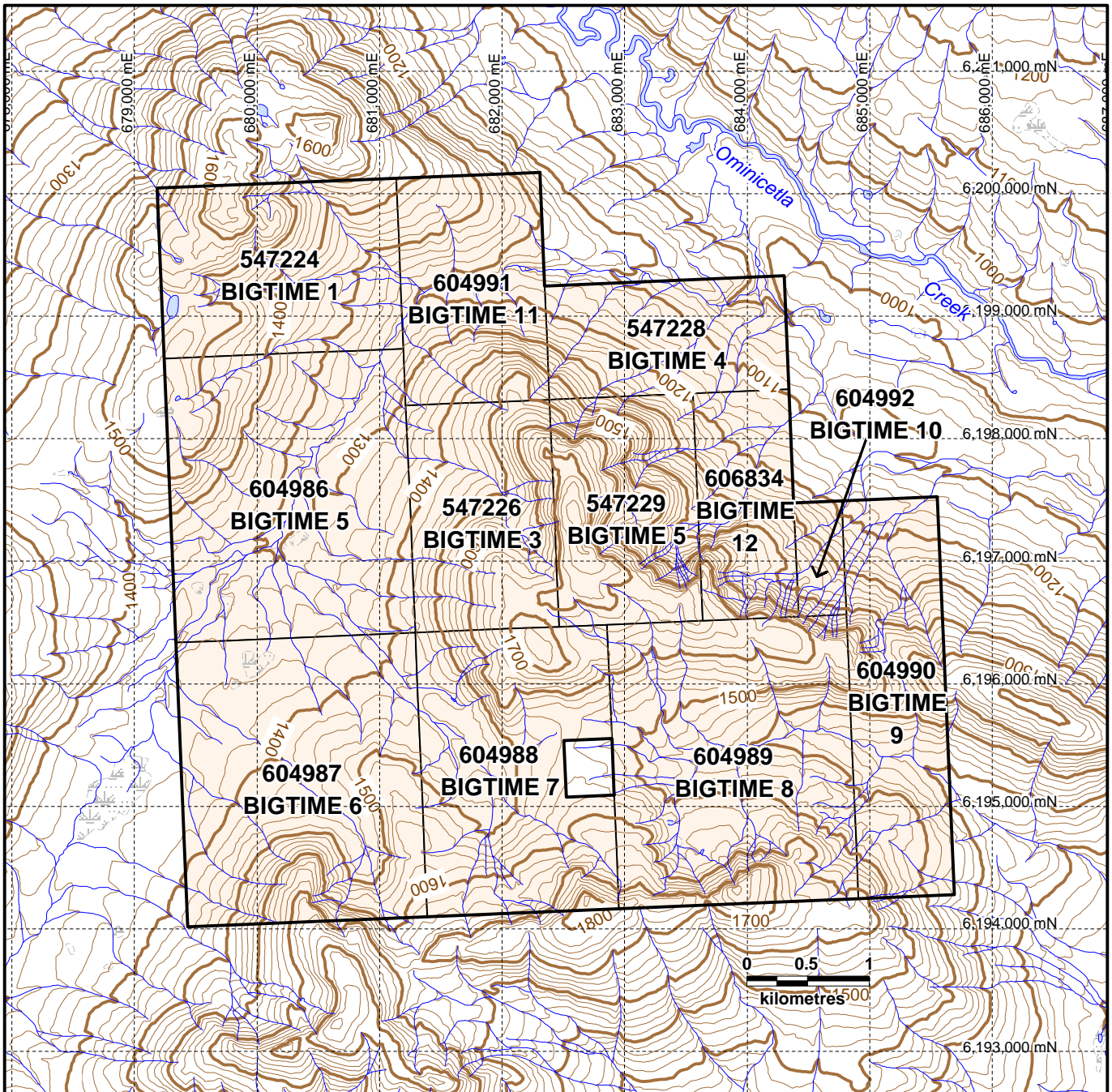
5.0 CLAIMS


The Bigtime property consists of 12 claims comprising an area of approximately 3249 hectares (Figure 5.1). All claims are owned by Amarc Resources Ltd., who is also the operator. The claims are also the object of an Option agreement with Falkirk Resources Corp. A complete list of the project claims is contained in Table 5.1, below. Work was performed on the BIGTIME 3, 5, 7, 8 and 12 claims, highlighted in Table 5.1 in bold type.

Table 5.1 Bigtime claims

Tenure No.	Claim Name	Owner	Date Recorded	Expiry Date*	Area (ha)
547224	BIGTIME 1	Amarc Resources Ltd.	2006/Dec/11	2018/Sep/05	272.1253
547226	BIGTIME 3	Amarc Resources Ltd.	2006/Dec/11	2019/Dec/31	217.7977
547228	BIGTIME 4	Amarc Resources Ltd.	2006/Dec/11	2018/Sep/05	181.4306
547229	BIGTIME 5	Amarc Resources Ltd.	2006/Dec/11	2019/Dec/31	217.7879
604986	BIGTIME 5	Amarc Resources Ltd.	2009/May/26	2018/Sep/05	453.7297
604987	BIGTIME 6	Amarc Resources Ltd.	2009/May/26	2018/Sep/05	453.9643
604988	BIGTIME 7	Amarc Resources Ltd.	2009/May/26	2018/Sep/05	345.0071
604989	BIGTIME 8	Amarc Resources Ltd.	2009/May/26	2018/Sep/05	453.9441
604990	BIGTIME 9	Amarc Resources Ltd.	2009/May/26	2018/Sep/05	254.1825
604991	BIGTIME 11	Amarc Resources Ltd.	2009/May/26	2018/Sep/05	217.7065
604992	BIGTIME 10	Amarc Resources Ltd.	2009/May/26	2018/Sep/05	36.3019
606834	BIGTIME 12	Amarc Resources Ltd.	2009/Jun/30	2018/Sep/05	145.19

*Expiry date upon acceptance of this report.



 Amarc Resources Ltd. BIGTIME Claims	
BCGS: 093M.090,100 NTS: 93M/16	Figure 5.1
Date: February 24, 2010	Scale: 1 : 50 000
BIGT_claims_Feb2410.WOR UTM NAD83, Zone 9	Plotted by : GMD

6.0 EXPLORATION HISTORY

Silt and soil geochemical surveys were undertaken on Bigtime by Amarc Resources in 2007 and 2008. A summary of work filed for assessment on or near Bigtime is listed in Table 6.1. Assessment report 4725 covers a large portion of the current Bigtime claims.

Table 6.1 Exploration History

Report	Year	Operator	Work Done/Recommendations
3769 (on adjacent ground)	1972	Canadian Superior	Soil sampling and magnetic survey on Carr group indicates >100 ppm Cu & >10 ppm Mo over an area 1200 x 600 m in a magnetic low, adjacent to a magnetic high.
4725	1973	Luc Syndicate	Mapping and silt & soil geochemistry on the Lion claims identify three showings, several silicified gossan zones, and anomalous Cu and Ag in soil. Reconnaissance IP survey shows weak anomalies on some lines but is inconclusive.

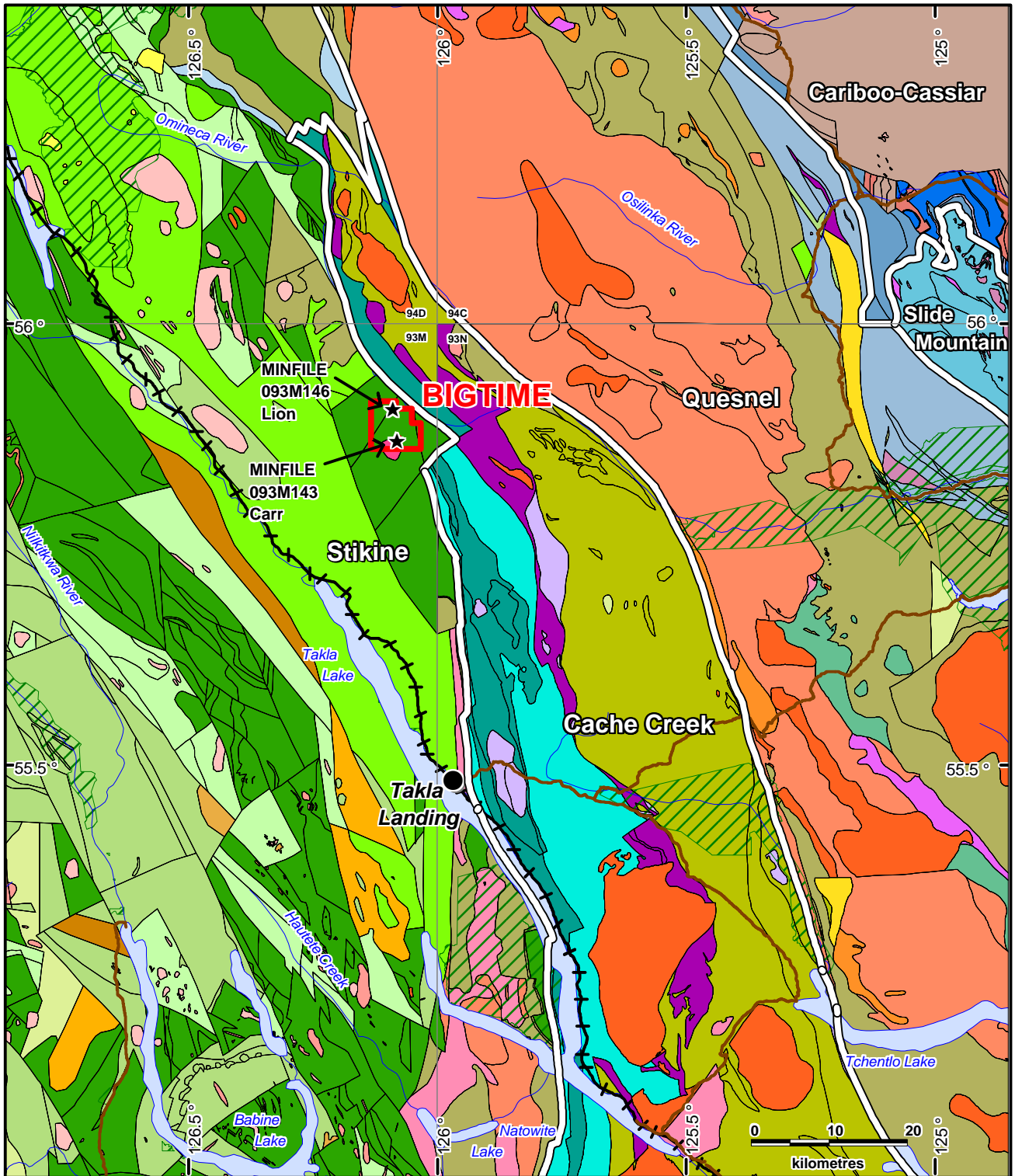
The MINFILE shows two occurrences in and near the Bigtime claims, Lion and Carr (093M146 and 093M143, respectively; Figure 7.1). The Lion occurrence is described in assessment report 4725 as three separate chalcopyrite-bearing showings which yielded up to 3.21% Cu from hand-picked samples. The Carr occurrence consists of weak chalcopyrite and molybdenite associated with a soil anomaly.






7.0 REGIONAL GEOLOGY

The Bigtime targets are underlain by the Hazelton Group, a sequence of subaerial to submarine calcalkaline island arc volcanic and sedimentary rocks, on the eastern boundary of the Stikine Terrane (Figures 7.1 and 7.2). The Hazelton Group is bounded on the west by Upper Cretaceous to Eocene Sustut Group sedimentary rocks, and on the east by the Sitlika assemblage, containing metavolcanic and metasedimentary rocks of the Cache Creek Terrane.

Hazelton Group rocks can be sub-divided into three formations: Telkwa, Nilkitkwa and Smithers. The lowermost Telkwa Formation is composed of submarine and subaerial pyroclastics and lava flows with variable composition from andesite to rhyolite. The Nilkitkwa Formation conformably overlies the Telkwa and consists of a transgressive sequence of marine sedimentary and submarine volcanic rocks. The Smithers formation is a shallow marine, fossiliferous sandstone and siltstone that disconformably overlies the Nilkitkwa Formation (Wojdak, P., 1998).

Soil and glacial till cover is extensive and generally shallow. Overall bedrock exposure is poor to moderate, but is locally abundant in some stream gullies, as well as on steep upper slopes and ridge tops.



-  Park
-  Terrane boundary
-  Gravel road
-  Railway
-  MINFILE occurrence

Geological Legend on Figure 7.2



Amarc Resources Ltd.

BIGTIME
Regional Geology
BCGS (2005)

Date: March 3, 2010





BIGT_reggeol_Feb2410.WOR
 UTM NAD83, Zone 9

Figure 7.1






Scale as shown

Plotted by : GMD



**POST-ACCRETIONARY
INTRUSIVE ROCKS**

- Eocene**
 quartz diorite, granodiorite,
 porphyritic and felsitic intrusions
- Early to Middle Cretaceous**
 granodiorite, granite, lesser pegmatite,
 quartz monzonite, monzogranite,
 gabbro, diorite
- Late Jurassic**
 diorite
- Middle to Late Jurassic**
 syenite, granite, granodiorite, quartz
 diorite, quartz monzonite, monzogranite,
 diorite, gabbro







OVERLAP STRATIGRAPHY

- Nechako Plateau Group**
- Eocene**
 volcanoclastic/pyroclastic
 volcanic rocks
- Upper Cretaceous to Eocene**
 sedimentary rocks
- Sustut Group**
- Upper Cretaceous to Eocene**
 sedimentary rocks
- Skeena Group**
- Early Cretaceous**
 sedimentary and volcanic rocks
- Bowser Lake Group**
- Middle Jurassic to Late Cretaceous**
 sedimentary and volcanic rocks







STIKINE TERRANE

- Hazelton Group**
- Early to Middle Jurassic**
 volcanic and sedimentary rocks
- Takla Group**
- Late Triassic**
 volcanic and sedimentary rocks

QUESNEL TERRANE

- Chuchi Lake/Twin
Creek Successions**
- Early Jurassic**
 volcanic rocks
- Hogem Plutonic Suite**
- Early Jurassic**
 syenite, monzonite, quartz
 monzonite, monzogranite
- Late Triassic to Early Jurassic**
 gabbro to diorite
- Various Complexes/Suites**
- Late Triassic to Early Jurassic**
 ultramafic/serpentinitic rocks
- Takla Group**
- Triassic to Jurassic**
 volcanic and sedimentary rocks
- Lay Range Assemblage**
- Early Mississippian to Late Permian**
 volcanic and sedimentary rocks




CACHE CREEK TERRANE


- Sitlika Assemblage**
- Early Permian to Early Triassic**
 tonalite, diorite
- Late Triassic to Early Jurassic**
 sedimentary rocks
- Permian to Jurassic**
 metavolcanic rocks
- Cache Creek Complex**
- Early Permian to Late Triassic**
 Rubyrock Igneous Complex
 gabbro, diorite, diabase, basalt
- Late Pennsylvanian to Late Triassic**
 Trembleur Ultramafite Unit
 ultramafic/serpentinitic rocks
- Pennsylvanian to Late Jurassic**
 sedimentary and volcanic rocks

SLIDE MOUNTAIN TERRANE

- Nina Creek Group**
- Mississippian to Permian**
 sedimentary and volcanic rocks

CARIBOO-CASSIAR TERRANE

- Big Creek Group**
- Late Devonian to Late Permian**
 sedimentary and volcanic rocks
- Razorback/Echo Lake Groups**
- Cambrian to Devonian**
 carbonate and clastic sediments
- Ingenika Group**
- Upper Proterozoic**
 sedimentary rocks

 Amarc Resources Ltd.	
BIGTIME	
Geological Legend	
Figure 7.2	
Date: February 24, 2010	
BIGT_reggeol_Feb2410.WOR UTM NAD83, Zone 9	Plotted by : GMD

8.0 PROPERTY GEOLOGY

Dr. J. Oliver conducted geological mapping in an area approximately 2.5 km x 2.5 km between July 19 and July 27, 2009. The information below has been extracted from Dr. Oliver's field notes.

Hazelton Group

The majority of rocks in the mapped area are volcanic and lesser sedimentary rocks of the Middle to Lower Jurassic Hazelton Group. Units encountered are as follows:

Bedded argillites and mafic ash tuffs. This uppermost unit consists of a thin sequence of interbedded argillites, mafic ash tuffs and rarely epidotized, thinly compositionally-laminated, calcareous tuffs. Beds range in width from a few millimeters to a few centimeters. The section is likely capped by a discontinuous, green-weathering, polyolithic pebble conglomerate which is not equivalent to hematitic epiclastics, described below.

Undifferentiated mafic flows and fragmentals. This map unit consists of thick sequences of dark green to brown-green weathering, autogenous, monolithic flow breccias, heterolithic lapilli fragmentals, and pyroxene plus or minus olivine phenocrystic, massive, non-pillowed flow sequences.

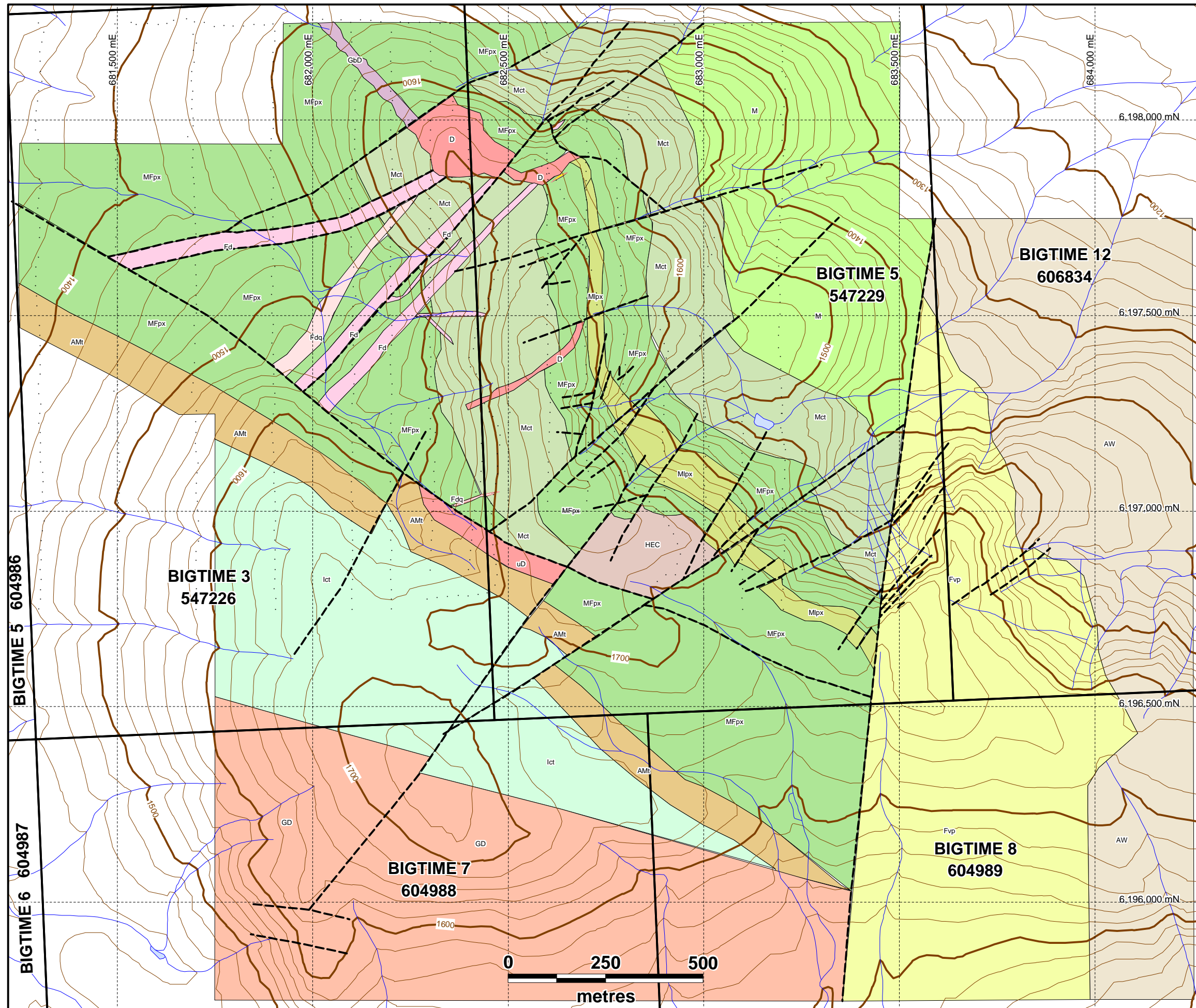
Pyroxene porphyritic mafic flows. These volcanics consist of dark green-weathering, pyroxene porphyritic mafic flows. Numerous locales may contain small vitric green olivine (zoisite) grains. There is abundant primary euhedral disseminated magnetite. The groundmass is commonly aphanitic, quenched and light grey in colour. Pillowed forms were never identified.

Pyroxene-rich mafic fragmentals. These rocks are generally monolithologic, angular lapilli to agglomerate-sized mafic fragmentals. Fragments are commonly lighter cream in appearance than the enclosing matrix and may be preferentially epidotized. Both fragments and matrix contain abundant pyroxene. No stratification was noted.

Mafic crystal tuffs. This unit consists of very fine-grained, tuffaceous volcanics characterized by high percentages (~70%) broken, abraded, non-aligned plagioclase feldspars. Pyroxene flecks are locally noted, but rare. The matrix is non-crystalline, and sandy. These tuffs are rarely stratified, although minor coarser-grained, tuffaceous beds, including buff-weathering volcanic wackes, are noted.

Skeena or Ootsa Lake Equivalents

Younger volcanics occur in the south-central sector and along the eastern side of the mapped area. These rocks are Cretaceous to Eocene in age, and are Skeena or Ootsa Lake equivalents.



SUPRACRUSTAL ROCKS

- CRETACEOUS TO EOCENE
Skeena or Ootsa Lake Equivalent
- KE Fvp** Plagioclase porphyritic felsic flows
 - KE AW** Argillaceous wackes
 - KE lct** Intermediate crystal tuffs
 - KE HEC** Hematitic epiclastics

- MIDDLE TO LOWER JURASSIC
Probable Hazelton Group
- J AMt** Bedded argillites and mafic ash tuffs
 - J M** Undifferentiated mafic flows and fragmentals
 - J Mfpx** Pyroxene porphyritic mafic flows
 - J Mlpx** Pyroxene-rich mafic fragmentals
 - J Mct** Mafic crystal tuffs

- INTRUSIVE ROCKS**
(No inferred age relations)
- Fd** Felsic dykes
 - Fdq** Felsic dykes - strongly quartz porphyritic
 - D, uD** Diorites and micro-diorites
 - GbD** Megacrystic gabbro-diorites
 - GD** Granodiorite

----- Fault

• Soil sample location

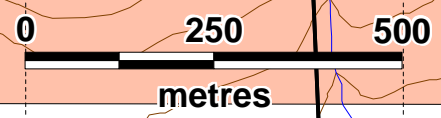


Geology by J. Oliver, Ph.D., P.Geo.

Amarc Resources Ltd.
BIGTIME

Property Geology

NTS: 93M/16	BCGS: 93M.090	Figure 8.1
Date: March 1, 2010		Scale: 1 : 10 000
BIGT_Geology_Feb2510.WOR		Plotted by : GMD
UTM NAD83, Zone 9		



Plagioclase porphyritic felsic flows. These volcanics are brick red to maroon-grey plagioclase porphyritic, non-vesicular, subaerial flows. They are characterized by an aphanitic, quenched groundmass of microlithic quartz-feldspar. There are minor textural and compositional variations, including the development of hornblende and plagioclase phenocrysts.

Argillaceous wackes. These sediments are muddy brown-weathering, thick (25-50 cm) bedded, argillaceous wackes and fine-grained volcanically-derived sandstones. They are recessive-weathering, forming distinctive topographic benches and plateaus.

Intermediate crystal tuffs. These are thick, non-stratified, light grey-weathering plagioclase crystal tuffs. Locally small, centimeter to sub-centimeter, well-rounded lithic clasts are present. They contain abundant disseminated magnetite grains.

Hematitic epiclastics. This unit consists of well-rounded, poorly-sorted, clast-supported epiclastics. Heterolithic clasts are pebble to cobble-sized and the matrix infill is sandy and hematitic. Rocks are dark maroon to brick red-weathering, non-foliated, and poorly stratified. These are unconformable subaerial lag deposits.

Intrusive Rocks

There are five different intrusive rock types mapped. Age relationships are uncertain.

Felsic dykes. Very fine-grained tan to buff/cream-weathering felsic dykes.. No crystal forms are recognized within very fine-grained aphanitic matrices. These rocks are commonly crackle-brecciated by hairline quartz-sulphide micro-veinlets. Both copper and iron oxides have been identified with this unit.

Felsic dykes – strongly quartz porphyritic. Light cream to buff/cream-weathering, quartz porphyritic felsic dykes. Quartz phenocrysts up to 0.75 cm in diameter are characteristic of these intrusions. Plagioclase is frequently altered and partially replaced by apple-green sericite. Small sulphide-deficient quartz veins with pale cream to pink (hematite) haloes are present. Both copper and iron oxides have been identified within these intrusions.

Diorites and micro-diorites. Medium to very fine-grained, non-foliated, dioritic intrusions. Equant hornblende occurs within a well-formed, interlocking crystalline matrix. Disseminated pyrite is present in fault-emplaced diorite dykes. Passively emplaced diorite dykes have much lower disseminated sulphide content and matrix alteration. Development of deep orange-brown oxides is commonly present at intrusive-supracrustal fault contacts.

Megacrystic gabbro-diorites. These intrusions are characterized as non-foliated, very coarse-grained to locally megacrystic gabbro-diorite. Centimeter-scale pyroxenes plus or minus felted amphiboles occur in a light grey-cream non-foliated rock matrix. Contact relationships are highly irregular. These intrusions are potential early feeders to pyroxene porphyritic mafic flows.

Granodiorite. This intrusion is coarse to medium-grained, non-foliated, hornblende, biotite and potassium to sodium feldspar granodiorite. Free quartz phenocrysts on average exceed 10% by volume. In quartz diorite to quartz monzonite sub-members, free quartz decreases to < 10%. Granodiorite is strongly magnetic, containing abundant disseminated magnetite grains. There are no macro-scale indicators of significant hydrothermal alteration associated with this intrusion.

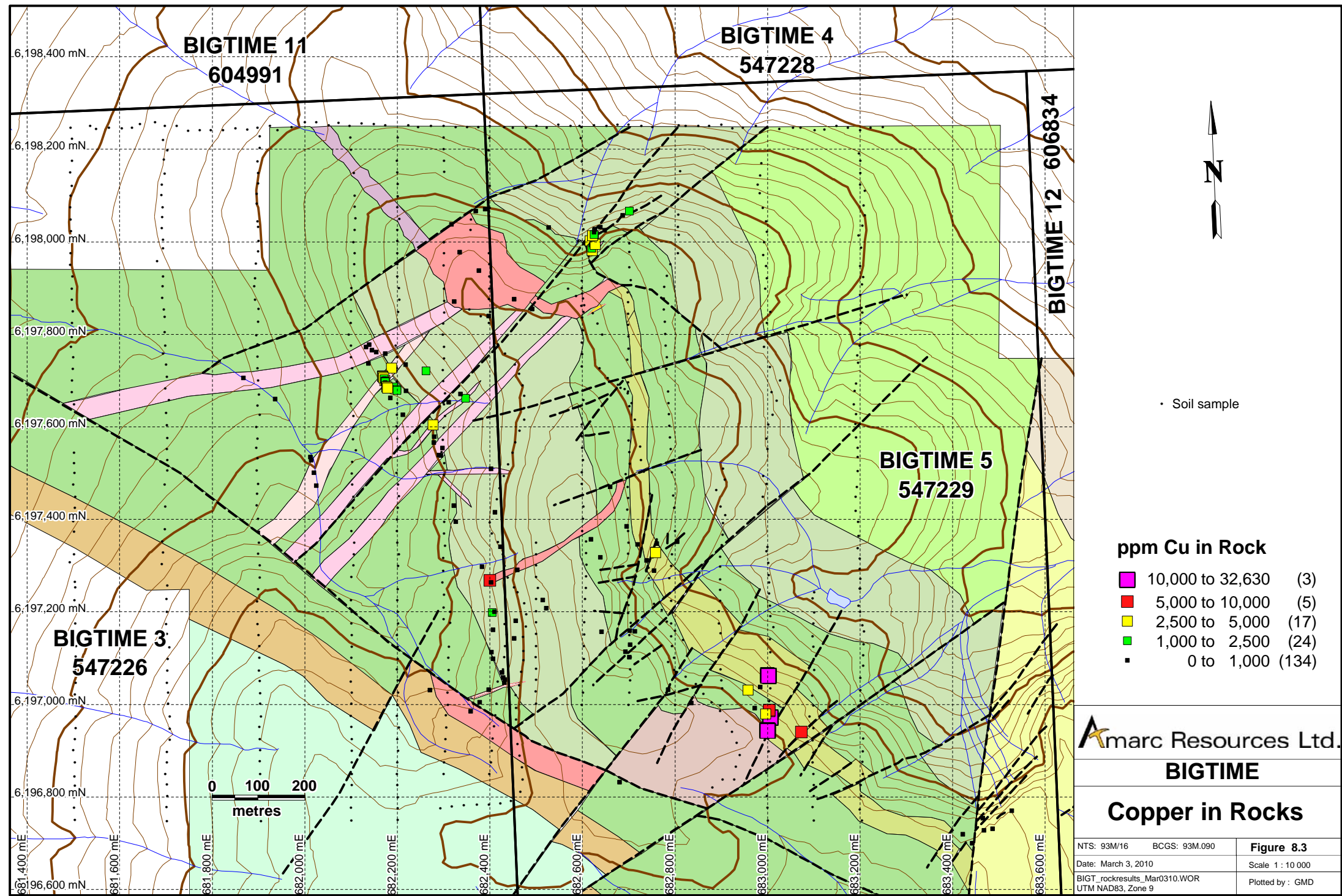
Mineralization

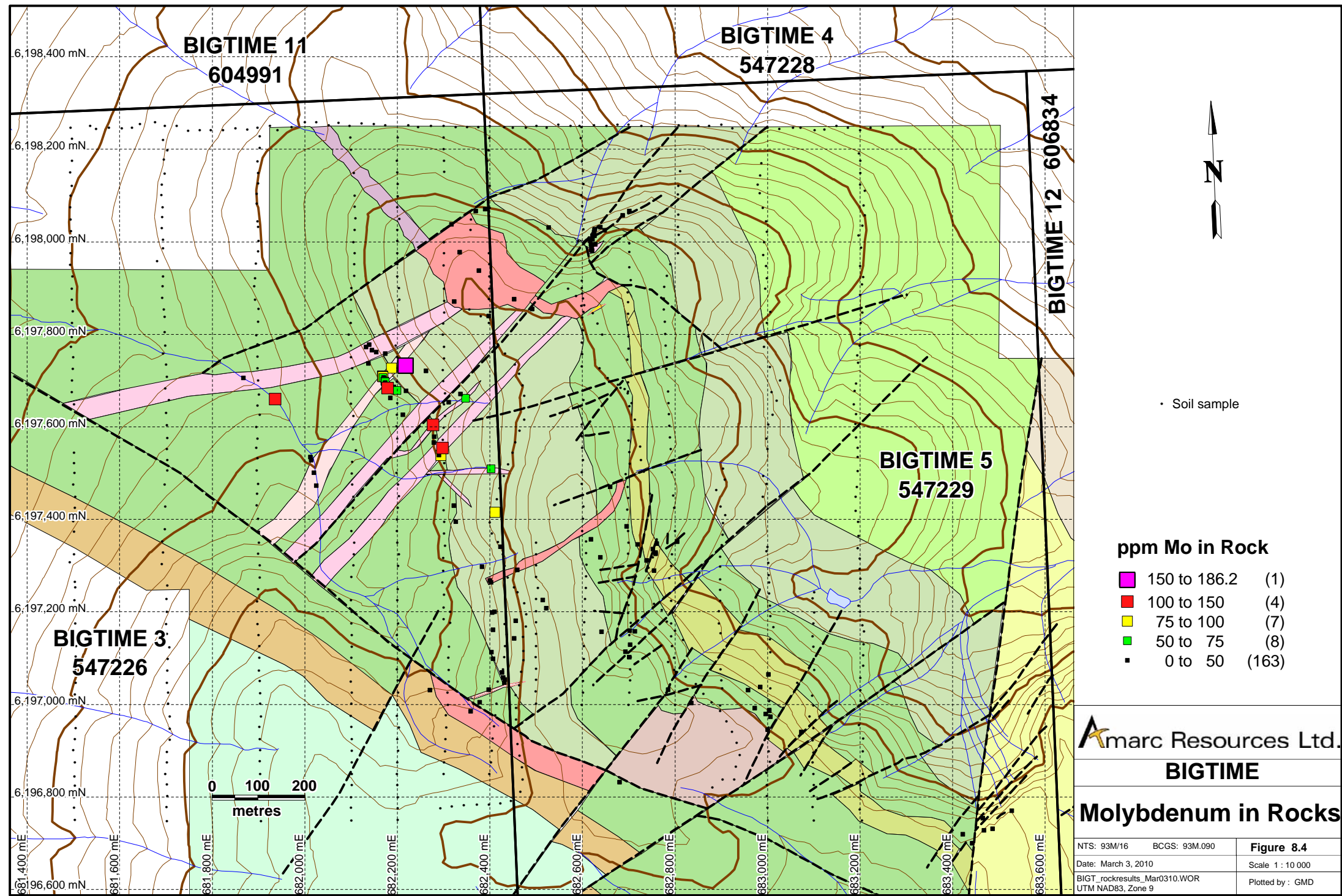
Prospecting on the Bigtime claims in 2009 encountered several areas of interest. These include a quartz stockwork, multiple ankeritic shear zones, and copper-molybdenum mineralization associated with felsic dykes. Locations of the 184 rock samples collected in 2009 are plotted on Figure 8.2. Figures 8.3 and 8.4 illustrate the distribution of copper and molybdenum analyses in the main area of interest. Copper and molybdenum analyses are posted on Figure 8.5.

Rock samples were analyzed for 36 elements by Inductively Coupled Plasma – Mass Spectrometry (Appendix A). Samples with over 10,000 ppm Cu were subsequently assayed. Analytical certificates are contained in Appendix B. Rock descriptions are presented in Appendix C.



Figure 8.6. Quartz stockwork at rock sample location B880558.





An extensive quartz stockwork occurs on west-facing slopes at 682405 east and 6197199 north (rock samples 880558 and 880559, Figs. 8.2 and 8.5). Mafic tuffs host a sub-parallel vein stockwork consisting of quartz veins generally less than 3 cm wide. Veins constitute up to 40% of outcrops, covering an area of about 50 x 100 m. The best analytical result obtained from this zone was 1803 ppm Cu from representative grabs containing iron oxides and traces of chalcopyrite, malachite and azurite.



Figure 8.7. Example of gossanous shear zone at sample B880693.

Ankerite-bearing shear zones commonly produce low intensity gossans along zones that can be tens of metres wide. When these zones also host locally mineralized, centimeter-scale quartz veins or silicification, intense, narrow gossans may form (Figure 8.6). The most commonly observed mineralization consists of pyrite, chalcopyrite, malachite and azurite. Grades up to 3.3% Cu and 41 g/t Ag have been returned from grab samples of this type of mineralization.

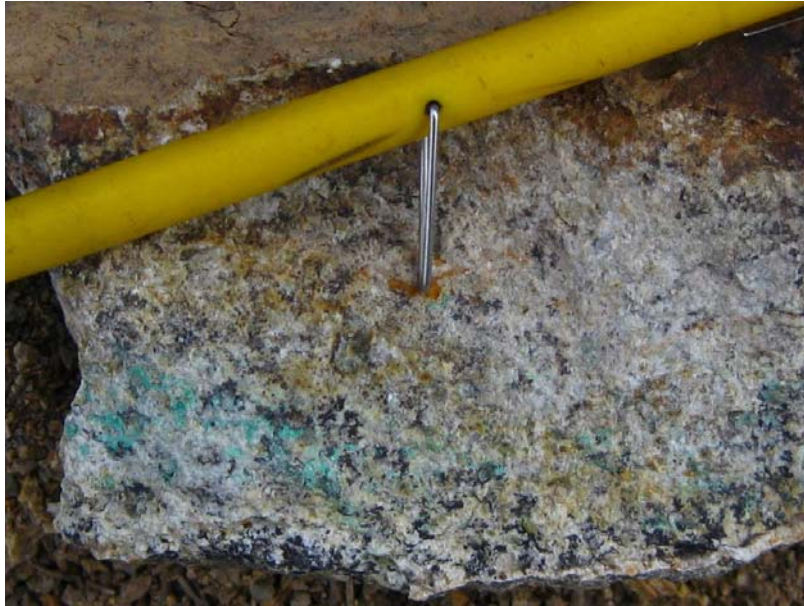


Figure 8.8. Copper-bearing felsic dyke containing 1975 ppm Cu (B880571).

Porphyry-like disseminated mineralization is associated with felsic dykes in the northwestern sector of the map area. Up to 4596 ppm Cu was obtained from samples of intrusions (and locally volcanics) with disseminated pyrite, chalcopyrite, and malachite (Figure 8.7). Molybdenite was not observed in any of the samples collected, but a maximum of 186.2 ppm Mo was obtained from a felsic dyke with 1% disseminated and banded pyrite.

9.0 GEOCHEMISTRY

Between July 14 and August 7, 2009, a 519 sample soil sampling program was undertaken. Samples were collected on 12 north-south oriented lines that vary in length from 250 m to 1500 m, and one 1750 m-long east-west oriented line (Figure 9.1). A total of 13.8 line-km was sampled on tenure numbers 547226 and 547229 (BIGTIME 3 and BIGTIME 5).

Methodology

Soil sample locations were indicated in the field using pink and blue flagging and Tyvek tags labeled with the grid coordinates and sample number. UTM coordinates were determined for all sample locations with handheld Garmin GPS instruments. Sample spacings of 25 m were used. The start position of each grid cross line was determined with a GPS instrument and subsequent stations were located by compass, hip chain and GPS, then GPS recorded. Soil samples were collected with a mattock or hand auger. Approximately 0.5 kg of material was placed into 10 cm x 15 cm cloth sample bags. In most cases, the B horizon was sampled, but in a few rocky locations the C or a combined B/C horizon was sampled. Talus fines were collected where scree slopes precluded the development of a standard soil profile in steeper terrain. Samples were shipped to the Acme Analytical preparation lab in Smithers for drying and sieving before shipment to Acme's lab in Vancouver, B. C., where they were analyzed.

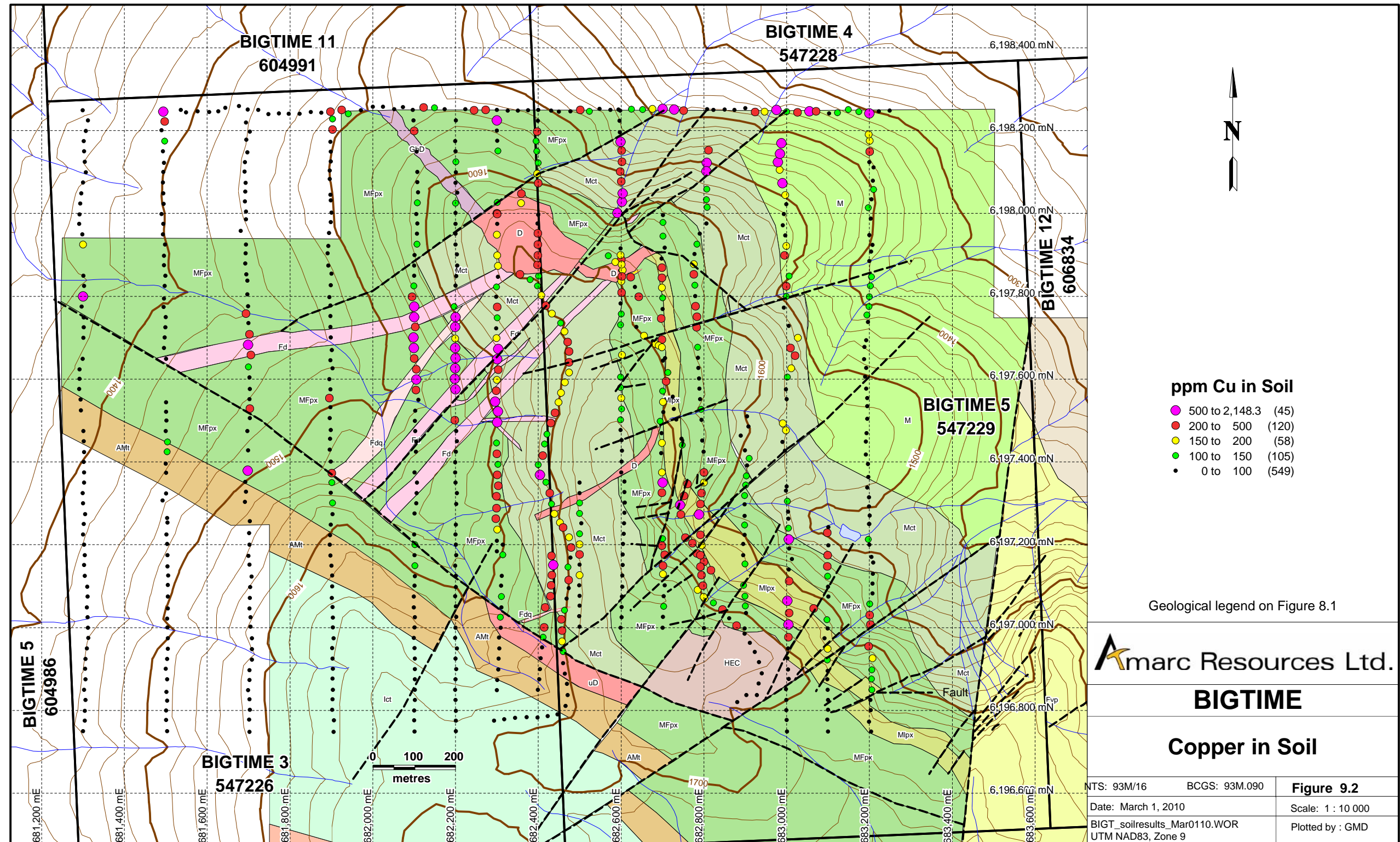
Soil samples were analyzed for 36 elements by Inductively Coupled Plasma - Mass Spectrometry (Appendix A). Results are listed on the Acme Analytical Laboratories Ltd. (Acme) Geochemical Analysis Certificates contained in Appendix B.

Results

The 2009 soil sampling program was designed to expand and further delineate an anomalous area defined by sampling in previous years. Figures 9.2 to 9.6 illustrate the distribution of results for all samples collected between 2007 and 2009. Posted results are shown on Figure 9.7.

The largest concentration of samples with anomalous Cu results occurs in the area of felsic dykes which were observed to contain disseminated chalcopyrite. This same area exhibits a well-defined, high contrast Mo soil anomaly, with localized elevated Au and Ag.

Three additional areas of anomalous geochemistry are best defined by As (Figure 9.5). These occur at the north end of the main ridge, on the east-facing slopes of the central portion of the main ridge, and on the west-facing slopes of the southern portion of the main ridge. The northern and eastern zones are Cu-As-Au-Ag anomalies, whereas the western zone is primarily a Cu-As anomaly. These anomalies are all associated with ankeritic shear zones described in the section on Mineralization, above.



ppm Cu in Soil

- 500 to 2,148.3 (45)
- 200 to 500 (120)
- 150 to 200 (58)
- 100 to 150 (105)
- 0 to 100 (549)

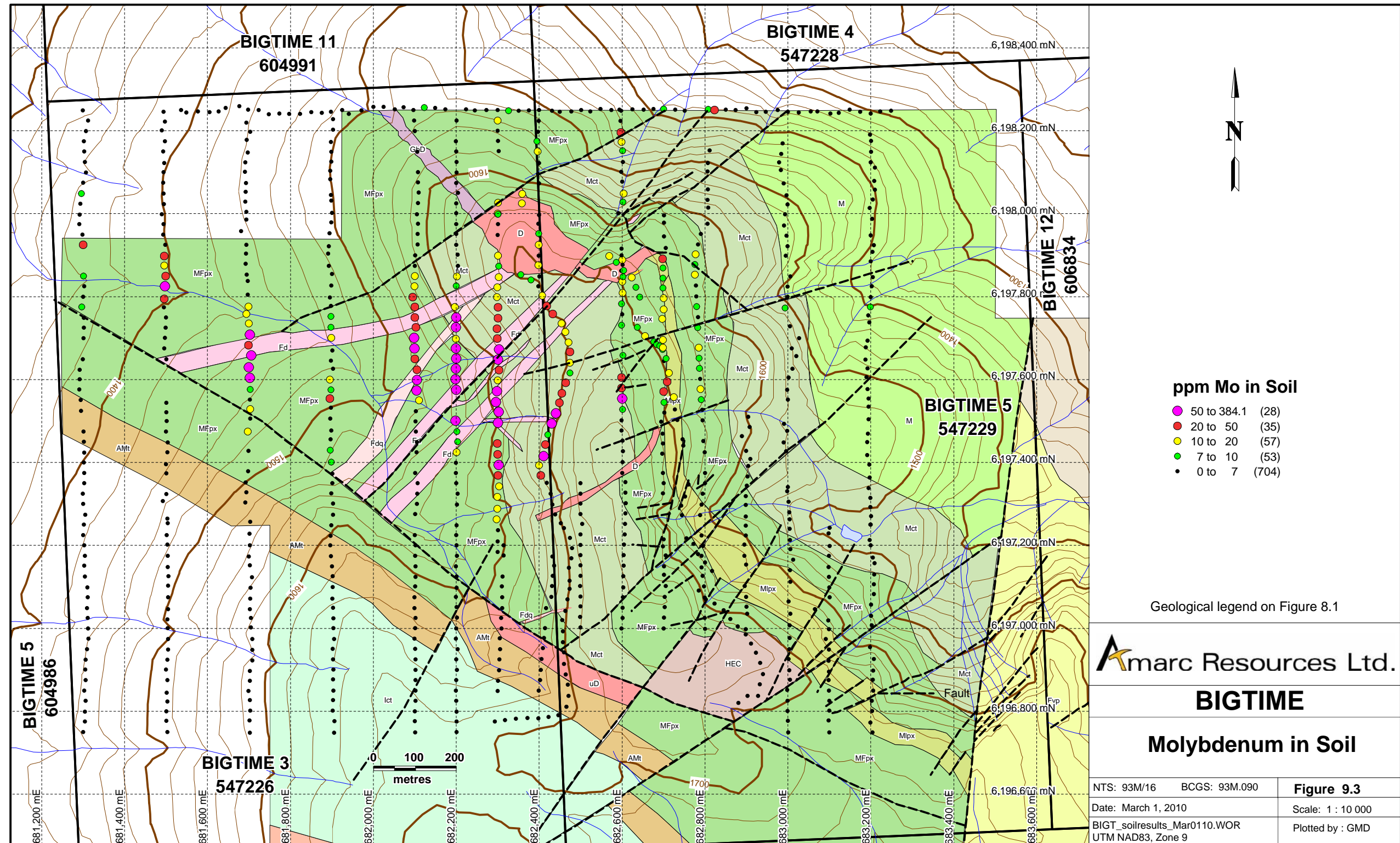
Geological legend on Figure 8.1

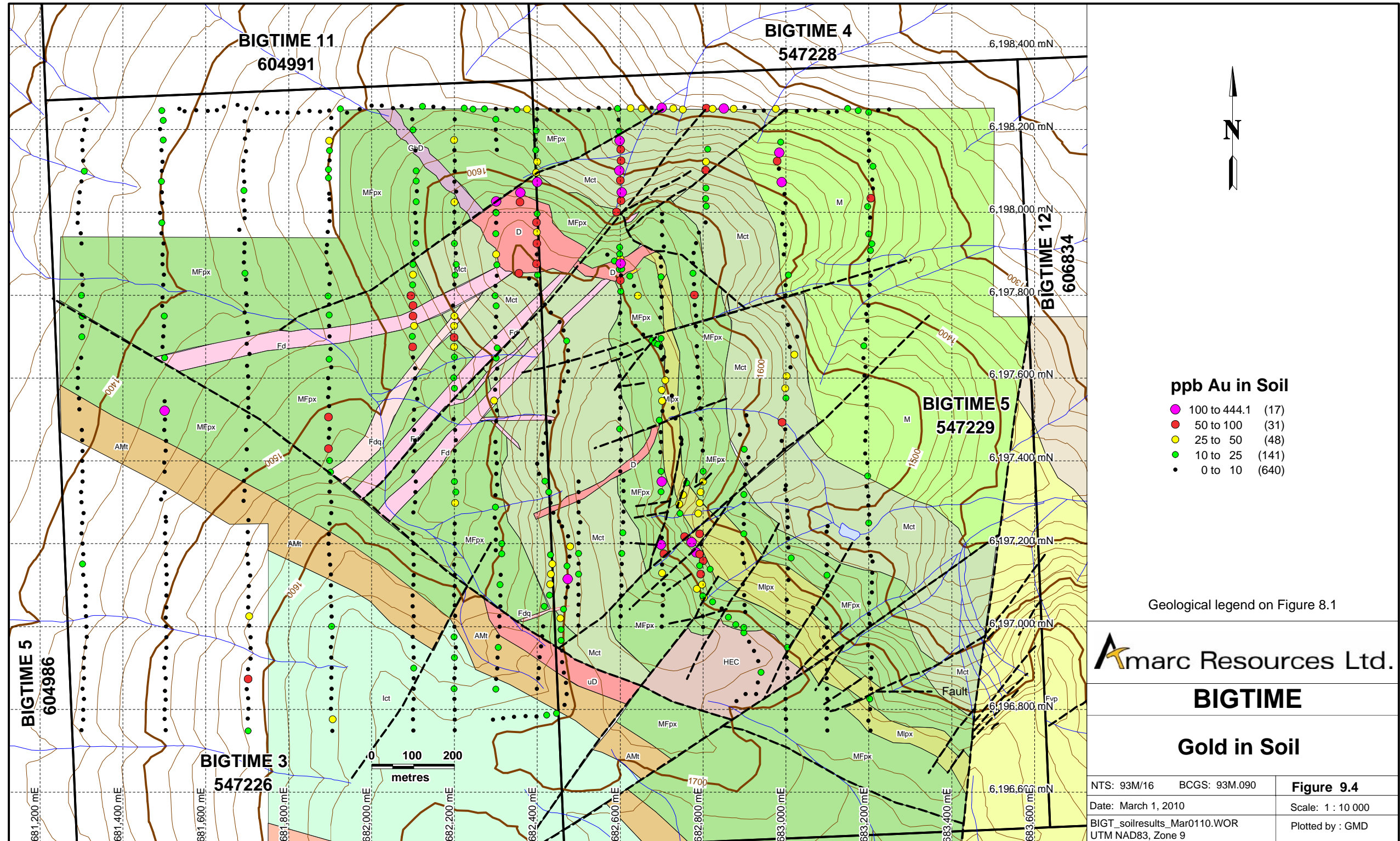
Amarc Resources Ltd.

BIGTIME

Copper in Soil

NTS: 93M/16	BCGS: 93M.090	Figure 9.2
Date: March 1, 2010		Scale: 1 : 10 000
BIGT_soilresults_Mar0110.WOR		Plotted by : GMD
UTM NAD83, Zone 9		





ppb Au in Soil

- 100 to 444.1 (17)
- 50 to 100 (31)
- 25 to 50 (48)
- 10 to 25 (141)
- 0 to 10 (640)

Geological legend on Figure 8.1

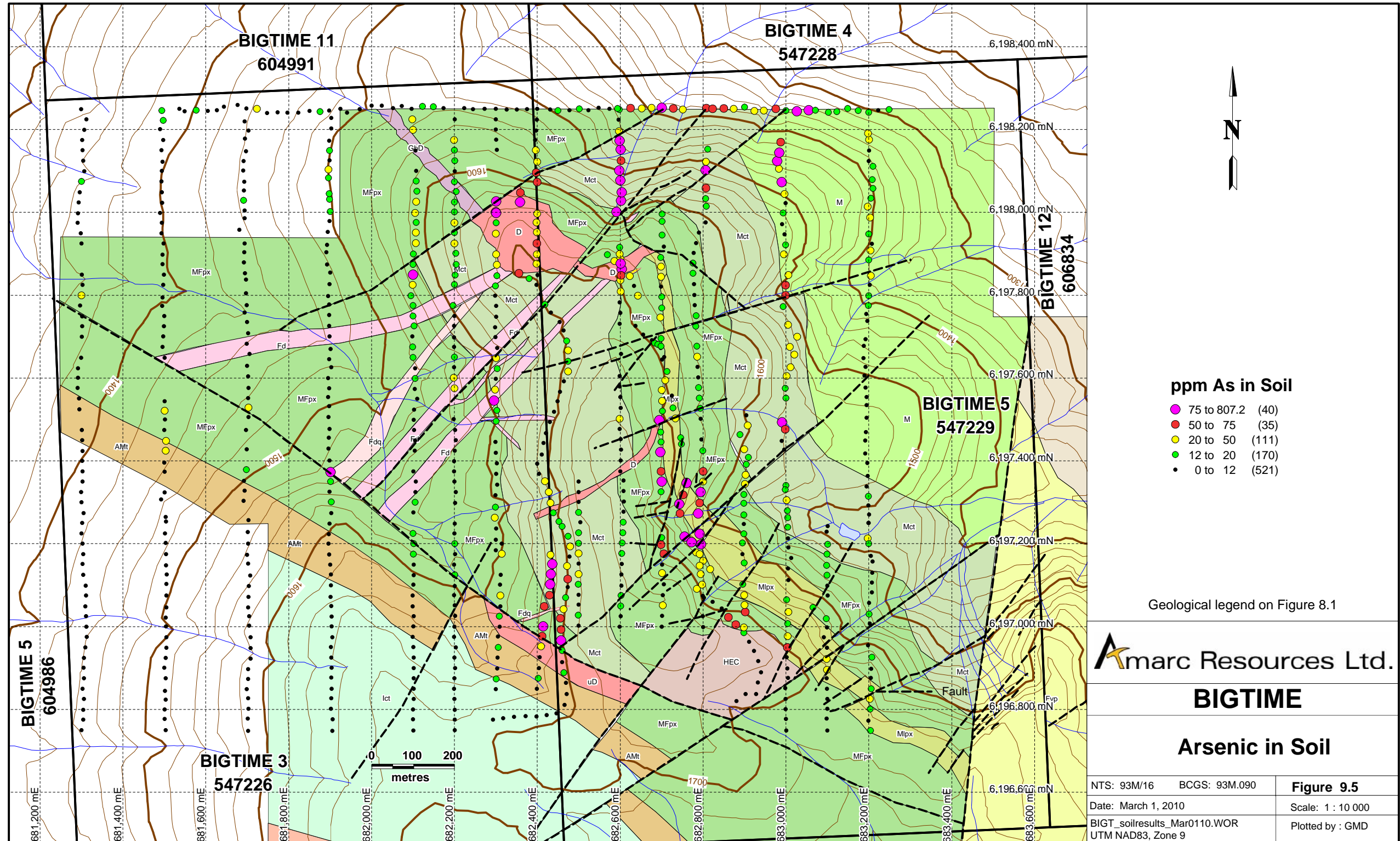
Amarc Resources Ltd.

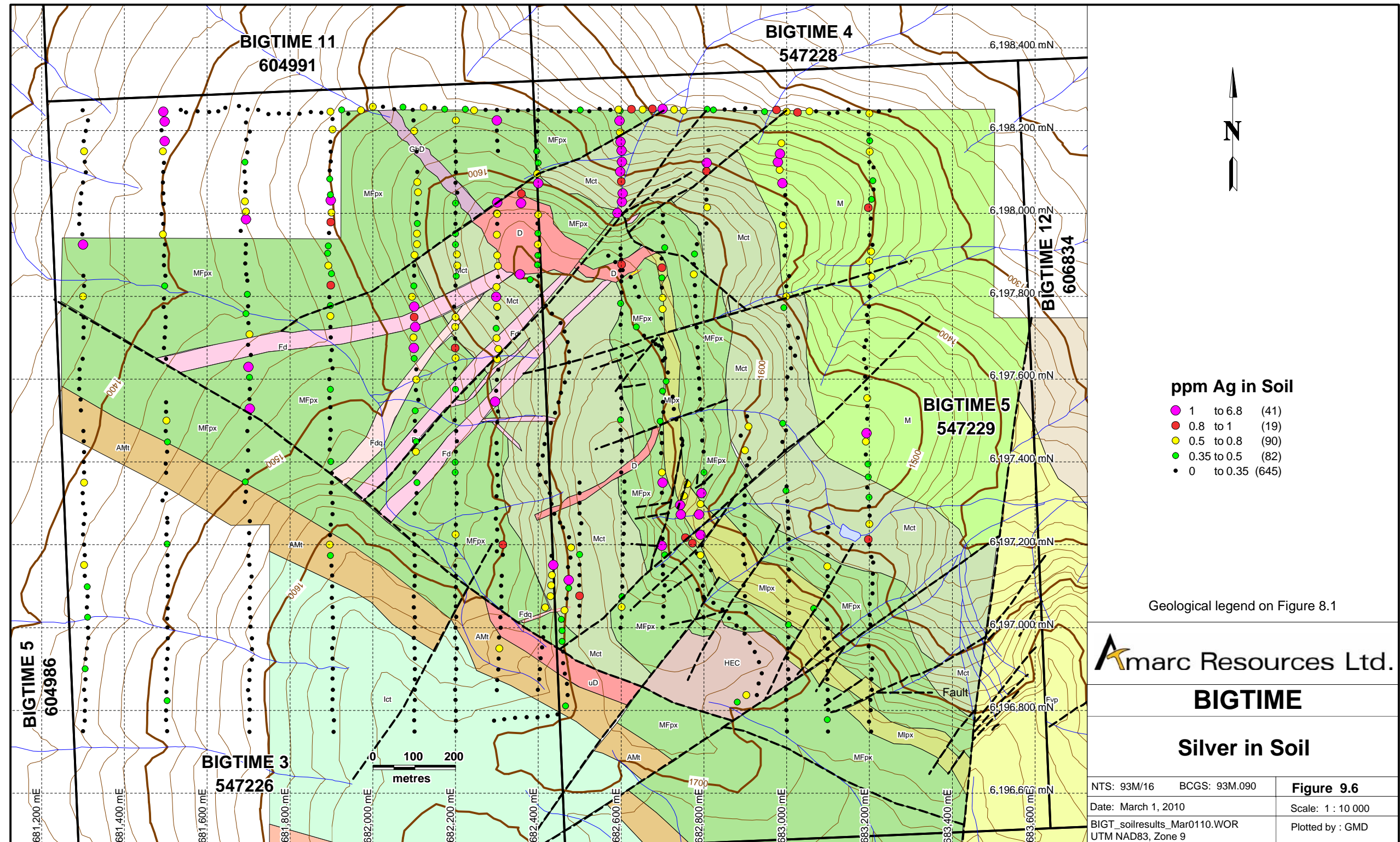
BIGTIME

Gold in Soil

NTS: 93M/16 BCGS: 93M.090
 Date: March 1, 2010
 BIGT_soilresults_Mar0110.WOR
 UTM NAD83, Zone 9

Figure 9.4
 Scale: 1 : 10 000
 Plotted by : GMD





10.0 GEOPHYSICS

Between July 8 and August 2, 2009, an Induced Polarization (IP) survey was conducted by Peter E. Walcott & Associates on the Bigtime property. A grid totaling 11.7 line km was surveyed in seven lines varying in length from 1300 to 1775 m. Grid lines were brushed-out, flagged, chained and tagged at 25 m stations. Chargeability and resistivity maps and pseudosections are included in Appendix D. Information on survey specifications has been provided by A. Walcott of Walcott & Associates.

Survey Specifications

The IP survey was conducted using a pulse type system, the principal components of which were manufactured by Instrumentation GDD Inc. of Quebec, Canada and Walcer Geophysics of Ontario.

The system consists basically of three units, a receiver (GDD GRX-8), transmitter (Walcer) and a motor generator. The transmitter, which provides a maximum of 9.0 kw d.c. to the ground, obtains its power from a 20.0 kva 400 Hz three phase alternator driven by a gasoline engine. The cycling rate of the transmitter is 2 seconds “current-on” and 2 seconds “current-off” with the pulses reversing continuously in polarity. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through the current electrodes C_1 and C_2 , the primary voltages (V) appearing between any two potential electrodes, P_1 through P_{n+1} , during the “current-on” part of the cycle, and the apparent chargeability, (M_a) presented as a direct readout in millivolts per volt using a 200 millisecond delay and a 1000 millisecond sample window by the receiver, a digital receiver controlled by a micro-processor. The sample window is actually the total of twenty individual windows of 50 millisecond widths.

The apparent resistivity (ρ_a) in ohm metres is proportional to the ratio of the primary voltage and the measured current, the proportionality factor depending on the geometry of the array used. The chargeability and resistivity are called apparent as they are values which that portion of the earth sampled would have if it were homogeneous. As the earth sampled is usually inhomogeneous the calculated apparent chargeability and resistivity are functions of the actual chargeability and resistivity of the rocks.

The survey was carried out using the “pole-dipole” method of surveying. In this method the current electrode, C_1 , and the potential electrodes, P_1 through P_{n+1} , are moved in unison along the survey lines at a spacing of “a” (the dipole) apart, while the second current electrode, C_2 , is kept constant at “infinity”. The distance, “na” between C_1 and the nearest potential electrode generally controls the depth to be explored by the particular separation, “n”, traverse.

Horizontal Control. Horizontal locations were recorded using a *GPSMAP60Cx* manufactured by Garmin of Kansas, U.S.A. This is a handheld unit with an accuracy of plus or minus 3 m in excellent conditions with degradation to plus or minus 15 m in obstructed areas such as thick forest. Northings, eastings and GPS elevations were recorded every 100 m along the lines, although the latter was not used.

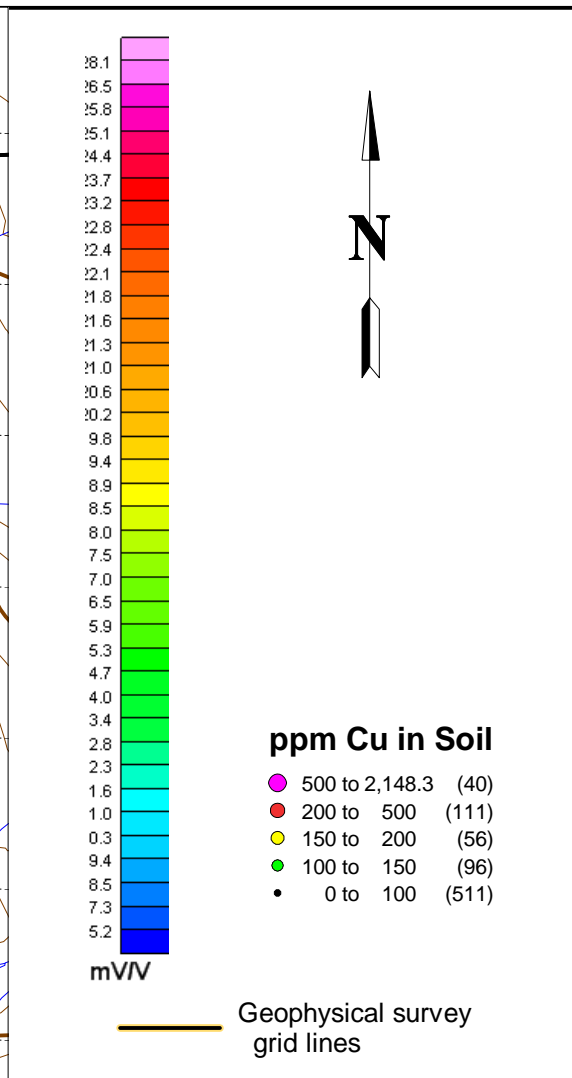
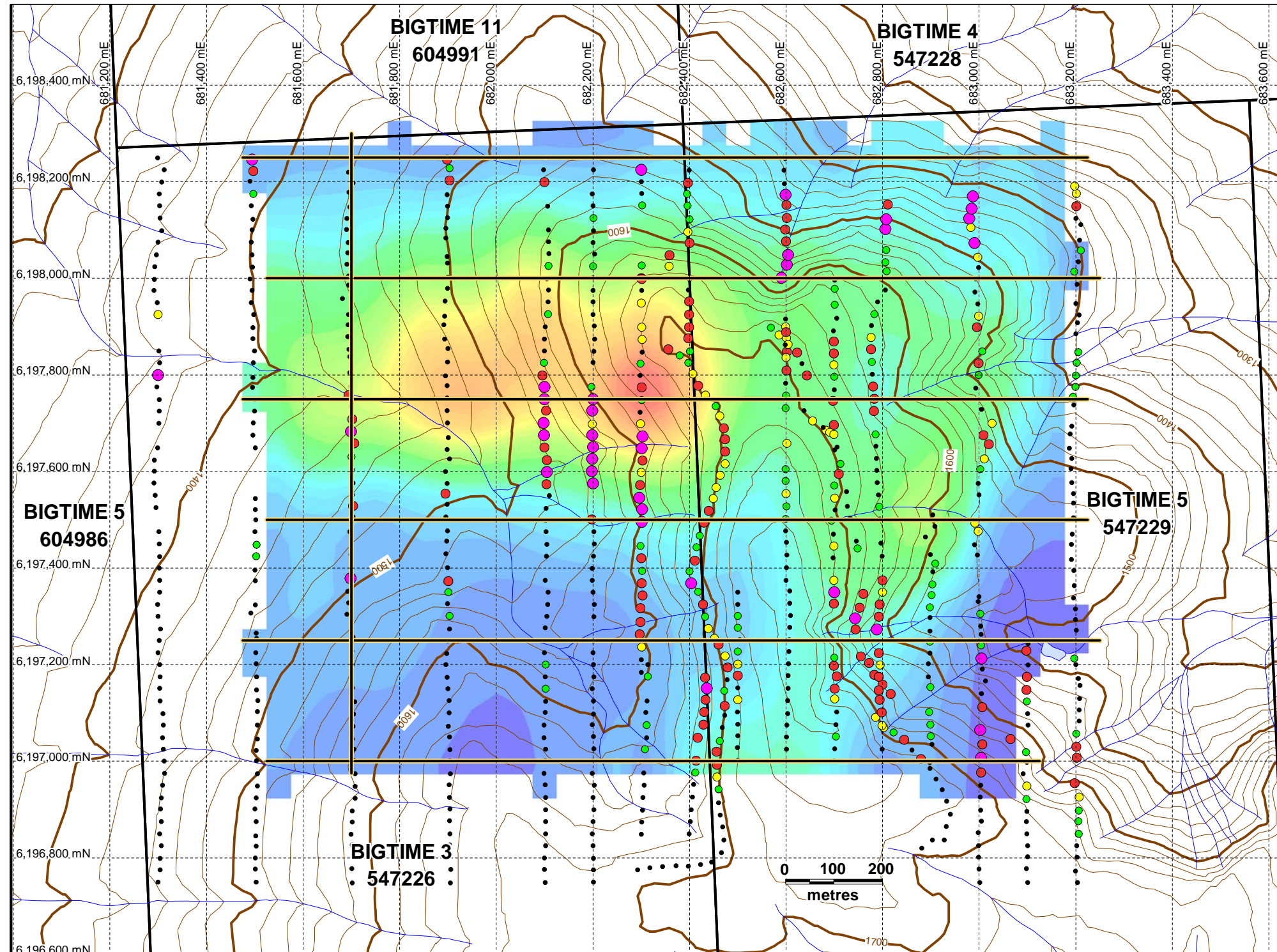
Vertical Control. Elevations at stations were recorded using an *ADC Summit* altimeter manufactured by Brunton of Wyoming, U.S.A. This instrument measures elevations using barometric pressures to an accuracy of plus or minus 3 m. Corrections for errors due to variations in atmospheric pressure were made by comparison to readings obtained on a similar instrument, held stationary at one location – base -, at 2 minute intervals. Altimeter elevations were recorded every 50 m.

Data Presentation. IP data are presented as individual pseudosection plots (Appendix A) of apparent chargeability and resistivity at a scale of 1:5000. Plots of the 21 point moving filter – illustrated on pseudosections – for the above are also displayed in the top window to better show the location of the anomalous zones. Results are also presented on 1 : 20,000 scale maps (Figures 9.1 and 9.2)

Results

The 2009 IP survey reveals an east-west elongated area of elevated chargeability approximately 600 x 300 m in size (Figure 10.1). This zone is partially coincident with Cu and Mo geochemical anomalies that overlie felsic dykes, and it flanks these anomalies on their north side.

The chargeability zone also flanks an area of high resistivity (Figure 10.2) which underlies much of the area intruded by felsic dykes, and appears to be limited by the northwesterly-trending fault which truncates the dykes. Elevated resistivity is believed to reflect moderate silicification of volcanic rocks in the vicinity of felsic dykes.

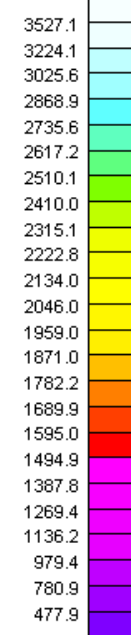
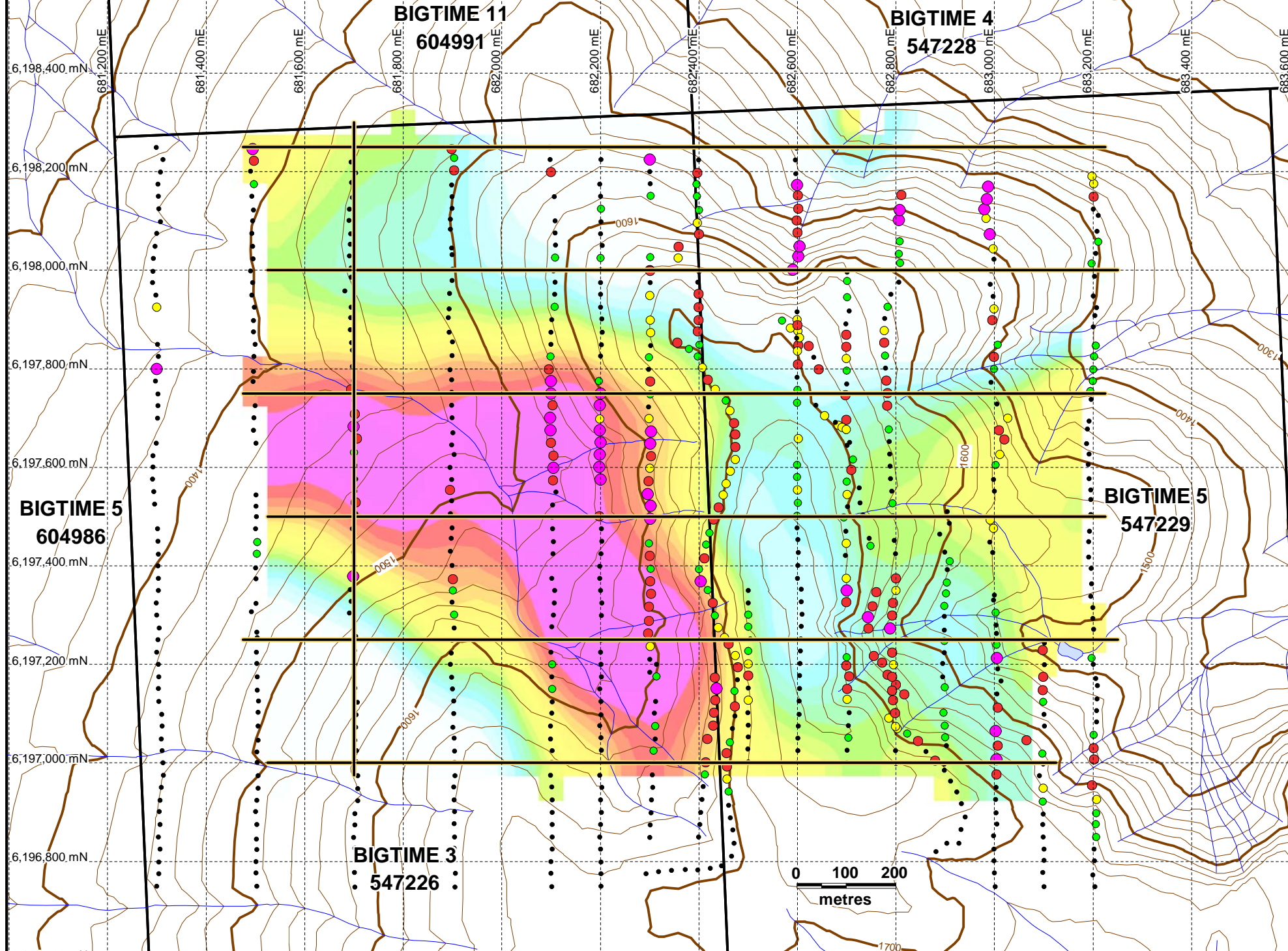
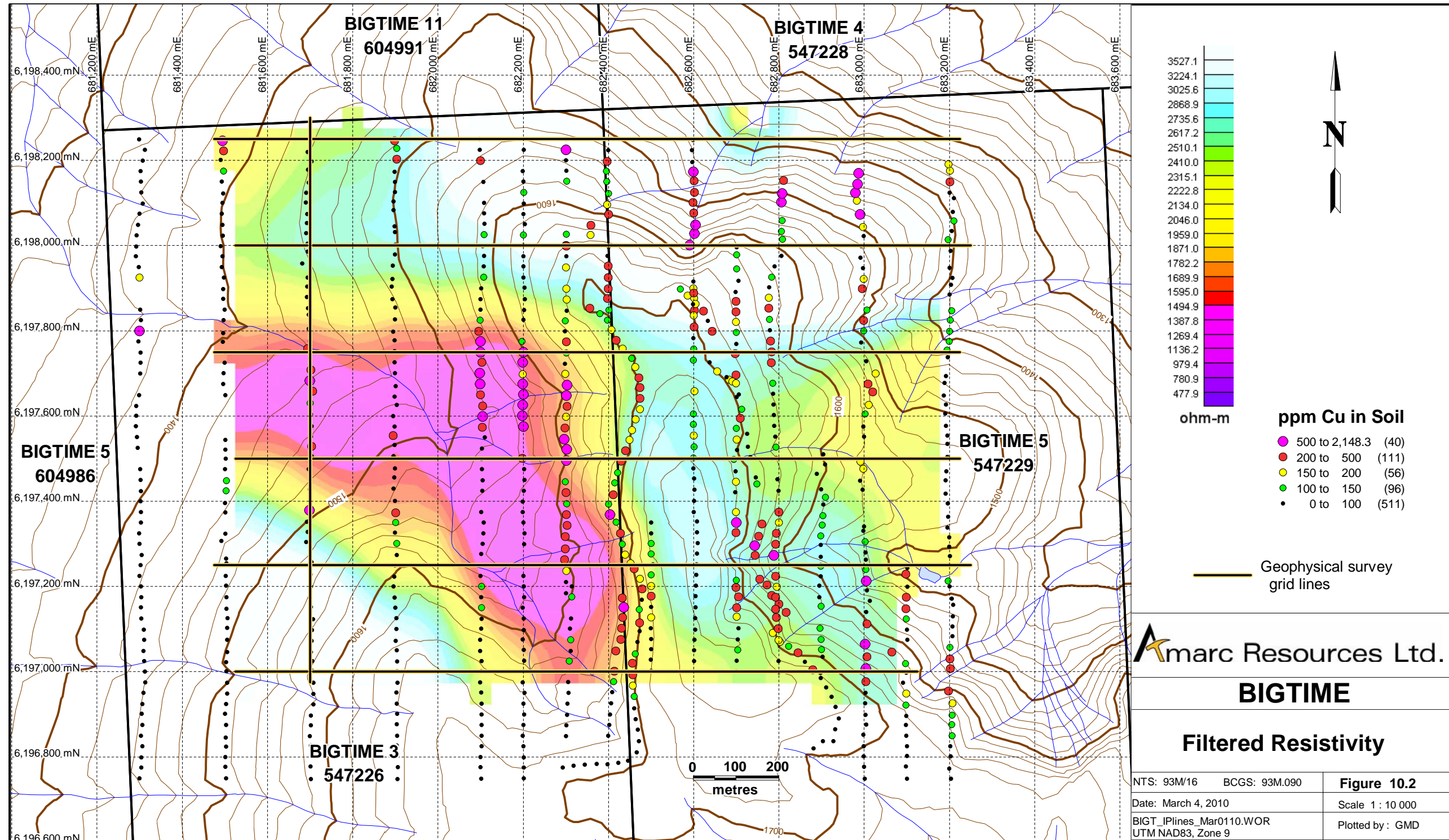


Amarc Resources Ltd.

BIGTIME

Filtered Chargeability

NTS: 93M/16	BCGS: 93M.090	Figure 10.1
Date: March 4, 2010		Scale 1 : 10 000
BIGT_IPlines_Mar0110.WOR		Plotted by: GMD
UTM NAD83, Zone 9		



Geophysical survey grid lines

Amarc Resources Ltd.

BIGTIME

Filtered Resistivity

NTS: 93M/16	BCGS: 93M.090	Figure 10.2
Date: March 4, 2010	Scale 1 : 10 000	
BIGT_IPLines_Mar0110.WOR	Plotted by: GMD	
UTM NAD83, Zone 9		

11.0 CONCLUSIONS AND RECOMMENDATIONS

Significant mineralization on the Bigtime property consists of ankeritic shear zones with metalliferous quartz veins, and porphyry-style Cu(-Mo) mineralization associated with felsic dykes. Shear zones may carry grades up to 3.3% Cu and 41 g/t Ag. Porphyry-style mineralization has yielded samples with up to 4597 ppm Cu and some elevated Mo. Determination of the full extent of mineralized zones encountered in the 2009 program requires evaluation by diamond drilling.

13.0 REFERENCES

- Bacon, W.R. (1973) Geological, Geochemical, Geophysical Report on the Lion I and Lion II Claim Groups, Takla Lake Area, Omineca Mining Division; Assessment Report No. 4725.
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http://www.climate.weatheroffice.ec.gc.ca/climate_normals/index_1961_1990_e.html
- Kerckhoff, A., Rebagliati, M., and Yeager, D.A., 2008. Report on Geological and Geochemical Work Performed on the BigtimeTarget, Bodine Property. Amarc Resources Ltd. Internal Report, December 2008.
- Overstall, R.J., and Rainboth, W. (1972) Geochemical and Geophysical Report on the Carr Group of Mineral Claims. Takla Lake Area, B.C. for Canadian Superior Exploration Ltd. Omineca Mining Division; Assessment Report No. 3769.
- Wojdak, P. (1998). Volcanogenic Massive Sulphide Deposits in the Hazleton Group, Babine Range, BC; *in* Exploration & Mining in British Columbia – 1998, pp C1-C13.

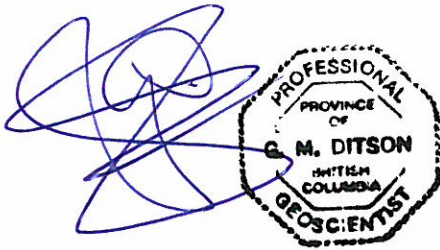
14.0 STATEMENTS OF AUTHORS' QUALIFICATIONS

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 been an exploration geologist since 1976, and have worked in Canada, the United States, Chile, Spain and Mexico.
5. I am an author of this report, and am also responsible for the technical figures.

Signed on the 18th day of March, 2010

A blue ink signature is written over a circular professional seal. The seal contains the text: "PROFESSIONAL PROVINCE OF G. M. DITSON BRITISH COLUMBIA GEOSCIENTIST".

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

STATEMENT OF QUALIFICATIONS

I, **M. Rebagliati**, P. Eng. Of Vancouver, British Columbia, Canada, do hereby state that:

1. I am a consulting geological engineer and President of Rebagliati Geological Consulting Ltd with offices at 317-2200 Highbury St, Vancouver, British Columbia, Canada.
2. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, holding License Number 8352.
3. I graduated with a B.Sc. in geological engineering from Michigan Technological University, Houghton, Michigan, USA in 1969.
4. I have worked as an exploration geologist for a total of 41 years since my graduation from university.
5. I have read the definition of “qualified person” set out in National Instrument 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined by NI 43-101) and past relevant work experience, I fulfill the requirements to be a “qualified person” for the purposes of NI 43-101.
6. I am the Technical Manager directing activities on the Bigtime Property for Amarc Resources Ltd.

Signed on the 18th day of March, 2010



Mark Rebagliati, P.Eng.

15.0 STATEMENT OF COSTS

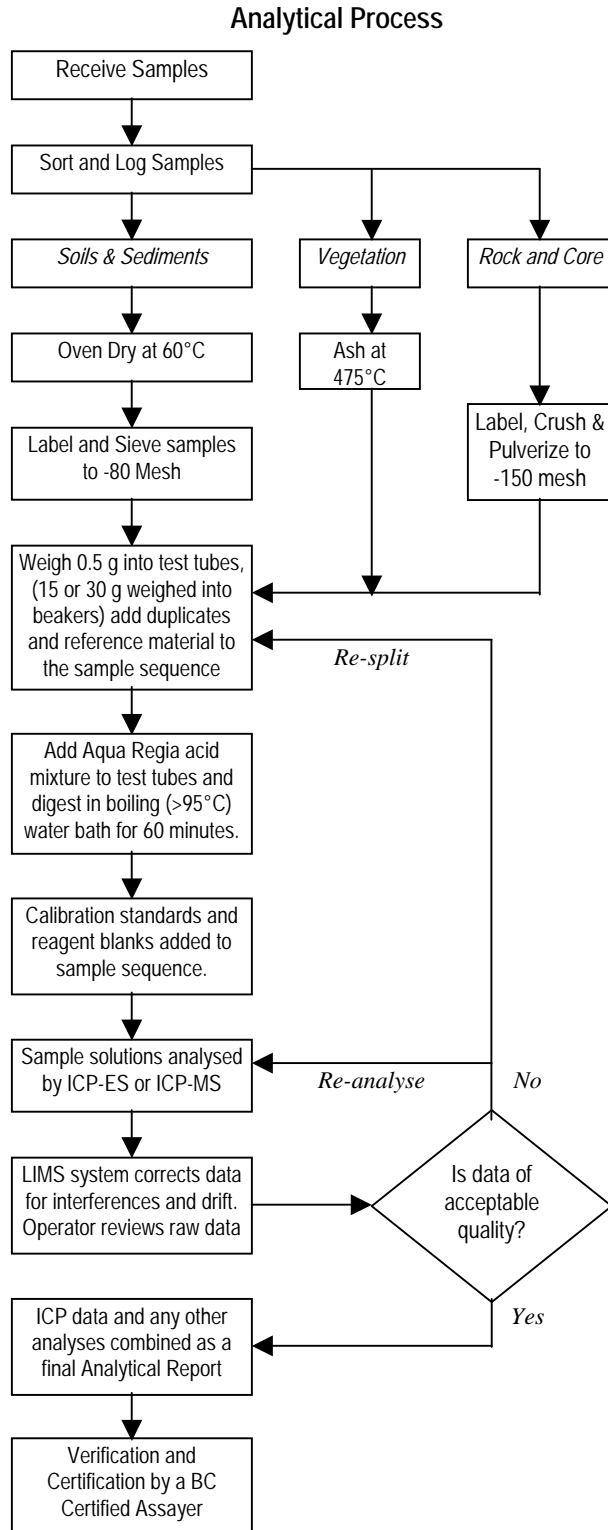
Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Amy Kerckhoff / Party Chief	July 18, 20, 22-25, 27, 31-Aug 2, 4-7	14	\$600.00	\$8,400.00	
Jan Tindle / Sampler, F. Aid	July 16-19, 22, 25, 26, 28, 29, 31, Aug 2-6	14	\$400.00	\$5,600.00	
Chris Willis / Sampler	July 16-19, 21-23, 28, 31, Aug 2, 5, 6	12	\$400.00	\$4,800.00	
Chris Roe / Sampler	July 16-19, 21-23, 29-31, Aug 2,5,6	13	\$320.00	\$4,160.00	
Jim Oliver / Geologist	July 19,20,22-27,31	9	\$873.00	\$7,857.00	
Piotr Lutyinski / Geologist	July 22-26, 28	6	\$550.00	\$3,300.00	
Rick Roe / Prospector	July 14-26	13	\$750.00	\$9,750.00	
		man-days:	81		\$43,867.00
Office Studies	List Personnel (note - Office only, field days not included)				
Program planning & supervision	Mark Rebagliati, P.Eng.	0.8	\$1,293.00	\$1,034.40	
Maps/Graphics	Gwendolen Ditson, M.Sc., P.Geo.	1	\$750.00	\$750.00	
Database compilation	Romeo Taras	1	\$650.00	\$650.00	
Health & Safety	Holly Keyes	0.7	\$750.00	\$525.00	
Report preparation	Gwendolen Ditson, M.Sc., P.Geo.	2	\$750.00	\$1,500.00	
	Amy Kerkhoff, B.Sc.	2	\$600.00	\$1,200.00	
					\$5,659.40
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Soil	Acme Labs, Vancouver, BC	519	\$20.07	\$10,416.33	
Rock	Acme Labs, Vancouver, BC	184	\$24.60	\$4,526.40	
		total samples:	703		\$14,942.73
Ground geophysics	Line Kilometres / Enter total amount invoiced				
Induced Polarization (11.7 line-km)	Peter Walcott & Assoc., Coquitlam	11.7	\$2,204.80	\$25,796.16	
	Thomas Kocan, Marek Welz, Nick Russell, Abe Stegner, Willie Korolyk, Allan West, Darnell George (38 man-days)	38			
Line cutting (11.7 line-km)	Tootikoh Contracting, Ft. St. James	12	\$959.12	\$11,221.70	
	Arthur Alexander, Cindy Alexander, Brendan Collier, Jasper Besherse, John Sam, Andrew Sam, Kaylon Thomas (24 man-days)	24			
		man-days:	62		\$37,017.86
Transportation		No.	Rate	Subtotal	
Airfare, taxi, motel, meals, etc.				\$1,200.00	
Truck Rental					
Ridley Rentals, Williams Lk. BC	@ \$1,800/mo = \$58.06/day	10	\$58.06	\$580.60	
Fuel - Vanderhoof & Districts Co-op	avg. 10 litres/day x \$1.40/litre	10	\$14.00	\$140.00	
Helicopter (cost/hour incl. fuel)	Yellowhead Helicopters 206L3	31.2	\$1,495.00	\$46,644.00	
					\$48,564.60
Accommodation & Food	Rates per day				
Camp+Meals	Lion Creek Camp (\$75/man-day)	143	\$ 75.00	\$ 10,725.00	
					\$ 10,725.00
Miscellaneous					
Telephone, sat. phone, radios	@ \$1/person/day	147	\$1.00	\$147.00	
Fire Extinguishers	Community Fire Prevention Ltd.			\$281.00	
Field Gear (bags, tags, flags, repellent, etc.)	@ \$0.80/sample	703	\$0.80	\$562.40	
					\$990.40
Freight, geochemical samples					
Russell Transfer, Ft. St. James, BC	Camp to Smithers @ \$0.25/sample	703	\$0.25	\$175.75	
					\$175.75
TOTAL Expenditures					\$ 161,942.74

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

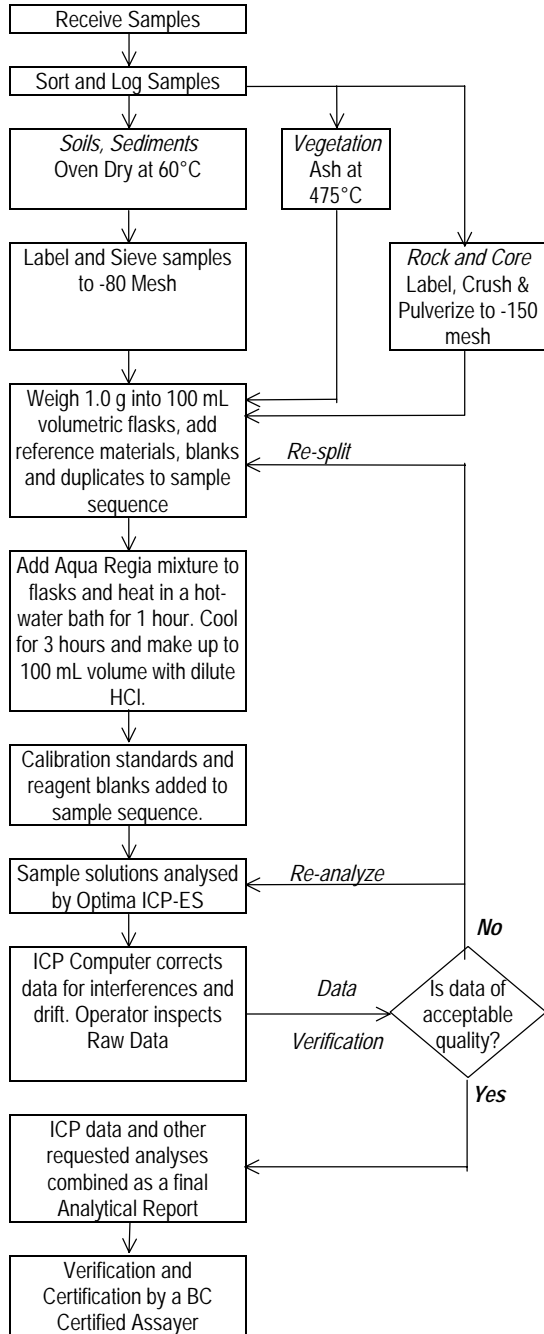
An Analytical Batch (1 page) comprises 33 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill 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.



METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 7AR – MULTI-ELEMENT ASSAY BY ICP-ES • AQUA REGIA DIGEST

Analytical Process



Comments

Sample Preparation

Assaying is warranted for representative well-mineralized samples (eg. Cu > 1%). Samples are dried at 60°C. Soil, sediment and moss mats (after pounding) are sieved to -80 mesh (-177 µm). Vegetation is dried (60°C) and pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Aliquots of 1.000 ± 0.002 g are weighed into 100 mL volumetric flasks. Acme's QA/QC protocol requires one pulp duplicate to monitor analytical precision and an two blanks and aliquots of in-house reference material STD R2A or GC2A to monitor accuracy in each batch of 33 samples. Trench and drill core programs will also include a pulp made from a 2nd crushed fraction split (rejects duplicate) to measure method precision.

Sample Digestion

30 mL of Aqua Regia, a 2:2:2 mixture of ACS grade concentrated HCl, concentrated HNO₃ and de-mineralised H₂O, is added to each sample. Samples are digested for one hour in a hot water bath (>95°C). After cooling for 3 hrs, solutions are made up to volume (100 mL) with dilute (5%) HCl. Very high-grade samples may require a 1 g to 250 mL or 0.25 g to 250 mL sample/solution ratio for accurate determination. Acme's QA/QC protocol requires simultaneous digestion of two reagent blanks inserted in each batch.

Sample Analysis

Sample solutions are aspirated into a Jarrel Ash Atomcomp model 800 or 975 or Spectro Ciros Vision ICP emission spectrograph to determine 21 elements: Ag, Al, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, W, Zn.

Data Evaluation

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

APPENDIX B
ANALYTICAL CERTIFICATES



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: July 21, 2009
Report Date: July 29, 2009
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI09000033.1

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-02_71909
P.O. Number
Number of Samples: 71

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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	Lab
SS80	71	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	71	Dry at 60C			SMI
1DX15	71	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 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

Project: Bigtime
 Report Date: July 29, 2009

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CERTIFICATE OF ANALYSIS

SMI09000033.1

Method Analyte Unit MDL	WGHT	1DX15	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	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	
1300E6775N	Soil		1.1	34.9	7.5	74	0.1	20.4	8.8	624	3.49	5.9	0.4	3.3	0.2	14	0.2	0.6	0.2	93	0.13
1300E6800N	Soil		1.5	39.2	8.4	72	0.2	20.0	11.4	2363	3.10	5.0	0.4	1.5	0.1	37	0.3	0.6	0.2	89	0.42
1300E6825N	Soil		1.3	31.9	7.2	54	0.2	18.3	8.1	515	4.23	7.7	0.4	4.8	0.2	12	0.3	0.5	0.1	90	0.11
1300E6850N	Soil		1.0	19.5	6.8	45	<0.1	12.0	5.3	305	3.37	5.0	0.3	2.0	0.4	11	0.1	0.4	0.1	93	0.10
1300E6875N	Soil		1.1	18.9	6.8	40	0.1	10.1	4.4	211	3.01	5.5	0.3	2.2	0.3	10	0.2	0.5	0.1	80	0.07
1300E6900N	Soil		0.9	23.4	7.7	94	0.4	18.2	8.5	732	2.60	7.0	0.4	2.1	0.7	38	0.5	0.5	<0.1	63	0.52
1300E6925N	Soil		1.1	24.8	7.5	38	0.1	13.6	4.9	196	3.70	6.5	0.3	5.6	0.6	12	0.1	0.5	0.2	106	0.09
1300E6950N	Soil		1.1	32.6	6.5	58	0.2	18.4	6.1	223	3.72	7.0	0.4	5.0	0.7	11	0.2	0.5	0.1	86	0.07
1300E6975N	Soil		1.1	28.0	6.6	59	0.1	20.1	8.4	342	3.80	7.1	0.4	1.5	0.8	16	0.1	0.5	0.1	88	0.21
1300E7000N	Soil		0.7	14.1	6.1	31	0.2	7.3	3.2	310	2.22	3.3	0.3	2.6	0.5	12	<0.1	0.4	0.2	82	0.08
1300E7025N	Soil		1.4	24.7	7.8	55	0.4	12.9	6.1	526	3.51	6.5	0.4	1.8	0.4	14	0.3	0.6	0.2	103	0.08
1300E7050N	Soil		1.1	20.4	8.7	47	0.1	14.9	6.0	280	3.45	6.3	0.3	1.1	0.5	14	0.2	0.4	0.2	98	0.09
1300E7075N	Soil		1.3	25.8	8.2	50	0.2	17.5	7.1	642	4.10	7.6	0.3	1.2	0.3	12	0.2	0.6	0.1	99	0.09
1300E7100N	Soil		1.2	27.8	6.5	53	0.4	19.9	7.1	303	3.98	8.1	0.4	5.6	0.6	11	0.2	0.5	0.1	92	0.10
1300E7125N	Soil		0.8	27.5	7.2	48	0.2	16.2	6.7	828	3.08	6.1	0.3	2.4	0.3	9	<0.1	0.4	0.1	86	0.10
1300E7150N	Soil		1.2	27.7	6.3	52	0.5	17.8	7.5	325	3.91	7.1	0.4	12.4	1.0	9	0.3	0.5	0.1	96	0.08
1300E7175N	Soil		1.4	33.4	7.5	66	0.2	18.0	10.0	897	3.82	5.2	0.4	3.9	0.4	15	0.2	0.9	0.1	99	0.11
1300E7200N	Soil		1.6	54.4	7.9	89	0.3	25.5	7.5	306	3.82	6.9	0.5	2.6	0.3	9	0.3	0.4	0.1	87	0.06
1300E7225N	Soil		0.6	10.3	6.8	22	<0.1	5.5	2.1	131	1.53	2.1	0.2	5.1	0.2	9	<0.1	0.4	0.2	66	0.11
1300E7250N	Soil		1.3	27.1	6.7	50	0.2	16.5	6.8	322	4.45	8.3	0.4	3.2	0.7	9	0.2	0.5	0.1	117	0.08
1300E7275N	Soil		1.3	29.6	7.6	53	0.2	19.3	6.6	316	4.31	7.1	0.4	9.9	0.4	11	0.2	0.6	0.1	111	0.08
1300E7300N	Soil		1.2	19.5	6.9	37	<0.1	13.9	5.4	365	3.28	6.4	0.3	1.2	0.2	9	<0.1	0.4	0.1	92	0.07
1300E7325N	Soil		1.0	33.3	5.8	54	0.1	22.3	9.0	365	3.62	7.8	0.3	4.6	0.6	11	<0.1	0.5	0.1	91	0.13
1300E7350N	Soil		1.2	23.0	6.1	42	0.5	14.1	6.3	274	3.12	6.5	0.4	5.9	0.4	10	0.2	0.4	0.1	82	0.11
1300E7375N	Soil		0.9	21.5	6.6	47	0.2	15.2	7.1	334	3.08	4.8	0.3	4.2	0.6	11	0.2	0.4	0.1	86	0.14
1300E7400N	Soil		1.3	21.5	9.0	48	<0.1	16.7	7.8	385	3.75	7.2	0.4	3.0	0.6	13	0.1	0.5	0.1	92	0.15
1300E7425N	Soil		2.4	28.3	6.1	69	0.1	18.5	8.4	889	2.69	4.2	1.0	4.2	0.1	29	0.2	0.4	0.1	85	0.47
1300E7450N	Soil		4.6	68.0	7.7	112	0.3	26.8	18.8	3504	3.49	6.8	1.1	4.8	0.2	31	0.9	0.5	0.1	102	0.60
1300E7475N	Soil		1.7	52.9	5.5	70	0.2	27.3	10.2	437	2.77	6.6	0.8	6.6	0.5	30	0.3	0.5	<0.1	70	0.69
1300E7525N	Soil		2.5	39.5	5.5	68	0.1	26.0	10.9	565	2.90	6.2	0.5	3.4	0.5	23	0.3	0.4	<0.1	82	0.46

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Project: Bigtime
 Report Date: July 29, 2009

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CERTIFICATE OF ANALYSIS

SMI09000033.1

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	0.1	0.05	1	0.5	
1300E6775N	Soil	0.089	6	34	0.39	191	0.045	1	1.88	0.009	0.06	0.1	0.03	2.7	<0.1	<0.05	9	<0.5
1300E6800N	Soil	0.075	9	34	0.38	461	0.042	2	1.79	0.009	0.08	0.1	0.04	3.2	0.2	<0.05	8	<0.5
1300E6825N	Soil	0.121	5	35	0.37	79	0.047	2	1.96	0.008	0.03	0.1	0.06	2.1	<0.1	<0.05	7	<0.5
1300E6850N	Soil	0.072	6	29	0.24	121	0.069	1	1.36	0.008	0.04	0.1	0.03	2.4	<0.1	<0.05	8	<0.5
1300E6875N	Soil	0.099	5	24	0.25	59	0.051	1	1.27	0.009	0.03	0.1	0.03	1.8	<0.1	<0.05	7	<0.5
1300E6900N	Soil	0.205	6	23	0.43	81	0.059	2	3.27	0.015	0.04	0.2	0.07	3.5	<0.1	<0.05	7	<0.5
1300E6925N	Soil	0.100	5	31	0.25	64	0.082	1	1.44	0.008	0.03	0.1	0.03	2.5	<0.1	<0.05	9	<0.5
1300E6950N	Soil	0.101	5	35	0.32	84	0.043	1	1.94	0.008	0.03	0.1	0.05	2.8	<0.1	<0.05	6	<0.5
1300E6975N	Soil	0.138	5	35	0.35	85	0.053	2	2.45	0.009	0.04	0.2	0.05	3.4	<0.1	<0.05	7	<0.5
1300E7000N	Soil	0.049	7	23	0.20	62	0.088	1	1.15	0.008	0.04	<0.1	0.02	2.2	<0.1	<0.05	9	<0.5
1300E7025N	Soil	0.110	6	30	0.28	99	0.081	2	1.54	0.010	0.04	0.1	0.03	2.6	0.1	<0.05	9	<0.5
1300E7050N	Soil	0.113	6	32	0.31	120	0.080	1	1.52	0.009	0.04	<0.1	0.02	2.6	<0.1	<0.05	9	<0.5
1300E7075N	Soil	0.168	5	35	0.34	71	0.056	2	1.74	0.009	0.03	0.1	0.06	2.3	<0.1	<0.05	7	<0.5
1300E7100N	Soil	0.181	5	35	0.33	81	0.049	1	1.76	0.008	0.03	0.2	0.04	2.7	<0.1	<0.05	6	0.6
1300E7125N	Soil	0.072	4	30	0.21	65	0.049	<1	1.57	0.007	0.02	0.1	0.04	2.0	<0.1	<0.05	6	<0.5
1300E7150N	Soil	0.092	4	35	0.35	65	0.066	<1	1.63	0.010	0.02	0.2	0.03	2.7	<0.1	<0.05	7	<0.5
1300E7175N	Soil	0.071	5	31	0.46	126	0.066	<1	1.77	0.008	0.04	0.1	0.02	2.9	<0.1	<0.05	9	<0.5
1300E7200N	Soil	0.092	5	40	0.39	88	0.041	1	2.50	0.008	0.05	0.1	0.06	2.8	<0.1	<0.05	9	<0.5
1300E7225N	Soil	0.027	5	18	0.11	45	0.048	1	0.71	0.005	0.03	<0.1	0.02	1.4	<0.1	<0.05	7	<0.5
1300E7250N	Soil	0.092	5	35	0.38	63	0.087	<1	1.86	0.008	0.03	0.3	0.04	3.0	<0.1	<0.05	9	<0.5
1300E7275N	Soil	0.098	5	36	0.28	88	0.090	1	1.63	0.007	0.03	0.3	0.07	2.8	0.1	<0.05	9	0.9
1300E7300N	Soil	0.078	4	27	0.27	59	0.047	<1	1.24	0.007	0.03	0.2	0.05	1.9	<0.1	<0.05	7	<0.5
1300E7325N	Soil	0.082	5	34	0.52	62	0.062	2	1.96	0.008	0.03	0.2	0.05	3.1	<0.1	<0.05	6	<0.5
1300E7350N	Soil	0.076	5	30	0.40	47	0.071	<1	2.10	0.008	0.03	0.2	0.07	2.8	<0.1	<0.05	7	0.5
1300E7375N	Soil	0.077	5	28	0.48	67	0.071	<1	1.73	0.008	0.03	<0.1	0.04	3.0	<0.1	<0.05	8	0.5
1300E7400N	Soil	0.117	6	32	0.49	66	0.077	1	1.62	0.009	0.03	0.2	0.05	3.1	<0.1	<0.05	8	<0.5
1300E7425N	Soil	0.053	6	30	0.49	202	0.031	<1	1.91	0.009	0.03	0.1	0.02	2.3	<0.1	<0.05	7	<0.5
1300E7450N	Soil	0.074	10	37	0.69	328	0.030	1	2.80	0.010	0.06	0.3	0.04	3.5	0.1	<0.05	9	<0.5
1300E7475N	Soil	0.074	8	37	0.57	191	0.038	1	1.78	0.010	0.06	0.2	0.05	4.0	<0.1	<0.05	5	<0.5
1300E7525N	Soil	0.058	6	37	0.68	143	0.065	<1	1.76	0.010	0.05	0.2	0.04	3.6	<0.1	<0.05	6	0.8

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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	
1300E7550N	Soil		1.4	23.4	5.4	49	<0.1	16.9	7.7	305	2.96	6.1	0.3	3.3	0.5	17	0.2	0.4	<0.1	83	0.31
1300E7575N	Soil		1.0	27.5	5.5	44	<0.1	18.4	7.0	307	3.30	5.9	0.4	5.5	0.9	14	0.1	0.4	<0.1	86	0.18
1300E7600N	Soil		1.8	22.1	6.7	51	0.2	15.9	8.8	401	4.50	8.6	0.4	7.5	1.0	14	0.1	0.5	0.1	124	0.23
1300E7625N	Soil		1.1	14.3	6.1	31	0.2	12.5	4.7	180	2.18	3.0	0.3	3.0	0.4	14	0.1	0.4	0.1	64	0.19
1300E7650N	Soil		3.3	38.5	5.5	73	0.2	19.1	8.6	740	2.58	5.0	0.6	8.2	0.2	22	0.4	0.4	0.1	80	0.63
1300E7700N	Soil		3.2	37.9	5.8	78	0.1	25.2	10.4	391	3.03	5.6	0.4	11.3	0.2	20	0.1	0.4	0.1	87	0.34
1300E7725N	Soil		2.9	25.9	7.5	60	0.1	13.7	6.9	450	3.14	6.3	0.3	2.0	0.3	22	0.1	0.5	0.1	107	0.57
1300E7750N	Soil		4.1	20.8	7.0	60	0.1	12.9	7.3	629	3.62	6.8	0.4	11.4	0.2	13	0.2	0.5	0.1	115	0.13
1300E7775N	Soil		9.6	68.0	8.0	98	0.2	28.7	11.6	1267	2.90	4.1	0.5	0.9	0.1	26	0.3	0.4	0.1	83	0.61
1300E7800N	Soil		4.4	681.2	12.1	175	0.7	58.0	24.5	1358	4.69	23.8	3.0	15.3	1.1	33	0.4	1.0	0.2	116	1.46
1300E7825N	Soil		6.0	63.0	7.8	65	<0.1	27.1	15.3	649	3.27	6.7	0.4	7.3	0.8	21	0.2	0.5	0.2	98	0.57
1300E7850N	Soil		9.9	27.5	7.8	48	0.2	15.8	9.0	288	4.37	8.3	0.4	4.8	0.5	12	0.2	0.5	0.6	152	0.16
1300E7925N	Soil		31.2	164.3	7.3	107	1.0	33.2	12.6	959	3.59	9.4	1.9	9.6	0.6	28	0.8	0.6	0.2	93	0.71
1300E7950N	Soil		2.8	12.8	11.7	28	0.1	9.9	3.9	258	2.30	11.1	0.3	3.0	0.7	9	0.1	0.5	0.3	104	0.08
1300E7975N	Soil		1.5	19.1	7.5	38	0.1	13.6	5.9	265	2.94	6.0	0.3	6.3	0.6	12	0.3	0.5	0.1	107	0.12
1300E8000N	Soil		1.6	27.3	7.2	65	0.2	22.6	9.1	498	3.78	7.0	0.3	7.3	0.8	13	0.1	0.5	0.1	118	0.14
1300E8025N	Soil		1.7	25.1	8.0	55	0.2	15.7	8.0	442	5.10	9.6	0.4	3.0	0.5	13	0.1	0.6	0.1	145	0.11
1300E8050N	Soil		9.8	37.4	8.1	117	0.2	24.3	15.8	2783	3.62	5.6	0.4	3.6	0.3	22	0.4	0.5	0.1	101	0.59
1300E8075N	Soil		3.7	45.6	8.0	58	<0.1	20.0	9.6	329	4.54	18.9	0.4	9.2	0.5	15	0.2	0.6	0.3	129	0.20
1300E8100N	Soil		6.2	65.9	5.7	62	0.3	29.9	13.6	878	3.35	7.1	0.8	13.1	0.6	26	0.4	0.5	0.1	99	0.86
1300E8125N	Soil		5.1	24.7	5.5	60	0.1	18.0	8.4	304	3.36	6.0	0.3	4.6	0.4	17	0.2	0.4	0.2	99	0.25
1300E8150N	Soil		2.5	23.1	4.8	78	0.5	16.6	7.7	1361	2.48	3.8	0.4	1.7	0.2	22	0.4	0.3	0.1	76	0.60
1300E8175N	Soil		0.9	11.9	6.1	26	<0.1	8.0	3.8	190	2.56	4.5	0.2	1.7	0.5	11	<0.1	0.3	0.1	94	0.11
1300E8200N	Soil		1.7	23.9	5.5	46	0.2	15.1	7.2	417	3.98	8.0	0.2	2.8	0.4	11	0.1	0.4	0.2	115	0.12
1300E8225N	Soil		1.2	22.4	6.3	46	0.2	17.5	7.2	308	4.28	7.9	0.2	4.3	0.6	12	0.2	0.4	0.1	111	0.12
1300E8250N	Soil		1.7	39.8	7.8	65	0.3	26.7	11.7	554	5.69	11.8	0.3	3.3	0.8	14	0.2	0.5	0.2	149	0.18
1500E7250N	Soil		2.5	15.3	8.0	44	<0.1	9.7	4.7	747	2.46	3.7	0.7	1.1	0.1	39	0.3	0.3	0.2	81	0.34
1500E7275N	Soil		1.1	16.9	5.9	35	0.2	13.1	4.6	210	2.60	4.6	0.3	3.5	0.1	13	0.1	0.4	0.1	76	0.07
1500E7300N	Soil		0.7	9.2	6.8	20	0.2	6.2	2.6	136	2.14	3.5	0.3	1.3	0.3	10	0.1	0.3	0.1	72	0.06
1500E7325N	Soil		1.0	16.2	6.9	43	0.2	14.1	6.2	399	3.87	7.4	0.3	1.3	0.7	13	<0.1	0.4	0.1	101	0.11

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

Project: Bigtime
 Report Date: July 29, 2009

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CERTIFICATE OF ANALYSIS

SMI09000033.1

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	0.1	0.05	1	0.5	
1300E7550N	Soil	0.040	5	28	0.48	87	0.064	<1	1.36	0.009	0.03	0.2	0.02	2.8	<0.1	<0.05	6	<0.5
1300E7575N	Soil	0.070	6	32	0.44	68	0.072	<1	1.86	0.009	0.03	0.1	0.05	3.2	<0.1	<0.05	6	0.6
1300E7600N	Soil	0.186	6	32	0.50	65	0.102	<1	1.76	0.009	0.03	0.3	0.04	3.0	<0.1	<0.05	9	<0.5
1300E7625N	Soil	0.074	6	26	0.34	58	0.070	<1	1.15	0.008	0.03	0.2	0.02	2.2	<0.1	<0.05	6	<0.5
1300E7650N	Soil	0.062	7	32	0.57	120	0.050	<1	1.69	0.009	0.03	0.2	0.05	3.1	<0.1	<0.05	6	0.7
1300E7700N	Soil	0.062	6	38	0.71	115	0.049	<1	1.99	0.009	0.04	0.1	0.03	3.0	<0.1	<0.05	7	<0.5
1300E7725N	Soil	0.042	5	32	0.42	109	0.079	<1	1.48	0.008	0.04	0.2	0.04	2.6	<0.1	<0.05	8	0.8
1300E7750N	Soil	0.056	5	33	0.43	78	0.073	<1	1.48	0.008	0.03	0.3	0.04	2.3	<0.1	<0.05	8	<0.5
1300E7775N	Soil	0.084	9	43	0.67	161	0.030	<1	2.04	0.009	0.04	0.3	0.03	2.0	<0.1	<0.05	6	<0.5
1300E7800N	Soil	0.131	21	118	1.45	372	0.024	3	4.16	0.012	0.18	0.2	0.23	21.2	0.2	0.07	11	1.0
1300E7825N	Soil	0.066	5	46	0.91	88	0.088	1	1.46	0.010	0.06	0.4	0.02	4.5	<0.1	<0.05	5	<0.5
1300E7850N	Soil	0.051	4	42	0.58	52	0.137	1	1.84	0.010	0.03	0.3	0.08	3.2	<0.1	<0.05	10	<0.5
1300E7925N	Soil	0.098	14	56	0.61	129	0.083	2	2.34	0.014	0.05	0.3	0.14	8.1	<0.1	0.06	7	1.3
1300E7950N	Soil	0.036	6	27	0.18	40	0.142	<1	1.10	0.008	0.02	0.2	0.03	2.1	<0.1	<0.05	10	<0.5
1300E7975N	Soil	0.064	4	32	0.38	55	0.104	<1	1.29	0.010	0.03	0.2	0.03	2.4	<0.1	<0.05	8	<0.5
1300E8000N	Soil	0.072	5	42	0.57	66	0.118	1	1.57	0.009	0.05	0.1	0.02	3.2	<0.1	<0.05	8	<0.5
1300E8025N	Soil	0.125	4	35	0.45	87	0.088	<1	1.75	0.010	0.03	0.2	0.03	3.1	<0.1	<0.05	9	<0.5
1300E8050N	Soil	0.063	7	41	0.72	211	0.065	1	2.08	0.011	0.06	<0.1	0.05	3.2	<0.1	<0.05	8	0.7
1300E8075N	Soil	0.044	4	37	0.52	106	0.092	1	1.80	0.012	0.03	0.3	0.04	3.5	<0.1	<0.05	8	<0.5
1300E8100N	Soil	0.093	8	45	0.76	67	0.079	2	1.51	0.012	0.04	0.2	0.04	4.7	<0.1	<0.05	5	1.0
1300E8125N	Soil	0.043	5	35	0.56	95	0.087	2	1.61	0.009	0.04	0.2	0.03	2.7	<0.1	<0.05	8	<0.5
1300E8150N	Soil	0.065	6	36	0.48	140	0.047	2	1.70	0.008	0.04	0.1	0.06	2.3	<0.1	<0.05	6	<0.5
1300E8175N	Soil	0.040	5	25	0.20	58	0.089	2	1.11	0.008	0.02	0.1	0.02	2.1	<0.1	<0.05	8	<0.5
1300E8200N	Soil	0.106	5	41	0.42	70	0.064	2	1.38	0.008	0.03	0.2	0.03	2.5	<0.1	<0.05	7	<0.5
1300E8225N	Soil	0.093	4	39	0.48	50	0.102	2	1.99	0.007	0.03	0.1	0.06	2.7	<0.1	<0.05	8	0.6
1300E8250N	Soil	0.313	4	54	0.77	68	0.106	2	2.53	0.009	0.04	0.3	0.07	3.3	<0.1	<0.05	9	<0.5
1500E7250N	Soil	0.048	10	23	0.21	103	0.064	2	1.48	0.010	0.05	<0.1	0.03	1.7	<0.1	<0.05	10	<0.5
1500E7275N	Soil	0.044	5	30	0.21	59	0.041	1	1.36	0.006	0.04	<0.1	0.03	1.6	<0.1	<0.05	7	<0.5
1500E7300N	Soil	0.034	5	22	0.15	45	0.079	2	1.19	0.006	0.03	<0.1	0.02	1.9	<0.1	<0.05	8	<0.5
1500E7325N	Soil	0.120	5	31	0.37	55	0.095	2	1.39	0.008	0.04	<0.1	0.04	2.9	<0.1	<0.05	9	<0.5

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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 Report Date: July 29, 2009

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CERTIFICATE OF ANALYSIS

SMI09000033.1

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	
1500E7375N	Soil		0.5	5.7	6.2	11	0.1	4.3	1.4	141	0.93	1.1	0.2	1.8	0.2	8	<0.1	0.3	0.2	40	0.06
1500E7400N	Soil		0.9	15.8	5.3	28	<0.1	10.3	4.3	196	2.40	4.0	0.2	2.7	0.2	12	<0.1	0.3	0.2	93	0.08
1500E7425N	Soil		2.6	133.2	8.3	125	0.3	32.5	18.0	1610	3.97	23.3	2.8	2.5	0.5	40	0.7	0.5	0.2	107	0.82
1500E7450N	Soil		2.0	121.0	7.6	129	0.4	31.2	15.2	1366	3.65	21.1	2.3	<0.5	0.3	50	0.7	0.6	0.2	97	1.16
1500E7475N	Soil		1.5	17.3	7.7	34	0.1	10.6	4.7	245	3.68	5.9	0.3	2.5	0.2	12	0.2	0.5	0.2	106	0.09
1500E7500N	Soil		4.1	71.3	7.5	149	0.7	25.3	12.5	1514	4.01	10.5	0.8	3.8	0.3	35	0.9	0.8	0.2	96	0.90
1500E7525N	Soil		3.5	29.5	6.6	115	0.2	21.5	9.7	508	3.29	23.0	0.4	104.5	0.2	29	0.3	0.5	1.5	85	0.68
1500E7550N	Soil		4.2	28.3	7.4	68	0.2	22.0	7.0	223	2.52	4.2	0.4	1.8	0.2	23	0.2	0.3	0.2	85	0.25
1500E7650N	Soil		3.9	46.2	6.9	92	0.1	27.3	12.8	489	4.64	11.2	0.5	18.9	0.4	20	0.4	0.5	0.1	113	0.24
1500E7675N	Soil		1.6	20.3	9.0	37	0.1	11.3	4.7	199	2.80	5.2	0.4	3.3	0.1	14	0.2	0.4	0.2	82	0.10
1500E7700N	Soil		0.7	10.1	8.3	21	0.3	7.2	2.4	88	1.15	2.5	0.3	3.0	<0.1	13	<0.1	0.3	0.2	51	0.09



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CERTIFICATE OF ANALYSIS

SMI09000033.1

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	0.1	0.05	1	0.5	
1500E7375N	Soil	0.023	6	15	0.06	28	0.047	2	0.65	0.004	0.03	<0.1	0.02	1.0	<0.1	<0.05	8	<0.5
1500E7400N	Soil	0.031	6	33	0.21	47	0.068	2	0.90	0.006	0.03	<0.1	0.02	1.9	<0.1	<0.05	9	<0.5
1500E7425N	Soil	0.084	13	45	0.77	223	0.035	1	3.44	0.011	0.07	0.2	0.04	5.9	0.1	<0.05	9	1.0
1500E7450N	Soil	0.102	12	46	0.75	220	0.044	1	3.24	0.013	0.09	0.2	0.06	5.8	0.1	<0.05	9	1.3
1500E7475N	Soil	0.049	5	31	0.19	65	0.080	1	1.31	0.008	0.03	0.2	0.03	1.8	<0.1	<0.05	8	<0.5
1500E7500N	Soil	0.102	11	43	0.63	263	0.032	2	2.73	0.010	0.06	0.2	0.07	4.2	<0.1	<0.05	8	0.8
1500E7525N	Soil	0.067	6	37	0.64	200	0.045	2	2.05	0.013	0.05	0.1	0.04	2.6	<0.1	<0.05	8	0.5
1500E7550N	Soil	0.049	7	43	0.40	203	0.032	1	1.85	0.012	0.04	0.1	0.03	2.4	<0.1	<0.05	8	<0.5
1500E7650N	Soil	0.060	7	44	0.72	162	0.078	2	2.26	0.008	0.06	0.2	0.05	3.6	<0.1	<0.05	9	<0.5
1500E7675N	Soil	0.074	6	29	0.17	119	0.052	1	1.50	0.007	0.04	<0.1	0.06	1.7	<0.1	<0.05	9	<0.5
1500E7700N	Soil	0.022	6	21	0.15	115	0.050	<1	1.18	0.007	0.03	<0.1	0.03	1.3	<0.1	<0.05	8	<0.5



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 Report Date: July 29, 2009

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QUALITY CONTROL REPORT

SMI09000033.1

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
Pulp Duplicates																				
1300E6900N	Soil	0.9	23.4	7.7	94	0.4	18.2	8.5	732	2.60	7.0	0.4	2.1	0.7	38	0.5	0.5	<0.1	63	0.52
REP 1300E N6900	QC	0.8	22.7	7.1	91	0.4	16.8	8.5	733	2.53	7.0	0.4	2.3	0.6	37	0.4	0.6	<0.1	66	0.54
1300E7275N	Soil	1.3	29.6	7.6	53	0.2	19.3	6.6	316	4.31	7.1	0.4	9.9	0.4	11	0.2	0.6	0.1	111	0.08
REP 1300E N7275	QC	1.4	29.2	8.5	53	0.2	19.4	6.4	306	4.33	7.4	0.3	5.4	0.4	11	0.1	0.4	0.2	112	0.08
1300E8025N	Soil	1.7	25.1	8.0	55	0.2	15.7	8.0	442	5.10	9.6	0.4	3.0	0.5	13	0.1	0.6	0.1	145	0.11
REP 1300E N8025	QC	1.5	24.2	7.6	55	0.2	16.6	8.1	437	5.11	9.7	0.3	2.7	0.5	12	0.2	0.6	0.2	143	0.11
1300E8200N	Soil	1.7	23.9	5.5	46	0.2	15.1	7.2	417	3.98	8.0	0.2	2.8	0.4	11	0.1	0.4	0.2	115	0.12
REP 1300E N8200	QC	1.7	22.5	5.6	44	0.2	14.7	6.8	403	3.79	7.8	0.2	14.3	0.4	11	0.2	0.4	0.2	110	0.10
1500E7450N	Soil	2.0	121.0	7.6	129	0.4	31.2	15.2	1366	3.65	21.1	2.3	<0.5	0.3	50	0.7	0.6	0.2	97	1.16
REP 1500E N7450	QC	2.1	120.3	7.7	132	0.4	33.0	16.5	1368	3.66	21.6	2.4	2.7	0.3	50	0.6	0.6	0.2	102	1.18
Reference Materials																				
STD DS7	Standard	20.9	109.3	68.4	379	0.8	57.5	9.2	620	2.40	48.1	5.1	83.0	4.4	68	5.6	5.5	3.7	84	0.94
STD DS7	Standard	23.1	110.9	68.1	413	0.9	58.6	10.4	701	2.62	56.7	4.9	65.7	4.5	84	6.6	5.0	4.7	93	0.99
STD DS7	Standard	19.9	105.9	67.2	387	0.8	53.2	9.7	626	2.41	51.2	5.0	61.3	4.4	70	6.7	5.9	4.8	83	0.94
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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



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QUALITY CONTROL REPORT

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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	0.1	0.05	1	0.5	
Pulp Duplicates																		
1300E6900N	Soil	0.205	6	23	0.43	81	0.059	2	3.27	0.015	0.04	0.2	0.07	3.5	<0.1	<0.05	7	<0.5
REP 1300E N6900	QC	0.198	6	23	0.44	82	0.060	2	3.29	0.014	0.04	0.2	0.09	3.4	<0.1	<0.05	7	<0.5
1300E7275N	Soil	0.098	5	36	0.28	88	0.090	1	1.63	0.007	0.03	0.3	0.07	2.8	0.1	<0.05	9	0.9
REP 1300E N7275	QC	0.095	5	36	0.28	89	0.087	1	1.62	0.007	0.04	0.3	0.03	2.8	<0.1	<0.05	9	<0.5
1300E8025N	Soil	0.125	4	35	0.45	87	0.088	<1	1.75	0.010	0.03	0.2	0.03	3.1	<0.1	<0.05	9	<0.5
REP 1300E N8025	QC	0.127	4	35	0.44	91	0.089	<1	1.68	0.010	0.03	0.1	0.04	3.0	<0.1	<0.05	9	<0.5
1300E8200N	Soil	0.106	5	41	0.42	70	0.064	2	1.38	0.008	0.03	0.2	0.03	2.5	<0.1	<0.05	7	<0.5
REP 1300E N8200	QC	0.105	4	38	0.42	66	0.062	1	1.36	0.007	0.03	0.2	0.03	2.3	<0.1	<0.05	7	<0.5
1500E7450N	Soil	0.102	12	46	0.75	220	0.044	1	3.24	0.013	0.09	0.2	0.06	5.8	0.1	<0.05	9	1.3
REP 1500E N7450	QC	0.110	12	47	0.75	227	0.043	5	3.31	0.013	0.09	0.2	0.05	5.8	0.1	<0.05	9	1.4
Reference Materials																		
STD DS7	Standard	0.076	13	212	1.04	404	0.116	37	1.04	0.099	0.43	4.0	0.21	2.5	4.1	0.18	5	3.4
STD DS7	Standard	0.086	15	244	1.08	433	0.121	42	1.13	0.102	0.48	4.1	0.21	2.5	4.2	0.18	5	3.6
STD DS7	Standard	0.085	13	197	1.01	398	0.121	41	1.00	0.098	0.47	3.9	0.20	2.4	4.3	0.19	5	3.5
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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



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Acme Analytical Laboratories (Vancouver) Ltd.

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

Submitted By: Email Distribution List
 Receiving Lab: Canada-Smithers
 Received: July 21, 2009
 Report Date: August 10, 2009
 Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI09000034.2

CLIENT JOB INFORMATION

Project: Bigtime
 Shipment ID: BIGT_SSN09-01_71909
 P.O. Number
 Number of Samples: 33

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	Lab
R150	33	Crush, split and pulverize rock to 150 mesh			VAN
1DX30	33	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
DIS-RJT	33	Warehouse handling / Disposition of reject			SMI
7AR	2	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN

ADDITIONAL COMMENTS

Version 2: 7AR Cu included



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Project: Bigtime
 Report Date: August 10, 2009

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CERTIFICATE OF ANALYSIS

SMI09000034.2

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	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	
B880600	Rock	0.77	0.5	54.9	1.9	42	0.1	40.8	16.5	518	5.13	2.3	0.2	4.0	0.4	18	<0.1	0.3	0.2	192	0.30
B880601	Rock	0.74	0.2	206.5	0.5	59	0.1	28.1	30.6	1141	4.87	5.6	0.2	5.2	0.3	69	<0.1	0.4	<0.1	185	5.33
B880602	Rock	1.03	0.6	83.3	2.8	46	0.3	17.6	25.5	749	3.91	22.3	0.1	5.6	0.2	87	<0.1	0.6	<0.1	92	3.92
B880603	Rock	0.98	0.4	91.8	1.8	63	<0.1	18.2	18.9	801	2.79	4.2	0.2	3.6	0.2	145	<0.1	0.7	<0.1	114	8.18
B880604	Rock	0.82	85.9	130.0	1.4	17	0.1	18.8	14.4	355	2.14	0.9	0.1	<0.5	0.4	34	0.2	0.2	0.3	47	5.78
B880605	Rock	0.97	61.8	284.5	3.0	7	0.1	18.8	12.4	100	1.64	43.8	0.1	2.7	0.5	7	0.2	0.3	0.5	19	0.24
B880606	Rock	0.89	54.0	1276	3.1	32	0.7	33.8	33.8	886	4.72	407.8	0.3	0.8	0.2	15	0.3	2.0	0.6	111	0.15
B880607	Rock	0.84	14.3	293.4	1.1	12	0.1	16.1	17.0	213	1.97	7.0	0.1	2.1	0.2	20	<0.1	0.2	1.0	35	2.46
B880608	Rock	0.89	26.0	1420	2.3	10	0.4	34.6	34.2	871	3.38	44.2	0.3	18.3	0.3	8	0.1	2.4	1.5	44	0.92
B880609	Rock	0.86	186.2	125.6	2.0	2	0.7	13.0	9.7	30	3.47	12.3	0.2	42.6	0.8	6	0.2	0.3	18.4	40	0.14
B880610	Rock	0.79	15.3	923.5	7.9	24	0.9	38.1	34.5	474	7.38	26.1	0.3	53.8	0.4	26	<0.1	2.2	9.3	139	1.01
B880611	Rock	0.55	27.2	353.2	1.1	55	0.2	19.0	14.7	362	3.05	3.5	0.1	2.9	0.6	20	<0.1	0.2	0.3	109	1.74
B880612	Rock	0.81	39.2	268.3	2.1	27	0.2	18.3	17.0	367	3.68	4.7	0.2	3.8	0.9	46	0.1	0.1	0.2	134	3.98
B880613	Rock	0.87	0.8	31.4	4.0	14	0.2	11.2	14.6	400	2.52	14.6	4.3	0.7	0.2	39	<0.1	0.5	0.8	29	8.23
B880614	Rock	0.93	1.1	225.3	12.6	41	2.3	46.2	4.5	199	13.13	55.1	0.2	91.1	0.6	8	<0.1	0.4	6.2	283	0.08
B880615	Rock	1.01	1.1	28.6	1.2	29	0.1	34.5	26.6	396	3.09	11.5	0.3	7.8	0.6	17	<0.1	1.1	1.3	120	1.69
B880616	Rock	1.20	1.6	35.7	7.5	37	<0.1	7.8	21.3	293	5.16	16.4	0.3	1.4	1.0	10	<0.1	2.2	0.2	198	0.78
B880617	Rock	0.87	0.6	6.3	10.5	53	0.9	73.6	88.1	910	8.28	142.7	0.8	52.3	0.4	81	<0.1	1.7	7.9	92	4.62
B880618	Rock	0.97	6.0	97.0	42.4	61	0.8	104.0	35.3	444	7.77	10.4	0.3	33.4	0.4	21	<0.1	2.2	0.3	260	0.44
B880619	Rock	1.10	1.0	422.8	9.2	149	1.1	72.5	42.9	1452	7.61	96.9	0.2	44.4	0.4	54	<0.1	1.5	5.0	180	5.58
B880620	Rock	0.85	6.3	13.7	1.1	8	<0.1	45.8	15.5	873	2.24	4.6	0.4	5.6	0.8	44	<0.1	0.5	0.6	44	5.45
B880621	Rock	1.67	1.1	1601	4.4	324	0.5	23.9	39.4	1616	7.90	22.7	0.2	<0.5	0.5	10	0.9	0.3	0.1	115	0.59
B880622	Rock	1.08	0.4	2702	1.6	301	<0.1	26.4	84.1	1500	8.16	3.3	<0.1	<0.5	0.3	5	1.1	0.1	<0.1	151	1.32
B880623	Rock	1.19	1.2	1056	322.2	468	3.9	24.3	12.8	1284	7.03	138.0	0.1	31.6	0.3	2	1.4	7.3	2.6	98	0.10
B880624	Rock	1.51	0.7	606.3	10.8	54	7.6	7.8	62.6	396	10.49	118.2	0.1	45.0	0.4	5	<0.1	1.6	6.6	210	0.05
B880625	Rock	1.17	2.1	271.7	9.8	62	7.8	17.2	21.8	586	9.16	270.1	0.1	290.5	0.4	4	0.2	0.8	0.4	222	0.11
B880626	Rock	1.02	0.7	10.1	3.7	34	0.1	0.9	1.9	561	1.98	1.6	0.3	<0.5	1.8	15	0.2	0.2	<0.1	8	0.29
B880627	Rock	1.35	0.6	8149	14.5	84	22.4	7.8	12.9	1125	3.07	12.7	0.4	8.1	0.4	47	0.9	0.8	0.1	221	13.96
B880628	Rock	1.87	0.2	>10000	1.9	50	8.5	6.9	15.4	868	2.56	4.3	0.3	1.6	0.5	55	0.2	1.2	<0.1	62	8.53
B880629	Rock	0.87	0.2	3517	2.3	85	1.7	3.9	13.5	1076	2.80	4.6	0.2	<0.5	0.4	53	0.3	0.5	<0.1	77	2.44

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Project: Bigtime
 Report Date: August 10, 2009

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CERTIFICATE OF ANALYSIS

SMI09000034.2

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7AR
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Cu	
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	0.001	
B880600	Rock	0.068	2	123	2.39	30	0.198	<1	2.39	0.052	0.05	<0.1	<0.01	12.9	<0.1	<0.05	9	3.5	N.A.
B880601	Rock	0.080	2	37	2.26	12	0.190	<1	2.91	0.024	0.05	0.4	<0.01	10.8	<0.1	0.08	9	<0.5	N.A.
B880602	Rock	0.071	2	26	1.82	5	0.159	1	2.23	0.029	<0.01	0.2	0.01	5.1	<0.1	0.28	8	<0.5	N.A.
B880603	Rock	0.059	2	26	1.68	5	0.243	3	1.94	0.014	<0.01	0.3	<0.01	6.2	<0.1	0.11	6	0.7	N.A.
B880604	Rock	0.105	8	14	0.43	19	0.004	5	0.72	0.044	0.21	0.1	0.02	4.3	<0.1	0.31	3	1.7	N.A.
B880605	Rock	0.045	6	18	0.06	39	0.004	4	0.51	0.031	0.17	<0.1	0.01	3.6	<0.1	<0.05	1	2.0	N.A.
B880606	Rock	0.077	4	20	0.04	118	0.002	4	0.86	0.002	0.13	0.4	0.32	7.2	0.2	0.28	2	7.5	N.A.
B880607	Rock	0.078	4	11	0.21	29	0.002	5	0.37	0.042	0.15	0.1	0.01	4.3	<0.1	0.83	1	5.2	N.A.
B880608	Rock	0.080	6	23	0.25	94	0.001	6	0.60	0.009	0.27	0.5	0.08	8.2	<0.1	0.85	1	9.8	N.A.
B880609	Rock	0.120	3	62	0.11	46	0.011	<1	0.23	0.025	0.16	3.0	0.06	2.7	<0.1	1.17	2	15.9	N.A.
B880610	Rock	0.077	5	72	1.24	102	0.128	4	1.51	0.093	0.35	1.3	0.16	9.3	<0.1	0.88	5	49.9	N.A.
B880611	Rock	0.105	10	25	0.98	42	0.015	3	0.91	0.044	0.08	0.5	0.02	9.4	<0.1	0.32	6	2.7	N.A.
B880612	Rock	0.152	11	26	0.87	78	0.013	9	0.77	0.067	0.14	1.2	0.02	10.2	<0.1	0.26	4	2.0	N.A.
B880613	Rock	0.331	7	11	0.49	279	0.004	4	0.99	0.012	0.23	0.3	0.12	4.9	<0.1	0.61	2	1.2	N.A.
B880614	Rock	0.095	4	335	1.88	39	0.064	<1	1.40	0.007	0.19	0.2	0.18	10.4	<0.1	0.34	14	44.2	N.A.
B880615	Rock	0.119	4	55	1.48	21	0.188	2	1.24	0.085	0.08	1.0	0.02	4.1	<0.1	0.52	6	3.7	N.A.
B880616	Rock	0.096	6	2	1.16	13	0.467	<1	1.42	0.061	0.06	0.5	0.05	2.8	<0.1	1.59	11	1.5	N.A.
B880617	Rock	0.089	3	278	2.48	5	0.125	<1	2.00	0.010	0.05	5.6	0.04	5.7	<0.1	3.72	6	9.5	N.A.
B880618	Rock	0.133	4	294	2.64	39	0.269	2	2.04	0.033	0.12	0.7	0.09	15.6	<0.1	3.54	10	5.3	N.A.
B880619	Rock	0.090	5	129	2.82	19	0.207	2	2.23	0.018	0.06	7.1	0.02	9.3	<0.1	2.95	10	4.8	N.A.
B880620	Rock	0.067	6	49	0.49	80	0.009	4	0.80	0.025	0.22	0.4	0.03	5.0	<0.1	0.53	3	1.9	N.A.
B880621	Rock	0.099	8	31	1.89	288	0.024	1	3.90	0.005	0.07	0.2	0.01	7.2	<0.1	0.09	9	3.0	N.A.
B880622	Rock	0.067	14	51	1.98	58	0.011	2	4.23	0.003	0.13	<0.1	<0.01	9.8	<0.1	<0.05	10	1.4	N.A.
B880623	Rock	0.047	1	47	2.60	33	0.060	2	2.51	0.002	0.05	0.1	0.14	5.7	0.5	4.79	7	20.7	N.A.
B880624	Rock	0.071	2	6	1.34	29	0.008	<1	2.78	0.030	0.21	<0.1	0.13	8.8	<0.1	2.79	10	2.2	N.A.
B880625	Rock	0.083	2	41	1.63	38	0.025	<1	2.27	0.026	0.12	0.2	0.03	10.5	<0.1	4.13	12	2.5	N.A.
B880626	Rock	0.084	21	4	0.04	363	0.019	2	0.40	0.014	0.29	<0.1	<0.01	1.8	<0.1	<0.05	2	<0.5	N.A.
B880627	Rock	0.071	4	20	1.23	129	0.189	19	4.13	0.018	0.02	0.1	0.02	5.9	<0.1	0.26	15	0.6	N.A.
B880628	Rock	0.106	5	5	0.52	486	0.065	4	1.07	0.029	0.25	<0.1	0.54	3.5	<0.1	0.29	3	0.8	1.429
B880629	Rock	0.112	5	9	1.29	317	0.130	2	1.69	0.040	0.02	<0.1	0.03	3.4	<0.1	0.08	6	<0.5	N.A.

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 Vancouver BC V6C 2V6 Canada

Project: Bigtime
Report Date: August 10, 2009

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CERTIFICATE OF ANALYSIS

SMI09000034.2

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
B880630	Rock	1.02	4.6	880.3	10.0	42	3.8	13.5	24.2	371	22.28	225.2	<0.1	358.8	0.4	2	<0.1	0.8	9.4	341	0.05
B880631	Rock	1.13	0.7	>10000	8.8	277	41.3	25.5	52.6	1604	4.65	1646	<0.1	56.1	<0.1	83	5.0	>2000	<0.1	98	7.87
B880632	Rock	0.78	86.8	2722	0.9	9	1.8	40.6	28.4	236	4.40	8.6	0.3	7.9	0.3	9	<0.1	6.8	3.5	58	1.09



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Project: Bigtime
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CERTIFICATE OF ANALYSIS

SMI09000034.2

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7AR	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Cu	
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	0.001	
B880630	Rock	0.090	1	255	1.80	52	0.010	<1	2.69	0.002	0.11	0.3	0.22	16.7	<0.1	1.61	18	5.7	N.A.
B880631	Rock	0.188	9	103	0.53	320	0.068	29	0.66	0.105	0.31	<0.1	>100	38.0	<0.1	0.47	7	27.5	3.263
B880632	Rock	0.051	3	46	0.79	78	0.009	2	1.08	0.028	0.18	0.7	6.80	4.8	<0.1	1.67	3	13.2	N.A.



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QUALITY CONTROL REPORT

SMI09000034.2

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																					
B880622	Rock	1.08	0.4	2702	1.6	301	<0.1	26.4	84.1	1500	8.16	3.3	<0.1	<0.5	0.3	5	1.1	0.1	<0.1	151	1.32
REP B880622	QC		0.3	2666	1.6	305	<0.1	26.1	84.8	1470	8.02	3.7	<0.1	<0.5	0.3	6	1.0	0.1	<0.1	148	1.30
B880628	Rock	1.87	0.2	>10000	1.9	50	8.5	6.9	15.4	868	2.56	4.3	0.3	1.6	0.5	55	0.2	1.2	<0.1	62	8.53
REP B880628	QC																				
Reference Materials																					
STD DS7	Standard		20.0	103.7	69.2	417	0.8	57.7	9.6	633	2.46	52.5	4.8	74.2	4.2	74	6.1	6.1	4.7	85	0.96
STD DS7	Standard		20.1	107.1	67.5	384	0.8	58.2	9.2	600	2.38	50.4	4.6	71.8	4.3	73	5.7	5.2	4.3	79	0.94
STD GC-7	Standard																				
STD R4A	Standard																				
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
STD GC-7 Expected																					
STD R4A Expected																					
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																				
Prep Wash																					
G1	Prep Blank		<0.1	1.6	2.4	44	<0.1	3.8	4.1	546	2.07	<0.5	1.6	5.1	3.7	72	<0.1	<0.1	0.1	41	0.58
G1	Prep Blank		<0.1	1.7	2.5	50	<0.1	3.5	4.1	563	2.05	<0.5	1.8	1.9	3.9	63	<0.1	<0.1	<0.1	41	0.57



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Project: Bigtime
Report Date: August 10, 2009

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QUALITY CONTROL REPORT

SMI09000034.2

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7AR		
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Cu	
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	0.001	
Pulp Duplicates																				
B880622	Rock	0.067	14	51	1.98	58	0.011	2	4.23	0.003	0.13	<0.1	<0.01	9.8	<0.1	<0.05	10	1.4	N.A.	
REP B880622	QC	0.067	14	51	1.94	57	0.010	2	4.16	0.003	0.13	<0.1	<0.01	9.5	<0.1	<0.05	9	1.5		
B880628	Rock	0.106	5	5	0.52	486	0.065	4	1.07	0.029	0.25	<0.1	0.54	3.5	<0.1	0.29	3	0.8	1.429	
REP B880628	QC																			1.415
Reference Materials																				
STD DS7	Standard	0.080	12	210	1.07	409	0.123	40	1.04	0.096	0.48	3.9	0.20	2.4	4.1	0.20	5	4.1		
STD DS7	Standard	0.075	12	209	1.02	385	0.123	36	1.01	0.086	0.43	3.5	0.20	2.5	3.7	0.19	5	3.3		
STD GC-7	Standard																			0.558
STD R4A	Standard																			0.502
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5		
STD GC-7 Expected																				0.555
STD R4A Expected																				0.502
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
Prep Wash																				
G1	Prep Blank	0.079	8	23	0.57	223	0.110	<1	1.04	0.100	0.52	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	N.A.	
G1	Prep Blank	0.086	9	22	0.61	253	0.130	1	1.04	0.096	0.59	<0.1	<0.01	2.2	0.4	<0.05	5	<0.5	N.A.	



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Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: July 22, 2009
Report Date: July 30, 2009
Page: 1 of 5

CERTIFICATE OF ANALYSIS

SMI09000035.1

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-03_72109
P.O. Number
Number of Samples: 104

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: ahldata

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	104	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	104	Dry at 60C			SMI
1DX15	101	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Bigtime
 Report Date: July 30, 2009

Page: 2 of 5 Part 1

CERTIFICATE OF ANALYSIS

SMI09000035.1

Method Analyte Unit MDL	WGHT	1DX15	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	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	
1300E6750N	Soil		0.8	16.1	5.9	33	<0.1	7.7	4.2	196	2.89	6.1	0.5	2.1	0.4	10	<0.1	0.5	0.2	75	0.08
1500E6750N	Soil		1.0	22.6	6.9	36	0.1	10.6	4.4	175	2.55	4.3	0.3	3.7	0.1	10	<0.1	0.4	0.2	75	0.07
1500E6775N	Soil		1.3	29.9	6.8	57	<0.1	21.7	6.9	259	3.21	6.1	0.4	1.9	0.2	11	0.2	0.6	0.1	73	0.09
1500E6800N	Soil		1.6	25.0	6.1	41	0.2	14.0	4.6	196	2.06	3.4	0.7	1.9	0.1	17	0.2	0.4	0.1	63	0.21
1500E6825N	Soil		3.3	22.0	6.0	49	0.4	14.7	7.9	916	1.91	3.5	1.1	3.5	<0.1	26	0.2	0.4	0.1	58	0.35
1500E6850N	Soil		1.4	25.8	5.9	57	<0.1	21.5	7.1	259	2.91	5.9	0.4	3.0	0.3	18	0.1	0.5	0.1	82	0.15
1500E6875N	Soil		1.2	19.4	8.8	44	<0.1	11.8	4.4	265	2.68	4.8	0.3	2.2	0.3	11	<0.1	0.5	0.2	88	0.11
1500E6900N	Soil		1.2	29.6	7.5	46	0.1	15.3	5.0	198	2.19	4.2	0.6	5.1	<0.1	12	0.2	0.4	0.1	64	0.10
1500E6925N	Soil		1.1	28.6	6.4	51	0.2	17.1	5.8	247	2.49	4.5	0.4	9.0	<0.1	14	0.2	0.4	0.1	68	0.13
1500E6950N	Soil		1.1	30.0	5.4	54	<0.1	21.5	6.5	223	2.81	5.3	0.5	3.2	0.2	12	0.2	0.5	0.1	70	0.10
1500E6975N	Soil		2.6	32.5	7.6	65	0.1	21.2	7.8	294	3.81	7.4	0.6	3.3	0.3	16	0.3	0.5	0.1	87	0.16
1500E7000N	Soil		2.0	23.7	6.9	50	<0.1	13.9	6.2	382	2.54	4.5	0.4	2.6	0.3	20	0.1	0.4	0.2	76	0.22
1500E7025N	Soil		1.3	26.3	8.9	43	0.1	11.0	4.2	209	3.22	5.9	0.3	2.5	0.2	13	0.3	0.5	0.1	87	0.08
1500E7050N	Soil		1.5	24.3	6.1	55	0.2	18.2	7.0	273	3.19	5.9	0.4	4.9	0.4	15	0.2	0.5	0.1	90	0.10
1500E7075N	Soil		1.1	19.6	8.1	32	0.2	9.1	3.5	204	2.57	3.6	0.3	9.1	0.1	11	0.2	0.4	0.2	80	0.06
1500E7100N	Soil		1.2	33.2	8.0	52	0.2	17.2	7.0	443	3.24	5.6	0.3	2.2	0.1	16	0.3	0.7	0.2	92	0.14
1500E7125N	Soil		1.8	31.1	7.0	64	0.1	24.9	8.6	360	4.61	9.3	0.5	3.3	0.5	13	0.2	0.6	0.2	105	0.09
1500E7150N	Soil		1.0	28.5	6.0	44	0.1	15.3	4.6	176	2.74	4.4	0.4	2.3	<0.1	13	0.2	0.5	0.2	88	0.08
1500E7175N	Soil		1.0	37.5	5.9	58	0.1	25.5	8.4	321	3.25	6.5	0.3	1.8	0.3	13	0.1	0.6	0.1	82	0.11
1500E7200N	Soil		1.2	26.9	8.5	55	0.4	17.0	7.1	476	4.40	7.4	0.4	1.6	0.5	12	0.2	0.5	0.1	94	0.10
1500E7225N	Soil		0.7	14.5	7.8	27	0.2	7.3	2.8	215	2.07	3.2	0.3	2.4	0.2	12	0.1	0.5	0.2	81	0.06
1500E725N	Soil		1.0	22.3	7.0	52	0.1	16.7	7.7	358	2.73	4.2	0.3	2.5	0.1	16	0.1	0.5	0.2	87	0.13
1500E7750N	Soil		1.4	16.7	7.0	32	0.1	10.3	5.8	603	2.55	4.9	0.3	12.3	0.1	13	<0.1	0.5	0.2	93	0.09
1500E7775N	Soil		1.8	32.4	5.9	59	0.1	21.9	10.1	376	3.13	6.7	0.4	4.9	0.2	16	0.1	0.5	0.1	92	0.17
1500E7800N	Soil		30.5	19.6	6.9	46	0.1	11.9	7.6	558	2.55	4.1	0.3	4.4	0.3	15	0.2	0.4	0.2	86	0.14
1500E7825N	Soil		55.0	50.1	8.4	30	0.4	10.1	6.6	157	4.05	7.9	0.4	2.1	0.3	17	0.2	0.6	0.7	173	0.18
1500E7850N	Soil		29.9	46.1	9.1	67	0.3	24.1	10.2	320	4.28	7.7	0.5	1.6	0.6	22	0.4	0.6	0.1	112	0.33
1500E7875N	Soil		15.7	28.3	6.4	46	0.2	11.3	4.4	146	1.60	2.8	0.5	1.6	0.2	28	0.2	0.3	0.1	56	0.73
1500E7900N	Soil		27.6	46.6	5.8	86	0.3	27.9	11.8	269	2.97	4.1	0.4	2.0	0.2	23	0.3	0.4	0.2	84	0.34
1500E7925N	Soil		2.3	26.7	6.9	47	0.1	13.3	6.7	262	3.68	11.2	0.3	3.5	0.3	16	0.2	0.6	0.2	111	0.14

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Project: Bigtime
 Report Date: July 30, 2009

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CERTIFICATE OF ANALYSIS

SMI09000035.1

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	0.1	0.05	1	0.5	
1300E6750N	Soil	0.067	6	18	0.23	67	0.039	1	1.17	0.008	0.03	0.1	0.04	1.6	<0.1	<0.05	8	<0.5
1500E6750N	Soil	0.063	6	25	0.20	102	0.046	1	1.10	0.006	0.04	0.2	0.04	1.3	<0.1	<0.05	7	<0.5
1500E6775N	Soil	0.049	5	31	0.38	93	0.031	1	1.54	0.008	0.03	0.1	0.03	2.1	<0.1	<0.05	6	<0.5
1500E6800N	Soil	0.049	7	25	0.27	136	0.020	1	1.55	0.008	0.03	0.2	0.03	1.3	<0.1	<0.05	6	<0.5
1500E6825N	Soil	0.114	8	21	0.31	113	0.013	3	1.88	0.008	0.03	0.2	0.06	0.5	<0.1	0.08	6	<0.5
1500E6850N	Soil	0.044	6	35	0.46	116	0.054	<1	1.51	0.008	0.05	0.1	0.02	2.6	<0.1	<0.05	8	<0.5
1500E6875N	Soil	0.061	6	28	0.22	78	0.082	1	1.00	0.007	0.04	<0.1	0.02	2.0	<0.1	<0.05	8	<0.5
1500E6900N	Soil	0.073	6	29	0.28	110	0.044	2	1.39	0.007	0.04	0.1	0.05	1.1	<0.1	<0.05	6	<0.5
1500E6925N	Soil	0.055	6	28	0.31	98	0.026	1	1.34	0.009	0.03	0.1	0.03	1.3	<0.1	<0.05	6	<0.5
1500E6950N	Soil	0.050	6	33	0.37	82	0.036	1	2.02	0.010	0.03	0.1	0.05	2.0	<0.1	<0.05	7	<0.5
1500E6975N	Soil	0.057	6	36	0.37	97	0.061	<1	1.95	0.007	0.03	0.1	0.04	2.5	<0.1	<0.05	7	<0.5
1500E7000N	Soil	0.048	8	29	0.27	143	0.038	1	1.46	0.007	0.04	0.1	0.02	2.3	<0.1	<0.05	7	<0.5
1500E7025N	Soil	0.099	6	30	0.24	64	0.055	1	1.40	0.007	0.03	0.1	0.05	1.7	<0.1	<0.05	7	<0.5
1500E7050N	Soil	0.050	6	34	0.38	93	0.064	<1	1.47	0.008	0.03	0.2	0.03	2.6	<0.1	<0.05	8	<0.5
1500E7075N	Soil	0.045	6	25	0.18	79	0.060	1	1.26	0.007	0.03	0.3	0.03	1.4	<0.1	<0.05	8	<0.5
1500E7100N	Soil	0.075	6	33	0.32	101	0.064	2	1.50	0.008	0.05	<0.1	0.03	2.0	<0.1	<0.05	8	<0.5
1500E7125N	Soil	0.087	6	44	0.43	81	0.095	1	1.82	0.008	0.04	0.1	0.03	2.9	<0.1	<0.05	9	<0.5
1500E7150N	Soil	0.050	7	28	0.21	88	0.029	1	1.34	0.007	0.03	<0.1	0.03	1.3	<0.1	<0.05	7	<0.5
1500E7175N	Soil	0.060	6	39	0.50	78	0.048	1	1.88	0.008	0.04	<0.1	0.03	2.8	<0.1	<0.05	7	<0.5
1500E7200N	Soil	0.135	5	35	0.32	85	0.057	1	1.92	0.007	0.03	0.1	0.07	2.5	<0.1	<0.05	7	<0.5
1500E7225N	Soil	0.038	7	24	0.16	65	0.062	1	1.18	0.006	0.04	<0.1	0.02	1.6	0.1	<0.05	8	<0.5
1500E725N	Soil	0.041	6	30	0.55	82	0.065	<1	1.81	0.009	0.06	<0.1	0.02	2.7	<0.1	<0.05	9	<0.5
1500E7750N	Soil	0.051	6	25	0.26	75	0.063	1	1.36	0.008	0.05	0.1	0.01	2.1	0.1	<0.05	7	<0.5
1500E7775N	Soil	0.058	5	36	0.69	68	0.078	1	1.83	0.012	0.05	0.2	0.03	3.2	<0.1	<0.05	8	<0.5
1500E7800N	Soil	0.035	6	27	0.36	84	0.090	<1	1.28	0.009	0.04	0.1	0.01	2.5	<0.1	<0.05	7	<0.5
1500E7825N	Soil	0.035	4	32	0.30	63	0.105	<1	1.73	0.009	0.03	0.5	0.03	3.2	<0.1	<0.05	11	0.6
1500E7850N	Soil	0.045	6	35	0.47	126	0.080	2	2.39	0.010	0.04	0.1	0.04	4.0	<0.1	<0.05	8	<0.5
1500E7875N	Soil	0.036	5	21	0.27	103	0.031	2	1.18	0.009	0.04	0.2	0.06	2.1	<0.1	<0.05	5	0.8
1500E7900N	Soil	0.035	5	35	0.68	183	0.044	1	2.19	0.010	0.05	0.2	0.02	3.2	<0.1	<0.05	8	0.7
1500E7925N	Soil	0.060	5	29	0.37	93	0.093	1	1.56	0.011	0.03	0.1	0.03	2.8	<0.1	<0.05	8	<0.5

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Project: Bigtime
 Report Date: July 30, 2009

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CERTIFICATE OF ANALYSIS

SMI09000035.1

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	
1500E7950N	Soil		2.5	34.0	10.6	63	0.5	16.2	6.9	343	3.16	6.0	0.7	8.4	0.2	15	0.5	0.4	0.3	92	0.12
1500E7975N	Soil		2.1	46.0	9.5	85	0.2	25.8	17.5	1710	4.31	7.8	0.4	11.8	0.2	13	0.3	0.5	0.3	132	0.10
1500E8000N	Soil		1.5	31.5	6.4	58	<0.1	23.4	9.2	360	3.46	10.7	0.4	2.7	0.5	14	0.2	0.7	0.2	91	0.15
1500E8025N	Soil		1.2	24.7	5.8	49	0.2	15.7	7.1	324	2.81	5.4	0.3	2.0	0.3	13	0.2	0.4	0.2	85	0.11
1500E8050N	Soil		1.9	24.0	9.0	38	0.1	10.8	5.8	814	3.74	8.4	0.3	2.3	0.5	14	0.1	0.6	0.2	117	0.11
1500E8075N	Soil		1.4	53.8	6.3	78	0.2	29.7	11.9	464	3.72	7.9	0.4	11.3	1.0	13	0.2	0.5	0.1	98	0.15
1500E8100N	Soil		1.1	22.4	8.1	50	0.3	11.8	7.3	588	4.14	7.7	0.3	3.4	0.5	12	0.1	0.6	0.2	120	0.10
1500E8125N	Soil		1.0	12.3	7.4	27	0.1	5.5	3.4	177	2.09	2.8	0.3	2.6	0.2	10	0.2	0.4	0.2	70	0.08
1500E8150N	Soil		2.5	29.2	5.0	77	0.5	19.1	11.3	506	3.32	4.8	0.3	2.5	0.5	22	0.4	0.5	0.2	104	0.42
1500E8175N	Soil		5.6	123.0	9.4	145	1.0	32.3	18.2	3380	4.24	10.2	1.4	21.6	1.0	31	2.1	1.1	0.3	117	0.88
1500E8200N	Soil		1.1	39.7	4.9	57	0.3	25.1	10.5	330	3.07	5.9	0.4	2.6	0.4	24	0.4	0.5	0.1	81	0.73
1500E8225N	Soil		2.1	223.1	8.6	96	1.2	38.4	17.7	1202	3.94	12.5	1.3	12.6	0.7	29	2.1	0.9	0.2	106	1.05
1500E8250N	Soil		3.2	544.0	8.1	114	1.9	41.2	21.1	1732	3.42	13.7	2.5	24.3	0.5	46	5.1	1.2	0.3	86	1.94
1700E6750N	Soil		0.7	15.1	6.4	39	<0.1	11.3	4.2	201	1.82	2.4	0.5	17.9	0.1	16	0.1	0.4	0.2	59	0.14
1700E6775N	Soil		0.8	18.4	6.3	40	0.1	15.8	4.7	178	1.62	2.4	0.5	1.8	<0.1	12	0.1	0.4	0.2	55	0.09
1700E6800N	Soil		2.1	32.5	6.3	73	<0.1	27.9	10.8	772	2.67	3.2	0.5	2.5	0.2	16	0.1	0.5	0.1	77	0.12
1700E6825N	Soil		1.5	21.4	5.3	70	<0.1	23.8	7.4	434	2.27	3.0	0.5	<0.5	0.2	21	0.1	0.4	0.1	65	0.21
1700E6850N	Soil		2.5	24.5	5.3	72	0.2	21.9	8.3	502	2.48	5.1	1.2	7.9	0.2	37	0.2	0.5	0.1	80	0.55
1700E6875N	Soil		2.0	23.1	5.6	67	0.1	20.5	6.7	350	2.64	4.3	0.4	64.5	0.1	23	0.2	0.5	0.1	77	0.31
1700E6900N	Soil		1.2	15.1	7.7	46	0.2	8.7	6.0	361	3.71	6.4	0.5	3.0	0.2	34	0.2	0.7	0.2	88	0.27
1700E6925N	Soil		2.9	35.7	7.2	133	0.2	22.2	9.5	1543	2.98	7.7	2.0	1.5	0.2	36	0.6	0.5	0.2	93	0.39
1700E6950N	Soil		1.2	32.4	5.9	64	0.2	24.9	8.4	338	2.91	6.4	0.6	2.3	0.2	24	0.2	0.5	0.1	69	0.21
1700E6975N	Soil		1.1	26.8	7.3	62	0.2	16.4	6.8	312	3.07	5.2	0.6	3.2	0.3	30	0.2	0.6	0.1	77	0.25
1700E7000N	Soil		0.9	23.5	6.2	56	0.2	15.5	7.3	355	3.64	8.3	0.6	3.0	0.3	29	0.2	0.6	0.1	82	0.28
1700E7025N	Soil		1.1	32.8	5.4	68	0.1	19.9	9.4	368	3.33	8.8	0.7	33.9	0.7	42	0.2	0.6	0.1	76	0.46
1700E7050N	Soil		1.2	21.0	6.8	57	0.2	12.1	6.9	296	3.21	6.4	0.7	2.0	0.2	45	0.3	0.6	0.1	72	0.48
1700E7075N	Soil		1.4	14.5	7.0	54	0.2	12.4	5.2	257	2.08	3.4	0.5	2.5	<0.1	46	0.2	0.5	0.2	65	0.37
1700E7100N	Soil		1.5	20.5	7.0	55	0.1	12.4	6.5	301	2.63	6.0	0.6	5.5	0.2	47	0.1	0.5	0.1	73	0.45
1700E7125N	Soil		1.6	23.1	6.5	55	0.1	11.9	7.6	367	2.84	6.9	0.6	3.6	0.3	45	0.2	0.6	0.1	75	0.43
1700E7150N	Soil		1.5	21.7	6.4	64	0.2	12.0	8.0	489	2.68	5.8	0.6	3.5	0.2	62	0.1	0.7	0.1	69	0.60

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Project: Bigtime
 Report Date: July 30, 2009

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CERTIFICATE OF ANALYSIS

SMI09000035.1

Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Ti	1DX15 S	1DX15 Ga	1DX15 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
1500E7950N	Soil			0.089	10	35	0.42	114	0.095	1	2.02	0.011	0.06	0.2	0.07	2.2	<0.1	<0.05	13	<0.5
1500E7975N	Soil			0.076	6	44	0.62	115	0.068	1	2.36	0.008	0.08	<0.1	0.02	3.2	0.1	<0.05	11	<0.5
1500E8000N	Soil			0.050	6	39	0.58	77	0.078	2	1.99	0.009	0.04	0.2	0.03	3.5	<0.1	<0.05	7	<0.5
1500E8025N	Soil			0.051	5	27	0.45	65	0.073	<1	1.40	0.009	0.04	0.1	0.02	2.7	<0.1	<0.05	7	<0.5
1500E8050N	Soil			0.137	5	31	0.28	76	0.087	1	1.59	0.010	0.03	0.2	0.04	2.7	<0.1	<0.05	8	<0.5
1500E8075N	Soil			0.074	6	44	0.71	83	0.086	2	2.60	0.008	0.04	0.1	0.04	4.6	<0.1	<0.05	6	<0.5
1500E8100N	Soil			0.090	4	31	0.42	83	0.083	2	1.37	0.009	0.04	0.2	0.03	2.8	<0.1	<0.05	9	<0.5
1500E8125N	Soil			0.036	6	18	0.19	89	0.052	1	1.07	0.006	0.02	0.1	0.04	1.5	<0.1	<0.05	8	0.6
1500E8150N	Soil			0.048	5	39	0.69	123	0.070	2	1.89	0.010	0.03	0.2	0.04	3.4	<0.1	<0.05	8	0.8
1500E8175N	Soil			0.058	12	87	0.69	220	0.066	2	2.90	0.011	0.05	0.2	0.09	9.7	0.1	<0.05	9	1.3
1500E8200N	Soil			0.059	6	37	0.70	108	0.062	3	1.93	0.009	0.03	0.2	0.05	3.4	<0.1	<0.05	6	0.7
1500E8225N	Soil			0.061	16	76	0.86	243	0.033	2	2.72	0.010	0.06	0.2	0.10	11.0	0.1	<0.05	8	1.1
1500E8250N	Soil			0.181	24	112	0.60	286	0.027	2	3.69	0.010	0.05	0.2	0.26	8.0	0.1	0.11	7	2.3
1700E6750N	Soil			0.040	8	23	0.34	100	0.055	2	1.52	0.009	0.04	0.1	0.04	1.8	<0.1	<0.05	9	<0.5
1700E6775N	Soil			0.049	7	31	0.34	121	0.024	<1	1.69	0.007	0.04	<0.1	0.04	1.2	0.1	<0.05	7	<0.5
1700E6800N	Soil			0.045	7	42	0.55	195	0.021	1	2.05	0.009	0.04	<0.1	0.03	2.2	<0.1	<0.05	8	<0.5
1700E6825N	Soil			0.039	7	35	0.52	192	0.025	2	1.87	0.009	0.04	<0.1	0.03	2.2	<0.1	<0.05	7	<0.5
1700E6850N	Soil			0.075	8	30	0.57	135	0.033	1	2.02	0.012	0.05	0.2	0.02	2.6	<0.1	<0.05	8	0.6
1700E6875N	Soil			0.045	6	33	0.52	180	0.034	1	1.80	0.008	0.05	<0.1	0.02	2.1	<0.1	<0.05	8	0.7
1700E6900N	Soil			0.056	6	19	0.42	57	0.082	<1	1.71	0.011	0.04	0.1	0.03	1.9	<0.1	<0.05	13	0.6
1700E6925N	Soil			0.137	11	29	0.58	202	0.023	3	3.12	0.011	0.07	0.2	0.04	2.1	<0.1	0.07	10	0.6
1700E6950N	Soil			0.063	7	32	0.54	89	0.046	3	2.50	0.009	0.04	0.1	0.05	2.4	<0.1	<0.05	8	0.6
1700E6975N	Soil			0.052	7	27	0.48	92	0.078	2	2.37	0.014	0.04	0.1	0.04	2.9	<0.1	<0.05	10	0.9
1700E7000N	Soil			0.092	6	26	0.48	78	0.063	2	2.73	0.011	0.04	0.2	0.08	2.6	<0.1	<0.05	9	1.0
1700E7025N	Soil			0.072	7	27	0.61	92	0.076	2	3.27	0.013	0.04	0.1	0.07	3.3	<0.1	<0.05	9	0.9
1700E7050N	Soil			0.071	6	19	0.49	80	0.054	1	2.35	0.012	0.04	0.1	0.04	2.0	<0.1	<0.05	13	0.6
1700E7075N	Soil			0.060	7	24	0.49	126	0.047	2	1.91	0.011	0.04	<0.1	0.03	1.8	<0.1	<0.05	10	0.7
1700E7100N	Soil			0.083	7	22	0.49	79	0.066	2	2.75	0.014	0.05	0.1	0.04	2.4	<0.1	<0.05	10	0.8
1700E7125N	Soil			0.072	6	23	0.55	79	0.077	<1	2.82	0.015	0.05	0.1	0.03	2.5	<0.1	<0.05	9	0.8
1700E7150N	Soil			0.082	6	19	0.57	119	0.063	<1	2.76	0.014	0.06	0.2	0.05	2.4	<0.1	<0.05	10	0.6

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Project: Bigtime
 Report Date: July 30, 2009

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CERTIFICATE OF ANALYSIS

SMI09000035.1

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	
1700E7175N	Soil		2.2	22.6	6.5	62	0.1	15.1	7.8	416	2.78	6.5	0.7	4.0	0.2	43	0.2	0.5	0.2	76	0.41
1700E7200N	Soil		2.3	16.5	6.9	72	<0.1	16.7	7.6	628	3.20	5.2	0.5	3.2	0.2	38	0.2	0.6	0.2	86	0.26
1700E7225N	Soil		1.5	26.5	6.7	59	0.1	17.6	7.6	340	3.71	8.3	0.6	3.8	0.2	23	0.3	0.6	0.2	82	0.13
1700E7250N	Soil		2.7	25.4	7.4	72	<0.1	19.8	9.6	474	4.93	10.4	0.6	1.5	0.5	27	0.3	0.7	0.2	101	0.26
1700E7275N	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1700E7300N	Soil		1.7	29.0	5.6	45	0.2	17.4	7.7	264	2.76	6.8	0.5	1.4	0.3	23	0.3	0.6	0.1	75	0.21
1700E7325N	Soil		1.9	32.1	6.1	73	0.1	19.8	9.8	421	3.36	7.0	0.4	3.4	0.2	28	0.3	0.6	0.1	88	0.41
1700E7350N	Soil		1.2	42.4	5.9	71	0.4	21.9	9.8	443	3.68	9.1	0.5	3.6	0.3	22	0.2	0.7	0.1	87	0.32
1700E7375N	Soil		1.1	547.7	6.6	54	0.2	13.4	10.0	740	2.79	13.1	0.9	3.6	0.2	24	0.2	0.8	0.1	86	0.91
1700E7400N	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1700E7425N	Soil		1.2	52.7	6.3	105	0.2	21.0	8.8	541	3.03	6.7	0.6	3.4	0.2	29	0.3	0.9	0.1	80	0.96
1700E7450N	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1700E7475N	Soil		13.7	47.0	6.5	78	0.3	29.7	10.6	248	2.56	7.1	0.5	2.5	0.3	22	0.4	0.5	0.1	82	0.47
1700E7500N	Soil		4.7	15.9	7.3	43	0.2	8.4	5.5	372	1.74	2.7	0.3	1.3	<0.1	23	0.2	0.4	0.2	64	0.39
1700E7525N	Soil		19.1	364.7	45.2	480	1.4	51.9	20.2	4957	4.87	30.3	2.7	4.5	0.9	38	12.6	1.4	0.2	156	1.56
1700E7550N	Soil		3.9	24.0	11.4	52	0.2	19.7	6.5	272	4.81	6.3	0.4	1.4	0.9	10	0.2	0.7	0.3	142	0.06
1700E7575N	Soil		8.7	33.2	9.1	51	0.3	11.5	12.0	1857	2.93	6.2	0.3	1.8	<0.1	16	0.3	0.8	0.2	91	0.22
1700E7600N	Soil		69.8	50.9	7.9	128	0.4	20.7	10.1	1440	3.23	6.1	0.6	4.5	0.1	34	0.4	0.6	0.2	91	0.81
1700E7625N	Soil		121.1	101.1	7.4	83	1.5	25.7	12.1	1944	2.94	5.3	1.3	3.0	0.3	63	0.8	0.6	0.2	74	1.91
1700E7650N	Soil		66.5	349.4	6.8	97	0.2	23.9	12.7	718	3.07	6.5	1.1	3.2	0.2	42	0.2	0.5	0.2	94	0.91
1700E7675N	Soil		34.8	541.3	6.0	92	0.1	28.6	14.1	799	2.90	6.7	1.1	9.0	0.3	45	0.4	0.5	0.1	86	1.08
1700E7700N	Soil		225.4	271.4	7.9	122	0.7	28.9	16.4	7282	3.54	8.5	1.4	3.6	0.2	60	2.2	0.7	0.2	99	1.66
1700E7725N	Soil		13.2	21.1	7.8	35	<0.1	9.6	4.6	213	3.01	5.3	0.3	2.1	0.2	11	0.2	0.6	0.2	111	0.08
1700E7750N	Soil		15.1	407.9	9.8	63	0.4	26.7	18.1	691	3.54	8.4	1.9	5.6	0.4	34	0.3	0.7	0.6	104	1.12
1700E7775N	Soil		13.6	50.7	8.5	50	0.1	12.0	9.0	243	4.27	6.6	0.4	1.0	0.2	20	0.2	0.6	0.4	153	0.57
1700E7800N	Soil		4.8	32.7	7.7	46	0.4	12.6	8.4	273	3.24	6.6	0.6	1.7	0.2	25	0.4	0.7	0.5	102	1.07
1700E7825N	Soil		3.0	29.6	7.3	62	0.2	16.4	8.1	249	3.99	6.8	0.4	2.1	0.2	25	0.4	0.6	0.1	93	0.85
1700E7850N	Soil		1.7	31.3	7.4	56	<0.1	18.7	7.9	246	5.04	9.5	0.3	13.9	0.9	11	0.3	0.6	0.1	117	0.11
1700E7875N	Soil		1.5	14.8	7.1	25	0.3	7.4	3.2	111	2.28	4.8	0.4	3.4	0.3	14	0.2	0.5	0.2	95	0.14
1700E7900N	Soil		2.2	28.6	8.0	49	0.2	17.2	7.8	299	6.03	10.7	0.3	3.8	1.0	12	0.1	0.8	0.3	138	0.07

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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	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	
1700E7175N	Soil	0.084	6	28	0.56	107	0.060	1	2.69	0.012	0.05	0.1	0.04	2.3	<0.1	<0.05	10	0.8
1700E7200N	Soil	0.047	7	29	0.53	208	0.063	<1	1.96	0.010	0.06	<0.1	0.02	2.7	<0.1	<0.05	11	0.8
1700E7225N	Soil	0.057	6	32	0.50	81	0.060	2	2.85	0.010	0.04	0.1	0.05	2.4	<0.1	<0.05	10	1.1
1700E7250N	Soil	0.051	6	33	0.58	122	0.087	<1	2.18	0.010	0.04	0.1	0.04	3.2	<0.1	<0.05	12	0.9
1700E7275N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1700E7300N	Soil	0.047	5	30	0.57	100	0.053	<1	2.05	0.011	0.03	0.1	0.06	3.0	<0.1	0.06	7	1.0
1700E7325N	Soil	0.055	5	31	0.57	136	0.051	<1	1.81	0.012	0.04	<0.1	0.06	2.9	<0.1	0.05	7	1.1
1700E7350N	Soil	0.063	7	34	0.63	150	0.059	2	2.32	0.012	0.05	0.1	0.06	3.2	<0.1	0.05	7	1.2
1700E7375N	Soil	0.060	14	33	0.40	139	0.038	2	1.69	0.009	0.04	<0.1	0.06	4.3	<0.1	0.07	6	1.0
1700E7400N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1700E7425N	Soil	0.075	7	35	0.55	148	0.033	3	1.99	0.014	0.05	<0.1	0.06	3.5	<0.1	0.08	6	1.1
1700E7450N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1700E7475N	Soil	0.062	6	35	0.48	152	0.017	2	2.19	0.011	0.04	0.2	0.05	3.0	<0.1	<0.05	6	0.5
1700E7500N	Soil	0.034	6	19	0.25	185	0.037	<1	1.08	0.009	0.03	0.1	0.03	1.5	<0.1	<0.05	7	<0.5
1700E7525N	Soil	0.112	18	85	1.11	316	0.012	1	4.22	0.008	0.10	0.2	0.16	14.5	0.3	0.06	11	1.0
1700E7550N	Soil	0.047	7	42	0.26	84	0.179	2	1.39	0.008	0.03	0.2	0.04	2.6	<0.1	<0.05	13	<0.5
1700E7575N	Soil	0.055	5	24	0.25	136	0.037	2	1.16	0.012	0.04	<0.1	0.03	1.5	<0.1	<0.05	6	<0.5
1700E7600N	Soil	0.071	8	34	0.61	196	0.034	2	2.25	0.011	0.05	0.3	0.04	2.8	<0.1	<0.05	7	1.0
1700E7625N	Soil	0.244	12	35	0.61	238	0.019	3	2.74	0.010	0.07	0.3	0.19	2.8	0.2	0.16	7	2.9
1700E7650N	Soil	0.061	6	36	0.61	131	0.039	2	2.02	0.014	0.05	0.8	0.05	4.5	<0.1	<0.05	7	0.7
1700E7675N	Soil	0.088	7	35	0.69	104	0.049	3	1.78	0.014	0.05	0.8	0.09	6.1	<0.1	0.05	5	0.9
1700E7700N	Soil	0.237	15	44	0.68	277	0.023	4	3.14	0.013	0.08	0.7	0.16	2.8	0.4	0.14	9	2.7
1700E7725N	Soil	0.058	4	26	0.25	44	0.090	1	1.17	0.009	0.03	0.1	0.03	1.9	<0.1	<0.05	9	<0.5
1700E7750N	Soil	0.076	9	45	1.11	68	0.082	4	1.63	0.012	0.07	0.8	0.05	6.4	<0.1	0.07	6	2.8
1700E7775N	Soil	0.054	3	32	0.52	90	0.077	1	1.58	0.013	0.03	0.7	0.03	2.9	<0.1	<0.05	10	<0.5
1700E7800N	Soil	0.056	7	32	0.34	94	0.062	2	1.75	0.016	0.03	0.2	0.05	2.6	<0.1	<0.05	9	0.8
1700E7825N	Soil	0.052	5	33	0.35	112	0.057	2	1.99	0.011	0.03	0.1	0.03	3.2	<0.1	<0.05	7	<0.5
1700E7850N	Soil	0.057	4	40	0.44	65	0.090	1	2.10	0.010	0.03	0.2	0.05	3.8	<0.1	<0.05	7	<0.5
1700E7875N	Soil	0.022	5	25	0.13	143	0.093	1	1.07	0.008	0.02	0.1	0.02	2.0	<0.1	<0.05	8	<0.5
1700E7900N	Soil	0.064	5	42	0.43	59	0.132	<1	1.95	0.009	0.04	0.2	0.04	3.6	<0.1	<0.05	9	<0.5

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: Bigtime
 Report Date: July 30, 2009

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CERTIFICATE OF ANALYSIS

SMI09000035.1

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	
1700E7925N	Soil		1.5	24.0	7.0	48	0.2	14.3	6.7	866	3.94	6.5	0.3	1.5	0.7	10	0.1	0.6	0.2	111	0.08
1700E7950N	Soil		2.3	44.8	7.5	80	0.3	24.9	8.9	445	5.39	10.8	0.3	3.2	0.9	11	0.2	0.8	0.2	124	0.09
1700E7975N	Soil		3.1	57.8	9.0	57	1.1	18.4	8.9	320	4.36	8.3	0.4	4.4	0.3	25	0.4	0.9	0.2	124	0.33
1700E8000N	Soil		4.5	31.4	9.1	141	0.6	17.6	8.0	577	4.89	8.6	0.4	3.9	0.6	11	0.6	0.7	0.3	119	0.08
1700E8025N	Soil		2.2	37.4	9.5	65	0.5	18.2	9.4	713	4.25	14.6	0.3	6.5	0.4	14	0.2	0.7	0.3	131	0.14
1700E8050N	Soil		1.7	42.2	7.8	57	0.3	22.5	8.1	261	4.89	10.9	0.4	15.5	0.3	12	0.5	0.8	0.2	114	0.12
1700E8075N	Soil		2.2	25.0	8.5	41	0.2	11.3	4.2	175	2.84	5.0	0.3	2.2	0.6	9	0.1	0.6	0.3	106	0.06
1700E8100N	Soil		1.7	26.1	7.1	61	0.2	17.4	7.2	333	3.95	7.0	0.3	2.7	0.4	10	0.2	0.7	0.2	95	0.10
1700E8125N	Soil		1.3	21.5	7.7	47	0.4	15.3	5.4	489	3.25	6.9	0.3	1.4	0.1	11	0.1	0.7	0.2	92	0.07
1700E8150N	Soil		1.2	17.0	7.6	39	0.2	11.8	4.4	252	2.32	4.2	0.2	6.0	0.2	10	<0.1	0.5	0.2	76	0.09
1700E8175N	Soil		1.8	32.4	7.2	70	0.3	20.6	9.0	485	3.94	8.1	0.3	5.2	0.2	17	0.2	0.6	0.2	96	0.29
1700E8200N	Soil		1.5	24.9	7.7	56	<0.1	15.2	7.9	406	4.07	8.6	0.3	3.0	0.2	12	0.1	0.6	0.2	114	0.13
1700E8225N	Soil		2.0	24.6	6.3	46	0.1	12.3	11.3	1929	3.13	7.0	0.3	5.6	<0.1	12	0.1	0.5	0.2	92	0.09
1700E8250N	Soil		1.5	43.8	6.6	73	0.1	24.1	11.1	576	3.02	6.5	0.3	2.1	0.2	23	0.4	0.6	0.2	83	0.78



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CERTIFICATE OF ANALYSIS

SMI09000035.1

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	0.1	0.05	1	0.5	
1700E7925N	Soil	0.061	5	36	0.27	80	0.052	<1	1.77	0.009	0.04	0.1	0.05	3.0	<0.1	<0.05	8	<0.5
1700E7950N	Soil	0.101	5	43	0.45	78	0.091	2	2.03	0.010	0.05	0.1	0.04	4.0	<0.1	<0.05	9	<0.5
1700E7975N	Soil	0.060	7	39	0.37	184	0.073	1	1.91	0.010	0.04	0.2	0.03	3.3	<0.1	<0.05	10	<0.5
1700E8000N	Soil	0.078	5	41	0.34	74	0.110	2	1.80	0.010	0.04	0.2	0.04	2.8	<0.1	<0.05	10	<0.5
1700E8025N	Soil	0.080	5	47	0.37	86	0.096	2	1.71	0.009	0.04	0.2	0.05	3.7	<0.1	<0.05	9	<0.5
1700E8050N	Soil	0.071	5	41	0.43	88	0.070	2	1.88	0.009	0.04	0.1	0.06	3.3	<0.1	<0.05	8	<0.5
1700E8075N	Soil	0.030	6	29	0.23	76	0.090	2	1.47	0.007	0.04	<0.1	0.02	2.7	<0.1	<0.05	10	<0.5
1700E8100N	Soil	0.079	5	36	0.39	57	0.079	1	1.67	0.010	0.05	0.1	0.06	2.7	<0.1	<0.05	8	<0.5
1700E8125N	Soil	0.061	6	33	0.29	63	0.047	2	1.43	0.008	0.04	<0.1	0.03	1.9	<0.1	<0.05	8	<0.5
1700E8150N	Soil	0.050	6	28	0.25	74	0.061	1	1.18	0.009	0.04	<0.1	0.02	1.9	<0.1	<0.05	8	<0.5
1700E8175N	Soil	0.069	5	38	0.48	139	0.056	<1	1.63	0.011	0.04	0.1	0.03	2.8	<0.1	<0.05	7	<0.5
1700E8200N	Soil	0.095	5	35	0.43	66	0.073	1	1.58	0.011	0.04	0.1	0.02	2.8	<0.1	<0.05	9	<0.5
1700E8225N	Soil	0.084	6	31	0.28	120	0.032	1	1.56	0.008	0.05	<0.1	0.02	1.6	0.1	<0.05	8	<0.5
1700E8250N	Soil	0.061	6	37	0.54	152	0.032	2	1.87	0.009	0.04	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5



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QUALITY CONTROL REPORT

SMI09000035.1

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
Pulp Duplicates																				
1500E7025N	Soil	1.3	26.3	8.9	43	0.1	11.0	4.2	209	3.22	5.9	0.3	2.5	0.2	13	0.3	0.5	0.1	87	0.08
REP 1500E N7025	QC	1.4	27.7	9.2	43	0.1	11.8	4.4	217	3.29	5.8	0.4	1.6	0.2	13	0.3	0.5	0.2	90	0.09
1500E8075N	Soil	1.4	53.8	6.3	78	0.2	29.7	11.9	464	3.72	7.9	0.4	11.3	1.0	13	0.2	0.5	0.1	98	0.15
REP 1500E N8075	QC	1.4	53.9	6.3	78	0.2	30.9	12.6	458	3.77	7.5	0.4	5.2	1.1	14	0.2	0.5	0.1	99	0.16
1500E8150N	Soil	2.5	29.2	5.0	77	0.5	19.1	11.3	506	3.32	4.8	0.3	2.5	0.5	22	0.4	0.5	0.2	104	0.42
REP 1500E N8150	QC	2.9	30.2	5.2	77	0.4	20.4	11.6	499	3.28	4.7	0.3	4.9	0.5	22	0.2	0.5	0.2	102	0.43
1700E7175N	Soil	2.2	22.6	6.5	62	0.1	15.1	7.8	416	2.78	6.5	0.7	4.0	0.2	43	0.2	0.5	0.2	76	0.41
REP 1700E N7175	QC	2.2	22.7	6.5	61	<0.1	15.4	7.9	409	2.81	6.7	0.6	3.2	0.2	44	0.2	0.6	0.2	76	0.42
1700E7850N	Soil	1.7	31.3	7.4	56	<0.1	18.7	7.9	246	5.04	9.5	0.3	13.9	0.9	11	0.3	0.6	0.1	117	0.11
REP 1700E N7850	QC	1.7	31.3	7.4	54	<0.1	19.1	8.2	243	4.96	9.2	0.3	3.3	0.9	11	0.3	0.7	0.1	115	0.11
1700E8000N	Soil	4.5	31.4	9.1	141	0.6	17.6	8.0	577	4.89	8.6	0.4	3.9	0.6	11	0.6	0.7	0.3	119	0.08
REP 1700E N8000	QC	4.4	32.1	8.7	142	0.6	18.1	7.9	580	4.97	8.5	0.4	1.8	0.5	12	0.7	0.7	0.3	122	0.09
Reference Materials																				
STD DS7	Standard	18.9	106.4	65.5	375	0.8	54.6	8.9	587	2.30	47.0	4.6	65.4	4.2	70	6.1	5.7	4.4	82	0.87
STD DS7	Standard	19.6	111.3	68.4	389	0.8	58.3	9.8	629	2.41	49.3	5.0	63.6	4.4	75	6.2	5.9	4.4	89	0.95
STD DS7	Standard	20.5	109.9	69.0	404	0.8	55.5	9.0	623	2.44	50.2	4.9	62.0	4.3	84	6.3	6.1	4.7	84	0.99
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<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



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Project: Bigtime
 Report Date: July 30, 2009

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QUALITY CONTROL REPORT

SMI09000035.1

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	0.1	0.05	1	0.5	
Pulp Duplicates																		
1500E7025N	Soil	0.099	6	30	0.24	64	0.055	1	1.40	0.007	0.03	0.1	0.05	1.7	<0.1	<0.05	7	<0.5
REP 1500E N7025	QC	0.101	6	31	0.24	67	0.058	1	1.46	0.007	0.03	0.1	0.04	1.9	<0.1	<0.05	7	<0.5
1500E8075N	Soil	0.074	6	44	0.71	83	0.086	2	2.60	0.008	0.04	0.1	0.04	4.6	<0.1	<0.05	6	<0.5
REP 1500E N8075	QC	0.075	6	45	0.72	82	0.088	2	2.64	0.008	0.05	0.1	0.05	4.7	<0.1	<0.05	6	<0.5
1500E8150N	Soil	0.048	5	39	0.69	123	0.070	2	1.89	0.010	0.03	0.2	0.04	3.4	<0.1	<0.05	8	0.8
REP 1500E N8150	QC	0.048	5	40	0.69	124	0.057	2	1.85	0.009	0.03	0.2	0.03	3.2	<0.1	<0.05	8	<0.5
1700E7175N	Soil	0.084	6	28	0.56	107	0.060	1	2.69	0.012	0.05	0.1	0.04	2.3	<0.1	<0.05	10	0.8
REP 1700E N7175	QC	0.080	7	28	0.57	113	0.062	1	2.67	0.012	0.05	<0.1	0.04	2.4	<0.1	<0.05	10	0.9
1700E7850N	Soil	0.057	4	40	0.44	65	0.090	1	2.10	0.010	0.03	0.2	0.05	3.8	<0.1	<0.05	7	<0.5
REP 1700E N7850	QC	0.055	4	39	0.45	65	0.090	2	2.11	0.010	0.03	0.2	0.04	3.6	<0.1	<0.05	7	<0.5
1700E8000N	Soil	0.078	5	41	0.34	74	0.110	2	1.80	0.010	0.04	0.2	0.04	2.8	<0.1	<0.05	10	<0.5
REP 1700E N8000	QC	0.078	6	42	0.35	75	0.119	2	1.84	0.010	0.04	0.2	0.06	2.9	<0.1	<0.05	10	<0.5
Reference Materials																		
STD DS7	Standard	0.072	12	196	0.98	373	0.122	39	0.97	0.091	0.44	3.7	0.18	2.3	4.1	0.19	4	3.3
STD DS7	Standard	0.074	14	214	1.03	393	0.134	36	1.03	0.093	0.45	3.9	0.19	2.6	4.1	0.20	4	3.9
STD DS7	Standard	0.075	14	215	1.05	416	0.125	40	1.07	0.109	0.46	3.6	0.19	2.6	4.2	0.23	5	4.6
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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



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Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: July 22, 2009
Report Date: August 10, 2009
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI09000036.2

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-04_72109
P.O. Number
Number of Samples: 12

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**
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Vancouver BC V6C 2V6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R150	12	Crush, split and pulverize rock to 150 mesh			VAN
1DX30	12	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
DIS-RJT	12	Warehouse handling / Disposition of reject			SMI
7AR	1	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN

ADDITIONAL COMMENTS

Version 2: 7AR Cu included



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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Bigtime
 Report Date: August 10, 2009

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

SMI09000036.2

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
B880633	Rock	1.14	0.4	106.8	13.3	44	0.3	33.1	26.3	1001	6.10	22.6	<0.1	2.8	0.3	91	0.2	0.6	0.2	146	6.67
B880634	Rock	1.03	0.9	10.9	3.7	4	<0.1	6.2	6.2	2478	2.33	6.7	<0.1	1.9	<0.1	202	0.2	<0.1	<0.1	24	37.47
B880635	Rock	0.96	5.0	152.3	26.8	41	1.3	45.9	17.0	301	8.08	27.1	0.2	25.0	0.6	37	<0.1	1.2	2.6	136	0.80
B880636	Rock	0.90	33.9	54.6	2.8	4	<0.1	2.0	3.5	246	0.68	0.7	0.2	3.4	1.6	14	0.1	<0.1	0.5	14	1.78
B880637	Rock	1.22	12.6	477.9	12.0	11	0.2	4.2	6.8	113	0.97	<0.5	0.3	<0.5	1.9	14	<0.1	0.1	<0.1	17	1.49
B880638	Rock	2.08	11.6	861.2	2.0	9	0.2	2.6	4.8	93	0.63	<0.5	0.4	2.3	1.9	10	<0.1	<0.1	0.2	7	0.71
B880639	Rock	1.16	10.2	868.9	5.9	13	0.6	35.6	17.7	697	3.56	1.4	0.2	4.9	0.3	54	0.1	0.4	2.8	83	6.89
B880640	Rock	2.02	12.4	4596	0.8	5	<0.1	3.3	16.4	144	0.45	<0.5	0.2	1.1	1.3	4	<0.1	0.1	<0.1	4	0.25
B880641	Rock	1.29	3.5	278.0	8.5	23	0.3	23.3	18.2	516	3.66	9.4	0.2	4.4	0.3	28	<0.1	0.3	0.9	175	2.48
B880642	Rock	1.46	116.5	844.8	11.7	64	0.7	15.7	14.9	346	4.34	1.0	0.5	4.3	0.3	13	0.1	0.4	1.4	204	2.64
B880643	Rock	1.26	35.5	97.3	8.2	4	0.1	2.5	3.9	305	0.85	<0.5	0.3	1.2	1.5	15	0.1	0.2	0.5	13	1.88
B880644	Rock	1.73	0.7	>10000	18.6	88	18.1	6.4	16.3	1029	3.77	4.8	0.3	24.0	0.4	42	5.8	0.9	<0.1	87	3.05



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Project: Bigtime
 Report Date: August 10, 2009

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

SMI09000036.2

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7AR	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Cu	
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	0.001	
B880633	Rock	0.079	5	30	3.00	88	0.001	1	1.03	0.016	0.12	0.1	<0.01	10.7	<0.1	1.60	2	1.8	N.A.
B880634	Rock	0.009	15	5	0.27	11	0.001	<1	0.24	0.004	0.01	0.2	<0.01	3.8	<0.1	<0.05	<1	0.6	N.A.
B880635	Rock	0.146	5	36	1.44	20	0.447	<1	1.90	0.033	0.02	1.0	0.02	8.8	<0.1	2.35	11	4.9	N.A.
B880636	Rock	0.062	6	2	0.04	26	0.001	2	0.26	0.019	0.17	0.1	<0.01	1.5	<0.1	0.06	<1	0.6	N.A.
B880637	Rock	0.066	8	5	0.27	68	0.002	<1	0.60	0.034	0.18	<0.1	<0.01	1.5	<0.1	0.11	2	1.2	N.A.
B880638	Rock	0.066	7	3	0.11	30	0.001	2	0.40	0.020	0.19	0.1	<0.01	1.1	<0.1	0.13	1	0.9	N.A.
B880639	Rock	0.076	4	24	1.20	45	0.023	5	1.44	0.016	0.45	0.2	<0.01	9.1	0.1	1.38	4	7.2	N.A.
B880640	Rock	0.058	6	2	0.02	28	<0.001	1	0.29	0.012	0.19	<0.1	0.03	0.9	<0.1	0.05	<1	0.6	N.A.
B880641	Rock	0.096	5	60	1.01	15	0.010	1	1.35	0.057	0.05	0.2	<0.01	12.3	<0.1	0.79	6	2.9	N.A.
B880642	Rock	0.076	3	25	2.21	12	0.174	<1	1.80	0.030	0.09	1.1	<0.01	8.3	<0.1	1.28	8	3.3	N.A.
B880643	Rock	0.058	7	7	0.08	46	0.001	2	0.33	0.020	0.18	0.1	0.01	1.2	<0.1	0.12	1	1.4	N.A.
B880644	Rock	0.119	3	8	1.33	81	0.176	2	1.65	0.036	<0.01	0.1	0.04	3.2	<0.1	0.64	6	0.7	1.784



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Project: Bigtime
 Report Date: August 10, 2009

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

SMI09000036.2

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																					
B880633	Rock	1.14	0.4	106.8	13.3	44	0.3	33.1	26.3	1001	6.10	22.6	<0.1	2.8	0.3	91	0.2	0.6	0.2	146	6.67
REP B880633	QC		0.5	105.1	13.1	43	0.3	34.2	26.3	966	6.06	22.0	<0.1	5.1	0.3	90	0.2	0.7	0.2	145	6.68
Reference Materials																					
STD DS7	Standard		22.0	115.3	68.6	398	0.9	57.8	9.8	657	2.48	51.7	4.9	73.6	4.5	72	6.6	5.8	4.6	83	1.00
STD DS7	Standard		21.7	103.9	68.8	387	0.9	56.7	9.3	645	2.45	51.5	5.2	74.7	4.6	75	6.8	5.6	4.6	82	1.00
STD GC-7	Standard																				
STD R4A	Standard																				
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
STD GC-7 Expected																					
STD R4A Expected																					
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																				
Prep Wash																					
G1	Prep Blank		0.3	8.1	63.3	49	0.4	4.1	4.7	586	2.03	0.6	1.6	2.1	3.8	61	<0.1	0.8	<0.1	39	0.55
G1	Prep Blank		0.3	5.3	2.7	49	<0.1	3.6	4.4	567	1.97	<0.5	1.6	2.4	3.6	47	<0.1	0.2	<0.1	38	0.51



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Project: Bigtime
Report Date: August 10, 2009

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI09000036.2

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	7AR	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Cu	
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	0.001	
Pulp Duplicates																			
B880633	Rock	0.079	5	30	3.00	88	0.001	1	1.03	0.016	0.12	0.1	<0.01	10.7	<0.1	1.60	2	1.8	N.A.
REP B880633	QC	0.079	5	30	2.95	88	0.001	1	1.05	0.017	0.12	<0.1	<0.01	11.2	<0.1	1.59	2	2.4	
Reference Materials																			
STD DS7	Standard	0.081	13	215	1.08	429	0.124	38	1.09	0.102	0.46	3.5	0.22	2.5	4.5	0.20	5	3.7	
STD DS7	Standard	0.082	13	216	1.07	421	0.127	41	1.08	0.103	0.46	4.1	0.20	2.6	4.4	0.20	5	2.5	
STD GC-7	Standard																		0.558
STD R4A	Standard																		0.502
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	
STD GC-7 Expected																			0.555
STD R4A Expected																			0.502
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
Prep Wash																			
G1	Prep Blank	0.087	8	15	0.62	269	0.133	<1	1.06	0.092	0.57	<0.1	<0.01	2.1	0.4	<0.05	5	<0.5	N.A.
G1	Prep Blank	0.087	7	10	0.61	262	0.120	<1	0.99	0.065	0.57	<0.1	<0.01	2.0	0.4	<0.05	4	<0.5	N.A.



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Submitted By: Email Distribution List
 Receiving Lab: Canada-Smithers
 Received: July 24, 2009
 Report Date: August 04, 2009
 Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI09000038.1

CLIENT JOB INFORMATION

Project: Bigtime
 Shipment ID: BIGT_SSN09-05_72209
 P.O. Number
 Number of Samples: 36

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R150	36	Crush, split and pulverize rock to 150 mesh			VAN
1DX30	36	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
DIS-RJT	36	Warehouse handling / Disposition of reject			SMI

SAMPLE DISPOSAL

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

ADDITIONAL COMMENTS

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**
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 Canada

CC:



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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Bigtime
 Report Date: August 04, 2009

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI09000038.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	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	
B880645	Rock	2.04	51.8	1585	2.1	12	0.4	31.6	76.5	897	4.07	2.0	0.2	14.3	0.3	8	0.1	0.5	2.1	29	0.83
B880646	Rock	2.45	57.1	1727	1.9	27	0.5	46.7	60.6	513	5.44	1.3	0.4	12.0	0.4	6	0.2	0.5	1.5	78	0.75
B880647	Rock	2.19	94.4	3287	3.3	19	0.5	73.4	97.1	1540	5.80	2.5	0.3	18.7	0.5	4	0.2	0.7	2.2	45	0.11
B880648	Rock	2.25	79.1	2839	2.1	15	0.6	41.2	55.6	585	4.85	2.1	0.3	14.3	0.4	3	0.3	0.5	1.9	34	0.15
B880649	Rock	2.52	96.1	2638	2.7	25	0.4	36.8	38.2	541	7.06	4.7	0.2	11.8	0.4	12	0.3	0.7	2.0	77	0.20
B880650	Rock	2.13	53.2	730.4	2.3	8	0.3	8.2	7.3	117	2.44	1.9	0.2	9.3	0.8	4	<0.1	0.4	1.6	24	0.12
B880651	Rock	2.35	31.2	408.5	1.3	4	0.3	2.9	5.8	68	1.28	1.4	0.3	3.8	1.0	4	0.1	0.2	0.8	7	0.10
B880652	Rock	1.94	21.7	3397	0.7	7	<0.1	7.7	45.4	716	0.91	1.4	0.2	0.5	1.3	4	<0.1	0.3	0.2	10	0.14
B880653	Rock	1.89	15.3	463.4	1.0	4	0.1	2.6	7.5	91	0.68	0.9	0.1	1.7	1.4	4	<0.1	0.2	0.3	8	0.14
B880654	Rock	1.94	20.6	753.6	0.7	4	0.2	3.5	12.4	110	0.90	0.9	0.2	2.8	1.4	4	<0.1	0.2	0.3	7	0.14
B880655	Rock	1.82	14.6	1178	0.7	4	0.1	2.6	10.1	101	0.85	0.7	0.2	3.6	1.4	5	<0.1	0.2	0.3	6	0.15
B880656	Rock	1.89	27.1	239.8	1.0	3	0.2	2.6	3.7	60	0.83	1.0	0.1	1.1	1.3	4	<0.1	0.2	0.4	7	0.12
B880657	Rock	1.94	22.3	199.1	1.2	3	0.2	1.4	2.9	35	0.69	1.1	0.2	7.1	1.3	4	<0.1	0.2	0.3	6	0.12
B880658	Rock	1.81	40.1	348.4	1.3	4	0.4	2.3	5.4	38	1.26	3.0	0.2	7.7	1.4	5	<0.1	1.9	0.6	7	0.11
B880659	Rock	1.98	39.4	428.4	1.6	5	0.4	2.8	5.7	47	1.56	1.2	0.2	12.5	1.4	6	<0.1	0.4	0.9	7	0.10
B880660	Rock	1.68	24.6	593.1	1.6	2	0.2	3.0	18.0	292	0.63	1.1	0.2	4.4	1.2	4	<0.1	0.3	0.6	6	0.15
B880661	Rock	2.70	33.5	886.6	1.6	9	0.5	2.2	10.5	115	0.78	0.6	0.2	6.8	1.4	6	<0.1	0.5	0.5	4	0.37
B880662	Rock	2.35	61.5	1146	1.8	4	0.5	2.6	6.7	380	0.78	0.9	0.1	7.7	1.1	19	0.2	0.4	0.6	6	2.00
B880663	Rock	2.32	20.4	1116	1.1	3	0.5	2.5	8.7	264	0.64	1.0	0.1	78.9	1.3	7	0.1	0.3	0.6	8	0.51
B880664	Rock	2.16	29.8	1808	2.0	9	0.5	5.1	15.7	364	1.12	1.2	0.2	7.0	1.4	8	0.1	0.4	0.7	12	0.63
B880665	Rock	1.54	62.8	1697	5.0	16	0.6	8.8	36.5	563	2.37	1.3	0.3	6.7	1.5	9	0.3	0.4	2.7	19	0.69
B880666	Rock	2.13	8.9	535.2	1.2	4	0.4	3.1	16.1	191	0.62	0.6	0.2	4.0	1.1	5	<0.1	0.3	0.7	4	0.24
B880667	Rock	2.09	9.2	250.5	0.8	6	0.1	3.3	11.2	176	0.55	1.1	0.2	1.2	1.1	5	<0.1	0.2	0.4	7	0.15
B880668	Rock	2.53	12.7	721.0	1.6	20	0.3	6.8	25.4	230	1.53	0.6	0.3	<0.5	1.2	7	0.1	0.3	0.4	36	0.48
B880669	Rock	2.47	10.6	977.8	1.0	15	0.4	6.6	33.5	331	1.57	<0.5	0.3	4.8	1.4	8	0.1	0.2	0.6	17	0.38
B880670	Rock	2.16	24.7	737.4	1.6	8	0.4	2.5	9.9	62	1.79	0.8	0.2	9.0	1.4	6	0.1	0.3	1.0	12	0.11
B880671	Rock	1.72	33.5	499.0	1.5	10	0.7	2.3	28.9	248	1.60	<0.5	0.2	11.2	1.4	6	<0.1	0.5	0.8	12	0.14
B880672	Rock	1.66	41.1	544.1	1.5	8	0.7	2.3	7.5	42	2.11	1.2	0.3	15.8	1.4	6	<0.1	0.3	0.8	16	0.10
B880673	Rock	1.64	31.7	1340	1.5	11	0.8	2.4	13.7	85	2.20	<0.5	0.2	14.2	1.4	6	<0.1	0.2	0.9	18	0.22
B880674	Rock	1.57	37.9	647.0	1.3	13	0.7	3.2	10.8	89	2.02	0.5	0.3	13.6	1.3	5	<0.1	0.2	0.6	20	0.10

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Project: Bigtime
 Report Date: August 04, 2009

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CERTIFICATE OF ANALYSIS

SMI09000038.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	0.01	0.01	0.1	0.1	0.05	1	0.5	
B880645	Rock	0.089	7	10	0.40	178	0.002	2	1.29	0.014	0.34	0.3	0.03	7.6	<0.1	0.45	2	7.4
B880646	Rock	0.089	7	26	1.07	47	0.006	3	1.90	0.032	0.26	0.2	0.02	9.1	<0.1	1.02	5	10.7
B880647	Rock	0.101	11	11	0.53	159	0.003	4	1.66	0.020	0.31	0.3	0.07	10.7	<0.1	0.08	4	5.6
B880648	Rock	0.096	15	8	0.37	97	0.001	4	1.34	0.011	0.36	0.3	0.03	8.0	<0.1	0.05	3	5.4
B880649	Rock	0.119	8	60	0.75	692	0.001	6	2.00	0.003	0.35	0.3	0.07	13.9	0.1	<0.05	5	6.6
B880650	Rock	0.058	3	8	0.23	108	<0.001	2	0.89	0.008	0.28	0.1	0.03	2.9	<0.1	<0.05	3	2.3
B880651	Rock	0.054	5	6	0.10	24	<0.001	3	0.56	0.014	0.24	0.1	0.02	1.1	<0.1	<0.05	2	1.5
B880652	Rock	0.062	6	3	0.23	37	<0.001	<1	0.61	0.012	0.24	0.1	<0.01	1.0	<0.1	<0.05	2	0.9
B880653	Rock	0.062	3	5	0.10	23	<0.001	<1	0.54	0.017	0.25	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5
B880654	Rock	0.064	3	3	0.12	29	<0.001	2	0.54	0.018	0.24	<0.1	<0.01	1.0	<0.1	0.05	2	0.6
B880655	Rock	0.061	4	6	0.13	29	<0.001	2	0.54	0.021	0.22	0.1	<0.01	0.9	<0.1	<0.05	2	1.1
B880656	Rock	0.060	2	4	0.11	22	<0.001	2	0.49	0.017	0.26	0.2	<0.01	0.8	<0.1	<0.05	2	0.7
B880657	Rock	0.064	3	5	0.03	24	<0.001	<1	0.45	0.025	0.25	<0.1	0.01	0.8	<0.1	<0.05	1	1.3
B880658	Rock	0.062	4	3	0.08	25	0.001	2	0.50	0.026	0.22	<0.1	0.01	0.9	<0.1	<0.05	2	3.0
B880659	Rock	0.066	4	5	0.09	37	0.001	3	0.62	0.025	0.24	0.1	<0.01	1.0	<0.1	<0.05	2	4.3
B880660	Rock	0.064	4	<1	0.06	31	0.001	2	0.52	0.018	0.25	<0.1	<0.01	0.9	<0.1	<0.05	1	1.1
B880661	Rock	0.059	6	7	0.03	33	<0.001	1	0.33	0.018	0.21	0.1	0.01	0.8	<0.1	0.18	<1	2.3
B880662	Rock	0.049	10	4	0.07	165	<0.001	3	0.32	0.012	0.20	0.2	<0.01	1.2	<0.1	0.16	1	2.3
B880663	Rock	0.058	8	6	0.03	41	<0.001	2	0.36	0.018	0.23	0.2	0.02	1.4	<0.1	0.10	1	1.2
B880664	Rock	0.062	14	3	0.14	44	0.001	2	0.58	0.021	0.25	0.2	0.03	1.5	<0.1	0.13	2	2.0
B880665	Rock	0.067	10	4	0.30	66	0.002	<1	0.69	0.020	0.19	0.2	0.03	1.4	<0.1	0.23	2	2.6
B880666	Rock	0.060	5	4	0.04	35	<0.001	<1	0.41	0.032	0.23	0.1	<0.01	0.7	<0.1	0.12	1	1.1
B880667	Rock	0.066	3	5	0.13	31	0.001	1	0.57	0.025	0.27	<0.1	<0.01	0.8	<0.1	<0.05	2	0.9
B880668	Rock	0.083	7	16	0.64	51	0.005	2	1.00	0.030	0.27	0.1	<0.01	4.6	<0.1	0.10	5	2.0
B880669	Rock	0.068	6	7	0.36	52	0.002	<1	0.77	0.034	0.20	0.1	<0.01	1.5	<0.1	0.23	3	3.4
B880670	Rock	0.066	6	2	0.22	30	0.002	1	0.76	0.033	0.27	0.1	<0.01	1.4	<0.1	<0.05	3	3.0
B880671	Rock	0.069	5	5	0.23	35	0.002	<1	0.75	0.028	0.28	<0.1	<0.01	1.1	<0.1	0.06	3	4.6
B880672	Rock	0.061	5	3	0.26	41	0.002	3	0.72	0.030	0.20	0.1	0.02	1.2	<0.1	<0.05	2	3.1
B880673	Rock	0.058	7	4	0.31	106	0.002	2	0.74	0.033	0.18	0.2	0.08	0.9	<0.1	0.11	3	7.2
B880674	Rock	0.059	2	4	0.37	26	0.002	2	0.99	0.037	0.17	0.1	<0.01	1.3	<0.1	<0.05	3	3.6

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Project: Bigtime
 Report Date: August 04, 2009

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI09000038.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
B880675	Rock	1.67	38.7	1011	1.4	18	0.6	5.0	20.1	131	1.94	1.1	0.2	8.7	1.2	5	<0.1	0.2	0.6	26	0.12
B880676	Rock	1.52	20.2	1674	1.5	11	0.5	3.6	27.2	165	1.25	0.6	0.2	5.6	1.2	5	<0.1	0.3	1.1	13	0.16
B880677	Rock	1.78	37.1	3145	4.1	16	1.1	8.0	28.8	299	1.22	<0.5	0.2	10.2	1.3	9	0.3	0.3	2.7	17	0.88
B880678	Rock	2.14	15.8	1241	1.2	15	0.6	5.3	24.4	167	1.44	<0.5	0.2	8.7	1.3	7	0.1	0.3	0.6	18	0.39
B880679	Rock	2.55	38.8	2181	1.4	19	0.7	8.8	26.4	267	2.03	<0.5	0.2	9.9	0.9	11	0.2	0.4	0.9	46	0.76
B880680	Rock	2.19	113.2	3891	1.0	35	1.2	13.8	24.3	373	2.82	<0.5	0.2	19.5	0.5	10	0.3	0.4	0.6	90	0.97



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Report Date: August 04, 2009

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

SMI09000038.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
B880675	Rock	0.059	3	19	0.50	22	0.003	2	1.01	0.028	0.18	<0.1	0.01	1.7	<0.1	<0.05	3	2.9
B880676	Rock	0.058	4	2	0.29	20	0.002	2	0.68	0.028	0.22	<0.1	<0.01	1.1	<0.1	<0.05	2	2.2
B880677	Rock	0.064	12	6	0.37	31	0.003	<1	0.65	0.033	0.21	<0.1	0.02	1.1	<0.1	0.37	3	3.9
B880678	Rock	0.064	5	4	0.48	26	0.003	3	0.90	0.033	0.28	<0.1	0.02	1.3	<0.1	0.13	3	2.2
B880679	Rock	0.066	9	9	0.92	153	0.006	2	1.17	0.029	0.22	<0.1	0.04	3.2	<0.1	0.31	4	3.6
B880680	Rock	0.103	8	10	1.55	245	0.014	3	1.75	0.026	0.28	<0.1	0.03	5.7	<0.1	0.32	7	3.8



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Project: Bigtime
 Report Date: August 04, 2009

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QUALITY CONTROL REPORT

SMI09000038.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																					
B880648	Rock	2.25	79.1	2839	2.1	15	0.6	41.2	55.6	585	4.85	2.1	0.3	14.3	0.4	3	0.3	0.5	1.9	34	0.15
REP B880648	QC		79.0	2761	1.9	15	0.5	41.3	53.1	551	4.84	2.0	0.3	12.6	0.4	4	0.2	0.5	1.9	33	0.15
Reference Materials																					
STD DS7	Standard		21.2	105.5	68.3	412	0.8	59.0	9.3	647	2.46	52.4	4.9	63.0	4.4	82	6.1	5.7	4.4	80	1.00
STD DS7	Standard		20.2	107.6	66.9	393	0.8	57.3	9.7	656	2.45	50.6	4.5	59.3	4.2	75	5.5	5.3	4.2	81	1.01
STD DS7	Standard		20.1	106.2	65.6	403	0.7	56.0	9.2	643	2.44	52.0	4.8	67.1	4.3	85	6.6	5.9	4.6	78	1.00
STD DS7	Standard		19.9	106.1	66.3	384	0.8	54.3	9.4	634	2.42	49.7	4.9	61.2	4.4	86	6.3	5.6	4.6	79	1.00
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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
Prep Wash																					
G1	Prep Blank		0.1	4.5	2.9	47	<0.1	3.8	4.2	566	2.02	0.5	1.9	1.7	4.1	67	<0.1	<0.1	0.2	39	0.60
G1	Prep Blank		0.2	4.3	2.6	50	<0.1	4.3	4.5	568	2.02	1.1	1.8	<0.5	3.6	71	<0.1	0.2	0.1	39	0.59



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Project: Bigtime
 Report Date: August 04, 2009

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI09000038.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																		
B880648	Rock	0.096	15	8	0.37	97	0.001	4	1.34	0.011	0.36	0.3	0.03	8.0	<0.1	0.05	3	5.4
REP B880648	QC	0.096	15	7	0.37	97	0.002	2	1.28	0.010	0.33	0.3	0.05	7.8	<0.1	0.05	3	6.1
Reference Materials																		
STD DS7	Standard	0.083	15	216	1.03	432	0.131	41	1.08	0.100	0.50	3.8	0.21	2.7	4.1	0.19	5	4.0
STD DS7	Standard	0.077	14	208	1.05	402	0.129	35	1.08	0.092	0.45	3.5	0.19	2.5	3.9	0.19	5	3.5
STD DS7	Standard	0.077	14	206	1.08	431	0.137	40	1.10	0.103	0.47	3.9	0.19	2.7	4.3	0.18	5	3.2
STD DS7	Standard	0.079	14	206	1.04	436	0.140	44	1.09	0.108	0.46	3.9	0.19	2.7	4.2	0.18	5	3.4
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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
Prep Wash																		
G1	Prep Blank	0.085	10	17	0.61	253	0.146	<1	1.06	0.087	0.57	0.2	<0.01	2.2	0.4	<0.05	5	<0.5
G1	Prep Blank	0.086	9	9	0.60	253	0.148	<1	1.05	0.082	0.58	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5



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Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: July 24, 2009
Report Date: August 04, 2009
Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI09000040.1

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-06_72209
P.O. Number
Number of Samples: 47

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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	Lab
SS80	47	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	47	Dry at 60C			SMI
1DX15	47	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Amarc Resources**
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 Vancouver BC V6C 2V6 Canada

Project: Bigtime
 Report Date: August 04, 2009

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI09000040.1

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	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	
1900E6750N	Soil		0.6	27.2	4.2	58	0.1	11.1	7.3	372	2.67	6.7	0.9	2.1	0.8	39	0.1	0.4	0.2	61	0.50
1900E6775N	Soil		0.7	19.6	6.8	45	0.2	10.2	5.7	402	2.93	4.3	0.5	28.4	0.2	22	0.1	0.5	0.2	79	0.17
1900E6800N	Soil		0.7	18.4	5.3	57	0.2	11.4	6.6	360	2.86	5.7	0.6	2.0	0.1	27	0.2	0.6	0.2	72	0.24
1900E6825N	Soil		0.7	18.8	5.1	58	0.3	11.6	6.9	468	3.02	5.8	0.6	2.2	<0.1	34	0.2	0.5	0.2	73	0.33
1900E6850N	Soil		1.1	20.7	8.8	54	<0.1	13.2	6.4	336	3.28	5.5	0.4	4.4	0.2	20	0.2	0.5	0.2	94	0.15
1900E6875N	Soil		0.7	14.1	5.9	31	0.2	7.6	3.0	202	1.66	2.4	0.4	1.9	<0.1	21	0.1	0.3	0.2	48	0.15
1900E6900N	Soil		1.2	37.8	6.7	67	0.1	22.6	9.4	444	2.99	7.6	0.6	3.6	0.2	26	0.2	0.6	0.2	69	0.28
1900E6925N	Soil		1.0	22.2	7.0	56	0.2	13.0	6.6	533	3.15	5.2	0.4	3.2	<0.1	30	0.2	0.5	0.2	85	0.21
1900E6950N	Soil		1.0	22.3	7.0	40	0.2	10.2	5.2	346	2.57	4.2	0.4	2.1	<0.1	20	<0.1	0.4	0.2	73	0.11
1900E6975N	Soil		0.7	9.4	10.3	20	0.2	4.6	2.1	124	1.45	2.4	0.4	5.6	<0.1	15	0.1	0.4	0.2	56	0.11
1900E7000N	Soil		0.7	16.8	9.1	47	0.2	9.4	5.1	381	2.54	4.0	0.5	13.5	0.1	27	0.1	0.4	0.2	76	0.20
1900E7025N	Soil		0.5	14.1	7.9	38	<0.1	7.1	4.2	255	2.28	3.8	0.5	1.8	0.1	34	0.1	0.4	0.2	67	0.24
1900E7050N	Soil		0.7	18.7	6.5	49	0.2	10.3	6.4	374	2.50	4.7	0.5	1.7	<0.1	35	0.1	0.5	0.2	65	0.26
1900E7075N	Soil		0.5	32.2	5.4	61	<0.1	11.1	11.2	840	3.08	9.0	0.8	3.6	1.2	88	0.2	0.4	0.1	61	1.17
1900E7100N	Soil		0.6	30.5	6.7	82	<0.1	16.3	10.8	833	3.25	10.0	0.6	2.6	1.0	114	0.2	0.5	0.1	77	1.29
1900E7125N	Soil		0.8	26.5	6.1	73	0.1	16.0	9.5	525	3.05	8.3	0.6	3.1	0.4	73	0.2	0.5	0.1	77	0.75
1900E7150N	Soil		1.1	35.6	6.1	92	0.1	23.8	9.8	480	3.44	7.1	0.5	3.6	0.2	27	0.3	0.5	0.1	84	0.22
1900E7175N	Soil		1.1	62.2	6.0	96	0.4	18.5	10.0	517	4.00	10.0	0.5	5.7	0.2	27	0.4	0.7	0.2	90	0.20
1900E7200N	Soil		1.0	47.3	7.5	77	0.5	20.8	10.0	535	3.75	9.1	0.5	2.9	0.1	24	0.3	0.7	0.1	99	0.17
1900E7225N	Soil		0.8	85.5	6.7	103	0.1	30.6	14.9	616	4.14	9.5	0.5	2.8	0.4	32	0.2	0.8	0.1	115	0.41
1900E7250N	Soil		1.2	36.2	8.0	79	<0.1	21.2	12.1	547	4.84	8.1	0.4	1.6	0.1	20	0.2	0.6	0.1	108	0.19
1900E7275N	Soil		0.9	57.1	6.9	57	0.1	26.6	13.9	610	3.04	8.0	0.5	6.2	0.7	19	0.2	0.6	<0.1	76	0.23
1900E7300N	Soil		0.5	114.6	7.7	96	0.2	38.5	23.7	889	4.60	12.4	0.6	5.5	0.8	37	0.2	1.4	0.1	137	0.77
1900E7325N	Soil		0.6	95.9	6.7	82	<0.1	30.9	18.1	761	4.02	10.6	0.5	4.1	0.6	37	0.1	1.1	0.1	112	0.63
1900E7350N	Soil		0.5	119.8	8.4	91	<0.1	38.8	25.3	1217	4.83	12.7	0.5	5.3	1.0	37	0.2	1.4	<0.1	133	0.67
1900E7375N	Soil		2.2	263.1	12.1	207	0.3	62.5	85.9	2841	8.88	85.4	1.1	15.6	0.9	33	0.4	2.1	0.2	312	1.01
1900E7400N	Soil		8.1	57.2	7.1	110	0.4	26.8	11.6	633	3.50	7.5	0.5	17.0	0.3	31	0.5	0.6	0.2	97	0.63
1900E7425N	Soil		8.3	21.3	6.4	47	0.2	11.8	6.3	707	2.46	4.3	0.3	54.3	0.2	12	<0.1	0.5	0.2	93	0.07
1900E7450N	Soil		2.3	28.0	9.2	61	0.1	21.3	7.6	351	5.12	9.1	0.3	2.7	0.9	11	0.1	0.7	0.2	111	0.08
1900E7475N	Soil		3.2	16.5	8.4	22	0.1	6.7	2.5	160	1.50	2.1	0.3	4.0	<0.1	14	<0.1	0.3	0.2	65	0.09

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CERTIFICATE OF ANALYSIS

SMI09000040.1

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	0.1	0.05	1	0.5	
1900E6750N	Soil	0.149	7	17	0.46	64	0.077	1	4.55	0.011	0.04	0.2	0.09	2.7	<0.1	0.05	9	0.7
1900E6775N	Soil	0.065	7	22	0.34	70	0.050	<1	1.93	0.012	0.03	<0.1	0.03	1.7	<0.1	<0.05	11	<0.5
1900E6800N	Soil	0.100	7	21	0.45	53	0.051	<1	2.67	0.011	0.04	0.2	0.07	1.8	<0.1	0.07	11	0.6
1900E6825N	Soil	0.139	6	20	0.44	72	0.029	2	2.79	0.011	0.05	0.1	0.07	1.0	<0.1	0.11	10	0.6
1900E6850N	Soil	0.070	7	28	0.38	66	0.071	<1	1.90	0.011	0.05	0.1	0.03	2.1	<0.1	0.05	11	<0.5
1900E6875N	Soil	0.059	8	18	0.21	60	0.025	<1	1.84	0.008	0.04	<0.1	0.03	0.6	0.1	<0.05	9	<0.5
1900E6900N	Soil	0.116	7	30	0.49	72	0.040	2	2.55	0.010	0.06	<0.1	0.05	2.6	<0.1	0.06	7	0.6
1900E6925N	Soil	0.094	5	23	0.33	144	0.032	<1	1.82	0.010	0.05	<0.1	0.04	1.7	<0.1	0.10	9	<0.5
1900E6950N	Soil	0.075	5	23	0.25	111	0.025	<1	1.70	0.010	0.04	<0.1	0.04	1.1	0.1	<0.05	8	<0.5
1900E6975N	Soil	0.045	6	19	0.12	61	0.073	<1	1.49	0.009	0.03	<0.1	0.04	0.9	<0.1	<0.05	11	<0.5
1900E7000N	Soil	0.057	7	25	0.31	83	0.098	2	2.04	0.009	0.04	<0.1	0.03	2.0	<0.1	0.07	11	<0.5
1900E7025N	Soil	0.064	7	18	0.30	81	0.064	1	2.21	0.010	0.04	<0.1	0.03	1.5	<0.1	<0.05	11	0.6
1900E7050N	Soil	0.110	6	21	0.45	70	0.044	1	2.34	0.010	0.05	0.1	0.05	1.5	<0.1	0.09	10	<0.5
1900E7075N	Soil	0.112	10	14	0.52	142	0.056	1	3.12	0.010	0.13	0.1	0.02	2.9	<0.1	<0.05	9	<0.5
1900E7100N	Soil	0.133	8	22	0.64	108	0.084	2	3.87	0.012	0.10	0.2	0.02	3.4	<0.1	<0.05	11	0.5
1900E7125N	Soil	0.118	8	23	0.64	97	0.077	2	3.59	0.018	0.07	0.1	0.03	3.1	<0.1	0.06	11	<0.5
1900E7150N	Soil	0.066	7	34	0.61	100	0.055	2	2.61	0.008	0.06	0.1	0.04	3.0	0.1	<0.05	9	<0.5
1900E7175N	Soil	0.097	5	29	0.64	76	0.049	1	3.01	0.008	0.05	0.1	0.07	2.9	0.1	<0.05	10	<0.5
1900E7200N	Soil	0.101	5	41	0.57	84	0.051	<1	2.71	0.010	0.06	0.1	0.07	2.9	<0.1	0.07	9	<0.5
1900E7225N	Soil	0.073	6	46	0.96	148	0.066	2	3.00	0.013	0.08	0.1	0.03	5.5	<0.1	<0.05	8	<0.5
1900E7250N	Soil	0.068	6	42	0.59	104	0.046	1	2.09	0.009	0.05	0.1	0.04	3.1	<0.1	0.08	9	<0.5
1900E7275N	Soil	0.068	7	39	0.59	85	0.053	2	2.18	0.012	0.05	<0.1	0.03	4.7	<0.1	<0.05	5	<0.5
1900E7300N	Soil	0.098	7	102	2.05	98	0.114	2	2.88	0.012	0.07	0.2	0.02	10.5	<0.1	<0.05	9	0.6
1900E7325N	Soil	0.091	7	67	1.40	104	0.106	2	2.44	0.013	0.06	0.2	0.02	7.6	<0.1	0.05	8	0.6
1900E7350N	Soil	0.087	7	97	2.03	103	0.128	1	2.79	0.011	0.06	0.2	0.02	9.9	<0.1	<0.05	9	<0.5
1900E7375N	Soil	0.134	9	273	3.10	56	0.161	1	4.35	0.006	0.05	0.5	0.06	30.6	<0.1	0.09	14	1.9
1900E7400N	Soil	0.075	7	41	0.78	227	0.051	2	2.48	0.015	0.06	0.2	0.04	4.8	<0.1	<0.05	8	0.6
1900E7425N	Soil	0.046	5	27	0.33	56	0.073	1	1.24	0.009	0.04	<0.1	0.02	2.3	0.1	<0.05	8	<0.5
1900E7450N	Soil	0.118	6	42	0.44	71	0.075	2	2.04	0.009	0.05	0.1	0.04	3.7	<0.1	0.10	9	<0.5
1900E7475N	Soil	0.038	6	23	0.18	56	0.041	<1	1.35	0.007	0.04	<0.1	0.02	1.2	0.1	<0.05	9	<0.5

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Project: Bigtime
 Report Date: August 04, 2009

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CERTIFICATE OF ANALYSIS

SMI09000040.1

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	
1900E7500N	Soil		4.3	26.8	6.7	44	0.1	13.5	5.5	333	3.07	6.4	0.4	58.0	0.2	13	0.1	0.6	0.2	87	0.08
1900E7525N	Soil		6.3	38.3	6.6	41	0.1	12.5	5.2	289	2.61	5.7	0.3	3.4	<0.1	14	0.1	0.5	0.1	77	0.10
1900E7550N	Soil		33.9	213.7	6.6	74	0.2	15.7	8.1	1512	2.32	5.1	0.8	9.8	<0.1	39	0.9	0.6	0.2	75	1.22
1900E7575N	Soil		7.3	28.0	7.6	48	0.4	12.2	7.4	447	4.51	11.0	0.5	8.6	0.2	15	0.2	0.6	0.1	118	0.12
1900E7600N	Soil		14.9	38.9	7.5	52	0.3	13.6	7.7	369	2.88	6.4	0.5	3.8	<0.1	17	0.6	0.5	0.2	75	0.20
1900E7625N	Soil		2.2	36.2	7.1	58	0.2	15.8	9.1	547	4.90	11.0	0.4	2.0	0.5	15	0.1	0.8	0.2	114	0.15
1900E7650N	Soil		2.4	31.1	9.5	50	0.2	11.3	8.5	592	4.66	9.8	0.4	12.2	0.3	27	0.3	0.7	0.2	129	0.12
1900E7675N	Soil		3.6	32.5	6.9	34	0.1	10.6	6.6	290	3.14	6.9	0.3	3.7	0.1	17	0.2	0.6	0.2	92	0.14
1900E7700N	Soil		12.2	69.6	7.1	42	0.2	12.1	8.7	383	4.04	9.7	0.3	3.3	0.2	13	0.1	0.7	0.7	125	0.15
1900E7725N	Soil		7.5	49.4	7.5	41	0.2	10.5	7.2	288	5.11	11.0	0.3	2.7	0.5	11	0.2	0.7	0.4	148	0.08
1900E7750N	Soil		8.1	55.5	7.6	42	0.5	16.0	9.2	424	4.76	9.8	0.3	10.5	0.4	10	0.2	0.7	1.5	131	0.08
1900E7775N	Soil		5.5	51.8	6.1	68	0.4	17.4	8.5	371	4.79	8.7	0.4	2.0	0.2	14	0.3	0.5	0.6	118	0.16
1900E7800N	Soil		3.5	39.3	7.9	48	0.3	11.3	7.1	391	4.47	9.3	0.3	21.0	0.6	10	0.1	0.8	0.3	146	0.09
1900E7825N	Soil		2.5	39.5	10.3	47	0.8	12.6	7.3	299	4.04	9.3	0.3	2.5	0.5	11	0.2	0.6	0.4	113	0.11
1900E7850N	Soil		1.9	20.8	7.9	50	0.4	10.3	5.4	295	4.56	7.1	0.3	2.3	0.7	9	<0.1	0.6	0.3	126	0.06
1900E7875N	Soil		1.9	19.6	8.9	37	0.5	9.2	4.5	208	4.14	6.6	0.3	4.5	0.8	9	<0.1	0.6	0.3	127	0.06
1900E7900N	Soil		1.8	22.6	8.2	28	0.4	8.6	4.3	243	2.78	6.6	0.3	3.2	0.4	11	<0.1	0.6	0.4	118	0.08



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Project: Bigtime
 Report Date: August 04, 2009

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CERTIFICATE OF ANALYSIS

SMI09000040.1

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	0.1	0.05	1	0.5	
1900E7500N	Soil	0.069	5	31	0.33	64	0.041	<1	1.73	0.008	0.05	<0.1	0.04	2.2	<0.1	0.06	8	<0.5
1900E7525N	Soil	0.058	5	29	0.30	59	0.031	<1	1.77	0.009	0.03	<0.1	0.04	1.6	<0.1	<0.05	7	<0.5
1900E7550N	Soil	0.135	7	31	0.52	233	0.027	2	1.59	0.011	0.05	2.0	0.08	2.4	0.1	0.18	6	1.6
1900E7575N	Soil	0.107	5	36	0.44	79	0.058	<1	2.03	0.010	0.03	0.1	0.07	2.6	<0.1	<0.05	8	0.5
1900E7600N	Soil	0.062	5	27	0.34	118	0.025	1	1.76	0.009	0.03	0.2	0.05	1.4	<0.1	<0.05	7	<0.5
1900E7625N	Soil	0.066	4	40	0.57	67	0.070	1	2.42	0.012	0.03	0.2	0.04	3.8	<0.1	<0.05	7	0.6
1900E7650N	Soil	0.096	4	35	0.44	100	0.065	<1	2.25	0.013	0.04	0.2	0.05	3.0	<0.1	<0.05	9	0.6
1900E7675N	Soil	0.044	4	30	0.34	80	0.055	<1	1.30	0.010	0.03	0.2	0.05	2.1	<0.1	<0.05	7	<0.5
1900E7700N	Soil	0.074	3	33	0.36	63	0.065	2	1.38	0.011	0.04	0.3	0.05	2.5	<0.1	<0.05	8	1.0
1900E7725N	Soil	0.096	4	35	0.34	51	0.093	<1	1.82	0.011	0.03	0.4	0.06	2.8	<0.1	<0.05	11	0.8
1900E7750N	Soil	0.066	4	45	0.43	49	0.077	<1	1.74	0.010	0.03	0.4	0.04	2.8	<0.1	<0.05	9	1.0
1900E7775N	Soil	0.114	4	38	0.54	53	0.055	2	2.15	0.010	0.05	0.3	0.07	3.5	<0.1	<0.05	10	0.7
1900E7800N	Soil	0.083	4	37	0.35	59	0.134	1	1.64	0.012	0.04	0.3	0.04	3.0	<0.1	<0.05	10	0.6
1900E7825N	Soil	0.057	3	37	0.47	46	0.084	2	1.94	0.010	0.03	0.3	0.06	3.1	<0.1	<0.05	8	<0.5
1900E7850N	Soil	0.062	4	29	0.24	57	0.125	1	1.43	0.009	0.03	0.1	0.05	2.5	<0.1	<0.05	11	0.5
1900E7875N	Soil	0.062	4	29	0.21	45	0.112	<1	1.38	0.009	0.04	0.2	0.05	2.7	<0.1	<0.05	11	<0.5
1900E7900N	Soil	0.046	5	31	0.18	66	0.099	<1	1.15	0.012	0.03	0.2	0.04	2.2	<0.1	<0.05	9	<0.5



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Project: Bigtime
 Report Date: August 04, 2009

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

SMI09000040.1

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																					
1900E7050N	Soil	0.7	18.7	6.5	49	0.2	10.3	6.4	374	2.50	4.7	0.5	1.7	<0.1	35	0.1	0.5	0.2	65	0.26	
REP 1900E7050N	QC	0.8	19.0	6.3	50	0.1	10.7	6.5	378	2.47	4.8	0.5	1.4	<0.1	35	0.2	0.5	0.1	65	0.25	
1900E7525N	Soil	6.3	38.3	6.6	41	0.1	12.5	5.2	289	2.61	5.7	0.3	3.4	<0.1	14	0.1	0.5	0.1	77	0.10	
REP 1900E7525N	QC	6.4	39.2	6.7	40	0.1	12.4	5.4	298	2.72	5.9	0.4	3.2	<0.1	15	0.2	0.5	0.1	81	0.11	
1900E7750N	Soil	8.1	55.5	7.6	42	0.5	16.0	9.2	424	4.76	9.8	0.3	10.5	0.4	10	0.2	0.7	1.5	131	0.08	
REP 1900E7750N	QC	8.1	53.3	7.4	41	0.5	14.3	9.1	408	4.69	10.1	0.4	13.1	0.3	10	0.2	0.6	1.5	130	0.08	
Reference Materials																					
STD DS7	Standard	20.9	111.9	65.8	403	0.9	57.3	9.7	646	2.49	53.4	4.8	71.4	4.4	83	7.1	6.4	4.6	86	0.98	
STD DS7	Standard	19.8	105.0	67.8	396	0.8	53.1	9.5	622	2.42	50.6	4.8	77.1	4.2	76	6.7	6.3	4.5	83	0.95	
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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	



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Project: Bigtime
 Report Date: August 04, 2009

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI09000040.1

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																		
1900E7050N	Soil	0.110	6	21	0.45	70	0.044	1	2.34	0.010	0.05	0.1	0.05	1.5	<0.1	0.09	10	<0.5
REP 1900E7050N	QC	0.107	6	21	0.45	68	0.039	<1	2.32	0.009	0.05	0.1	0.04	1.5	<0.1	<0.05	10	<0.5
1900E7525N	Soil	0.058	5	29	0.30	59	0.031	<1	1.77	0.009	0.03	<0.1	0.04	1.6	<0.1	<0.05	7	<0.5
REP 1900E7525N	QC	0.054	5	30	0.32	58	0.033	<1	1.74	0.009	0.03	<0.1	0.04	1.7	0.1	0.07	7	<0.5
1900E7750N	Soil	0.066	4	45	0.43	49	0.077	<1	1.74	0.010	0.03	0.4	0.04	2.8	<0.1	<0.05	9	1.0
REP 1900E7750N	QC	0.063	4	47	0.42	50	0.083	<1	1.71	0.010	0.03	0.4	0.05	2.9	<0.1	<0.05	9	1.0
Reference Materials																		
STD DS7	Standard	0.089	14	210	1.10	421	0.125	42	1.09	0.117	0.52	3.7	0.18	2.7	4.0	0.22	5	4.1
STD DS7	Standard	0.074	13	205	1.05	412	0.124	38	1.05	0.102	0.48	3.8	0.19	2.8	4.0	0.20	5	3.8
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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



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Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: July 28, 2009
Report Date: August 07, 2009
Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI09000048.1

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-08_072409
P.O. Number
Number of Samples: 39

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	Lab
R150	39	Crush, split and pulverize rock to 150 mesh			VAN
1DX30	39	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
DIS-RJT	39	Warehouse handling / Disposition of reject			SMI

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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Bigtime
 Report Date: August 07, 2009

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI09000048.1

Method Analyte	Unit	MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
			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
B880550	Rock			1.3	278.8	9.7	55	1.2	47.4	27.3	606	11.38	125.7	<0.1	23.8	0.4	2	<0.1	1.2	3.5	191	0.07
B880551	Rock			3.4	248.0	3.6	52	0.5	48.9	33.1	645	5.56	27.0	0.2	37.6	0.3	27	0.1	0.5	0.4	181	0.50
B880552	Rock			1.3	287.0	2.2	45	0.4	50.0	29.9	710	6.02	29.8	0.2	7.7	0.4	22	0.2	1.0	0.3	171	0.61
B880553	Rock			0.6	158.6	2.0	79	<0.1	73.6	37.4	1376	7.21	24.5	0.1	1.3	0.4	26	0.2	0.5	<0.1	265	3.12
B880554	Rock			1.2	105.1	3.4	85	<0.1	26.1	29.7	1288	5.22	11.4	0.7	0.9	0.8	35	0.6	1.3	<0.1	234	5.44
B880555	Rock			2.5	101.0	151.3	175	0.3	33.5	22.0	1134	4.74	24.9	1.2	2.3	0.8	38	2.4	2.4	<0.1	237	6.72
B880556	Rock			0.4	138.3	3.2	73	<0.1	41.2	29.4	914	6.13	11.9	0.1	2.2	0.4	26	0.1	0.5	<0.1	195	2.49
B880557	Rock			0.7	149.2	1.7	68	<0.1	42.2	29.7	1106	6.34	13.0	0.1	2.5	0.4	24	<0.1	0.6	0.2	195	1.98
B880558	Rock			3.4	1803	13.7	57	1.5	39.2	37.9	611	9.81	94.7	<0.1	37.1	0.2	14	0.9	3.0	2.2	159	1.47
B880559	Rock			0.7	162.1	3.2	59	0.1	66.9	33.8	1101	6.74	13.1	<0.1	4.9	0.3	28	<0.1	0.6	0.2	191	3.78
B880560	Rock			14.2	183.2	5.3	36	<0.1	91.5	24.8	484	4.03	3.0	0.3	1.8	0.6	25	<0.1	0.2	0.2	143	3.26
B880561	Rock			5.0	45.6	13.3	41	<0.1	94.0	23.6	595	3.70	0.8	0.1	<0.5	0.3	33	<0.1	<0.1	0.2	143	2.86
B880562	Rock			8.7	30.4	5.5	16	<0.1	26.9	9.4	204	1.94	1.4	0.1	<0.5	0.2	8	<0.1	<0.1	<0.1	75	1.21
B880563	Rock			85.0	332.2	6.0	29	0.2	18.2	15.5	261	3.26	15.4	0.2	1.6	0.6	14	<0.1	0.1	0.7	110	1.19
B880564	Rock			42.4	446.3	3.8	11	0.5	16.5	15.8	105	4.34	3.1	0.2	8.7	0.5	6	<0.1	0.7	1.4	61	0.17
B880565	Rock			3.2	291.5	5.8	31	0.4	51.7	24.5	523	4.66	1.9	0.2	3.1	0.5	20	<0.1	0.6	2.0	156	0.89
B880566	Rock			2.7	184.4	1.6	19	0.2	36.9	31.8	1008	4.50	8.4	0.1	12.2	0.4	23	0.1	0.3	2.9	75	2.23
B880567	Rock			12.6	94.0	2.3	25	0.2	26.6	43.9	508	4.48	4.6	0.2	9.3	0.5	11	<0.1	0.3	2.2	162	0.76
B880568	Rock			35.9	167.2	4.7	12	1.0	14.9	28.2	155	6.22	10.1	0.2	19.4	0.5	6	<0.1	0.4	7.5	111	0.24
B880569	Rock			28.4	1138	2.0	33	0.4	11.9	28.2	356	5.63	1.8	0.2	15.0	0.5	10	<0.1	0.5	0.8	197	0.57
B880570	Rock			22.3	937.3	3.2	43	0.5	17.0	22.6	343	3.67	1.3	0.3	10.1	0.5	7	<0.1	0.5	0.4	198	0.38
B880571	Rock			35.9	1975	1.0	44	0.9	13.9	21.4	311	5.59	1.9	0.2	20.7	0.5	19	0.1	0.4	0.4	223	1.31
B880572	Rock			54.5	1175	3.2	38	0.9	11.0	30.2	225	6.18	1.5	0.3	18.1	0.5	11	<0.1	0.7	1.0	223	0.42
B880573	Rock			13.5	423.6	0.9	11	<0.1	5.1	14.7	145	0.89	0.7	0.1	1.8	1.5	4	<0.1	0.3	0.2	14	0.13
B880574	Rock			4.1	563.6	28.8	1219	2.0	24.4	26.0	1753	7.93	16.4	0.5	18.1	0.9	15	7.1	1.3	0.8	181	1.37
B880575	Rock			12.7	1832	46.1	380	5.4	27.2	24.2	1561	13.53	26.2	0.4	42.0	0.7	4	2.2	2.5	1.1	143	0.21
B880684	Rock			1.4	2859	17.9	317	1.5	68.8	55.9	1920	12.31	34.7	<0.1	5.9	0.3	6	1.9	1.0	0.4	193	0.89
B880685	Rock			1.1	1197	3.8	360	0.5	35.8	32.6	1793	9.45	36.9	0.2	1.9	0.4	18	2.1	0.4	0.2	138	3.89
B880686	Rock			1.0	766.2	4.8	168	0.5	26.7	39.0	1798	9.66	17.0	0.1	1.6	0.4	4	0.4	0.4	<0.1	139	0.43
B880687	Rock			1.2	2332	7.7	151	0.7	25.4	65.9	1939	13.33	15.1	<0.1	4.4	0.4	4	0.4	0.5	0.1	204	0.35

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: Bigtime
 Report Date: August 07, 2009

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CERTIFICATE OF ANALYSIS

SMI09000048.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
B880550	Rock	0.063	1	139	2.31	64	0.036	<1	3.01	0.008	0.07	<0.1	0.01	9.2	<0.1	1.46	13	4.7
B880551	Rock	0.072	2	71	2.86	42	0.260	1	3.23	0.021	0.03	0.1	<0.01	8.4	<0.1	<0.05	8	1.4
B880552	Rock	0.083	3	78	3.01	80	0.211	2	3.20	0.022	0.05	0.1	0.01	9.2	<0.1	0.05	9	1.2
B880553	Rock	0.068	5	188	3.61	44	0.240	2	3.99	0.014	0.02	0.1	<0.01	17.3	<0.1	<0.05	13	<0.5
B880554	Rock	0.094	5	77	2.33	15	0.263	2	2.52	0.021	0.03	0.3	<0.01	13.0	0.1	0.27	10	1.2
B880555	Rock	0.089	4	66	2.28	12	0.275	4	2.36	0.027	0.03	0.2	<0.01	10.5	0.1	0.60	10	4.6
B880556	Rock	0.084	5	59	2.37	36	0.306	67	2.90	0.042	0.03	0.2	<0.01	9.3	<0.1	0.16	11	0.7
B880557	Rock	0.078	5	38	2.72	31	0.344	21	3.10	0.026	0.02	0.3	<0.01	8.6	<0.1	0.11	12	0.5
B880558	Rock	0.038	2	84	2.10	55	0.027	4	2.41	0.012	0.06	0.1	0.05	9.9	0.2	0.66	10	5.3
B880559	Rock	0.066	4	88	3.12	41	0.026	4	3.82	0.017	0.08	<0.1	<0.01	12.2	<0.1	0.20	12	0.7
B880560	Rock	0.097	6	168	2.64	45	0.172	2	2.32	0.050	0.14	1.1	<0.01	8.3	<0.1	<0.05	9	0.7
B880561	Rock	0.052	4	224	3.60	22	0.072	2	2.42	0.007	0.17	0.2	<0.01	13.0	<0.1	<0.05	8	<0.5
B880562	Rock	0.029	2	74	0.94	7	0.106	1	0.67	0.013	0.06	0.4	<0.01	2.4	<0.1	<0.05	4	<0.5
B880563	Rock	0.114	7	26	0.95	126	0.021	3	1.09	0.044	0.10	0.3	<0.01	7.8	<0.1	0.22	5	1.9
B880564	Rock	0.060	3	24	0.34	75	0.006	2	0.61	0.023	0.13	0.3	0.05	3.6	<0.1	0.26	3	17.4
B880565	Rock	0.089	3	90	2.55	74	0.227	2	2.30	0.092	0.18	1.3	<0.01	6.0	<0.1	0.27	8	5.0
B880566	Rock	0.105	5	36	0.83	95	0.004	4	1.55	0.021	0.27	0.1	<0.01	7.6	<0.1	1.16	4	5.0
B880567	Rock	0.116	5	49	1.42	64	0.045	2	1.56	0.063	0.12	0.2	0.01	9.8	<0.1	0.66	6	7.9
B880568	Rock	0.103	3	49	0.76	31	0.031	1	0.97	0.048	0.12	0.7	0.05	6.2	<0.1	0.93	5	26.4
B880569	Rock	0.115	7	7	2.04	54	0.044	3	2.17	0.043	0.36	0.4	<0.01	9.2	<0.1	0.08	9	2.1
B880570	Rock	0.078	3	19	2.36	35	0.201	2	2.00	0.033	0.20	1.1	<0.01	10.8	<0.1	<0.05	9	1.3
B880571	Rock	0.097	7	10	2.42	47	0.078	2	2.27	0.038	0.32	0.6	<0.01	14.3	<0.1	0.22	10	3.3
B880572	Rock	0.109	5	9	2.38	34	0.169	<1	2.12	0.055	0.16	1.1	<0.01	11.4	<0.1	0.19	9	4.2
B880573	Rock	0.057	2	6	0.25	17	0.003	1	0.51	0.027	0.13	0.1	<0.01	1.4	<0.1	0.06	2	1.0
B880574	Rock	0.114	7	128	2.92	43	0.155	2	3.42	0.016	0.06	0.3	0.12	14.0	<0.1	1.09	12	4.4
B880575	Rock	0.102	3	70	2.10	41	0.067	2	4.11	0.004	0.08	0.2	0.07	7.6	<0.1	0.80	11	12.9
B880684	Rock	0.083	4	102	3.73	25	0.050	2	5.66	0.008	0.02	0.2	0.04	12.9	<0.1	0.94	14	15.5
B880685	Rock	0.079	6	58	2.29	54	0.039	1	4.70	0.006	0.07	0.1	0.02	10.3	<0.1	0.30	10	4.3
B880686	Rock	0.088	6	53	2.27	43	0.011	2	4.61	0.005	0.07	<0.1	<0.01	9.0	<0.1	0.15	10	4.9
B880687	Rock	0.113	4	55	2.67	118	0.027	1	6.03	0.004	0.07	0.1	0.01	13.2	<0.1	0.27	13	13.8

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: Bigtime
 Report Date: August 07, 2009

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CERTIFICATE OF ANALYSIS

SMI09000048.1

Method	Analyte	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
B880688	Rock	0.01	1.2	2688	20.0	117	1.5	63.2	50.7	1286	12.38	32.0	0.1	14.3	0.5	4	0.4	1.8	0.7	194	0.33
B880689	Rock		0.7	827.5	15.4	113	0.7	27.2	86.2	1406	12.60	35.9	0.1	12.6	0.6	9	0.5	0.8	0.2	189	0.81
B880690	Rock		1.0	3577	10.6	164	0.8	34.3	94.3	1334	11.84	65.0	0.1	3.9	0.4	3	1.0	0.5	0.3	175	0.38
B880691	Rock		1.0	1550	12.2	229	0.6	39.4	43.6	1521	11.40	14.5	<0.1	2.9	0.3	4	0.9	0.7	0.2	168	0.54
B880692	Rock		7.1	234.4	71.1	401	1.1	13.8	4.0	1138	4.13	36.9	0.3	3.9	0.3	4	2.3	4.1	0.4	96	0.09
B880693	Rock		1.6	195.6	13.1	298	0.7	28.2	16.1	2060	8.45	31.0	0.5	2.0	0.5	17	1.4	0.8	0.3	221	1.73
B880694	Rock		0.9	353.6	38.4	431	0.6	12.4	28.7	1527	7.99	30.8	0.4	6.0	0.8	25	2.5	0.7	<0.1	271	2.52
B880695	Rock		3.8	261.2	36.0	322	0.4	13.2	25.0	1372	6.59	30.7	0.9	2.5	1.0	20	2.8	0.8	<0.1	300	3.10
B880696	Rock		1.5	214.7	13.6	108	0.3	30.4	25.8	1330	5.46	51.3	0.5	1.8	1.0	24	1.1	0.9	<0.1	227	2.89



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Project: Bigtime
 Report Date: August 07, 2009

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CERTIFICATE OF ANALYSIS

SMI09000048.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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	
B880688	Rock	0.107	7	89	2.58	197	0.016	2	5.41	0.004	0.10	<0.1	0.03	13.2	<0.1	0.34	13	19.3
B880689	Rock	0.117	7	59	2.73	493	0.017	2	5.77	0.004	0.07	<0.1	0.02	12.6	<0.1	0.17	14	5.8
B880690	Rock	0.090	4	69	2.48	114	0.027	<1	5.16	0.004	0.06	<0.1	0.01	12.5	<0.1	0.36	12	21.2
B880691	Rock	0.082	4	82	2.82	113	0.081	2	5.12	0.004	0.05	0.1	<0.01	12.8	<0.1	0.66	12	11.4
B880692	Rock	0.050	2	45	3.76	157	0.089	2	3.01	0.004	0.05	0.2	0.23	5.9	0.4	0.83	7	6.8
B880693	Rock	0.096	4	81	4.23	108	0.179	3	4.79	0.011	0.02	0.3	0.02	15.5	<0.1	0.15	12	1.7
B880694	Rock	0.145	7	27	2.61	180	0.249	4	3.47	0.032	0.06	0.2	0.04	13.1	0.3	0.28	13	1.4
B880695	Rock	0.157	8	25	2.26	149	0.255	3	3.16	0.033	0.04	0.3	0.01	11.4	<0.1	0.14	13	1.8
B880696	Rock	0.146	7	46	2.55	57	0.224	3	2.97	0.046	0.06	0.3	<0.01	10.2	<0.1	0.37	11	1.8



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Project: Bigtime
 Report Date: August 07, 2009

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

SMI09000048.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																					
B880551	Rock	3.4	248.0	3.6	52	0.5	48.9	33.1	645	5.56	27.0	0.2	37.6	0.3	27	0.1	0.5	0.4	181	0.50	
REP B880551	QC	3.2	251.3	2.8	49	0.5	47.4	33.1	645	5.54	26.3	0.2	37.3	0.3	26	0.2	0.5	0.4	178	0.50	
B880562	Rock	8.7	30.4	5.5	16	<0.1	26.9	9.4	204	1.94	1.4	0.1	<0.5	0.2	8	<0.1	<0.1	<0.1	75	1.21	
REP B880562	QC	9.0	30.3	4.6	15	<0.1	25.3	9.0	203	1.92	1.3	0.1	1.2	0.2	8	<0.1	<0.1	<0.1	74	1.19	
Reference Materials																					
STD DS7	Standard	22.7	119.9	73.5	405	0.8	57.2	9.6	636	2.47	52.5	5.4	62.9	4.9	86	6.4	6.5	5.2	82	1.03	
STD DS7	Standard	21.3	116.1	70.1	380	0.7	54.0	9.6	603	2.44	50.6	5.2	64.9	4.5	73	6.2	6.2	5.0	79	0.97	
STD DS7	Standard	20.4	111.6	71.9	391	0.8	55.2	9.6	615	2.41	49.2	5.2	61.4	4.6	78	6.2	6.0	5.0	78	0.97	
STD DS7	Standard	19.7	110.5	66.2	385	0.8	53.0	9.4	580	2.41	48.2	4.8	98.3	4.4	74	5.8	5.9	4.8	78	0.97	
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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	
Prep Wash																					
G1	Prep Blank	0.1	3.6	2.6	49	<0.1	3.9	4.6	560	1.90	0.7	1.7	0.6	3.8	57	<0.1	<0.1	<0.1	37	0.51	
G1	Prep Blank	0.2	3.4	2.7	50	<0.1	3.9	5.0	572	1.95	0.9	1.8	1.0	4.0	61	<0.1	<0.1	<0.1	37	0.51	



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Project: Bigtime
Report Date: August 07, 2009

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QUALITY CONTROL REPORT

SMI09000048.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																		
B880551	Rock	0.072	2	71	2.86	42	0.260	1	3.23	0.021	0.03	0.1	<0.01	8.4	<0.1	<0.05	8	1.4
REP B880551	QC	0.071	2	73	2.88	39	0.266	<1	3.22	0.021	0.03	0.2	<0.01	9.1	<0.1	<0.05	9	1.1
B880562	Rock	0.029	2	74	0.94	7	0.106	1	0.67	0.013	0.06	0.4	<0.01	2.4	<0.1	<0.05	4	<0.5
REP B880562	QC	0.029	2	70	0.96	8	0.101	<1	0.67	0.012	0.06	0.4	<0.01	2.2	<0.1	<0.05	4	<0.5
Reference Materials																		
STD DS7	Standard	0.076	14	199	1.07	412	0.132	40	1.09	0.095	0.44	3.7	0.17	2.5	4.1	0.19	5	3.5
STD DS7	Standard	0.073	12	189	1.05	383	0.122	37	1.01	0.086	0.42	3.6	0.18	2.2	4.1	0.19	4	3.7
STD DS7	Standard	0.076	13	198	1.04	385	0.123	40	1.03	0.088	0.42	3.9	0.18	2.3	3.9	0.19	4	3.6
STD DS7	Standard	0.074	13	189	1.05	371	0.120	35	1.04	0.087	0.41	3.6	0.17	2.2	3.8	0.19	5	3.8
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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
Prep Wash																		
G1	Prep Blank	0.081	7	17	0.60	268	0.141	<1	0.95	0.062	0.57	<0.1	<0.01	2.1	0.4	<0.05	5	<0.5
G1	Prep Blank	0.088	7	18	0.62	278	0.145	<1	0.98	0.063	0.55	<0.1	<0.01	2.1	0.4	<0.05	5	<0.5



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Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: July 28, 2009
Report Date: August 05, 2009
Page: 1 of 7

CERTIFICATE OF ANALYSIS

SMI09000049.1

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-07_072409
P.O. Number
Number of Samples: 164

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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**
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Vancouver BC V6C 2V6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	164	Dry at 60C sieve 100g to -80 mesh			SMI
Soil Pulverize	3	Soil Pulverize			VAN
Dry at 60C	164	Dry at 60C			SMI
1DX15	164	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Bigtime
 Report Date: August 05, 2009

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CERTIFICATE OF ANALYSIS

SMI09000049.1

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	
1900E7925N	Soil		2.2	27.6	7.7	37	0.4	14.7	7.3	387	3.31	6.3	0.3	2.1	0.1	14	0.2	0.6	0.4	121	0.12
1900E7950N	Soil		1.5	18.8	9.7	32	0.3	11.5	5.4	203	2.77	5.2	0.3	2.9	0.4	13	<0.1	0.6	0.4	109	0.10
1900E7975N	Soil		2.7	67.0	6.5	55	0.8	22.9	14.4	1168	4.77	10.3	0.4	3.3	0.2	13	0.3	0.7	0.5	154	0.11
1900E8000N	Soil		1.9	26.3	11.1	37	0.7	16.5	9.4	357	4.14	12.3	0.4	3.5	0.3	15	0.2	0.8	0.5	153	0.12
1900E8025N	Soil		2.5	52.4	6.6	56	1.7	32.2	13.3	460	5.14	15.0	0.5	4.8	0.2	14	0.4	0.8	0.3	121	0.16
1900E8050N	Soil		2.9	39.8	7.9	49	0.4	21.7	10.6	643	4.11	16.0	0.3	3.7	0.1	15	0.2	0.8	0.6	131	0.13
1900E8075N	Soil		4.6	43.9	6.6	52	0.4	30.2	12.4	408	4.17	17.0	0.3	13.7	0.3	20	0.1	0.9	0.6	130	0.23
1900E8100N	Soil		4.8	83.8	8.5	108	0.1	48.0	19.5	697	4.92	21.4	0.3	17.3	0.5	27	0.2	0.9	0.7	144	0.60
1900E8125N	Soil		3.4	35.5	6.8	55	0.2	23.2	8.9	309	4.10	11.0	0.3	8.0	0.3	12	0.3	0.7	0.4	119	0.14
1900E8150N	Soil		3.3	56.3	6.6	75	0.3	42.2	17.1	521	4.70	14.3	0.4	15.4	0.6	20	0.2	0.9	0.4	148	0.29
1900E8175N	Soil		2.2	47.6	8.2	58	0.2	39.4	21.7	1792	4.45	8.5	0.4	31.8	<0.1	22	0.2	0.8	0.4	153	0.23
1900E8200N	Soil		2.4	282.2	8.8	127	0.5	42.2	16.7	1473	3.89	10.9	1.0	9.9	0.3	42	0.6	0.9	0.4	104	1.59
1900E8225N	Soil		2.4	129.5	8.7	210	0.3	43.3	18.4	618	4.27	9.4	0.5	1.4	0.9	25	0.7	0.7	0.2	117	0.59
1900E8250N	Soil		2.1	249.1	7.9	163	0.6	52.8	18.4	1206	4.35	9.9	0.7	7.3	0.3	36	1.0	1.0	0.2	108	1.20
2100E6750N	Soil		1.0	20.2	7.0	38	<0.1	9.5	4.7	279	2.71	3.6	0.4	3.7	<0.1	22	<0.1	0.5	0.2	85	0.16
2100E6775N	Soil		1.2	35.4	6.9	50	0.2	15.5	7.4	289	2.44	4.5	0.4	4.2	<0.1	19	0.1	0.5	0.1	71	0.15
2100E6800N	Soil		1.2	30.2	6.8	56	0.1	20.5	7.6	318	2.50	4.4	0.4	2.4	<0.1	17	0.1	0.4	0.2	79	0.13
2100E6825N	Soil		0.9	32.1	7.8	71	<0.1	15.9	12.1	804	2.92	5.5	0.6	3.1	0.3	82	0.2	0.6	0.1	83	1.12
2100E6850N	Soil		1.0	37.5	8.0	80	<0.1	21.0	12.1	674	3.35	6.9	0.7	2.1	0.9	65	0.2	0.5	0.1	89	0.82
2100E6875N	Soil		1.5	40.5	8.1	77	<0.1	21.5	11.3	664	3.46	8.2	0.7	1.8	1.2	48	0.2	0.5	0.1	85	0.51
2100E6900N	Soil		0.9	39.4	7.0	76	<0.1	20.8	14.6	738	3.90	9.2	0.6	11.0	1.4	59	0.2	0.6	0.2	112	0.77
2100E6925N	Soil		0.9	23.2	6.9	46	0.2	9.9	5.9	258	2.08	6.2	0.6	4.4	<0.1	23	0.1	0.4	0.2	54	0.23
2100E6950N	Soil		0.7	16.9	8.0	33	0.2	7.6	4.2	158	1.61	3.0	0.5	7.9	<0.1	24	<0.1	0.3	0.2	47	0.20
2100E6975N	Soil		1.7	45.5	5.4	72	0.3	17.4	10.3	392	3.37	7.3	0.7	4.2	0.8	34	0.3	0.4	0.1	82	0.44
2100E7000N	Soil		1.1	20.1	7.7	42	0.1	8.1	6.1	258	2.41	3.9	0.5	2.0	<0.1	20	<0.1	0.5	0.2	66	0.16
2100E7025N	Soil		1.4	42.0	7.4	55	0.2	16.9	10.0	564	2.98	6.1	0.4	2.7	<0.1	32	0.2	0.6	0.1	71	0.30
2100E7050N	Soil		1.3	22.9	7.0	46	0.1	10.6	6.5	302	2.91	5.5	0.5	2.5	0.1	17	0.1	0.4	0.1	80	0.14
2100E7075N	Soil		0.8	37.7	5.4	61	<0.1	18.6	12.8	799	2.80	7.3	0.5	6.5	1.1	52	0.2	0.4	0.1	60	0.68
2100E7100N	Soil		0.8	27.4	6.5	63	0.2	14.4	9.4	440	3.20	8.6	0.5	6.0	0.4	41	0.2	0.5	0.1	78	0.54
2100E7125N	Soil		0.7	54.8	14.5	87	0.2	19.2	13.4	826	3.87	11.8	0.5	2.0	0.6	54	0.3	0.6	<0.1	104	0.60

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Project: Bigtime
 Report Date: August 05, 2009

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CERTIFICATE OF ANALYSIS

SMI09000049.1

Method Analyte Unit MDL		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	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1900E7925N	Soil	0.051	5	40	0.34	53	0.084	2	1.56	0.011	0.05	0.2	0.04	2.6	0.1	<0.05	9	<0.5	
1900E7950N	Soil	0.044	7	35	0.27	79	0.112	2	1.52	0.008	0.04	0.1	0.04	2.8	<0.1	<0.05	10	<0.5	
1900E7975N	Soil	0.068	5	57	0.48	67	0.072	1	2.18	0.008	0.04	0.2	0.06	3.4	0.1	<0.05	9	<0.5	
1900E8000N	Soil	0.059	6	54	0.33	77	0.119	<1	1.47	0.009	0.04	0.2	0.05	2.5	<0.1	<0.05	11	0.6	
1900E8025N	Soil	0.095	5	75	0.66	61	0.081	2	2.13	0.008	0.05	0.2	0.13	3.2	<0.1	<0.05	8	0.5	
1900E8050N	Soil	0.120	6	60	0.37	83	0.063	2	1.60	0.008	0.05	0.2	0.06	2.4	0.1	<0.05	10	<0.5	
1900E8075N	Soil	0.046	6	72	0.54	104	0.095	1	1.81	0.009	0.04	0.2	0.04	3.4	0.1	<0.05	9	0.5	
1900E8100N	Soil	0.046	6	89	1.00	134	0.089	4	2.34	0.009	0.05	0.3	0.03	5.3	<0.1	<0.05	9	<0.5	
1900E8125N	Soil	0.083	5	51	0.37	66	0.069	2	1.42	0.007	0.05	0.2	0.04	3.1	<0.1	<0.05	9	0.6	
1900E8150N	Soil	0.075	6	102	0.85	99	0.101	2	2.05	0.009	0.05	0.4	0.04	4.8	<0.1	<0.05	9	0.6	
1900E8175N	Soil	0.100	5	132	0.63	85	0.072	2	1.61	0.008	0.05	0.2	0.04	2.5	<0.1	<0.05	10	0.6	
1900E8200N	Soil	0.231	12	81	0.72	158	0.025	3	2.67	0.009	0.08	0.1	0.10	5.4	0.2	0.11	8	1.7	
1900E8225N	Soil	0.049	8	68	0.80	139	0.065	3	2.83	0.008	0.06	0.2	0.05	6.0	<0.1	<0.05	9	0.6	
1900E8250N	Soil	0.134	12	77	0.87	169	0.040	4	2.78	0.011	0.10	0.2	0.07	6.0	0.2	0.07	8	1.5	
2100E6750N	Soil	0.045	6	25	0.25	69	0.054	1	1.86	0.009	0.04	<0.1	0.03	1.7	0.1	<0.05	10	<0.5	
2100E6775N	Soil	0.091	7	32	0.40	91	0.027	2	2.53	0.009	0.06	<0.1	0.05	1.2	0.1	<0.05	7	0.8	
2100E6800N	Soil	0.076	6	34	0.42	87	0.033	2	2.18	0.009	0.05	<0.1	0.03	1.6	0.1	<0.05	8	<0.5	
2100E6825N	Soil	0.139	7	25	0.54	69	0.072	4	3.72	0.010	0.08	0.1	0.04	2.9	<0.1	<0.05	11	0.7	
2100E6850N	Soil	0.130	8	28	0.58	105	0.087	3	3.54	0.011	0.07	0.1	0.03	3.3	<0.1	<0.05	10	0.9	
2100E6875N	Soil	0.148	11	29	0.57	94	0.084	4	3.11	0.017	0.07	0.2	0.03	3.6	<0.1	<0.05	9	0.8	
2100E6900N	Soil	0.108	9	28	0.64	88	0.122	2	2.91	0.012	0.07	0.2	0.02	4.2	<0.1	<0.05	9	0.8	
2100E6925N	Soil	0.103	5	19	0.38	82	0.026	<1	2.42	0.008	0.04	0.1	0.07	1.0	<0.1	0.11	10	0.5	
2100E6950N	Soil	0.085	5	17	0.29	82	0.025	1	2.17	0.008	0.04	<0.1	0.06	0.9	<0.1	0.08	10	<0.5	
2100E6975N	Soil	0.109	6	25	0.71	90	0.063	1	3.67	0.010	0.05	0.2	0.07	3.8	<0.1	<0.05	9	0.5	
2100E7000N	Soil	0.071	5	18	0.44	61	0.044	<1	2.17	0.008	0.05	0.1	0.04	1.3	<0.1	0.07	12	<0.5	
2100E7025N	Soil	0.129	5	26	0.50	115	0.019	2	1.88	0.007	0.06	<0.1	0.07	1.2	<0.1	0.08	6	<0.5	
2100E7050N	Soil	0.061	5	25	0.44	87	0.036	<1	2.02	0.009	0.04	0.1	0.04	1.6	<0.1	<0.05	10	<0.5	
2100E7075N	Soil	0.098	6	22	0.47	82	0.060	<1	3.26	0.007	0.06	0.2	0.05	2.6	<0.1	<0.05	6	<0.5	
2100E7100N	Soil	0.104	6	24	0.50	65	0.061	1	3.29	0.008	0.05	0.2	0.03	2.4	<0.1	<0.05	9	0.8	
2100E7125N	Soil	0.096	6	37	0.88	80	0.091	1	2.97	0.009	0.06	0.1	0.03	3.6	<0.1	<0.05	9	0.5	

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Project: Bigtime
 Report Date: August 05, 2009

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CERTIFICATE OF ANALYSIS

SMI09000049.1

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	
2100E7150N	Soil		0.5	105.3	16.7	122	0.1	33.4	22.2	1291	4.74	11.3	0.6	4.1	1.1	57	0.8	0.8	0.1	130	0.79
2100E7175N	Soil		1.2	89.1	9.3	100	0.2	26.5	16.0	779	3.58	12.0	0.9	2.3	0.2	50	0.3	0.8	0.1	114	0.79
2100E7200N	Soil		0.5	109.1	8.8	99	0.1	34.1	23.5	1160	4.68	12.4	0.6	3.6	0.9	51	0.2	1.0	<0.1	134	0.69
2100E7225N	Soil		1.1	90.2	9.1	86	0.3	25.6	14.6	615	3.62	15.2	1.1	2.4	0.3	51	0.3	0.8	0.1	121	0.70
2100E7275N	Soil		1.2	36.9	8.0	63	<0.1	16.4	10.8	651	4.32	10.1	0.4	1.7	0.2	22	0.2	0.6	0.1	106	0.27
2100E7300N	Soil		1.6	39.7	5.8	54	0.1	14.4	8.8	398	4.41	16.1	0.5	3.8	<0.1	19	0.2	0.7	0.1	104	0.19
2100E7325N	Soil		1.7	32.6	10.2	55	<0.1	13.4	11.1	1098	4.60	10.5	0.4	1.5	0.1	18	0.2	0.7	0.2	111	0.19
2100E7350N	Soil		1.3	26.2	6.6	50	0.4	11.8	7.3	304	2.73	6.1	0.4	3.0	<0.1	17	0.1	0.7	0.2	79	0.15
2100E7375N	Soil		1.8	36.3	7.4	63	0.2	17.9	9.6	1226	4.26	9.9	0.4	2.3	<0.1	15	0.1	0.7	0.2	116	0.13
2100E7425N	Soil		2.3	23.0	7.6	43	0.5	10.2	6.3	447	3.34	6.6	0.4	1.8	<0.1	16	0.1	0.6	0.2	105	0.10
2100E7450N	Soil		2.9	29.1	11.8	53	0.4	16.2	9.2	413	3.68	7.4	0.3	1.4	0.2	16	0.1	0.7	0.3	111	0.15
2100E7475N	Soil		3.2	34.6	10.0	57	0.2	19.7	10.9	925	4.90	9.8	0.3	1.9	0.2	13	0.1	0.7	0.2	143	0.09
2100E7500N	Soil		4.9	49.1	8.5	62	0.1	18.7	9.0	396	3.84	7.3	0.6	2.5	0.3	15	0.2	0.5	0.2	97	0.17
2100E7525N	Soil		3.5	25.7	9.0	33	0.4	12.7	5.4	190	2.17	3.0	0.4	2.6	0.1	15	0.1	0.5	0.3	77	0.10
2100E7550N	Soil		12.9	31.1	11.5	42	0.1	8.7	5.8	647	2.78	5.1	0.3	1.5	0.1	11	<0.1	0.5	0.3	85	0.07
2100E7575N	Soil		62.2	305.9	9.9	58	0.2	50.9	22.8	576	5.47	9.8	0.3	2.6	0.1	12	0.2	0.5	0.8	159	0.18
2100E7600N	Soil		61.1	519.9	6.2	38	0.5	27.1	24.1	701	6.78	16.2	0.3	6.0	<0.1	7	0.1	1.0	1.4	197	0.07
2100E7625N	Soil		43.1	274.8	5.9	32	0.3	15.1	13.6	445	6.73	10.2	0.3	2.7	0.1	4	0.1	0.9	1.3	288	0.05
2100E7650N	Soil		22.1	209.0	8.2	46	0.4	21.4	13.7	554	5.26	12.5	0.4	3.8	<0.1	14	0.2	0.5	0.6	137	0.19
2100E7675N	Soil		101.9	909.3	12.4	36	1.1	47.0	84.5	1002	14.91	18.9	0.4	54.0	0.7	6	0.1	1.4	19.8	204	0.09
2100E7700N	Soil		105.3	876.3	6.1	26	0.6	16.5	22.0	325	6.14	7.8	0.3	21.0	<0.1	7	0.2	1.0	3.2	132	0.08
2100E7725N	Soil		26.3	468.9	17.1	47	1.0	61.0	87.7	1855	11.94	19.4	0.3	44.2	0.6	10	0.2	1.4	8.8	250	0.15
2100E7750N	Soil		45.7	541.7	10.8	42	0.8	55.3	89.8	1425	13.66	19.3	0.3	94.8	0.6	9	0.1	1.1	22.2	217	0.09
2100E7775N	Soil		30.9	573.1	22.0	50	1.1	59.0	73.9	2810	12.09	16.3	0.3	52.6	0.6	13	0.2	1.5	9.5	272	0.22
2100E7800N	Soil		20.5	489.0	7.4	49	0.5	69.8	42.5	874	11.65	15.7	0.3	58.1	0.7	8	0.1	1.2	8.5	226	0.11
2100E7825N	Soil		11.8	101.7	6.3	41	0.4	35.3	24.2	705	7.62	23.9	0.4	10.8	0.3	12	0.1	1.1	8.2	218	0.15
2100E7850N	Soil		13.8	84.2	10.0	94	0.3	29.1	79.1	1770	14.82	95.3	0.6	28.2	1.3	9	0.2	1.7	2.6	334	0.15
2100E7875N	Soil		3.2	81.9	5.8	59	0.3	40.3	20.6	667	5.58	16.4	0.3	10.0	0.6	16	0.1	0.8	1.7	163	0.20
2100E7900N	Soil		3.5	42.1	7.8	43	0.5	16.3	10.3	388	4.25	14.2	0.4	5.5	<0.1	15	<0.1	0.8	1.7	138	0.14
2100E7925N	Soil		6.1	103.2	10.4	62	0.5	32.9	20.1	513	5.85	29.6	0.5	12.3	0.5	16	0.2	1.0	2.6	155	0.16

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CERTIFICATE OF ANALYSIS

SMI09000049.1

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	0.1	0.05	1	0.5	
2100E7150N	Soil	0.112	7	72	1.51	75	0.127	2	2.81	0.008	0.08	0.1	0.02	6.4	<0.1	<0.05	9	<0.5
2100E7175N	Soil	0.119	8	61	1.19	101	0.049	2	2.90	0.010	0.07	0.2	0.04	3.9	<0.1	<0.05	10	0.9
2100E7200N	Soil	0.114	7	85	1.57	65	0.125	2	2.94	0.008	0.06	0.2	0.03	5.7	<0.1	<0.05	10	<0.5
2100E7225N	Soil	0.121	11	62	1.06	111	0.052	1	3.27	0.012	0.05	0.2	0.03	4.7	<0.1	0.05	10	0.8
2100E7275N	Soil	0.103	5	32	0.50	102	0.050	2	2.85	0.008	0.04	0.1	0.07	2.8	<0.1	<0.05	7	<0.5
2100E7300N	Soil	0.093	4	35	0.51	57	0.043	<1	2.62	0.008	0.03	0.1	0.08	1.9	<0.1	<0.05	8	<0.5
2100E7325N	Soil	0.099	4	31	0.65	54	0.059	1	1.75	0.010	0.04	<0.1	0.03	2.2	<0.1	<0.05	10	<0.5
2100E7350N	Soil	0.071	4	36	0.47	70	0.049	<1	1.68	0.009	0.04	0.1	0.05	2.0	<0.1	<0.05	8	<0.5
2100E7375N	Soil	0.105	5	36	0.49	97	0.040	1	1.74	0.008	0.05	<0.1	0.05	1.8	0.1	<0.05	8	<0.5
2100E7425N	Soil	0.081	5	35	0.40	63	0.053	1	1.72	0.008	0.04	0.1	0.06	1.4	<0.1	0.05	9	<0.5
2100E7450N	Soil	0.092	4	37	0.67	38	0.080	<1	1.68	0.007	0.04	0.2	0.05	2.6	<0.1	<0.05	10	<0.5
2100E7475N	Soil	0.075	5	40	0.48	50	0.082	2	1.82	0.006	0.03	0.1	0.03	2.9	<0.1	<0.05	10	0.5
2100E7500N	Soil	0.085	6	45	0.62	55	0.070	1	3.24	0.006	0.04	0.2	0.07	3.4	<0.1	0.05	9	0.5
2100E7525N	Soil	0.043	5	31	0.45	48	0.076	<1	1.50	0.007	0.04	0.1	0.04	2.0	<0.1	<0.05	9	<0.5
2100E7550N	Soil	0.052	5	20	0.21	74	0.036	2	1.12	0.007	0.04	0.2	0.02	1.1	0.1	<0.05	7	<0.5
2100E7575N	Soil	0.079	5	83	1.42	62	0.034	2	2.39	0.006	0.06	0.4	0.03	5.2	<0.1	<0.05	10	1.4
2100E7600N	Soil	0.100	3	46	0.88	62	0.018	1	2.11	0.006	0.05	2.0	0.03	2.8	<0.1	0.07	11	5.0
2100E7625N	Soil	0.091	3	47	0.66	120	0.048	1	2.30	0.004	0.06	1.0	0.06	4.0	<0.1	0.06	14	2.4
2100E7650N	Soil	0.129	4	54	0.78	54	0.035	<1	1.94	0.006	0.06	0.9	0.09	2.3	<0.1	0.07	9	1.0
2100E7675N	Soil	0.146	5	78	1.26	43	0.060	1	2.89	0.007	0.08	5.4	0.06	11.7	<0.1	0.15	10	31.4
2100E7700N	Soil	0.100	4	32	0.67	50	0.011	1	2.29	0.005	0.07	0.9	0.04	2.7	<0.1	0.08	9	4.8
2100E7725N	Soil	0.127	7	91	1.41	100	0.064	2	2.97	0.009	0.10	3.2	0.04	11.2	<0.1	0.11	11	14.2
2100E7750N	Soil	0.118	7	78	1.13	87	0.047	2	2.76	0.008	0.09	3.5	0.04	12.3	<0.1	0.14	10	25.4
2100E7775N	Soil	0.128	10	98	1.29	92	0.053	2	2.69	0.006	0.11	12.5	0.05	14.5	<0.1	0.06	11	10.7
2100E7800N	Soil	0.101	3	118	1.57	56	0.045	2	3.92	0.008	0.07	1.7	0.06	10.2	<0.1	0.06	11	13.4
2100E7825N	Soil	0.087	4	111	0.73	69	0.121	<1	2.08	0.013	0.04	1.1	0.04	3.5	<0.1	0.08	12	1.4
2100E7850N	Soil	0.139	10	43	1.02	73	0.142	1	2.09	0.008	0.05	1.9	0.05	8.8	<0.1	0.07	13	1.7
2100E7875N	Soil	0.058	4	95	1.14	98	0.160	2	2.09	0.018	0.07	0.9	0.04	3.8	0.1	0.07	10	1.1
2100E7900N	Soil	0.075	4	44	0.43	67	0.076	<1	1.58	0.010	0.04	0.4	0.07	2.0	<0.1	0.09	9	0.7
2100E7925N	Soil	0.065	5	78	0.88	59	0.136	<1	2.23	0.012	0.04	1.0	0.05	4.0	<0.1	0.06	11	1.3

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Project: Bigtime
 Report Date: August 05, 2009

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CERTIFICATE OF ANALYSIS

SMI09000049.1

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	
2100E7950N	Soil		3.2	75.5	8.7	56	0.5	29.5	17.7	603	5.48	25.6	0.4	7.0	0.5	16	0.2	0.9	1.6	163	0.17
2100E7975N	Soil		3.6	55.7	9.2	53	0.4	20.3	16.2	889	4.95	17.6	0.4	4.4	0.1	18	0.2	0.8	1.2	161	0.15
2100E8000N	Soil		3.3	72.3	8.5	64	0.3	31.0	18.7	985	4.80	25.1	0.4	9.8	0.1	20	0.2	1.1	1.5	154	0.21
2100E8025N	Soil		3.2	111.6	8.4	76	0.2	52.9	21.5	656	5.30	32.5	0.5	15.0	0.3	18	0.2	1.1	1.3	138	0.25
2100E8050N	Soil		2.9	88.8	6.9	75	0.6	53.4	16.1	632	4.39	18.0	0.6	4.4	0.2	22	0.3	1.0	0.8	133	0.46
2100E8075N	Soil		1.8	53.7	9.6	59	0.7	21.3	10.6	558	3.83	14.1	0.4	11.8	<0.1	15	0.2	0.6	0.5	120	0.13
2100E8100N	Soil		2.5	55.7	8.1	58	0.3	24.1	12.2	924	3.02	8.9	0.5	18.8	<0.1	18	0.3	0.7	0.6	112	0.18
2100E8150N	Soil		2.0	66.1	6.7	78	0.3	20.3	8.8	415	3.08	6.9	0.5	8.0	0.1	22	0.5	0.5	0.2	91	0.43
2100E8200N	Soil		3.2	238.2	7.6	102	0.7	31.7	15.0	781	3.76	20.5	0.7	11.8	0.2	44	0.8	0.9	0.2	104	1.14
2100E8225N	Soil		6.5	44.6	8.3	79	0.1	21.7	9.2	341	3.74	27.6	0.5	7.1	0.2	17	0.5	0.8	0.4	134	0.24
2100E8250N	Soil		5.7	57.9	8.4	82	0.2	21.7	11.4	641	4.48	10.0	0.4	2.7	0.2	17	0.3	0.7	0.2	129	0.22
2200E6750N	Soil		0.8	38.7	5.8	75	<0.1	14.9	12.9	940	3.06	7.8	0.8	4.1	1.6	82	0.2	0.5	0.2	78	1.22
2200E6775N	Soil		2.9	62.1	6.9	154	0.2	35.2	12.8	849	4.19	7.7	2.4	4.4	0.3	16	0.2	0.5	0.2	101	0.14
2200E6800N	Soil		1.4	48.7	7.7	109	<0.1	24.3	13.3	798	3.65	7.7	0.9	2.6	0.6	41	0.2	0.5	0.1	93	0.56
2200E6825N	Soil		1.3	55.7	9.8	88	<0.1	23.2	15.8	954	3.58	9.6	0.7	8.9	0.6	29	0.3	0.6	0.2	94	0.40
2200E6850N	Soil		0.8	34.5	8.7	43	0.2	14.1	6.9	358	3.09	5.4	0.4	11.1	<0.1	40	0.1	0.6	0.2	95	0.47
2200E6875N	Soil		0.8	33.1	8.1	38	0.2	12.3	6.4	303	3.08	4.7	0.5	4.7	<0.1	39	0.1	0.6	0.2	94	0.48
2200E6900N	Soil		1.4	49.9	8.2	45	0.2	11.1	6.6	333	2.63	7.0	0.5	7.4	<0.1	22	0.2	0.6	0.2	81	0.22
2200E6925N	Soil		1.6	71.8	8.8	76	0.1	21.5	14.4	856	3.50	11.1	0.6	15.9	0.5	30	0.3	0.6	0.2	98	0.42
2200E6950N	Soil		1.8	56.5	6.9	95	<0.1	20.4	13.4	922	3.39	9.8	0.8	8.8	0.4	33	0.2	0.6	0.1	94	0.41
2200E6975N	Soil		1.4	48.4	7.1	59	<0.1	16.7	12.3	600	3.94	10.1	0.5	10.5	0.2	19	0.4	0.6	<0.1	93	0.26
2200E7000N	Soil		1.4	44.6	8.4	68	0.1	17.6	13.1	749	3.58	11.1	0.6	7.7	0.4	21	0.2	0.6	0.1	96	0.29
2200E7025N	Soil		1.1	75.3	11.3	77	<0.1	24.2	16.1	1047	3.63	11.5	0.5	9.2	1.2	33	0.3	0.8	0.1	102	0.50
2200E7050N	Soil		0.9	63.3	5.9	74	<0.1	20.1	17.2	632	3.78	9.1	0.5	6.7	0.9	24	0.2	0.7	<0.1	100	0.37
2200E7075N	Soil		1.3	31.9	7.3	53	0.1	13.2	8.4	404	4.47	8.6	0.5	3.7	0.2	17	0.2	0.6	0.1	116	0.18
2200E7100N	Soil		1.5	38.3	7.9	59	0.1	14.9	11.2	822	3.96	10.1	0.5	4.8	0.2	24	0.2	0.6	0.1	119	0.28
2200E7125N	Soil		1.6	56.9	9.3	81	<0.1	21.4	13.3	720	3.38	12.3	0.6	6.0	0.3	32	0.2	0.7	0.1	102	0.45
2200E7150N	Soil		1.5	53.8	7.1	74	0.1	19.6	15.2	688	3.85	11.7	0.5	9.9	0.7	23	0.2	0.6	<0.1	102	0.31
2200E7175N	Soil		1.6	40.6	9.3	65	<0.1	17.2	13.6	939	4.57	11.9	0.6	6.1	0.5	22	0.2	0.6	0.1	117	0.28
2200E7200N	Soil		1.7	29.1	8.2	62	<0.1	12.1	8.9	506	5.01	12.5	0.4	3.5	0.2	24	0.1	0.7	0.2	172	0.22

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Project: Bigtime
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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	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	
2100E7950N	Soil	0.062	5	69	0.73	52	0.148	1	2.31	0.010	0.04	0.7	0.06	3.9	<0.1	<0.05	10	1.0
2100E7975N	Soil	0.080	4	54	0.48	110	0.091	2	1.54	0.010	0.05	0.7	0.05	2.4	0.1	0.10	10	0.9
2100E8000N	Soil	0.076	5	83	0.56	145	0.073	<1	1.84	0.010	0.06	0.5	0.03	2.7	<0.1	0.09	10	0.9
2100E8025N	Soil	0.086	5	101	1.22	80	0.086	1	2.46	0.010	0.05	0.5	0.05	4.1	<0.1	0.07	8	0.7
2100E8050N	Soil	0.080	7	105	1.00	105	0.083	<1	2.39	0.011	0.07	0.7	0.04	3.1	<0.1	0.08	10	1.0
2100E8075N	Soil	0.104	4	53	0.47	88	0.027	<1	2.08	0.010	0.04	0.2	0.05	1.2	<0.1	0.09	9	0.8
2100E8100N	Soil	0.094	5	77	0.57	87	0.056	2	1.91	0.010	0.05	0.2	0.02	2.2	<0.1	0.06	8	1.1
2100E8150N	Soil	0.097	7	32	0.55	97	0.030	1	2.21	0.011	0.05	0.1	0.03	2.5	<0.1	0.07	7	0.9
2100E8200N	Soil	0.161	13	51	0.70	107	0.027	2	2.67	0.011	0.05	0.4	0.07	4.0	<0.1	0.10	7	1.5
2100E8225N	Soil	0.058	7	61	0.55	122	0.077	<1	1.74	0.011	0.04	0.4	0.06	2.9	<0.1	0.06	12	0.8
2100E8250N	Soil	0.086	5	39	0.57	100	0.048	1	2.19	0.010	0.05	0.2	0.03	3.2	<0.1	0.06	9	1.0
2200E6750N	Soil	0.145	9	19	0.54	93	0.098	1	4.60	0.011	0.08	0.2	0.03	3.8	<0.1	<0.05	9	1.2
2200E6775N	Soil	0.159	9	46	0.84	191	0.026	2	4.19	0.009	0.11	0.2	0.03	4.1	0.3	<0.05	12	0.9
2200E6800N	Soil	0.141	8	31	0.73	110	0.076	2	3.04	0.012	0.09	0.1	0.02	4.5	<0.1	<0.05	10	0.9
2200E6825N	Soil	0.133	8	33	0.60	86	0.075	1	2.99	0.010	0.07	0.1	0.04	4.4	<0.1	<0.05	8	1.2
2200E6850N	Soil	0.068	6	32	0.31	88	0.057	<1	1.89	0.010	0.04	0.2	0.03	1.6	<0.1	<0.05	9	0.9
2200E6875N	Soil	0.057	6	33	0.27	88	0.041	<1	1.84	0.010	0.03	0.1	0.05	1.6	<0.1	<0.05	10	<0.5
2200E6900N	Soil	0.110	7	27	0.31	91	0.037	<1	1.81	0.010	0.05	0.1	0.04	1.5	0.1	<0.05	8	0.7
2200E6925N	Soil	0.117	8	34	0.62	111	0.074	2	2.55	0.013	0.07	0.2	0.02	4.7	<0.1	<0.05	7	<0.5
2200E6950N	Soil	0.089	8	30	0.74	106	0.072	<1	2.53	0.012	0.07	0.2	0.02	4.2	<0.1	<0.05	8	0.7
2200E6975N	Soil	0.106	5	33	0.44	88	0.066	<1	2.79	0.010	0.04	0.2	0.08	3.1	<0.1	<0.05	5	0.7
2200E7000N	Soil	0.123	7	34	0.53	59	0.080	1	2.88	0.011	0.06	0.2	0.04	3.8	<0.1	<0.05	7	0.7
2200E7025N	Soil	0.099	8	34	0.64	97	0.114	1	2.08	0.013	0.07	0.2	0.01	5.5	<0.1	<0.05	6	0.7
2200E7050N	Soil	0.090	7	30	0.70	76	0.121	2	2.49	0.014	0.06	0.1	0.03	4.5	<0.1	<0.05	5	1.0
2200E7075N	Soil	0.059	6	33	0.43	62	0.075	<1	2.69	0.008	0.04	0.1	0.04	2.8	<0.1	<0.05	10	1.1
2200E7100N	Soil	0.090	6	31	0.48	79	0.076	2	2.43	0.011	0.05	0.1	0.03	3.1	<0.1	<0.05	8	0.7
2200E7125N	Soil	0.085	8	34	0.66	95	0.076	1	2.39	0.012	0.06	0.1	0.02	4.0	<0.1	<0.05	8	0.8
2200E7150N	Soil	0.086	6	37	0.65	77	0.080	1	3.48	0.011	0.05	0.2	0.05	4.9	<0.1	<0.05	6	0.6
2200E7175N	Soil	0.159	7	35	0.56	65	0.077	<1	2.92	0.010	0.04	0.1	0.04	4.0	<0.1	<0.05	8	0.5
2200E7200N	Soil	0.074	4	33	0.47	111	0.110	1	1.87	0.011	0.05	0.1	0.02	3.1	<0.1	<0.05	11	<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	
2200E7225N	Soil		1.5	36.9	6.2	55	0.5	11.9	7.2	397	3.30	7.2	0.5	4.0	<0.1	18	0.2	0.6	0.1	105	0.16
2200E7250N	Soil		1.9	49.4	8.4	61	0.3	17.8	10.9	593	4.36	10.9	0.5	6.7	0.2	17	0.2	0.7	0.1	120	0.19
2200E7300N	Soil		1.6	22.0	7.9	49	0.3	11.3	8.1	378	4.05	9.2	0.4	27.2	0.1	21	<0.1	0.7	0.2	129	0.15
2200E7325N	Soil		3.4	36.5	8.6	57	0.3	13.6	8.8	1017	3.80	9.0	0.5	10.2	0.1	15	0.3	0.6	0.2	102	0.11
2200E7350N	Soil		1.2	26.8	5.4	62	0.3	14.6	9.5	570	4.02	11.1	0.4	11.9	0.1	19	0.1	0.6	0.2	96	0.12
2200E7375N	Soil		2.1	25.1	6.9	49	0.4	11.0	7.1	388	3.11	8.2	0.5	4.3	<0.1	19	0.1	0.5	0.2	84	0.11
2200E7400N	Soil		4.1	14.6	8.7	32	0.4	5.5	3.9	396	2.08	3.8	0.4	3.4	<0.1	15	0.3	0.4	0.3	70	0.09
2200E7425N	Soil		12.0	51.0	10.8	59	0.2	22.8	11.3	734	4.18	6.6	0.4	1.5	0.2	14	0.3	0.5	0.4	139	0.11
2200E7450N	Soil		9.2	74.4	18.9	79	0.2	24.5	16.0	831	4.86	11.1	0.5	3.2	0.4	21	0.2	0.6	0.6	159	0.24
2200E7475N	Soil		7.1	90.8	12.7	47	0.3	45.7	10.5	292	2.58	3.3	0.4	2.2	<0.1	17	0.2	0.4	0.6	91	0.23
2200E7500N	Soil		58.1	374.2	10.4	59	0.2	46.0	28.1	954	5.29	10.3	0.3	2.9	<0.1	12	0.3	0.4	0.9	137	0.25
2200E7575N	Soil		142.7	1388	8.3	66	0.4	48.6	67.6	1650	7.60	25.1	0.4	11.0	0.3	8	0.2	0.5	1.4	191	0.11
2200E7600N	Soil		113.4	2148	4.4	48	0.3	42.3	54.4	1095	7.18	20.5	0.4	15.8	0.3	6	0.3	0.5	1.4	163	0.11
2200E7625N	Soil		92.1	585.5	5.8	37	0.1	25.3	27.6	1099	4.78	10.4	0.3	5.1	0.6	6	0.2	0.3	0.7	99	0.11
2200E7650N	Soil		56.7	1134	9.7	54	0.7	28.7	40.5	582	6.88	15.6	0.4	23.4	0.8	14	0.2	0.7	2.3	160	0.15
2200E7675N	Soil		88.7	934.6	11.5	48	0.9	22.1	38.7	623	7.59	9.6	0.3	36.4	0.7	14	0.2	0.7	8.4	156	0.20
2200E7700N	Soil		19.4	166.0	7.4	51	0.2	19.7	11.3	334	5.02	10.8	0.5	54.5	0.9	17	0.2	0.5	0.4	131	0.14
2200E7725N	Soil		105.8	705.3	7.2	34	0.5	22.6	29.8	684	9.32	10.8	0.3	27.7	0.5	7	0.2	0.9	7.2	149	0.09
2200E7750N	Soil		73.9	509.2	10.4	45	0.7	64.1	60.2	916	14.54	8.3	0.4	27.0	0.6	8	0.2	1.1	95.3	192	0.19
2200E7775N	Soil		15.3	143.7	6.5	43	0.3	27.7	22.9	537	6.83	12.0	0.2	6.1	0.3	8	<0.1	0.6	3.4	179	0.07
2200E7825N	Soil		9.8	87.7	6.4	46	0.2	27.1	17.0	851	5.62	12.7	0.3	5.3	0.1	12	<0.1	0.6	2.1	158	0.14
2200E7850N	Soil		12.6	90.6	7.0	48	0.4	22.1	14.6	772	5.61	12.6	0.4	16.0	0.1	15	0.1	0.5	2.3	159	0.14
2200E7875N	Soil		4.5	69.0	6.2	51	0.6	22.9	15.2	1459	4.22	14.4	0.5	10.7	<0.1	17	0.2	0.5	2.1	130	0.13
2200E7900N	Soil		4.6	73.9	6.3	50	0.7	31.2	17.4	829	5.13	19.8	0.4	8.3	<0.1	13	0.1	0.7	6.1	139	0.13
2200E7925N	Soil		4.5	85.3	6.5	59	0.4	33.4	17.3	794	5.69	24.2	0.5	14.3	0.2	14	0.2	0.7	2.8	122	0.13
2200E7950N	Soil		3.2	60.1	7.9	51	0.4	23.3	14.4	678	5.05	18.9	0.4	7.8	0.1	16	0.1	0.8	2.1	142	0.14
2200E7975N	Soil		3.8	70.7	8.0	61	0.3	32.3	19.6	864	5.72	24.0	0.4	6.4	0.3	19	0.2	0.8	1.9	148	0.18
2200E8000N	Soil		2.1	46.6	6.6	47	0.2	25.7	13.9	1163	4.63	15.5	0.4	5.5	0.1	18	0.1	0.8	0.9	136	0.17
2200E8025N	Soil		2.7	106.0	7.2	62	0.4	43.9	19.6	913	4.79	17.9	0.4	32.3	0.2	23	0.2	0.8	0.9	144	0.33
2200E8050N	Soil		2.3	75.0	7.7	60	0.2	37.4	16.0	700	4.78	18.8	0.4	9.7	0.2	16	0.2	0.8	0.8	130	0.17

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Project: Bigtime
 Report Date: August 05, 2009

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CERTIFICATE OF ANALYSIS

SMI09000049.1

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	0.1	0.05	1	0.5	
2200E7225N	Soil	0.074	5	33	0.41	72	0.052	<1	2.26	0.010	0.05	0.1	0.05	1.7	0.1	<0.05	9	<0.5
2200E7250N	Soil	0.064	6	40	0.55	79	0.070	1	2.68	0.011	0.04	0.1	0.05	3.2	<0.1	<0.05	9	0.7
2200E7300N	Soil	0.059	5	33	0.48	89	0.068	2	1.94	0.007	0.05	<0.1	0.04	2.6	0.1	<0.05	10	0.5
2200E7325N	Soil	0.092	4	37	0.58	71	0.057	2	2.20	0.010	0.04	0.1	0.06	2.4	<0.1	<0.05	8	<0.5
2200E7350N	Soil	0.067	4	35	0.74	68	0.057	1	2.17	0.010	0.03	0.2	0.06	2.8	<0.1	<0.05	8	<0.5
2200E7375N	Soil	0.073	5	28	0.55	59	0.042	<1	1.89	0.008	0.03	0.1	0.05	1.5	<0.1	<0.05	9	<0.5
2200E7400N	Soil	0.039	5	20	0.27	68	0.078	<1	1.18	0.010	0.03	0.1	0.04	1.4	<0.1	<0.05	9	<0.5
2200E7425N	Soil	0.061	4	67	0.75	61	0.088	1	2.19	0.010	0.03	0.4	0.05	3.7	<0.1	<0.05	10	0.7
2200E7450N	Soil	0.104	5	67	1.18	56	0.112	1	2.77	0.012	0.04	0.4	0.03	5.4	<0.1	<0.05	11	0.7
2200E7475N	Soil	0.073	4	98	1.10	67	0.069	<1	1.91	0.012	0.06	0.4	0.04	3.4	<0.1	<0.05	9	<0.5
2200E7500N	Soil	0.111	7	78	1.28	89	0.025	<1	2.36	0.008	0.07	0.5	0.03	4.5	<0.1	<0.05	8	1.8
2200E7575N	Soil	0.137	9	53	1.56	60	0.025	1	2.75	0.006	0.06	12.0	0.04	11.6	<0.1	<0.05	11	6.1
2200E7600N	Soil	0.149	12	58	1.43	127	0.023	1	2.66	0.007	0.09	12.5	0.04	12.7	<0.1	<0.05	9	5.9
2200E7625N	Soil	0.131	5	34	0.76	106	0.009	<1	2.18	0.005	0.14	1.5	0.03	5.6	<0.1	<0.05	7	1.6
2200E7650N	Soil	0.104	5	43	1.11	70	0.070	<1	2.75	0.010	0.06	1.9	0.03	7.7	<0.1	<0.05	9	5.1
2200E7675N	Soil	0.099	5	30	1.09	60	0.074	<1	2.33	0.008	0.08	1.7	0.05	6.9	<0.1	<0.05	8	7.7
2200E7700N	Soil	0.057	4	43	0.83	48	0.106	<1	2.79	0.013	0.04	1.1	0.05	5.2	<0.1	<0.05	8	0.8
2200E7725N	Soil	0.153	3	46	0.81	74	0.025	<1	2.43	0.007	0.09	1.8	0.07	7.0	<0.1	<0.05	9	12.4
2200E7750N	Soil	0.112	5	92	1.51	50	0.106	<1	3.04	0.013	0.07	13.6	0.08	9.3	<0.1	<0.05	9	21.1
2200E7775N	Soil	0.083	3	60	0.77	68	0.036	<1	2.35	0.010	0.07	1.3	0.03	5.1	<0.1	<0.05	10	3.7
2200E7825N	Soil	0.075	4	71	0.80	66	0.072	<1	2.02	0.013	0.04	0.6	0.04	3.7	<0.1	<0.05	9	1.0
2200E7850N	Soil	0.089	4	59	0.64	69	0.083	<1	1.92	0.011	0.05	0.8	0.06	3.0	<0.1	<0.05	10	1.0
2200E7875N	Soil	0.105	4	72	0.55	125	0.055	<1	1.74	0.012	0.06	0.7	0.05	2.6	0.1	<0.05	9	0.7
2200E7900N	Soil	0.117	4	96	0.64	107	0.037	<1	1.76	0.011	0.05	0.3	0.06	2.1	<0.1	0.06	9	1.0
2200E7925N	Soil	0.078	5	77	0.83	68	0.059	<1	2.19	0.012	0.04	0.5	0.06	3.1	<0.1	<0.05	8	1.0
2200E7950N	Soil	0.069	4	62	0.70	79	0.100	1	2.06	0.012	0.04	0.4	0.05	3.2	<0.1	<0.05	9	0.5
2200E7975N	Soil	0.079	5	74	0.98	71	0.129	<1	2.33	0.014	0.05	0.5	0.06	4.3	<0.1	<0.05	9	0.7
2200E8000N	Soil	0.084	4	66	0.63	86	0.084	<1	1.91	0.012	0.04	0.4	0.05	2.8	0.1	<0.05	9	0.6
2200E8025N	Soil	0.070	5	105	1.07	95	0.095	<1	2.27	0.010	0.04	0.8	0.03	3.6	<0.1	<0.05	10	<0.5
2200E8050N	Soil	0.101	4	88	1.02	56	0.079	<1	2.46	0.010	0.04	0.4	0.07	2.8	<0.1	<0.05	8	0.7

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Project: Bigtime
 Report Date: August 05, 2009

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CERTIFICATE OF ANALYSIS

SMI09000049.1

Method Analyte	Unit	WGHT	1DX15																			
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
2200E8075N	Soil		1.9	92.0	6.6	62	0.1	42.7	15.4	601	4.27	12.2	0.4	3.2	0.2	21	0.2	0.6	0.5	111	0.42	
2200E8100N	Soil		2.7	43.9	6.8	55	0.1	26.0	10.6	565	3.26	10.0	0.3	4.1	<0.1	21	0.2	0.5	0.7	101	0.31	
2200E8125N	Soil		3.1	114.2	7.5	126	0.3	44.6	17.8	856	4.58	13.0	0.5	7.4	0.2	33	0.4	0.8	0.6	114	1.07	
2200E8150N	Soil		1.9	70.0	13.3	66	0.1	29.1	20.0	865	3.67	14.5	0.5	3.8	0.5	19	0.4	0.7	0.2	82	0.30	
2200E8175N	Soil		2.3	65.2	7.7	55	0.2	35.6	12.0	398	4.13	24.5	0.5	36.3	0.3	14	0.2	0.7	0.3	126	0.13	
2200E8225N	Soil		2.9	96.0	6.0	98	0.6	24.9	8.0	267	2.56	7.0	0.6	6.6	<0.1	17	1.0	0.5	0.2	73	0.25	
2300E8000N	Soil		9.2	332.5	8.2	41	0.5	18.4	43.1	1012	16.06	89.7	0.5	21.0	1.0	6	<0.1	3.3	1.6	258	0.12	
2300E8025N	Soil		13.9	128.6	15.6	69	1.7	44.8	100.2	4032	11.13	111.8	0.4	444.1	0.9	9	0.4	3.6	1.3	233	0.23	
2300E8150N	Soil		1.9	100.5	20.5	73	0.3	41.7	13.6	582	3.79	9.2	0.4	9.0	<0.1	23	0.4	0.5	0.5	127	0.35	
2300E8175N	Soil		3.3	65.0	7.0	82	0.2	25.8	10.3	435	4.36	10.2	0.4	2.8	0.2	14	0.9	0.6	0.2	106	0.16	
2300E8200N	Soil		1.9	39.4	6.2	52	0.1	13.3	5.7	250	2.80	5.5	0.3	1.7	<0.1	20	0.4	0.5	0.1	81	0.45	
2300E8225N	Soil		12.4	1009	22.3	585	1.1	20.2	14.3	1409	2.63	7.8	1.3	15.8	0.1	42	9.8	1.0	0.1	111	1.60	
2300E8250N	Soil		3.3	73.3	5.1	96	<0.1	25.5	9.7	448	2.90	4.7	0.3	1.8	0.3	20	0.8	0.5	0.2	82	0.49	
2400E7850N	Soil		6.9	127.8	7.9	62	0.3	98.2	17.8	606	6.88	9.6	0.4	13.2	0.3	10	0.1	0.7	2.4	188	0.16	
2400E7875N	Soil		14.4	339.2	12.0	53	0.4	82.3	48.4	2257	7.96	29.3	0.4	58.4	0.7	10	0.3	1.5	5.8	184	0.25	
2400E7900N	Soil		6.6	218.6	7.9	40	0.4	14.4	59.6	2382	14.16	46.1	0.4	9.8	0.4	5	0.2	2.2	2.7	330	0.11	
2400E7925N	Soil		12.6	213.4	9.7	52	0.5	39.6	55.6	1816	9.50	64.6	0.5	68.4	0.6	7	0.2	1.8	8.9	179	0.12	
2400E7950N	Soil		7.4	217.9	8.6	58	0.4	35.3	55.3	1373	10.67	48.8	0.4	44.5	0.9	7	0.1	2.9	4.4	272	0.15	
2400E7975N	Soil		6.1	54.7	10.3	37	0.3	24.0	16.1	435	4.47	22.9	0.3	82.6	<0.1	13	0.1	1.1	4.0	149	0.24	
2400E8000N	Soil		5.1	71.6	9.2	39	0.5	26.7	15.5	452	4.67	26.4	0.3	20.9	0.1	11	0.1	1.2	2.8	144	0.13	
2400E8025N	Soil		10.9	189.9	17.5	69	1.0	77.7	109.0	3066	11.31	200.5	0.4	82.7	0.7	10	0.2	5.1	4.2	174	0.20	
2400E8050N	Soil		12.8	230.4	12.1	75	0.8	71.9	53.1	3235	8.10	62.3	0.3	123.7	0.3	14	0.3	2.0	1.9	192	0.48	
2400E8075N	Soil		4.4	369.1	36.1	92	1.1	130.5	76.0	2518	11.60	59.9	0.5	179.2	0.5	20	0.3	3.8	2.5	247	0.49	
2400E8100N	Soil		2.8	186.5	26.9	104	0.5	83.0	43.3	1816	7.73	51.9	0.3	42.8	<0.1	15	0.3	1.9	1.8	190	0.65	
2400E8125N	Soil		4.8	131.4	12.8	72	0.4	64.1	39.8	1592	7.35	26.6	0.4	30.8	0.1	17	0.2	1.5	0.9	193	0.64	
2400E8150N	Soil		10.1	127.3	13.3	99	0.4	48.8	22.8	1069	4.76	20.7	0.4	13.0	0.1	39	1.1	1.5	0.8	153	1.27	
2400E8175N	Soil		7.0	119.2	8.1	91	0.2	23.1	14.2	902	3.82	9.4	0.4	5.9	0.1	38	0.7	0.8	0.3	115	1.09	
2400E8200N	Soil		3.8	375.8	7.4	295	0.3	36.7	15.5	875	3.84	9.8	1.0	13.7	0.3	31	2.2	1.0	0.2	94	0.92	
2400E8225N	Soil		2.3	33.1	7.5	40	0.2	13.7	5.4	196	3.42	7.4	0.3	2.7	<0.1	12	0.2	0.7	0.3	122	0.10	
2400E8250N	Soil		6.0	82.5	11.6	100	0.1	18.6	21.9	1682	3.82	7.9	0.4	6.5	<0.1	25	2.3	0.8	0.4	134	0.51	

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 Report Date: August 05, 2009

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CERTIFICATE OF ANALYSIS

SMI09000049.1

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	0.1	0.05	1	0.5	
2200E8075N	Soil	0.086	4	72	1.10	74	0.080	1	2.50	0.010	0.05	0.4	0.03	3.6	<0.1	<0.05	8	0.7
2200E8100N	Soil	0.108	5	68	0.61	102	0.036	<1	1.89	0.008	0.04	0.2	0.02	1.8	<0.1	<0.05	9	<0.5
2200E8125N	Soil	0.118	6	90	1.23	100	0.060	1	2.54	0.013	0.05	0.2	0.04	4.0	<0.1	0.06	8	1.3
2200E8150N	Soil	0.098	6	44	0.64	67	0.073	3	2.40	0.012	0.05	0.1	0.04	4.7	<0.1	<0.05	5	<0.5
2200E8175N	Soil	0.071	5	80	0.88	68	0.071	1	2.73	0.009	0.03	0.3	0.05	3.9	<0.1	<0.05	9	0.7
2200E8225N	Soil	0.126	8	49	0.45	111	0.020	<1	2.52	0.009	0.04	0.2	0.09	1.9	<0.1	<0.05	7	0.6
2300E8000N	Soil	0.175	12	29	0.70	31	0.202	<1	1.98	0.006	0.03	2.4	0.11	6.6	<0.1	0.10	11	5.4
2300E8025N	Soil	0.121	25	28	1.58	64	0.072	2	2.68	0.007	0.05	1.7	0.17	23.6	0.3	0.09	10	2.0
2300E8150N	Soil	0.104	4	99	1.14	86	0.061	<1	2.19	0.011	0.04	0.3	0.03	2.9	<0.1	0.06	9	0.5
2300E8175N	Soil	0.057	4	43	0.66	72	0.030	2	2.54	0.009	0.03	0.2	0.03	2.6	<0.1	<0.05	8	<0.5
2300E8200N	Soil	0.069	4	26	0.36	139	0.008	1	1.75	0.009	0.03	<0.1	0.03	0.8	<0.1	<0.05	7	<0.5
2300E8225N	Soil	0.226	21	71	0.34	90	0.014	2	4.00	0.007	0.03	0.2	0.22	4.7	0.2	0.10	5	2.1
2300E8250N	Soil	0.053	4	46	0.78	106	0.046	2	1.69	0.010	0.03	0.2	0.02	3.9	<0.1	<0.05	6	<0.5
2400E7850N	Soil	0.059	3	228	2.49	88	0.110	1	3.35	0.013	0.13	0.5	0.05	7.6	0.2	<0.05	10	1.8
2400E7875N	Soil	0.125	6	140	1.85	75	0.074	2	3.09	0.014	0.08	2.3	0.09	9.6	0.1	<0.05	8	4.1
2400E7900N	Soil	0.168	11	38	1.05	78	0.047	1	2.59	0.008	0.03	4.1	0.12	8.7	<0.1	<0.05	13	3.3
2400E7925N	Soil	0.157	10	86	1.19	59	0.057	1	2.65	0.011	0.07	1.6	0.07	8.6	0.1	<0.05	10	5.3
2400E7950N	Soil	0.159	8	74	1.43	37	0.217	1	2.56	0.011	0.04	5.1	0.05	8.7	<0.1	<0.05	10	6.2
2400E7975N	Soil	0.073	5	67	0.55	106	0.059	1	1.62	0.011	0.05	0.6	0.05	2.0	0.1	0.06	10	0.8
2400E8000N	Soil	0.094	5	74	0.69	56	0.055	<1	2.06	0.012	0.04	0.7	0.05	2.7	0.2	0.06	10	1.0
2400E8025N	Soil	0.149	8	96	1.77	73	0.090	2	2.96	0.012	0.08	2.0	0.11	11.3	0.2	0.12	9	6.6
2400E8050N	Soil	0.153	16	136	1.86	310	0.038	4	3.13	0.006	0.11	1.0	0.09	16.0	0.2	0.06	10	0.9
2400E8075N	Soil	0.163	15	250	2.69	365	0.069	3	3.10	0.008	0.07	2.2	0.05	19.9	<0.1	0.06	9	2.4
2400E8100N	Soil	0.179	6	229	2.35	136	0.031	2	2.89	0.009	0.07	1.8	0.04	7.1	<0.1	0.13	8	1.2
2400E8125N	Soil	0.135	5	177	1.65	213	0.051	2	2.78	0.009	0.05	0.8	0.05	6.5	<0.1	0.11	9	2.0
2400E8150N	Soil	0.149	6	112	1.24	109	0.039	4	2.26	0.010	0.07	0.6	0.05	4.7	<0.1	0.14	7	1.1
2400E8175N	Soil	0.110	5	54	0.65	84	0.047	2	2.07	0.009	0.04	0.2	0.03	2.9	<0.1	0.06	7	0.5
2400E8200N	Soil	0.110	10	73	0.97	64	0.047	3	2.34	0.012	0.05	0.1	0.08	7.1	<0.1	0.07	6	0.6
2400E8225N	Soil	0.058	4	44	0.35	49	0.062	<1	1.58	0.006	0.03	0.1	0.04	1.8	<0.1	<0.05	9	<0.5
2400E8250N	Soil	0.088	7	47	0.48	105	0.049	1	1.74	0.008	0.05	0.2	0.03	2.2	<0.1	<0.05	9	<0.5

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: Bigtime
 Report Date: August 05, 2009

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CERTIFICATE OF ANALYSIS

SMI09000049.1

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	
2600E7850N	Soil		7.5	227.7	9.2	242	0.2	42.8	15.7	562	4.59	72.8	0.3	2.7	<0.1	14	0.6	1.1	2.3	147	0.41
2600E7875N	Soil		4.6	150.6	106.6	388	0.8	32.4	34.8	2677	7.37	807.2	0.5	376.6	0.2	14	2.2	3.3	2.2	213	0.23
2600E7900N	Soil		5.7	191.0	8.1	124	0.1	50.5	22.5	757	5.56	20.8	0.4	23.6	0.2	14	0.4	1.0	2.5	164	0.28
2600E8000N	Soil		6.3	606.1	77.5	331	1.8	74.4	50.2	1700	9.18	111.8	0.6	86.9	0.5	13	1.6	6.1	1.1	218	0.63
2600E8025N	Soil		8.4	599.2	92.0	317	1.8	64.0	55.8	1934	9.17	128.4	0.6	61.4	0.4	12	1.4	7.2	1.2	215	0.37
2600E8050N	Soil		11.4	982.3	73.8	237	4.5	135.4	78.1	1589	12.82	216.2	0.6	270.0	0.6	14	0.5	5.9	4.5	241	0.38
2600E8075N	Soil		5.7	277.1	83.9	170	0.8	45.5	75.0	2315	8.09	113.5	0.4	68.6	<0.1	20	1.0	5.3	1.9	166	0.60
2600E8100N	Soil		5.3	460.0	38.3	185	1.7	67.0	47.2	1559	7.73	106.2	0.5	180.7	0.5	14	1.1	4.5	4.1	140	0.80
2600E8125N	Soil		4.9	280.1	16.9	100	1.0	68.0	41.5	1414	6.53	57.9	0.4	66.2	0.7	11	0.6	2.4	2.5	132	0.47
2600E8150N	Soil		9.9	410.5	32.6	124	1.7	110.3	67.7	1573	9.68	127.8	0.6	93.9	0.5	14	0.7	3.8	7.1	161	0.56
2600E8175N	Soil		14.9	591.3	42.4	96	3.4	193.8	130.2	2432	14.69	245.2	1.1	182.4	0.4	19	0.5	5.3	16.1	181	0.64
2600E8200N	Soil		23.8	56.8	21.1	73	0.7	38.8	24.0	1338	7.04	38.5	0.4	20.4	0.2	9	0.5	2.1	5.8	214	0.13
2600E8225N	Soil		1.6	19.5	15.7	23	1.0	8.6	3.6	199	1.66	7.3	0.3	7.7	<0.1	14	0.1	0.8	0.7	86	0.11
2600E8250N	Soil		2.5	42.5	8.0	57	0.4	28.1	12.3	382	5.25	17.4	0.3	5.3	0.5	13	0.2	0.9	0.5	142	0.14



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CERTIFICATE OF ANALYSIS

SMI09000049.1

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	0.1	0.05	1	0.5	
2600E7850N	Soil	0.116	4	95	1.37	100	0.031	2	3.03	0.013	0.07	1.1	0.03	3.6	0.2	0.07	10	1.3
2600E7875N	Soil	0.179	5	82	1.36	90	0.090	3	2.90	0.010	0.05	0.4	0.23	6.0	0.1	0.07	11	2.0
2600E7900N	Soil	0.131	6	111	1.59	93	0.043	3	3.16	0.011	0.09	0.7	0.03	6.0	0.1	<0.05	10	1.7
2600E8000N	Soil	0.137	10	168	2.97	166	0.114	3	3.82	0.032	0.07	1.2	0.08	14.7	0.2	0.07	11	2.5
2600E8025N	Soil	0.131	8	140	2.45	301	0.102	3	3.82	0.023	0.07	1.0	0.10	10.1	0.3	0.07	11	3.5
2600E8050N	Soil	0.094	5	294	3.06	166	0.125	1	3.90	0.005	0.03	4.1	0.15	10.4	0.2	0.06	10	7.8
2600E8075N	Soil	0.160	6	113	1.62	531	0.038	3	2.69	0.012	0.06	1.1	0.12	4.2	0.3	0.12	8	1.7
2600E8100N	Soil	0.114	16	113	1.96	134	0.061	5	2.72	0.013	0.12	1.1	0.16	12.2	0.2	0.14	8	3.8
2600E8125N	Soil	0.104	12	130	2.00	176	0.068	4	2.46	0.013	0.15	0.8	0.09	9.8	0.1	0.23	8	2.8
2600E8150N	Soil	0.110	10	223	2.33	157	0.080	3	2.65	0.013	0.12	4.9	0.11	11.9	0.1	0.17	8	5.7
2600E8175N	Soil	0.114	9	343	2.69	124	0.083	3	2.73	0.006	0.09	10.9	0.21	15.3	0.3	0.21	8	8.0
2600E8200N	Soil	0.112	3	153	0.85	84	0.074	1	2.17	0.008	0.05	0.9	0.13	4.2	0.2	0.06	10	1.4
2600E8225N	Soil	0.041	4	42	0.21	61	0.071	<1	1.00	0.009	0.03	0.3	0.03	1.6	<0.1	<0.05	7	<0.5
2600E8250N	Soil	0.104	3	81	0.77	41	0.120	<1	1.88	0.011	0.03	0.6	0.04	3.5	<0.1	<0.05	8	<0.5



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Report Date: August 05, 2009

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QUALITY CONTROL REPORT

SMI09000049.1

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
Pulp Duplicates																				
1900E7925N	Soil	2.2	27.6	7.7	37	0.4	14.7	7.3	387	3.31	6.3	0.3	2.1	0.1	14	0.2	0.6	0.4	121	0.12
REP 1900E7925N	QC	1.9	28.5	7.3	38	0.4	14.2	7.1	381	3.23	6.5	0.3	2.0	0.2	14	0.1	0.6	0.4	116	0.12
1900E8225N	Soil	2.4	129.5	8.7	210	0.3	43.3	18.4	618	4.27	9.4	0.5	1.4	0.9	25	0.7	0.7	0.2	117	0.59
REP 1900E8225N	QC	2.3	121.7	9.1	208	0.4	44.5	18.8	664	4.50	9.4	0.5	2.0	1.0	24	0.7	0.7	0.3	123	0.63
2100E7150N	Soil	0.5	105.3	16.7	122	0.1	33.4	22.2	1291	4.74	11.3	0.6	4.1	1.1	57	0.8	0.8	0.1	130	0.79
REP 2100E7150N	QC	0.6	101.2	16.9	123	0.1	34.3	22.0	1273	4.61	11.5	0.6	3.6	1.1	59	0.8	0.8	0.1	135	0.81
2100E7225N	Soil	1.1	90.2	9.1	86	0.3	25.6	14.6	615	3.62	15.2	1.1	2.4	0.3	51	0.3	0.8	0.1	121	0.70
REP 2100E7225N	QC	1.0	96.8	9.1	91	0.3	26.5	15.1	619	3.67	15.8	1.1	2.1	0.3	51	0.3	0.8	0.1	124	0.70
2100E8150N	Soil	2.0	66.1	6.7	78	0.3	20.3	8.8	415	3.08	6.9	0.5	8.0	0.1	22	0.5	0.5	0.2	91	0.43
REP 2100E8150N	QC	2.0	68.3	6.5	82	0.3	19.1	9.1	427	3.11	7.2	0.5	2.3	0.1	22	0.6	0.5	0.2	97	0.44
2200E6850N	Soil	0.8	34.5	8.7	43	0.2	14.1	6.9	358	3.09	5.4	0.4	11.1	<0.1	40	0.1	0.6	0.2	95	0.47
REP 2200E6850N	QC	0.8	33.0	8.1	41	0.1	14.0	6.4	315	2.98	5.9	0.5	4.1	<0.1	39	<0.1	0.6	0.2	96	0.47
2200E7700N	Soil	19.4	166.0	7.4	51	0.2	19.7	11.3	334	5.02	10.8	0.5	54.5	0.9	17	0.2	0.5	0.4	131	0.14
REP 2200E7700N	QC	20.2	173.1	7.5	50	0.2	19.7	11.7	334	5.23	10.9	0.5	4.8	0.9	18	<0.1	0.6	0.4	135	0.16
2200E7975N	Soil	3.8	70.7	8.0	61	0.3	32.3	19.6	864	5.72	24.0	0.4	6.4	0.3	19	0.2	0.8	1.9	148	0.18
REP 2200E7975N	QC	3.8	71.1	8.3	62	0.3	32.1	19.7	841	5.44	24.2	0.4	7.5	0.3	19	0.2	0.8	1.8	151	0.19
2400E8075N	Soil	4.4	369.1	36.1	92	1.1	130.5	76.0	2518	11.60	59.9	0.5	179.2	0.5	20	0.3	3.8	2.5	247	0.49
REP 2400E8075N	QC	4.2	366.0	35.7	93	1.1	133.0	77.9	2455	11.51	58.8	0.4	227.2	0.5	20	0.3	3.7	2.5	241	0.50
2600E8050N	Soil	11.4	982.3	73.8	237	4.5	135.4	78.1	1589	12.82	216.2	0.6	270.0	0.6	14	0.5	5.9	4.5	241	0.38
REP 2600E8050N	QC	11.2	929.6	73.2	233	4.5	132.8	74.8	1562	12.79	214.0	0.6	265.4	0.6	14	0.6	5.8	4.5	240	0.38
Reference Materials																				
STD DS7	Standard	22.3	117.2	75.5	400	0.9	60.8	10.3	686	2.49	54.4	5.3	63.1	4.9	83	6.3	5.8	4.7	95	1.05
STD DS7	Standard	20.8	111.8	70.8	398	0.8	58.9	9.9	635	2.44	54.7	5.0	62.1	4.3	72	6.4	6.1	4.6	86	0.97
STD DS7	Standard	23.5	121.1	72.6	412	0.8	66.0	10.6	668	2.53	53.6	5.1	65.9	4.8	78	6.2	6.1	4.4	94	1.01
STD DS7	Standard	18.1	112.1	65.8	395	0.9	55.5	9.0	642	2.42	52.9	4.7	60.1	4.1	74	6.4	5.2	4.6	79	0.93
STD DS7	Standard	19.8	105.8	64.7	389	0.9	55.3	9.1	603	2.34	49.2	4.7	142.7	4.3	75	6.1	5.8	4.3	81	0.92
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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



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QUALITY CONTROL REPORT

SMI09000049.1

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																		
1900E7925N	Soil	0.051	5	40	0.34	53	0.084	2	1.56	0.011	0.05	0.2	0.04	2.6	0.1	<0.05	9	<0.5
REP 1900E7925N	QC	0.055	6	40	0.35	52	0.077	2	1.64	0.010	0.04	0.2	0.04	2.3	<0.1	<0.05	10	0.7
1900E8225N	Soil	0.049	8	68	0.80	139	0.065	3	2.83	0.008	0.06	0.2	0.05	6.0	<0.1	<0.05	9	0.6
REP 1900E8225N	QC	0.049	8	69	0.81	145	0.062	2	2.84	0.007	0.06	0.1	0.05	6.2	0.1	<0.05	10	<0.5
2100E7150N	Soil	0.112	7	72	1.51	75	0.127	2	2.81	0.008	0.08	0.1	0.02	6.4	<0.1	<0.05	9	<0.5
REP 2100E7150N	QC	0.115	7	74	1.56	78	0.135	2	2.80	0.008	0.08	0.2	0.02	6.4	<0.1	<0.05	9	<0.5
2100E7225N	Soil	0.121	11	62	1.06	111	0.052	1	3.27	0.012	0.05	0.2	0.03	4.7	<0.1	0.05	10	0.8
REP 2100E7225N	QC	0.116	11	65	1.02	112	0.057	<1	3.30	0.012	0.05	0.2	0.04	4.7	<0.1	<0.05	10	1.0
2100E8150N	Soil	0.097	7	32	0.55	97	0.030	1	2.21	0.011	0.05	0.1	0.03	2.5	<0.1	0.07	7	0.9
REP 2100E8150N	QC	0.094	6	34	0.53	101	0.030	<1	2.14	0.011	0.05	0.2	0.04	2.6	<0.1	0.06	7	0.7
2200E6850N	Soil	0.068	6	32	0.31	88	0.057	<1	1.89	0.010	0.04	0.2	0.03	1.6	<0.1	<0.05	9	0.9
REP 2200E6850N	QC	0.061	6	34	0.28	87	0.056	1	1.80	0.011	0.03	0.1	0.03	1.5	0.1	<0.05	10	1.1
2200E7700N	Soil	0.057	4	43	0.83	48	0.106	<1	2.79	0.013	0.04	1.1	0.05	5.2	<0.1	<0.05	8	0.8
REP 2200E7700N	QC	0.052	4	43	0.83	49	0.113	2	2.77	0.013	0.05	1.0	0.05	5.4	<0.1	<0.05	8	0.8
2200E7975N	Soil	0.079	5	74	0.98	71	0.129	<1	2.33	0.014	0.05	0.5	0.06	4.3	<0.1	<0.05	9	0.7
REP 2200E7975N	QC	0.076	5	76	0.98	72	0.126	2	2.18	0.012	0.05	0.5	0.05	4.4	<0.1	<0.05	9	<0.5
2400E8075N	Soil	0.163	15	250	2.69	365	0.069	3	3.10	0.008	0.07	2.2	0.05	19.9	<0.1	0.06	9	2.4
REP 2400E8075N	QC	0.155	15	252	2.74	357	0.073	3	3.05	0.008	0.07	2.1	0.05	20.4	<0.1	0.06	9	1.3
2600E8050N	Soil	0.094	5	294	3.06	166	0.125	1	3.90	0.005	0.03	4.1	0.15	10.4	0.2	0.06	10	7.8
REP 2600E8050N	QC	0.098	5	286	3.07	173	0.121	2	3.97	0.005	0.03	3.6	0.14	10.2	0.2	0.05	9	6.4
Reference Materials																		
STD DS7	Standard	0.078	15	227	1.08	427	0.142	39	1.14	0.106	0.46	4.1	0.18	2.7	4.6	0.22	5	3.9
STD DS7	Standard	0.077	13	213	1.03	418	0.118	39	1.06	0.094	0.45	3.8	0.20	2.4	4.2	0.22	5	3.5
STD DS7	Standard	0.072	15	242	1.02	429	0.140	37	1.04	0.094	0.46	4.1	0.20	2.7	4.3	0.20	5	3.7
STD DS7	Standard	0.079	13	202	1.05	405	0.122	39	1.05	0.102	0.46	3.4	0.19	2.9	4.0	0.15	5	3.5
STD DS7	Standard	0.075	13	200	1.02	403	0.122	38	1.02	0.096	0.44	3.7	0.19	2.3	4.2	0.18	5	3.2
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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

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Project: Bigtime

Report Date: August 05, 2009

Page: 2 of 2 **Part** 1

QUALITY CONTROL REPORT

SMI09000049.1

	WGHT	1DX15	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	
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	0.5	<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	



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Project: Bigtime

Report Date: August 05, 2009

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

SMI09000049.1

		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
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



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Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: July 29, 2009
Report Date: August 10, 2009
Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI09000051.2

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-10_072809
P.O. Number
Number of Samples: 47

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	Lab
R150	47	Crush, split and pulverize rock to 150 mesh			VAN
1DX30	47	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
DIS-RJT	47	Warehouse handling / Disposition of reject			SMI

ADDITIONAL COMMENTS

Version 2 : Sample weight included.



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Project: Bigtime
 Report Date: August 10, 2009

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI09000051.2

Method Analyte	Unit	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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	0.1	2	0.01
B880576	Rock	0.36	0.5	123.3	3.0	119	<0.1	16.1	23.7	1121	4.79	11.4	0.4	1.0	0.8	40	0.2	0.6	<0.1	160	2.31
B880577	Rock	1.69	3.1	70.4	3.4	42	0.4	7.3	42.0	484	6.57	45.0	0.4	19.3	0.9	13	<0.1	1.5	2.7	286	1.22
B880578	Rock	0.81	3.8	57.8	3.3	7	0.8	6.2	9.7	324	2.18	7.7	0.2	9.6	1.4	9	<0.1	0.4	3.1	11	0.84
B880579	Rock	0.65	33.9	64.1	5.0	27	0.3	47.0	14.3	1689	3.43	10.9	0.3	27.2	0.2	77	0.1	1.5	0.5	87	12.55
B880580	Rock	0.89	2.3	118.6	2.5	92	0.2	41.0	23.8	1076	5.02	38.1	0.1	6.5	0.3	21	0.2	0.4	0.1	180	3.97
B880581	Rock	0.57	4.1	944.3	8.2	48	5.1	7.1	15.3	449	10.88	170.3	<0.1	164.6	0.3	3	0.1	0.9	4.3	122	0.11
B880582	Rock	0.93	0.3	92.2	1.7	59	0.1	13.3	28.0	1051	5.64	18.8	0.1	11.3	0.5	51	<0.1	0.4	0.1	139	4.04
B880583	Rock	0.46	2.5	109.5	2.1	38	0.2	22.9	23.0	1207	4.40	17.2	0.1	7.5	0.3	77	0.1	0.2	0.2	121	13.85
B880584	Rock	1.05	0.4	162.3	1.2	47	0.2	20.7	22.6	769	5.13	11.5	0.1	7.5	0.3	24	<0.1	0.3	0.3	163	3.84
B880585	Rock	0.32	0.9	3257	7.4	40	3.8	22.0	55.0	689	7.08	28.2	<0.1	32.4	0.2	15	<0.1	0.5	3.9	120	4.16
B880586	Rock	0.37	0.3	38.5	1.4	52	<0.1	24.8	23.8	1009	5.08	5.9	<0.1	3.0	0.3	40	<0.1	0.2	<0.1	173	7.35
B880587	Rock	1.75	0.4	362.5	1.6	69	0.9	18.1	25.2	1084	5.46	9.3	0.1	15.2	0.5	28	<0.1	0.2	14.5	155	4.74
B880588	Rock	0.62	0.2	148.8	0.7	76	<0.1	37.6	33.8	1112	5.38	5.1	0.2	1.4	0.3	26	<0.1	0.2	0.1	173	3.76
B880589	Rock	0.65	1.1	155.1	1.6	47	0.2	20.5	22.1	923	4.58	43.7	0.1	1.8	0.4	46	0.1	0.5	0.2	110	8.39
B880590	Rock	0.75	0.3	83.5	0.5	54	<0.1	15.1	23.2	929	4.83	3.5	0.1	1.6	0.4	30	<0.1	0.2	<0.1	117	4.96
B880591	Rock	0.47	0.2	70.2	1.7	68	<0.1	28.2	24.4	1122	4.82	3.9	0.1	1.8	0.4	69	<0.1	0.4	<0.1	153	6.43
B880592	Rock	0.66	0.2	61.1	0.6	81	<0.1	17.1	21.8	1012	4.49	2.5	0.1	1.2	0.4	32	<0.1	0.2	<0.1	112	4.07
B880593	Rock	0.49	1.5	64.7	2.1	44	<0.1	6.5	19.0	694	4.22	3.4	1.0	<0.5	2.8	64	<0.1	<0.1	<0.1	130	1.38
B880594	Rock	1.05	0.2	5271	2.9	244	8.2	7.5	21.4	1526	4.00	7.5	0.2	3.1	0.4	61	0.2	0.9	<0.1	112	1.23
B880595	Rock	0.88	0.2	6884	3.9	199	5.0	7.5	21.6	1274	3.08	8.3	0.1	3.1	0.3	73	0.3	0.7	<0.1	82	1.65
B880596	Rock	1.16	0.3	3829	3.5	149	2.9	7.6	19.6	1515	4.00	6.7	0.2	4.1	0.4	62	0.2	0.6	<0.1	109	1.41
B880597	Rock	2.08	0.4	816.9	31.3	146	0.9	7.7	19.1	1491	3.86	6.8	0.3	<0.5	0.4	62	0.7	0.6	<0.1	116	1.57
B880598	Rock	0.98	0.3	78.8	8.0	103	<0.1	14.8	18.3	960	4.28	26.4	0.5	4.0	0.9	30	0.3	1.1	<0.1	97	2.40
B880599	Rock	0.55	0.2	144.7	1.7	110	0.1	24.6	31.1	1317	5.86	3.3	0.2	<0.5	0.4	20	0.1	0.3	<0.1	171	1.80
B880681	Rock	1.73	0.4	139.5	4.1	83	<0.1	57.4	38.8	1306	7.17	3.9	<0.1	1.8	0.3	39	<0.1	0.2	<0.1	211	6.04
B880682	Rock	2.13	0.3	84.4	1.9	15	0.1	3.2	6.1	537	2.11	4.1	0.3	1.5	1.2	37	<0.1	0.2	<0.1	13	5.65
B880683	Rock	2.16	0.5	141.9	7.2	75	0.1	39.4	32.6	1239	6.78	4.0	<0.1	5.7	0.4	34	0.1	0.2	<0.1	191	6.43
B880697	Rock	0.71	0.6	43.1	1.6	42	<0.1	26.9	29.6	1285	4.77	3.0	<0.1	2.4	0.3	52	<0.1	0.2	<0.1	106	10.07
B880698	Rock	0.53	1.5	6.7	14.3	41	<0.1	0.8	3.1	701	3.29	2.2	0.7	<0.5	1.1	38	<0.1	2.3	<0.1	28	2.06
B880699	Rock	0.35	1.0	5.3	16.2	86	<0.1	0.3	3.1	1014	2.10	0.6	0.4	<0.5	1.4	165	0.6	0.2	<0.1	6	2.48

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Project: Bigtime
 Report Date: August 10, 2009

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

SMI09000051.2

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
B880576	Rock	0.128	7	35	2.19	34	0.217	3	2.40	0.042	0.04	0.3	<0.01	8.2	<0.1	0.10	9	<0.5
B880577	Rock	0.106	10	8	1.66	85	0.547	4	1.62	0.072	0.07	4.7	0.06	12.8	<0.1	1.81	10	6.8
B880578	Rock	0.066	6	8	0.09	75	0.004	3	0.38	0.052	0.15	0.1	<0.01	2.0	<0.1	0.70	2	3.9
B880579	Rock	0.060	5	111	1.38	107	0.016	3	1.58	0.007	0.17	0.4	0.04	7.4	<0.1	0.26	4	<0.5
B880580	Rock	0.066	3	66	1.98	32	0.003	5	2.26	0.035	0.10	<0.1	<0.01	10.2	<0.1	0.42	9	0.7
B880581	Rock	0.061	1	22	1.32	26	0.008	2	2.23	0.007	0.14	0.2	0.01	5.2	<0.1	1.45	9	3.3
B880582	Rock	0.077	5	15	1.20	42	0.002	6	0.73	0.029	0.13	<0.1	<0.01	10.4	<0.1	0.14	2	<0.5
B880583	Rock	0.077	6	49	1.15	47	0.004	4	1.67	0.011	0.15	0.1	<0.01	7.1	<0.1	0.14	5	<0.5
B880584	Rock	0.079	4	53	2.22	16	0.026	3	2.87	0.027	0.11	<0.1	<0.01	9.6	<0.1	0.37	9	<0.5
B880585	Rock	0.065	3	32	1.66	13	0.003	4	2.53	0.017	0.17	<0.1	0.04	7.7	<0.1	2.60	9	1.0
B880586	Rock	0.075	4	59	2.40	20	0.008	4	3.29	0.015	0.16	<0.1	<0.01	9.6	<0.1	<0.05	9	<0.5
B880587	Rock	0.100	5	49	2.51	20	0.021	3	3.30	0.026	0.14	0.1	<0.01	10.0	<0.1	0.16	10	<0.5
B880588	Rock	0.074	3	83	3.32	13	0.089	1	3.62	0.018	0.05	<0.1	<0.01	13.9	<0.1	0.06	9	<0.5
B880589	Rock	0.081	6	34	1.24	19	0.002	6	1.77	0.016	0.17	<0.1	<0.01	8.0	<0.1	0.10	5	<0.5
B880590	Rock	0.073	4	24	2.04	19	0.082	4	3.08	0.020	0.17	<0.1	<0.01	8.4	<0.1	0.06	8	<0.5
B880591	Rock	0.064	4	51	2.42	31	0.004	4	1.43	0.025	0.08	<0.1	<0.01	13.3	<0.1	0.08	5	<0.5
B880592	Rock	0.076	4	35	2.24	28	0.041	3	3.00	0.019	0.14	<0.1	<0.01	7.3	<0.1	<0.05	8	<0.5
B880593	Rock	0.184	12	7	1.09	41	0.107	4	1.76	0.070	0.11	0.1	<0.01	3.1	<0.1	<0.05	8	<0.5
B880594	Rock	0.126	4	12	2.68	1025	0.173	3	2.74	0.044	0.03	<0.1	0.24	4.2	<0.1	0.10	8	<0.5
B880595	Rock	0.127	4	15	2.10	658	0.099	2	2.46	0.028	0.01	<0.1	0.25	5.2	<0.1	0.11	8	<0.5
B880596	Rock	0.131	4	14	2.36	366	0.174	4	2.57	0.050	0.05	<0.1	0.22	4.5	<0.1	0.06	8	<0.5
B880597	Rock	0.118	4	14	2.07	162	0.219	5	2.57	0.064	0.02	<0.1	0.01	5.0	<0.1	<0.05	8	<0.5
B880598	Rock	0.136	7	26	1.12	258	0.062	6	1.16	0.037	0.16	0.1	0.02	5.6	<0.1	<0.05	5	<0.5
B880599	Rock	0.096	6	46	3.17	112	0.022	3	3.36	0.036	0.08	<0.1	<0.01	10.8	<0.1	<0.05	11	<0.5
B880681	Rock	0.079	7	76	2.43	98	0.007	2	4.24	0.024	0.13	<0.1	<0.01	14.2	<0.1	<0.05	13	<0.5
B880682	Rock	0.068	10	5	0.48	43	<0.001	2	1.19	0.019	0.22	<0.1	<0.01	1.2	<0.1	0.25	3	<0.5
B880683	Rock	0.074	7	26	1.90	39	0.006	2	3.76	0.013	0.15	<0.1	<0.01	12.5	<0.1	0.10	12	<0.5
B880697	Rock	0.087	5	28	0.83	147	0.003	5	1.35	0.014	0.19	<0.1	<0.01	10.4	<0.1	0.11	4	<0.5
B880698	Rock	0.138	21	4	0.09	332	0.046	1	0.53	0.035	0.25	0.2	0.10	2.0	<0.1	<0.05	3	<0.5
B880699	Rock	0.089	18	5	0.04	2728	0.005	1	0.51	0.013	0.30	<0.1	0.03	2.1	<0.1	0.07	2	<0.5

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Project: Bigtime
 Report Date: August 10, 2009

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI09000051.2

Method	Analyte	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
B880700	Rock	0.59	0.2	2.5	4.7	27	<0.1	0.4	2.3	586	1.30	<0.5	0.8	<0.5	2.0	106	0.2	<0.1	<0.1	10	1.43	
B880701	Rock	0.47	0.3	68.0	1.4	69	<0.1	22.4	30.0	1248	5.43	5.4	0.4	<0.5	0.6	44	<0.1	1.0	<0.1	194	4.54	
B880702	Rock	0.46	0.9	8.5	12.6	51	<0.1	0.9	2.8	532	2.47	0.9	0.6	<0.5	1.7	10	0.1	0.7	<0.1	12	0.32	
B880703	Rock	0.63	7.8	144.8	27.1	45	0.7	31.5	27.7	456	4.96	51.6	1.0	<0.5	0.8	5	0.5	3.8	0.2	269	0.27	
B880704	Rock	0.81	100.5	390.7	4.1	29	0.2	18.1	15.4	276	3.33	41.4	0.2	1.8	0.7	15	0.1	0.2	0.7	126	0.96	
B880705	Rock	0.67	28.8	328.5	4.3	51	0.1	22.5	16.7	401	3.43	9.6	0.2	1.4	0.6	14	<0.1	0.2	0.2	132	1.29	
B880706	Rock	0.60	124.8	3241	2.1	13	0.5	10.7	9.4	301	1.62	40.9	0.1	4.2	0.3	15	<0.1	0.3	0.2	38	1.60	
B880707	Rock	0.56	44.4	189.1	1.7	3	<0.1	3.9	6.0	200	0.88	1.1	0.3	1.6	1.6	5	<0.1	0.2	0.2	7	0.15	
B880708	Rock	0.43	2.9	40.3	2.3	33	0.4	3.7	9.7	287	4.39	5.0	0.6	6.2	2.0	66	<0.1	0.9	0.4	101	0.96	
B880709	Rock	0.39	0.8	108.7	3.2	54	<0.1	19.3	24.1	426	6.89	0.9	0.7	6.3	1.5	356	<0.1	<0.1	<0.1	335	2.67	
B880710	Rock	0.37	18.6	426.7	3.8	26	0.6	2.6	5.1	452	2.24	<0.5	1.6	9.8	5.3	156	<0.1	<0.1	1.6	50	1.33	
B880711	Rock	0.18	14.3	143.0	4.0	34	0.1	4.0	4.8	506	2.70	0.7	1.4	1.4	4.6	46	<0.1	<0.1	0.4	70	0.70	
B880712	Rock	0.34	0.9	75.0	3.0	60	<0.1	7.5	15.4	541	4.52	0.5	0.9	0.7	3.1	107	0.1	<0.1	<0.1	144	1.48	
B880713	Rock	0.52	0.7	274.6	8.1	136	0.3	52.9	36.6	2190	8.87	8.9	0.5	8.5	0.7	121	0.9	0.2	0.8	235	8.99	
B880714	Rock	0.30	0.6	65.0	2.9	52	<0.1	10.2	13.1	501	3.85	0.7	0.8	2.0	2.1	55	<0.1	<0.1	<0.1	149	1.18	
B880715	Rock	0.48	0.3	54.0	3.1	62	<0.1	4.5	10.2	591	3.22	0.6	0.9	1.5	2.6	14	<0.1	0.2	0.1	74	0.20	
B880716	Rock	0.72	0.3	220.7	2.5	68	0.1	15.0	30.3	420	6.52	1.3	0.3	1.2	0.6	668	0.3	<0.1	<0.1	320	4.92	



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Project: Bigtime
 Report Date: August 10, 2009

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

SMI09000051.2

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
B880700	Rock	0.060	22	6	0.10	210	0.002	<1	0.57	0.026	0.29	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5
B880701	Rock	0.104	5	33	2.73	78	0.266	4	3.27	0.045	0.10	0.1	<0.01	10.7	<0.1	<0.05	11	<0.5
B880702	Rock	0.095	22	5	0.07	99	0.037	1	0.48	0.032	0.26	<0.1	0.02	1.8	<0.1	<0.05	2	<0.5
B880703	Rock	0.126	3	123	1.02	18	0.173	<1	1.50	0.063	0.06	0.8	<0.01	11.4	0.3	0.63	10	4.1
B880704	Rock	0.109	7	22	0.70	93	0.022	4	0.95	0.049	0.10	0.5	<0.01	8.1	<0.1	0.15	5	1.5
B880705	Rock	0.113	8	38	1.52	44	0.057	4	1.47	0.047	0.06	1.3	<0.01	9.1	<0.1	0.13	8	2.0
B880706	Rock	0.057	5	17	0.51	53	0.003	3	0.25	0.026	0.09	0.4	0.02	4.0	<0.1	0.31	<1	5.4
B880707	Rock	0.068	3	5	0.04	34	0.001	3	0.46	0.023	0.20	0.1	<0.01	0.8	<0.1	<0.05	1	0.8
B880708	Rock	0.187	11	3	0.62	89	0.227	1	1.84	0.159	0.17	0.2	<0.01	5.0	0.2	0.56	7	2.5
B880709	Rock	0.214	8	23	1.33	100	0.186	3	4.35	0.465	0.20	0.3	<0.01	2.8	<0.1	<0.05	12	<0.5
B880710	Rock	0.074	11	8	0.65	28	0.080	2	2.40	0.020	0.11	0.2	<0.01	3.3	<0.1	<0.05	8	0.5
B880711	Rock	0.089	12	11	0.78	75	0.091	2	1.19	0.050	0.16	3.3	<0.01	3.0	<0.1	0.07	6	<0.5
B880712	Rock	0.191	12	11	1.02	132	0.265	3	1.99	0.142	0.40	0.3	<0.01	2.3	0.2	<0.05	8	<0.5
B880713	Rock	0.027	4	4	2.30	142	0.131	3	2.29	0.019	0.60	20.2	<0.01	28.2	0.1	1.12	7	1.0
B880714	Rock	0.179	13	8	0.99	92	0.223	3	1.70	0.099	0.35	0.8	<0.01	4.8	<0.1	<0.05	7	0.5
B880715	Rock	0.021	7	10	0.82	101	0.161	<1	1.21	0.069	0.31	0.2	<0.01	8.7	<0.1	<0.05	7	<0.5
B880716	Rock	0.363	13	6	1.28	170	0.157	2	6.53	0.490	0.18	0.2	<0.01	3.6	<0.1	<0.05	14	<0.5



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Project: Bigtime
 Report Date: August 10, 2009

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

SMI09000051.2

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
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																					
B880586	Rock	0.37	0.3	38.5	1.4	52	<0.1	24.8	23.8	1009	5.08	5.9	<0.1	3.0	0.3	40	<0.1	0.2	<0.1	173	7.35
REP B880586	QC		0.4	38.9	1.6	51	<0.1	23.2	23.8	1013	5.09	5.8	<0.1	1.7	0.3	40	<0.1	0.2	0.1	174	7.35
B880709	Rock	0.39	0.8	108.7	3.2	54	<0.1	19.3	24.1	426	6.89	0.9	0.7	6.3	1.5	356	<0.1	<0.1	<0.1	335	2.67
REP B880709	QC		0.7	106.5	4.4	55	<0.1	18.6	23.1	406	6.69	0.9	0.7	3.8	1.4	340	0.1	<0.1	<0.1	328	2.57
Reference Materials																					
STD DS7	Standard		21.1	108.5	68.2	401	0.8	55.4	9.8	626	2.42	51.1	5.1	73.4	4.4	79	6.5	5.6	4.5	80	1.01
STD DS7	Standard		20.8	110.3	68.6	393	0.8	57.5	9.8	631	2.43	52.0	4.9	74.7	4.3	79	6.1	5.4	4.5	80	1.01
STD DS7	Standard		20.5	105.5	77.2	390	0.8	52.4	9.0	627	2.38	49.6	5.1	56.1	4.7	81	6.3	6.5	5.0	81	0.97
STD DS7	Standard		20.2	106.8	75.2	382	0.9	54.9	9.0	627	2.39	51.1	5.3	64.2	4.9	78	6.2	6.2	5.1	81	0.99
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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
Prep Wash																					
G1	Prep Blank		2.8	37.6	3.8	48	<0.1	3.9	4.9	601	2.12	<0.5	1.9	2.4	3.9	77	<0.1	0.3	0.2	41	0.67
G1	Prep Blank		0.2	9.1	3.2	45	<0.1	4.0	4.5	584	2.03	<0.5	1.8	<0.5	4.2	70	<0.1	<0.1	0.1	40	0.61



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Project: Bigtime
 Report Date: August 10, 2009

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI09000051.2

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																		
B880586	Rock	0.075	4	59	2.40	20	0.008	4	3.29	0.015	0.16	<0.1	<0.01	9.6	<0.1	<0.05	9	<0.5
REP B880586	QC	0.076	4	59	2.45	20	0.008	3	3.31	0.014	0.15	<0.1	<0.01	9.7	<0.1	<0.05	9	<0.5
B880709	Rock	0.214	8	23	1.33	100	0.186	3	4.35	0.465	0.20	0.3	<0.01	2.8	<0.1	<0.05	12	<0.5
REP B880709	QC	0.202	8	23	1.33	96	0.179	3	4.25	0.443	0.20	0.3	<0.01	2.9	<0.1	<0.05	12	<0.5
Reference Materials																		
STD DS7	Standard	0.076	14	213	1.06	408	0.122	43	1.08	0.112	0.44	3.8	0.18	2.5	3.9	0.19	5	3.5
STD DS7	Standard	0.079	14	216	1.05	401	0.123	40	1.09	0.104	0.45	3.8	0.17	2.7	3.9	0.19	5	3.6
STD DS7	Standard	0.078	13	197	1.01	407	0.126	42	1.02	0.097	0.44	3.9	0.21	2.4	4.1	0.20	4	3.6
STD DS7	Standard	0.074	14	199	1.03	411	0.127	38	1.04	0.093	0.45	3.8	0.20	2.7	3.9	0.19	5	3.5
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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
Prep Wash																		
G1	Prep Blank	0.084	10	19	0.63	276	0.150	2	1.14	0.128	0.60	<0.1	<0.01	2.6	0.3	<0.05	6	<0.5
G1	Prep Blank	0.085	11	22	0.62	262	0.147	2	1.14	0.125	0.57	<0.1	<0.01	2.6	0.3	<0.05	6	<0.5



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Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: July 29, 2009
Report Date: August 07, 2009
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI09000052.1

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-09_072809
P.O. Number
Number of Samples: 70

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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**
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Vancouver BC V6C 2V6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	70	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	70	Dry at 60C			SMI
Soil Pulverize	70	Soil Pulverize			VAN
1DX15	70	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Bigtime
 Report Date: August 07, 2009

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CERTIFICATE OF ANALYSIS

SMI09000052.1

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	
2800E7975N	Soil		3.4	61.7	10.2	49	0.2	17.3	8.1	326	3.44	9.7	0.6	9.4	<0.1	13	0.2	0.9	1.2	123	0.14
2800E8000N	Soil		5.7	117.0	8.4	54	0.5	35.6	16.3	374	4.94	19.9	0.4	20.8	0.2	15	0.2	1.0	3.3	148	0.23
2800E8025N	Soil		3.9	136.1	10.9	98	0.1	28.3	26.8	1477	5.62	18.4	0.4	12.4	0.1	19	0.3	0.9	2.5	168	0.41
2800E8050N	Soil		6.9	110.5	38.2	100	0.3	22.9	17.6	481	6.52	53.7	0.4	12.8	0.2	14	0.4	2.2	4.5	200	0.30
2800E8100N	Soil		3.5	1818	75.1	1899	0.9	29.6	47.4	2263	5.88	108.8	0.6	53.6	0.1	38	18.2	2.5	1.5	149	2.14
2800E8125N	Soil		2.5	1983	54.0	1187	1.3	17.8	23.4	2037	2.67	42.9	0.5	36.9	0.1	47	26.8	2.1	0.8	68	3.61
2800E8150N	Soil		2.3	406.7	11.0	251	0.3	17.3	12.6	1097	2.70	13.9	0.3	11.9	<0.1	42	6.3	1.6	0.5	90	2.70
3000E7550N	Soil		5.1	51.6	11.0	51	0.1	12.4	10.3	639	3.84	12.1	0.3	19.0	<0.1	18	1.4	1.2	0.3	125	0.16
3000E7575N	Soil		2.6	83.4	12.7	93	0.2	37.4	28.9	1778	6.31	17.5	0.5	35.0	0.3	20	0.7	0.8	0.2	206	0.34
3000E7600N	Soil		5.6	100.5	15.3	119	0.2	42.7	26.1	1096	4.61	26.8	0.5	26.5	0.2	30	3.8	0.9	0.4	140	0.71
3000E7625N	Soil		5.7	167.9	11.7	83	<0.1	81.8	35.0	1835	5.06	20.1	0.6	2.6	0.4	28	3.2	1.5	0.2	135	0.90
3000E7650N	Soil		2.1	245.7	17.3	295	<0.1	62.4	50.4	2840	5.45	47.3	0.4	34.4	0.3	30	3.3	1.0	0.3	180	1.33
3000E7675N	Soil		3.6	244.3	12.6	95	0.3	56.2	36.0	1703	5.19	44.8	0.5	9.9	0.2	25	1.4	1.0	0.3	179	1.35
3000E7700N	Soil		5.8	168.6	14.3	86	0.1	44.7	28.1	1325	5.73	23.5	0.5	8.5	0.4	24	0.7	0.8	0.4	202	0.48
3000E7725N	Soil		4.7	85.5	11.8	82	<0.1	42.3	20.4	522	6.49	21.6	0.3	4.6	0.7	25	0.6	0.9	0.4	277	0.27
3000E7775N	Soil		8.8	60.5	18.3	53	0.4	21.1	12.9	350	5.11	16.2	0.3	8.6	0.5	15	0.7	1.3	1.2	221	0.19
3000E7800N	Soil		6.2	136.9	17.0	80	0.5	37.2	37.2	726	8.62	59.8	0.6	5.8	0.5	18	0.8	2.4	0.1	333	1.00
3000E7825N	Soil		6.6	210.9	21.3	246	0.2	41.2	33.8	1534	6.89	59.5	0.6	5.0	0.4	14	1.2	1.5	1.4	202	0.26
3000E7850N	Soil		4.6	142.1	10.7	112	0.3	34.1	25.3	1142	7.10	22.7	0.4	10.3	0.6	13	0.2	1.2	2.1	234	0.20
3000E7900N	Soil		2.3	318.0	9.6	114	0.2	18.7	38.3	3733	8.77	24.7	0.4	7.0	0.6	21	0.4	0.8	0.4	304	0.50
3000E7925N	Soil		2.0	153.4	9.6	99	<0.1	21.6	28.1	2644	7.32	13.5	0.4	6.0	0.7	19	0.1	0.9	1.1	260	0.27
3000E7950N	Soil		1.1	95.8	5.8	80	0.1	10.4	14.7	939	6.05	7.9	0.2	4.6	0.5	7	<0.1	0.6	0.4	228	0.08
3000E7975N	Soil		1.4	83.8	11.4	43	0.5	8.1	10.0	1153	3.45	4.6	0.4	5.7	0.3	16	0.2	0.5	0.9	149	0.15
3000E8000N	Soil		1.9	74.7	9.6	52	0.3	10.7	10.4	483	5.20	14.7	0.3	4.2	0.4	10	0.2	0.9	2.4	232	0.14
3000E8025N	Soil		2.0	30.6	9.8	47	0.2	15.1	7.3	271	3.50	7.1	0.3	2.7	0.7	12	0.2	0.7	0.8	136	0.12
3000E8050N	Soil		3.5	178.7	10.3	146	0.2	34.8	20.0	622	4.93	35.4	0.5	8.1	0.2	23	0.4	1.2	2.9	140	0.43
3000E8075N	Soil		5.9	907.1	374.4	681	3.0	10.5	49.3	2070	14.56	454.0	0.4	137.8	0.3	19	11.9	39.8	12.4	147	0.52
3000E8100N	Soil		4.9	187.9	27.4	277	0.5	24.9	25.6	1240	6.30	49.2	0.4	8.0	0.2	19	2.7	2.0	1.3	201	0.21
3000E8125N	Soil		5.2	2145	66.1	2113	2.9	16.9	27.3	872	9.87	246.7	0.8	84.5	0.2	33	19.0	15.8	4.2	64	1.77
3000E8150N	Soil		4.0	1192	45.6	1639	6.8	49.1	22.1	536	7.71	118.5	0.8	135.4	0.5	24	9.3	6.9	2.9	123	0.86

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Project: Bigtime
 Report Date: August 07, 2009

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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	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	
2800E7975N	Soil	0.079	5	48	0.57	83	0.053	2	2.05	0.006	0.04	0.4	0.04	2.1	<0.1	0.11	10	<0.5
2800E8000N	Soil	0.087	5	90	1.07	84	0.054	1	2.29	0.010	0.05	1.0	0.05	3.7	<0.1	0.11	9	1.2
2800E8025N	Soil	0.110	5	71	1.11	106	0.048	3	2.79	0.008	0.07	0.7	0.04	3.6	<0.1	0.11	10	1.0
2800E8050N	Soil	0.085	5	65	0.55	113	0.056	1	2.07	0.006	0.04	0.8	0.04	3.7	<0.1	<0.05	13	0.9
2800E8100N	Soil	0.185	20	57	0.90	218	0.056	3	2.49	0.006	0.04	0.4	0.12	6.0	0.3	0.22	8	3.3
2800E8125N	Soil	0.156	22	32	0.45	248	0.025	3	1.54	0.004	0.03	0.3	0.19	3.7	0.2	0.24	4	4.0
2800E8150N	Soil	0.107	5	41	0.44	188	0.057	4	1.25	0.005	0.05	0.8	0.11	2.9	<0.1	0.26	5	1.6
3000E7550N	Soil	0.083	4	38	0.41	89	0.067	1	1.57	0.008	0.04	0.2	0.05	2.8	<0.1	0.10	8	0.6
3000E7575N	Soil	0.131	4	102	1.03	120	0.148	3	2.28	0.009	0.04	0.1	0.07	4.9	<0.1	0.06	11	<0.5
3000E7600N	Soil	0.111	5	138	0.96	131	0.073	2	1.99	0.007	0.04	0.3	0.08	4.9	<0.1	0.14	8	<0.5
3000E7625N	Soil	0.085	8	133	1.75	56	0.097	1	3.01	0.010	0.03	0.2	0.07	9.7	<0.1	0.09	9	1.7
3000E7650N	Soil	0.127	5	109	1.98	61	0.129	2	3.07	0.008	0.04	0.3	0.11	12.0	<0.1	0.09	9	<0.5
3000E7675N	Soil	0.180	5	114	1.76	76	0.082	3	3.12	0.009	0.04	0.3	0.07	7.4	<0.1	0.14	9	0.9
3000E7700N	Soil	0.078	6	94	1.43	64	0.142	1	3.21	0.012	0.03	0.5	0.04	8.0	<0.1	0.08	12	0.6
3000E7725N	Soil	0.062	4	83	1.20	28	0.284	1	2.31	0.009	0.04	0.6	0.05	5.2	<0.1	<0.05	14	<0.5
3000E7775N	Soil	0.062	4	65	0.54	71	0.184	<1	1.70	0.011	0.04	0.7	0.04	4.4	<0.1	0.05	12	0.8
3000E7800N	Soil	0.135	5	66	0.80	21	0.141	2	5.86	0.006	0.01	0.5	0.10	10.1	<0.1	0.08	14	2.5
3000E7825N	Soil	0.092	13	110	1.11	96	0.090	2	2.69	0.010	0.05	0.5	0.07	8.3	<0.1	<0.05	12	1.5
3000E7850N	Soil	0.103	5	91	1.12	147	0.144	1	2.89	0.009	0.04	0.6	0.04	8.2	<0.1	<0.05	13	0.8
3000E7900N	Soil	0.099	8	41	1.80	64	0.108	1	4.01	0.005	0.05	0.4	0.08	12.1	<0.1	0.08	15	0.6
3000E7925N	Soil	0.127	7	44	1.07	147	0.095	3	3.34	0.007	0.10	0.4	0.04	9.3	0.1	<0.05	15	<0.5
3000E7950N	Soil	0.126	4	19	0.79	101	0.013	2	3.31	0.005	0.10	0.2	0.03	6.9	0.1	<0.05	13	<0.5
3000E7975N	Soil	0.067	6	29	0.37	96	0.057	1	1.68	0.008	0.05	0.2	0.04	4.4	<0.1	<0.05	10	<0.5
3000E8000N	Soil	0.075	6	24	0.41	128	0.077	<1	2.26	0.007	0.06	0.4	0.03	5.4	<0.1	0.08	13	0.9
3000E8025N	Soil	0.062	6	35	0.33	74	0.089	1	1.67	0.005	0.05	0.3	0.03	3.5	0.1	0.07	10	<0.5
3000E8050N	Soil	0.092	8	76	1.07	109	0.051	2	2.94	0.012	0.06	0.6	0.05	4.2	0.1	0.11	10	<0.5
3000E8075N	Soil	0.104	16	39	0.19	191	0.063	1	1.49	0.006	0.04	0.8	0.26	4.7	2.8	0.12	11	37.2
3000E8100N	Soil	0.090	5	71	0.86	112	0.120	2	2.22	0.010	0.04	0.5	0.05	5.1	0.6	0.15	12	0.6
3000E8125N	Soil	0.161	16	45	0.35	194	0.039	2	2.23	0.006	0.03	0.6	0.31	6.3	1.1	0.24	5	19.0
3000E8150N	Soil	0.100	9	117	1.12	118	0.085	2	3.23	0.007	0.04	0.6	0.30	9.1	0.9	0.15	8	8.2

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Project: Bigtime
 Report Date: August 07, 2009

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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	
3000E8175N	Soil		5.3	929.6	32.5	933	0.5	20.6	23.0	825	5.16	55.2	0.7	18.9	0.2	25	9.0	2.5	1.7	109	1.04
3200E7250N	Soil		2.0	47.1	8.5	54	0.5	10.7	7.8	569	3.21	8.4	0.6	22.4	<0.1	20	0.2	0.8	0.3	97	0.14
3200E7275N	Soil		0.8	61.6	9.5	76	0.2	13.5	12.8	1256	4.45	11.1	0.5	3.1	0.2	24	0.1	1.0	0.3	122	0.19
3200E7300N	Soil		0.5	20.2	12.7	26	0.3	4.6	3.6	157	2.45	4.7	0.4	5.1	0.5	16	0.1	0.6	0.3	88	0.12
3200E7325N	Soil		1.0	39.9	6.3	63	0.4	17.1	12.1	521	4.48	14.1	0.4	6.7	1.1	19	0.3	0.8	0.2	108	0.14
3200E7350N	Soil		0.9	19.0	5.6	46	0.2	10.4	7.2	259	4.12	9.2	0.4	1.9	0.7	16	0.3	0.7	0.2	100	0.12
3200E7375N	Soil		1.5	26.6	6.6	53	0.4	14.0	10.6	720	4.15	10.5	0.3	11.9	0.6	14	0.3	0.7	0.2	107	0.10
3200E7400N	Soil		1.8	32.0	6.0	49	0.4	16.8	8.9	293	4.44	11.0	0.3	4.0	0.9	13	0.2	0.6	0.2	110	0.10
3200E7425N	Soil		2.1	27.2	6.2	40	0.3	11.4	6.7	261	5.00	9.2	0.4	3.3	0.5	11	0.3	0.6	0.2	108	0.07
3200E7450N	Soil		1.3	21.9	6.7	38	0.7	13.5	6.7	216	2.43	4.2	0.4	5.1	0.2	13	0.3	0.5	0.2	70	0.10
3200E7475N	Soil		1.8	52.3	6.7	37	1.2	12.8	5.7	180	2.56	5.7	0.8	4.5	<0.1	11	0.5	0.5	0.2	53	0.09
3200E7500N	Soil		3.4	32.5	7.2	46	0.2	19.1	8.6	310	3.55	7.7	0.3	3.3	0.2	13	0.3	0.6	0.4	95	0.10
3200E7525N	Soil		2.5	20.4	7.1	30	0.2	9.0	5.0	282	3.65	8.3	0.3	3.2	0.2	12	0.2	0.6	0.3	102	0.09
3200E7550N	Soil		1.7	24.3	7.1	38	0.5	9.9	8.0	538	3.85	9.1	0.3	6.6	0.1	12	0.3	0.6	0.2	95	0.08
3200E7575N	Soil		4.5	23.1	7.4	31	0.2	10.5	6.0	346	3.90	7.4	0.3	2.6	0.1	12	0.4	0.6	0.3	110	0.08
3200E7600N	Soil		1.6	15.7	7.5	22	0.3	7.2	3.0	116	1.59	3.5	0.2	2.0	<0.1	12	0.1	0.4	0.3	59	0.10
3200E7625N	Soil		2.9	31.0	6.6	39	0.3	13.7	5.8	191	2.19	5.5	0.4	6.2	0.3	13	0.2	0.5	0.3	78	0.11
3200E7650N	Soil		5.4	42.7	6.4	41	0.3	15.5	8.0	317	4.74	9.3	0.3	3.8	0.5	13	0.2	0.6	0.3	130	0.11
3200E7675N	Soil		3.4	24.7	9.2	35	0.3	8.3	4.8	177	2.35	9.6	0.2	18.2	0.5	11	0.3	0.5	0.4	84	0.09
3200E7700N	Soil		3.4	40.2	6.3	48	0.2	15.5	7.1	229	4.72	10.1	0.3	7.3	0.5	9	0.2	0.6	0.4	108	0.09
3200E7725N	Soil		3.6	33.9	8.0	26	<0.1	8.0	4.7	258	2.05	4.4	0.3	3.2	<0.1	14	0.2	0.5	0.5	84	0.17
3200E7750N	Soil		4.7	105.4	7.2	74	0.2	33.2	15.8	479	4.56	11.8	0.4	3.6	0.4	18	0.2	0.6	0.5	121	0.27
3200E7775N	Soil		7.2	128.5	8.4	63	0.3	29.2	14.2	452	5.00	14.9	0.3	5.7	0.6	16	0.2	0.7	0.7	135	0.21
3200E7800N	Soil		6.0	112.8	6.7	60	0.2	28.5	14.8	442	5.16	16.4	0.4	4.9	0.3	13	0.6	0.7	0.5	123	0.20
3200E7825N	Soil		3.4	119.7	8.3	70	<0.1	41.5	22.3	870	3.72	8.6	0.4	6.2	1.0	32	0.3	0.7	0.4	108	0.64
3200E7850N	Soil		3.8	133.1	7.5	89	0.6	43.1	23.0	479	5.81	25.5	0.4	7.7	0.8	15	0.3	0.9	0.9	133	0.19
3200E7875N	Soil		4.4	83.4	6.8	60	0.5	30.0	15.7	480	5.24	17.5	0.3	4.9	0.4	17	0.4	0.9	1.1	149	0.26
3200E7900N	Soil		5.0	86.6	6.2	66	0.6	32.1	17.7	467	5.99	20.3	0.4	11.6	0.7	14	0.4	0.9	1.3	141	0.14
3200E7925N	Soil		3.1	46.0	7.3	106	0.3	21.8	15.1	627	4.64	10.4	0.4	14.1	0.6	19	0.4	0.7	1.1	139	0.44
3200E7950N	Soil		4.6	46.5	8.0	90	0.2	24.8	13.7	308	5.43	14.2	0.3	14.0	0.7	16	0.2	0.7	0.8	140	0.27

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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	0.1	0.05	1	0.5	
3000E8175N	Soil	0.111	11	58	0.47	125	0.045	<1	2.54	0.007	0.04	0.7	0.09	4.3	0.3	0.17	8	2.5
3200E7250N	Soil	0.080	6	29	0.53	79	0.048	<1	2.50	0.008	0.05	0.1	0.04	2.1	<0.1	0.13	10	0.5
3200E7275N	Soil	0.123	6	33	0.67	110	0.078	<1	2.32	0.010	0.06	0.1	0.03	4.0	<0.1	0.10	10	<0.5
3200E7300N	Soil	0.109	5	18	0.30	41	0.080	<1	2.10	0.007	0.04	0.2	0.03	3.6	<0.1	0.07	12	<0.5
3200E7325N	Soil	0.080	5	38	0.68	72	0.110	1	2.93	0.009	0.04	0.2	0.08	4.5	<0.1	0.07	9	<0.5
3200E7350N	Soil	0.051	4	29	0.53	51	0.096	<1	2.22	0.010	0.03	0.2	0.05	3.7	<0.1	<0.05	9	<0.5
3200E7375N	Soil	0.073	5	33	0.53	62	0.090	1	1.96	0.010	0.03	0.2	0.05	3.6	<0.1	<0.05	8	<0.5
3200E7400N	Soil	0.062	5	40	0.67	60	0.101	<1	2.04	0.009	0.03	0.2	0.04	3.9	<0.1	<0.05	9	<0.5
3200E7425N	Soil	0.060	5	39	0.46	43	0.092	<1	2.66	0.008	0.02	0.2	0.08	3.3	<0.1	0.05	9	<0.5
3200E7450N	Soil	0.052	5	27	0.52	50	0.069	1	1.77	0.008	0.03	0.1	0.03	2.5	<0.1	<0.05	8	<0.5
3200E7475N	Soil	0.085	7	34	0.40	60	0.024	<1	3.09	0.007	0.03	0.1	0.14	1.5	<0.1	0.07	6	0.7
3200E7500N	Soil	0.068	5	38	0.65	54	0.069	2	1.86	0.008	0.03	0.2	0.03	3.0	<0.1	<0.05	9	<0.5
3200E7525N	Soil	0.058	5	32	0.34	46	0.065	<1	1.57	0.008	0.03	0.2	0.04	2.2	<0.1	<0.05	8	<0.5
3200E7550N	Soil	0.071	4	30	0.47	46	0.057	<1	1.83	0.008	0.03	0.1	0.03	2.5	<0.1	<0.05	9	<0.5
3200E7575N	Soil	0.062	5	34	0.36	40	0.074	1	1.71	0.007	0.03	0.2	0.04	2.1	<0.1	<0.05	10	<0.5
3200E7600N	Soil	0.043	4	26	0.25	39	0.051	<1	1.22	0.007	0.02	0.2	0.03	1.2	<0.1	<0.05	7	<0.5
3200E7625N	Soil	0.049	4	38	0.50	47	0.071	1	2.08	0.008	0.03	0.2	0.04	3.2	<0.1	<0.05	8	<0.5
3200E7650N	Soil	0.062	4	42	0.52	36	0.114	1	1.74	0.009	0.03	0.4	0.05	3.5	<0.1	<0.05	9	<0.5
3200E7675N	Soil	0.035	4	27	0.34	47	0.102	<1	1.34	0.007	0.03	0.3	0.04	2.7	<0.1	<0.05	9	<0.5
3200E7700N	Soil	0.054	3	37	0.40	55	0.051	<1	1.90	0.007	0.03	0.3	0.05	3.5	<0.1	<0.05	8	<0.5
3200E7725N	Soil	0.056	4	30	0.22	83	0.042	1	1.18	0.008	0.05	0.2	0.04	1.4	<0.1	0.06	8	<0.5
3200E7750N	Soil	0.059	5	62	1.05	93	0.083	2	2.42	0.010	0.04	0.4	0.05	5.0	<0.1	<0.05	8	<0.5
3200E7775N	Soil	0.127	4	61	0.86	76	0.078	2	2.26	0.010	0.04	0.7	0.04	5.3	<0.1	<0.05	8	0.6
3200E7800N	Soil	0.081	4	62	0.84	64	0.079	2	2.66	0.009	0.03	0.5	0.06	4.6	<0.1	0.06	7	1.0
3200E7825N	Soil	0.086	7	65	1.21	92	0.136	2	1.78	0.015	0.07	0.4	0.02	7.0	<0.1	<0.05	6	<0.5
3200E7850N	Soil	0.126	4	82	1.05	84	0.105	3	3.08	0.010	0.05	0.7	0.05	5.7	<0.1	<0.05	8	0.7
3200E7875N	Soil	0.071	4	72	0.86	71	0.115	2	2.10	0.010	0.04	0.7	0.06	5.1	<0.1	0.06	9	0.8
3200E7900N	Soil	0.066	4	80	0.89	92	0.079	2	2.81	0.010	0.04	0.6	0.08	5.2	<0.1	0.07	9	0.8
3200E7925N	Soil	0.047	6	56	0.64	88	0.074	2	2.44	0.010	0.04	0.4	0.04	5.5	<0.1	0.05	10	<0.5
3200E7950N	Soil	0.043	5	54	0.61	137	0.094	2	2.50	0.010	0.04	0.2	0.04	4.8	<0.1	<0.05	11	<0.5

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: Bigtime
 Report Date: August 07, 2009

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CERTIFICATE OF ANALYSIS

SMI09000052.1

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	
3200E7975N	Soil		3.0	57.8	6.6	97	0.2	27.0	13.8	382	5.36	21.6	0.3	5.6	0.4	23	0.3	0.7	0.8	134	0.65
3200E8000N	Soil		2.9	135.9	9.0	98	0.9	31.8	20.1	570	4.97	23.8	0.4	11.8	0.3	21	0.8	1.1	1.4	122	0.47
3200E8025N	Soil		2.3	51.4	7.6	77	0.4	21.9	12.4	417	4.96	16.7	0.3	59.3	0.3	15	0.4	0.8	0.5	136	0.17
3200E8050N	Soil		2.7	103.4	8.1	78	0.3	15.2	25.5	1783	4.70	12.3	0.2	4.1	0.4	23	0.4	0.8	0.3	163	0.41
3200E8075N	Soil		1.9	87.1	6.1	142	0.4	13.6	23.0	1365	9.22	17.3	0.4	7.9	0.8	19	0.8	0.9	0.3	307	0.18
3200E8100N	Soil		1.5	87.7	9.1	62	0.3	16.9	9.6	279	4.42	15.3	0.4	14.2	0.7	13	0.5	0.6	0.2	121	0.15
3200E8125N	Soil		1.8	27.1	7.5	49	<0.1	13.4	6.3	195	3.73	8.9	0.2	2.0	0.5	12	0.3	0.7	0.3	116	0.10
3200E8150N	Soil		1.8	273.8	7.2	86	0.7	8.4	84.7	5565	6.70	7.1	0.4	4.4	<0.1	37	0.9	0.6	0.1	213	0.76
3200E8175N	Soil		1.9	187.4	7.9	99	0.4	8.9	52.4	2807	9.35	24.6	0.5	3.3	0.3	21	0.3	0.7	0.2	345	0.41
3200E8200N	Soil		1.8	158.2	6.2	89	0.2	8.1	29.4	1492	10.21	21.4	0.4	3.0	0.3	16	0.3	0.7	0.1	365	0.24



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Project: Bigtime
 Report Date: August 07, 2009

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CERTIFICATE OF ANALYSIS

SMI09000052.1

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	0.1	0.05	1	0.5	
3200E7975N	Soil	0.046	4	66	0.77	115	0.083	2	2.40	0.010	0.05	0.4	0.04	4.5	<0.1	0.06	9	<0.5
3200E8000N	Soil	0.073	6	63	1.06	99	0.067	3	2.62	0.010	0.05	0.4	0.05	5.6	<0.1	0.05	8	0.8
3200E8025N	Soil	0.075	4	48	0.55	113	0.060	1	2.13	0.009	0.04	0.3	0.05	3.8	<0.1	<0.05	9	0.5
3200E8050N	Soil	0.056	4	49	0.86	67	0.143	1	1.74	0.010	0.03	0.2	0.05	5.2	<0.1	0.06	9	<0.5
3200E8075N	Soil	0.104	4	31	0.82	84	0.212	2	3.08	0.006	0.05	0.3	0.05	5.6	<0.1	0.06	14	<0.5
3200E8100N	Soil	0.059	4	32	0.39	78	0.063	2	1.84	0.009	0.04	0.2	0.05	4.2	<0.1	0.06	8	<0.5
3200E8125N	Soil	0.038	4	35	0.29	66	0.068	2	1.42	0.010	0.03	0.2	0.03	3.0	<0.1	<0.05	9	<0.5
3200E8150N	Soil	0.154	8	12	0.52	80	0.095	2	2.32	0.006	0.03	0.2	0.10	5.0	<0.1	0.14	9	<0.5
3200E8175N	Soil	0.093	4	13	0.92	59	0.149	<1	2.67	0.006	0.03	0.3	0.06	6.2	<0.1	0.09	12	<0.5
3200E8200N	Soil	0.088	3	11	0.85	62	0.152	<1	2.64	0.005	0.03	0.4	0.07	5.2	<0.1	0.08	12	<0.5



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Project: Bigtime
 Report Date: August 07, 2009

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

SMI09000052.1

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
Pulp Duplicates																				
3000E7625N	Soil	5.7	167.9	11.7	83	<0.1	81.8	35.0	1835	5.06	20.1	0.6	2.6	0.4	28	3.2	1.5	0.2	135	0.90
REP 3000E7625N	QC	5.8	170.0	11.9	80	<0.1	81.1	34.8	1849	4.99	21.1	0.5	10.3	0.3	29	3.3	1.5	0.2	136	0.88
3000E8000N	Soil	1.9	74.7	9.6	52	0.3	10.7	10.4	483	5.20	14.7	0.3	4.2	0.4	10	0.2	0.9	2.4	232	0.14
REP 3000E8000N	QC	1.9	75.5	9.4	54	0.3	12.1	10.4	480	5.35	15.1	0.3	22.2	0.4	10	0.2	0.8	2.3	234	0.15
3200E7375N	Soil	1.5	26.6	6.6	53	0.4	14.0	10.6	720	4.15	10.5	0.3	11.9	0.6	14	0.3	0.7	0.2	107	0.10
REP 3200E7375N	QC	1.5	26.9	6.7	55	0.4	13.8	10.6	723	4.29	10.9	0.3	3.5	0.6	14	0.2	0.7	0.2	111	0.10
3200E8050N	Soil	2.7	103.4	8.1	78	0.3	15.2	25.5	1783	4.70	12.3	0.2	4.1	0.4	23	0.4	0.8	0.3	163	0.41
REP 3200E8050N	QC	2.7	106.7	8.7	78	0.3	16.2	25.6	1797	4.62	12.5	0.3	3.3	0.3	24	0.4	0.8	0.3	165	0.43
Reference Materials																				
STD DS7	Standard	20.6	110.9	77.7	411	0.8	56.6	9.6	644	2.44	51.8	5.5	71.1	4.9	85	6.6	6.4	5.3	84	0.99
STD DS7	Standard	19.7	103.1	62.4	393	0.8	54.2	9.2	622	2.41	51.3	4.6	60.7	4.2	75	6.4	6.0	4.4	82	0.96
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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



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Project: Bigtime
 Report Date: August 07, 2009

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI09000052.1

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																		
3000E7625N	Soil	0.085	8	133	1.75	56	0.097	1	3.01	0.010	0.03	0.2	0.07	9.7	<0.1	0.09	9	1.7
REP 3000E7625N	QC	0.085	8	131	1.71	60	0.098	3	3.01	0.010	0.03	0.3	0.08	9.6	<0.1	0.07	9	1.3
3000E8000N	Soil	0.075	6	24	0.41	128	0.077	<1	2.26	0.007	0.06	0.4	0.03	5.4	<0.1	0.08	13	0.9
REP 3000E8000N	QC	0.076	6	24	0.43	127	0.079	2	2.25	0.007	0.06	0.3	0.03	6.0	<0.1	0.09	13	<0.5
3200E7375N	Soil	0.073	5	33	0.53	62	0.090	1	1.96	0.010	0.03	0.2	0.05	3.6	<0.1	<0.05	8	<0.5
REP 3200E7375N	QC	0.074	5	33	0.54	64	0.096	1	2.01	0.010	0.03	0.2	0.05	3.6	<0.1	<0.05	8	<0.5
3200E8050N	Soil	0.056	4	49	0.86	67	0.143	1	1.74	0.010	0.03	0.2	0.05	5.2	<0.1	0.06	9	<0.5
REP 3200E8050N	QC	0.060	4	50	0.81	70	0.143	2	1.77	0.011	0.03	0.2	0.05	5.1	<0.1	0.06	10	<0.5
Reference Materials																		
STD DS7	Standard	0.078	15	214	1.03	406	0.138	36	1.06	0.098	0.45	4.0	0.19	2.8	4.7	0.27	5	3.7
STD DS7	Standard	0.085	14	199	1.02	408	0.129	40	1.02	0.096	0.46	4.0	0.18	2.6	4.2	0.24	5	2.9
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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



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Submitted By: Email Distribution List
Receiving Lab: Canada-Smithers
Received: August 04, 2009
Report Date: August 17, 2009
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI09000085.1

CLIENT JOB INFORMATION

Project: Bigtime
Shipment ID: BIGT_SSN09-11_73109
P.O. Number
Number of Samples: 17

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**
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Vancouver BC V6C 2V6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R150	17	Crush, split and pulverize rock to 150 mesh			VAN
1DX30	17	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
DIS-RJT	17	Warehouse handling / Disposition of reject			SMI

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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Bigtime
 Report Date: August 17, 2009

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

SMI09000085.1

Method	Analyte	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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
B880721	Rock	1.42	8.7	3092	4.1	40	0.7	13.0	9.5	614	3.73	8.0	0.6	6.0	0.5	10	0.4	0.4	<0.1	99	2.20
B880722	Rock	0.86	1.8	<0.1	8.4	9	0.2	4.3	5.8	475	2.30	16.8	1.0	53.5	1.2	17	<0.1	0.3	0.6	18	1.77
B880723	Rock	0.89	0.5	122.2	1.5	61	<0.1	30.8	25.1	851	5.08	0.8	0.2	2.0	0.4	25	<0.1	0.1	<0.1	199	2.53
B880724	Rock	0.71	0.6	4.6	2.1	36	<0.1	26.2	16.0	785	3.50	<0.5	0.2	1.1	0.9	21	<0.1	<0.1	<0.1	95	1.45
B880725	Rock	0.72	1.8	127.2	1.5	33	<0.1	11.5	18.4	819	4.01	4.8	0.2	1.2	0.3	43	<0.1	0.3	<0.1	96	3.49
B880726	Rock	0.53	5.2	237.5	4.1	42	0.3	12.1	28.2	531	6.11	5.7	1.2	1.6	0.5	17	0.2	0.4	<0.1	130	1.57
B880727	Rock	0.77	6.1	48.6	4.2	35	<0.1	12.7	8.9	637	3.42	10.0	0.3	<0.5	0.4	12	0.3	0.2	<0.1	88	1.35
B880728	Rock	1.28	7.9	66.5	2.0	35	0.2	13.9	12.2	524	3.15	23.0	0.4	1.9	0.3	20	<0.1	0.3	<0.1	59	2.67
B880729	Rock	0.91	6.2	570.0	1.2	81	0.1	37.5	28.2	1174	5.76	246.3	0.4	2.1	0.5	34	0.1	0.7	<0.1	169	6.80
B880730	Rock	0.42	0.5	177.0	1.8	88	<0.1	45.6	30.7	1076	6.11	1.3	0.2	1.9	0.7	35	0.3	0.2	<0.1	239	3.42
B880731	Rock	0.59	8.1	46.6	3.1	42	0.2	14.3	8.3	625	2.78	18.8	0.8	2.0	0.6	20	0.3	0.3	<0.1	74	2.64
B880732	Rock	0.88	5.0	238.7	4.9	53	0.2	20.4	14.9	770	4.47	13.3	1.0	3.4	0.7	17	0.2	0.3	<0.1	157	2.25
B880733	Rock	0.62	86.2	9847	12.1	54	1.9	15.8	19.2	661	5.12	13.2	0.5	9.4	0.6	4	0.6	0.8	<0.1	154	0.53
B880734	Rock	0.46	14.1	394.7	5.9	30	0.6	16.9	11.9	598	3.77	7.2	0.7	3.0	0.6	6	<0.1	0.5	<0.1	136	1.14
B880735	Rock	0.66	1.2	28.3	0.7	12	<0.1	11.5	4.7	246	2.08	0.9	0.1	<0.5	0.5	10	<0.1	<0.1	<0.1	85	1.04
B880736	Rock	0.44	0.2	21.5	1.5	70	<0.1	46.5	29.4	1170	6.62	<0.5	0.1	3.0	0.6	31	0.2	0.2	<0.1	162	5.29
B880737	Rock	1.20	1.4	9438	20.8	61	13.0	5.6	33.6	541	8.55	6.0	0.2	41.3	0.4	23	0.4	1.3	68.1	201	3.65



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Project: Bigtime
 Report Date: August 17, 2009

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

SMI09000085.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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	0.01	0.01	0.01	0.05	1	0.5	
B880721	Rock	0.065	5	9	1.08	18	0.035	3	1.73	0.030	0.10	<0.1	<0.01	6.0	<0.1	0.62	8	1.3
B880722	Rock	0.067	9	5	0.13	97	0.006	3	0.43	0.026	0.28	0.9	<0.01	1.0	<0.1	1.49	2	0.6
B880723	Rock	0.136	2	62	2.26	24	0.236	9	3.56	0.049	0.05	0.1	<0.01	8.2	<0.1	<0.05	12	0.5
B880724	Rock	0.072	9	30	1.28	39	0.031	2	1.64	0.059	0.07	<0.1	<0.01	6.4	<0.1	<0.05	8	<0.5
B880725	Rock	0.052	6	11	1.51	51	0.021	4	1.70	0.026	0.11	<0.1	<0.01	7.5	<0.1	0.33	6	0.7
B880726	Rock	0.082	9	17	1.68	94	0.013	4	1.67	0.046	0.05	<0.1	<0.01	8.7	<0.1	1.40	8	5.6
B880727	Rock	0.058	4	9	0.90	29	0.014	3	0.92	0.043	0.06	<0.1	<0.01	6.8	<0.1	0.31	5	1.5
B880728	Rock	0.051	4	13	0.86	29	0.014	4	0.68	0.027	0.09	<0.1	0.03	5.0	<0.1	0.35	3	0.6
B880729	Rock	0.059	7	30	0.81	71	0.003	4	0.59	0.014	0.08	<0.1	0.36	13.5	<0.1	0.13	2	0.6
B880730	Rock	0.080	7	62	2.38	29	0.269	4	2.87	0.096	0.04	<0.1	<0.01	10.5	<0.1	<0.05	12	<0.5
B880731	Rock	0.050	5	5	1.08	105	0.002	5	0.32	0.024	0.09	<0.1	<0.01	4.9	<0.1	0.68	1	1.7
B880732	Rock	0.075	5	19	1.26	38	0.053	3	1.95	0.049	0.09	<0.1	0.01	7.9	<0.1	0.88	8	1.6
B880733	Rock	0.070	3	11	1.44	16	0.041	1	2.13	0.029	0.05	<0.1	0.02	7.0	0.1	0.80	10	2.9
B880734	Rock	0.052	4	11	1.04	22	0.035	2	1.54	0.024	0.09	<0.1	<0.01	5.4	<0.1	0.89	7	1.7
B880735	Rock	0.044	6	13	0.65	17	0.016	2	0.89	0.038	0.05	<0.1	<0.01	3.8	<0.1	<0.05	5	<0.5
B880736	Rock	0.071	8	29	2.25	118	0.024	4	3.52	0.014	0.11	<0.1	<0.01	13.1	<0.1	<0.05	11	<0.5
B880737	Rock	0.076	4	2	1.88	42	0.004	1	2.79	0.012	0.18	<0.1	0.40	10.7	0.2	2.33	9	4.5



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Project: Bigtime

Report Date: August 17, 2009

Page: 1 of 1 **Part** 1

QUALITY CONTROL REPORT

SMI09000085.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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
Reference Materials																				
STD DS7	Standard	19.8	109.3	70.7	385	0.8	55.0	8.8	601	2.41	49.8	5.0	62.5	4.6	74	6.1	6.2	4.7	81	0.97
STD DS7	Standard	20.0	107.0	69.6	385	0.8	54.3	9.1	598	2.37	48.9	5.0	66.4	4.5	74	6.1	6.1	4.8	80	0.96
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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
Prep Wash																				
G1	Prep Blank	0.2	2.2	2.6	47	<0.1	5.6	4.5	563	1.97	<0.5	1.8	<0.5	3.8	65	<0.1	<0.1	<0.1	39	0.54
G1	Prep Blank	0.2	2.0	2.6	48	<0.1	4.6	4.5	567	1.94	<0.5	1.7	<0.5	3.9	59	<0.1	<0.1	<0.1	39	0.52



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Project: Bigtime

Report Date: August 17, 2009

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

SMI09000085.1

Method		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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
Reference Materials																		
STD DS7	Standard	0.080	13	173	1.03	398	0.128	41	1.05	0.092	0.44	3.6	0.21	2.6	4.0	0.19	5	3.1
STD DS7	Standard	0.078	13	188	1.01	380	0.130	41	1.02	0.098	0.44	3.5	0.20	2.4	3.9	0.19	5	3.3
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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
Prep Wash																		
G1	Prep Blank	0.082	8	13	0.62	256	0.153	2	1.03	0.085	0.56	<0.1	<0.01	2.3	0.4	<0.05	5	<0.5
G1	Prep Blank	0.087	8	13	0.63	264	0.155	1	1.00	0.071	0.56	<0.1	<0.01	2.2	0.4	<0.05	5	<0.5



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Submitted By: Email Distribution List
 Receiving Lab: Canada-Smithers
 Received: August 10, 2009
 Report Date: August 17, 2009
 Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI09000124.1

CLIENT JOB INFORMATION

Project: Bigtime
 Shipment ID: BIGT_SSN09-12_80509
 P.O. Number
 Number of Samples: 63

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
 DISP-RJT-SOIL Immediate Disposal of Soil Reject

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	Lab
SS80	63	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	63	Dry at 60C			SMI
Soil Pulverize	63	Soil Pulverize			VAN
1DX15	63	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

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. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Bigtime
 Report Date: August 17, 2009

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CERTIFICATE OF ANALYSIS

SMI09000124.1

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	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	
8250N1525E	Soil		0.7	11.8	7.0	22	0.1	6.1	2.7	110	1.45	3.4	0.2	4.1	0.4	13	<0.1	0.4	0.2	57	0.10
8250N1550E	Soil		1.2	12.0	7.4	26	0.2	6.7	3.3	162	2.67	5.7	0.2	4.7	0.6	10	<0.1	0.5	0.2	90	0.08
8250N1575E	Soil		1.4	26.1	7.0	65	0.3	15.9	10.4	828	4.78	18.9	0.3	4.7	0.4	18	0.1	0.9	0.3	111	0.18
8250N1600E	Soil		1.2	18.6	5.6	45	0.3	12.4	6.0	222	2.48	5.6	0.3	3.5	0.2	12	0.2	0.4	0.2	73	0.13
8250N1625E	Soil		1.2	30.8	6.7	51	0.2	21.2	9.1	387	3.90	8.5	0.3	2.8	0.3	13	0.1	0.6	0.1	111	0.16
8250N1650E	Soil		1.9	24.3	6.4	55	0.2	13.1	8.0	2406	2.62	8.9	0.3	3.5	<0.1	13	0.3	0.5	0.2	80	0.15
8250N1675E	Soil		1.5	34.0	7.0	100	0.2	20.3	11.0	593	3.33	8.4	0.3	3.3	0.2	17	0.5	0.6	0.2	87	0.34
8250N1725E	Soil		3.0	47.5	10.5	126	0.1	25.1	13.8	2007	4.88	26.9	0.4	5.7	0.2	20	0.5	0.8	0.5	93	0.61
8250N1750E	Soil		1.4	29.0	7.6	84	<0.1	22.9	9.4	423	3.47	7.2	0.3	1.3	0.2	13	0.1	0.6	0.2	93	0.25
8250N1775E	Soil		1.5	32.5	6.8	62	<0.1	21.5	9.0	332	3.52	7.5	0.3	2.2	0.5	13	0.2	0.6	0.2	94	0.18
8250N1800E	Soil		1.5	26.3	7.6	49	0.2	14.9	6.6	241	3.24	6.5	0.4	5.8	0.2	12	0.3	0.5	0.2	83	0.10
8250N1825E	Soil		1.3	71.6	6.4	91	0.2	29.5	11.2	343	3.25	7.7	0.5	4.7	0.3	16	0.6	0.6	0.1	89	0.22
8250N1850E	Soil		1.1	40.3	5.8	81	0.1	23.9	11.1	505	2.85	6.9	0.3	5.9	0.2	18	0.3	0.4	0.1	76	0.37
8250N1875E	Soil		1.6	38.4	7.6	74	<0.1	23.2	10.1	393	3.91	12.2	0.4	1.9	0.2	18	0.2	0.6	0.1	95	0.35
8250N1925E	Soil		1.8	330.7	7.4	108	0.4	45.9	13.3	863	3.55	8.8	0.7	11.3	0.3	33	0.9	0.9	0.2	84	1.30
8250N1950E	Soil		2.2	105.4	7.7	107	0.2	34.0	13.0	683	3.80	11.6	0.4	3.4	0.1	32	0.5	0.6	0.3	118	1.12
8250N1975E	Soil		2.6	50.8	7.2	67	0.5	20.6	8.4	259	3.31	6.2	0.4	4.0	0.2	18	0.7	0.6	0.2	98	0.34
8250N2000E	Soil		1.6	41.6	8.6	67	0.7	20.5	10.2	334	3.94	8.8	0.4	9.2	0.5	12	0.4	0.6	0.1	85	0.13
8250N2025E	Soil		1.5	54.6	7.0	82	0.3	29.8	12.3	374	4.54	11.8	0.4	3.6	0.7	13	0.4	0.7	0.2	114	0.14
8250N2050E	Soil		1.6	43.2	7.9	69	0.1	29.3	10.1	295	4.65	11.4	0.4	5.3	0.7	12	0.3	0.7	0.2	112	0.12
8250N2075E	Soil		1.6	33.2	7.3	50	0.4	16.6	7.6	257	4.47	9.6	0.4	8.1	0.4	10	0.2	0.7	0.1	116	0.10
8250N2125E	Soil		7.1	313.7	24.2	155	0.6	28.9	13.6	2799	3.59	17.7	2.2	22.7	0.7	40	1.8	1.2	0.2	97	1.86
8250N2150E	Soil		4.0	147.6	6.6	74	0.2	30.5	11.9	456	3.44	14.6	0.7	3.8	0.4	24	0.5	0.7	0.2	91	0.76
8250N2175E	Soil		2.3	48.8	7.0	60	0.4	20.7	9.1	282	2.94	6.6	0.4	2.5	<0.1	16	0.2	0.6	0.2	100	0.25
8250N2225E	Soil		2.6	95.2	6.9	58	0.4	27.2	10.0	395	2.92	6.3	0.5	10.9	0.2	29	1.0	0.8	0.3	115	0.78
8250N2250E	Soil		5.1	330.0	7.9	91	0.7	25.8	15.1	1998	3.45	10.1	1.5	13.5	0.3	47	1.9	1.1	0.2	102	1.97
8250N2275E	Soil		4.4	299.7	13.4	199	0.3	33.4	17.2	1937	3.89	9.6	0.6	10.7	0.2	31	4.3	1.0	0.2	105	1.36
8250N2325E	Soil		8.0	93.2	7.3	77	0.3	20.2	8.7	427	2.87	5.2	0.5	8.0	0.1	21	0.6	0.5	0.2	81	0.61
8250N2350E	Soil		4.4	63.2	8.5	60	0.1	23.6	9.6	457	3.25	6.1	0.5	13.1	<0.1	18	0.3	0.5	0.4	110	0.20
8250N2375E	Soil		2.0	59.3	7.2	42	0.2	19.7	12.2	545	4.48	8.4	0.4	27.3	<0.1	12	0.2	0.8	0.3	142	0.10

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: Bigtime
 Report Date: August 17, 2009

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CERTIFICATE OF ANALYSIS

SMI09000124.1

Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Ti	1DX15 S	1DX15 Ga	1DX15 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
8250N1525E	Soil			0.033	5	16	0.17	79	0.071	<1	0.86	0.007	0.03	0.2	0.02	1.7	<0.1	<0.05	6	<0.5
8250N1550E	Soil			0.053	5	22	0.16	58	0.096	<1	1.02	0.008	0.02	0.2	0.02	1.9	<0.1	<0.05	8	<0.5
8250N1575E	Soil			0.122	5	34	0.60	186	0.050	<1	1.63	0.009	0.05	0.3	0.04	3.1	<0.1	<0.05	9	<0.5
8250N1600E	Soil			0.053	5	26	0.38	99	0.043	<1	1.44	0.009	0.03	0.2	0.04	1.6	<0.1	<0.05	6	<0.5
8250N1625E	Soil			0.083	6	40	0.58	104	0.072	<1	1.54	0.011	0.03	0.1	0.02	2.7	<0.1	<0.05	7	<0.5
8250N1650E	Soil			0.094	6	29	0.32	175	0.038	<1	1.53	0.008	0.05	0.1	0.04	1.5	<0.1	<0.05	7	<0.5
8250N1675E	Soil			0.062	6	35	0.48	168	0.038	<1	1.88	0.009	0.04	0.2	0.03	3.0	<0.1	<0.05	8	<0.5
8250N1725E	Soil			0.120	6	39	0.50	173	0.018	<1	2.55	0.013	0.05	0.4	0.05	2.4	<0.1	<0.05	8	<0.5
8250N1750E	Soil			0.052	5	35	0.43	155	0.028	<1	1.67	0.008	0.05	0.1	0.02	2.4	<0.1	<0.05	7	<0.5
8250N1775E	Soil			0.040	5	40	0.51	133	0.057	<1	1.81	0.009	0.05	0.2	0.04	3.4	<0.1	<0.05	7	<0.5
8250N1800E	Soil			0.050	5	34	0.38	81	0.050	<1	1.64	0.009	0.05	0.1	0.04	2.0	<0.1	<0.05	9	<0.5
8250N1825E	Soil			0.062	6	37	0.63	154	0.048	<1	2.02	0.010	0.05	0.1	0.06	3.4	<0.1	<0.05	7	<0.5
8250N1850E	Soil			0.048	5	32	0.56	164	0.031	<1	1.90	0.010	0.04	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5
8250N1875E	Soil			0.048	5	35	0.52	189	0.043	<1	1.75	0.009	0.04	<0.1	0.03	2.7	<0.1	<0.05	7	<0.5
8250N1925E	Soil			0.161	9	66	0.70	132	0.023	<1	2.41	0.009	0.08	0.2	0.08	5.9	<0.1	<0.05	7	1.0
8250N1950E	Soil			0.121	6	66	0.82	128	0.030	<1	2.18	0.008	0.06	0.2	0.05	2.4	<0.1	0.07	9	<0.5
8250N1975E	Soil			0.055	6	38	0.57	101	0.037	<1	2.06	0.009	0.04	0.1	0.05	3.2	<0.1	<0.05	8	<0.5
8250N2000E	Soil			0.050	5	40	0.46	81	0.055	<1	2.90	0.011	0.03	0.2	0.10	3.6	<0.1	<0.05	6	<0.5
8250N2025E	Soil			0.068	4	55	0.69	95	0.073	<1	2.68	0.009	0.05	0.3	0.05	3.8	<0.1	<0.05	8	0.6
8250N2050E	Soil			0.064	4	54	0.68	72	0.080	<1	2.23	0.009	0.04	0.2	0.05	3.6	<0.1	<0.05	7	0.6
8250N2075E	Soil			0.068	4	35	0.45	58	0.065	<1	2.03	0.010	0.04	0.2	0.07	3.0	<0.1	<0.05	8	<0.5
8250N2125E	Soil			0.392	23	82	0.70	131	0.026	2	2.89	0.007	0.07	0.3	0.14	12.3	0.2	0.18	7	2.6
8250N2150E	Soil			0.065	6	41	0.62	94	0.035	<1	2.09	0.012	0.05	0.1	0.04	4.8	<0.1	<0.05	7	1.3
8250N2175E	Soil			0.072	5	36	0.51	110	0.038	<1	2.17	0.009	0.05	0.2	0.05	1.8	0.1	<0.05	10	<0.5
8250N2225E	Soil			0.063	6	81	0.66	67	0.101	<1	1.94	0.010	0.03	0.3	0.05	3.2	<0.1	<0.05	9	0.6
8250N2250E	Soil			0.295	23	68	0.38	145	0.020	3	3.72	0.007	0.03	0.2	0.16	5.1	0.1	0.14	5	2.8
8250N2275E	Soil			0.144	11	65	0.70	125	0.026	<1	2.36	0.010	0.04	0.1	0.07	4.6	0.1	0.06	7	1.0
8250N2325E	Soil			0.095	7	35	0.42	117	0.017	<1	2.10	0.010	0.04	0.1	0.05	2.3	<0.1	<0.05	8	<0.5
8250N2350E	Soil			0.077	5	60	0.64	91	0.032	<1	1.98	0.010	0.04	0.2	0.02	2.0	<0.1	<0.05	8	<0.5
8250N2375E	Soil			0.099	4	62	0.42	58	0.048	<1	1.67	0.009	0.04	0.2	0.05	1.9	<0.1	<0.05	8	<0.5

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Project: Bigtime
 Report Date: August 17, 2009

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CERTIFICATE OF ANALYSIS

SMI09000124.1

Method	Analyte	Unit	MDL	WGHT	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
8250N2425E	Soil				3.8	52.7	7.4	53	0.3	15.1	9.6	387	5.36	11.5	0.5	6.3	0.3	13	1.1	0.7	0.4	163	0.17
8250N2450E	Soil				3.8	41.3	6.7	51	0.1	21.0	10.3	300	5.64	13.8	0.3	6.5	0.5	11	0.4	0.8	0.4	144	0.14
8250N2475E	Soil				1.9	31.1	7.3	51	0.3	19.0	8.5	297	5.11	9.7	0.3	3.8	0.3	13	0.3	0.7	0.3	150	0.14
8250N2500E	Soil				5.5	203.9	9.7	73	0.4	27.8	18.2	1193	4.99	13.4	0.3	7.3	0.4	26	0.4	1.0	0.7	132	0.78
8250N2525E	Soil				3.1	146.2	7.4	51	0.3	36.5	15.6	351	5.54	11.4	0.3	8.9	0.7	15	0.2	1.2	0.6	168	0.20
8250N2550E	Soil				2.6	45.7	7.6	44	0.2	24.6	10.6	338	4.13	11.9	0.4	9.7	0.6	15	0.1	0.9	0.5	156	0.17
8250N2575E	Soil				2.5	25.0	10.9	28	0.2	11.5	5.1	154	3.49	9.0	0.3	6.3	0.7	12	0.2	0.9	0.6	152	0.10
8250N2600E	Soil				2.3	37.2	9.9	58	0.6	20.7	10.7	536	5.54	16.3	0.3	10.1	0.7	12	0.2	1.0	0.6	165	0.11
8250N2625E	Soil				3.9	104.1	8.8	75	0.9	61.4	22.1	582	6.36	64.7	0.5	28.0	0.3	12	0.3	1.4	2.6	111	0.21
8250N2650E	Soil				3.1	147.8	10.9	47	0.7	24.2	19.9	766	5.53	35.3	0.5	35.7	0.1	11	0.3	1.6	0.9	128	0.38
8250N2675E	Soil				3.7	171.0	18.1	38	0.9	19.2	8.0	176	5.32	35.6	0.5	9.8	0.1	6	0.2	1.7	1.0	155	0.11
8250N2700E	Soil				9.8	1428	143.5	644	2.3	28.8	120.4	3840	11.38	188.3	0.7	160.4	0.5	25	9.2	5.3	0.9	241	0.68
8250N2725E	Soil				2.5	908.5	54.3	209	0.6	14.9	106.4	3308	9.67	65.8	0.6	30.5	0.3	48	3.6	1.3	0.2	306	1.18
8250N2750E	Soil				6.6	393.7	38.4	116	0.5	38.7	49.9	1677	6.17	45.6	0.6	46.8	0.6	35	1.7	2.5	0.5	155	0.77
8250N2800E	Soil				9.6	86.8	83.1	148	0.4	12.3	15.4	865	8.73	54.5	0.3	64.6	0.5	18	0.6	1.8	0.7	399	0.14
8250N2825E	Soil				21.0	62.9	99.9	122	0.4	12.5	10.8	433	7.49	56.8	0.3	46.4	0.3	18	0.9	2.0	0.7	314	0.20
8250N2850E	Soil				5.1	36.4	27.0	54	0.2	11.3	10.4	358	6.43	53.8	0.2	193.6	0.5	17	0.3	2.1	0.4	361	0.11
8250N2875E	Soil				2.2	39.1	18.8	47	0.2	14.9	9.7	334	4.89	24.8	0.3	33.6	0.3	19	0.2	1.0	0.4	194	0.27
8250N2900E	Soil				2.4	51.4	21.9	78	0.1	20.0	11.3	442	4.77	17.3	0.3	5.4	0.4	17	0.3	0.8	0.3	161	0.26
8250N2925E	Soil				2.0	345.5	45.2	121	0.2	27.4	28.1	1227	6.30	41.4	0.5	8.2	0.3	36	1.7	0.9	0.3	236	1.40
8250N2950E	Soil				2.5	194.7	22.9	110	0.4	13.3	70.7	3461	7.26	48.9	0.4	5.7	0.1	40	1.0	1.1	0.3	284	0.60
8250N2975E	Soil				2.3	607.0	59.1	2055	0.8	24.0	42.7	2612	6.26	53.3	0.7	41.9	0.2	24	11.4	1.7	0.5	152	0.78
8250N3000E	Soil				1.4	118.1	9.4	72	0.5	7.3	15.4	578	8.21	12.1	0.5	6.6	0.3	24	0.3	0.7	0.2	462	0.19
8250N3025E	Soil				2.5	468.2	47.7	225	0.8	16.1	15.3	473	15.77	87.8	0.3	5.7	0.5	24	1.4	2.2	0.6	326	0.36
8250N3050E	Soil				2.8	825.4	72.3	214	0.6	6.4	12.2	610	16.62	177.7	0.3	6.6	0.6	26	2.9	2.4	0.5	266	0.83
8250N3075E	Soil				2.1	205.7	10.5	206	0.1	23.1	16.3	510	6.71	15.4	0.4	4.9	0.6	17	0.3	0.6	0.2	207	0.17
8250N3100E	Soil				1.8	85.8	11.1	81	0.3	13.5	17.8	1122	6.34	17.5	0.3	5.2	0.3	22	0.4	0.8	0.3	243	0.31
8250N3125E	Soil				2.3	119.3	11.7	113	0.2	24.3	27.8	1443	7.83	19.2	0.4	9.2	0.5	23	0.5	0.8	0.3	283	0.31
8250N3150E	Soil				1.6	145.9	8.5	120	0.3	19.5	24.7	2109	6.96	18.3	0.4	18.3	0.2	20	0.3	0.7	0.2	253	0.33
8250N3175E	Soil				1.6	138.6	7.5	88	0.1	34.4	19.6	803	4.72	12.0	0.4	11.0	0.3	19	0.4	0.6	0.3	146	0.42

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CERTIFICATE OF ANALYSIS

SMI09000124.1

Method	Analyte	Unit	MDL	1DX15 P	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Ti	1DX15 S	1DX15 Ga	1DX15 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
8250N2425E	Soil			0.059	4	47	0.36	65	0.091	<1	1.71	0.012	0.03	0.3	0.05	3.0	<0.1	<0.05	10	<0.5
8250N2450E	Soil			0.046	3	52	0.48	71	0.098	<1	1.98	0.009	0.03	0.3	0.04	3.6	<0.1	<0.05	9	<0.5
8250N2475E	Soil			0.059	3	54	0.49	65	0.086	2	1.97	0.009	0.03	0.3	0.05	2.7	<0.1	<0.05	9	<0.5
8250N2500E	Soil			0.062	6	64	0.72	89	0.038	2	2.37	0.010	0.03	0.6	0.03	4.1	<0.1	<0.05	8	0.5
8250N2525E	Soil			0.039	4	87	0.86	34	0.143	<1	1.95	0.008	0.03	0.8	0.03	3.0	<0.1	<0.05	8	<0.5
8250N2550E	Soil			0.037	4	80	0.68	51	0.145	<1	1.46	0.008	0.03	0.6	0.04	2.5	<0.1	<0.05	8	<0.5
8250N2575E	Soil			0.040	5	51	0.31	45	0.151	1	1.53	0.009	0.03	0.5	0.04	2.3	<0.1	<0.05	11	<0.5
8250N2600E	Soil			0.140	4	73	0.46	71	0.139	<1	1.57	0.008	0.04	0.5	0.04	2.6	<0.1	<0.05	11	<0.5
8250N2625E	Soil			0.091	5	115	0.95	94	0.032	1	2.86	0.008	0.03	0.6	0.06	4.0	<0.1	<0.05	6	1.6
8250N2650E	Soil			0.102	7	70	0.58	60	0.031	1	1.81	0.006	0.03	0.6	0.08	2.5	0.1	0.09	7	2.0
8250N2675E	Soil			0.095	4	83	0.24	57	0.080	<1	0.91	0.006	0.02	0.9	0.08	2.1	<0.1	0.11	6	1.6
8250N2700E	Soil			0.252	11	45	1.79	85	0.117	24	3.16	0.006	0.06	0.3	0.12	10.2	0.2	0.07	12	5.8
8250N2725E	Soil			0.228	6	16	1.57	41	0.218	54	3.15	0.007	0.03	0.2	0.08	9.2	<0.1	<0.05	12	0.8
8250N2750E	Soil			0.167	8	60	1.39	59	0.120	8	2.03	0.012	0.06	0.4	0.06	6.4	<0.1	<0.05	7	0.9
8250N2800E	Soil			0.110	3	31	0.39	56	0.252	<1	1.46	0.006	0.04	0.6	0.06	2.9	<0.1	<0.05	12	0.7
8250N2825E	Soil			0.059	3	37	0.50	78	0.164	<1	1.81	0.007	0.03	0.4	0.05	2.7	<0.1	<0.05	11	0.6
8250N2850E	Soil			0.055	3	31	0.35	36	0.253	<1	1.48	0.008	0.03	0.9	0.03	2.8	<0.1	<0.05	12	<0.5
8250N2875E	Soil			0.057	4	51	0.40	54	0.131	<1	1.61	0.008	0.03	0.6	0.04	2.6	<0.1	<0.05	10	<0.5
8250N2900E	Soil			0.043	4	46	0.66	50	0.106	<1	1.97	0.009	0.03	0.4	0.04	3.3	<0.1	<0.05	10	<0.5
8250N2925E	Soil			0.105	6	47	0.95	63	0.090	3	3.06	0.007	0.03	0.2	0.06	5.6	<0.1	0.06	10	0.6
8250N2950E	Soil			0.111	4	27	0.67	82	0.080	<1	2.22	0.008	0.03	0.2	0.06	3.4	<0.1	0.05	11	<0.5
8250N2975E	Soil			0.140	8	49	1.11	94	0.058	1	2.84	0.009	0.04	0.3	0.09	6.3	0.3	0.08	8	1.5
8250N3000E	Soil			0.093	3	14	0.46	52	0.243	1	1.80	0.009	0.04	0.3	0.08	3.7	<0.1	<0.05	11	<0.5
8250N3025E	Soil			0.093	3	46	0.55	76	0.177	<1	1.67	0.006	0.03	0.4	0.05	3.4	0.3	<0.05	17	1.8
8250N3050E	Soil			0.098	4	24	0.31	49	0.217	<1	1.20	0.005	0.05	0.2	0.06	5.8	<0.1	<0.05	15	3.8
8250N3075E	Soil			0.051	4	49	0.83	54	0.115	2	2.77	0.007	0.03	0.4	0.04	4.2	<0.1	<0.05	12	<0.5
8250N3100E	Soil			0.092	3	37	0.46	77	0.137	<1	1.72	0.008	0.03	0.3	0.10	3.2	<0.1	<0.05	9	<0.5
8250N3125E	Soil			0.067	4	51	1.00	94	0.140	2	2.59	0.008	0.04	0.3	0.04	4.4	<0.1	<0.05	12	<0.5
8250N3150E	Soil			0.127	4	47	0.92	84	0.094	1	2.50	0.006	0.06	0.3	0.08	4.4	<0.1	<0.05	11	<0.5
8250N3175E	Soil			0.053	5	69	1.17	48	0.095	<1	2.29	0.006	0.04	0.3	0.03	4.1	<0.1	<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	
8250N3200E	Soil	1.9	564.6	9.7	107	0.6	44.3	24.7	2187	4.29	13.8	0.7	16.4	0.3	31	0.6	1.0	0.2	123	1.69	
8250N3225E	Soil	2.7	68.6	10.1	69	0.2	14.9	10.8	707	4.87	10.3	0.3	3.6	0.3	18	0.3	0.8	0.4	188	0.23	
8250N3250E	Soil	2.1	67.1	10.3	92	0.3	27.5	15.3	609	5.42	16.5	0.3	8.6	0.3	18	0.3	0.9	0.3	177	0.29	



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CERTIFICATE OF ANALYSIS

SMI09000124.1

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	0.1	0.05	1	0.5	
8250N3200E	Soil	0.091	11	79	1.38	100	0.079	3	2.57	0.011	0.05	0.2	0.12	10.6	<0.1	<0.05	7	1.3
8250N3225E	Soil	0.049	4	47	0.46	96	0.111	<1	1.59	0.009	0.03	0.3	0.03	3.0	<0.1	<0.05	11	<0.5
8250N3250E	Soil	0.065	3	64	0.97	68	0.117	<1	2.22	0.009	0.03	0.3	0.04	3.6	<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: Bigtime

Report Date: August 17, 2009

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QUALITY CONTROL REPORT

SMI09000124.1

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
Pulp Duplicates																				
8250N1525E	Soil	0.7	11.8	7.0	22	0.1	6.1	2.7	110	1.45	3.4	0.2	4.1	0.4	13	<0.1	0.4	0.2	57	0.10
REP 8250N1525E	QC	0.7	12.8	6.7	22	0.1	6.2	2.8	117	1.44	3.1	0.2	6.3	0.4	12	0.1	0.3	0.2	57	0.10
8250N2075E	Soil	1.6	33.2	7.3	50	0.4	16.6	7.6	257	4.47	9.6	0.4	8.1	0.4	10	0.2	0.7	0.1	116	0.10
REP 8250N2075E	QC	1.5	31.7	7.2	51	0.4	16.4	7.0	252	4.30	9.9	0.4	9.8	0.4	10	0.2	0.7	0.2	114	0.09
8250N2575E	Soil	2.5	25.0	10.9	28	0.2	11.5	5.1	154	3.49	9.0	0.3	6.3	0.7	12	0.2	0.9	0.6	152	0.10
REP 8250N2575E	QC	2.5	24.5	10.5	27	0.2	11.1	4.8	148	3.43	8.8	0.3	7.6	0.7	12	0.2	0.8	0.6	151	0.10
8250N3175E	Soil	1.6	138.6	7.5	88	0.1	34.4	19.6	803	4.72	12.0	0.4	11.0	0.3	19	0.4	0.6	0.3	146	0.42
REP 8250N3175E	QC	1.6	150.0	7.4	92	0.1	35.5	20.3	811	4.80	12.9	0.4	12.4	0.3	22	0.4	0.7	0.3	158	0.46
Reference Materials																				
STD DS7	Standard	21.8	102.0	71.0	381	0.9	52.4	9.5	634	2.43	50.4	5.0	68.7	4.6	78	5.9	6.0	4.8	86	1.01
STD DS7	Standard	20.6	102.6	68.7	381	0.9	57.3	9.6	611	2.35	53.6	4.6	63.0	4.3	71	6.8	6.1	4.6	83	0.91
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	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



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 Vancouver BC V6C 2V6 Canada

Project: Bigtime
Report Date: August 17, 2009

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QUALITY CONTROL REPORT

SMI09000124.1

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																		
8250N1525E	Soil	0.033	5	16	0.17	79	0.071	<1	0.86	0.007	0.03	0.2	0.02	1.7	<0.1	<0.05	6	<0.5
REP 8250N1525E	QC	0.038	5	16	0.17	84	0.070	<1	0.98	0.008	0.03	0.1	0.02	1.7	<0.1	<0.05	6	<0.5
8250N2075E	Soil	0.068	4	35	0.45	58	0.065	<1	2.03	0.010	0.04	0.2	0.07	3.0	<0.1	<0.05	8	<0.5
REP 8250N2075E	QC	0.067	4	34	0.42	58	0.063	<1	1.96	0.009	0.04	0.2	0.06	2.9	<0.1	<0.05	7	<0.5
8250N2575E	Soil	0.040	5	51	0.31	45	0.151	1	1.53	0.009	0.03	0.5	0.04	2.3	<0.1	<0.05	11	<0.5
REP 8250N2575E	QC	0.039	5	50	0.30	44	0.149	1	1.48	0.008	0.02	0.5	0.03	2.1	<0.1	<0.05	11	<0.5
8250N3175E	Soil	0.053	5	69	1.17	48	0.095	<1	2.29	0.006	0.04	0.3	0.03	4.1	<0.1	<0.05	8	<0.5
REP 8250N3175E	QC	0.056	5	70	1.25	49	0.108	2	2.50	0.008	0.04	0.2	0.02	4.7	<0.1	<0.05	9	<0.5
Reference Materials																		
STD DS7	Standard	0.070	13	214	0.95	405	0.123	38	1.03	0.100	0.45	4.3	0.19	2.2	4.1	0.17	5	3.6
STD DS7	Standard	0.082	13	198	0.98	406	0.108	35	0.90	0.090	0.46	3.8	0.19	2.2	4.2	0.15	5	3.4
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	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

APPENDIX C
ROCK DESCRIPTIONS

BIGTIME Rock Descriptions

Sample #	Easting	Northing	Alt(m)	Zone	Rock Type	Description
880550	682618	6197357	1762	9	iron oxide shear	iron oxide shear at 254/70N
880551	682456	6197181	1730	9	diorite (?)	Scree sample, iron oxide, no visible Cu, propylitic alteration fine grained diorite(?)
880552	682452	6197143	1691	9	diorite (?)	iron oxide , similar rock to #551
880553	682397	6197032	1683	9	diorite (?)	Mafic tuff (or fine grained Diorite), Cu soil anomaly, 25% outcrop
880554	682358	6196985	1657	9	diorite	Diorite, iron oxide, not magnetic
880555	682270	6197031	1652	9	chert	well bedded chert (black and light colour interbeds), local wacke interbeds
880556	682403	6197113	1650	9	Mafic crystal lapilli tuff	Choritic, tr epidote, chip samples along base of the outcrop
880557	682407	6197161	1630	9	Mafic crystal lapilli tuff	Choritic, tr epidote, chip samples along base of the outcrop, local iron oxides
880558	682405	6197199	1634	9		high grade sample, iron oxide pods with tr malachite and azurite satin, tr ChPy, same as #559
880559	682410	6197200	1649	9	Mafic crystal lapilli tuff	Choritic, tr epidote, chip samples along base of the outcrop, local iron oxides
880560	682383	6197298	1629	9	Mafic crystal lapilli tuff	Choritic, tr epidote, chip samples along base of the outcrop, local iron oxides
880561	682326	6197395	1642	9	Mafic crystal lapilli tuff	<10% qtz vein stringers, mostly parallel at 126/70S in Lapilli tuff
880562	682322	6197430	1640	9	Mafic crystal lapilli tuff	<10% qtz vein stringers, mostly parallel at 126/70S in Lapilli tuff
880563	682294	6197538	1649	9	Felsic intrusive	iron oxide on weathered surface, fine dissem Pyrite
880564	682311	6197653	1661	9	Felsic intrusive	Scree slope, iron oxide on weathered surface, fine dissem Pyrite
880565	682132	6197773	1569	9	diorite (or tuff)	Not magnetic, greenish, Pyrite<1%
880566	682139	6197778	1577	9	Felsic intrusive	Pyrite<2%, no visible Cu
880567	682145	6197766	1575	9	diorite (or tuff)	Not magnetic, greenish, Pyrite<1%
880568	682154	6197762	1579	9	Felsic intrusive	Pyrite<2%, no visible Cu, not magnetic, boxwork after sulphides
880569	682192	6197686	1576	9	diorite (or tuff)	Med. magnetic, greenish, Pyrite<1%,
880570	682185	6197663	1557	9	diorite (or tuff)	Not magnetic, greenish, Pyrite<1%, <5% qtz vein Pyrite<2%, no visible Cu, not magnetic, boxwork after sulphides, Molybdenite, Malachite,
880571	682199	6197681	1575	9	Felsic intrusive	chalcopyrite
880572	682199	6197679	1577	9	diorite (or tuff)	Med. magnetic, greenish, Py<1%, Malachite
880573	682219	6197678	1582	9		Py<2%, no visible Cu, not magnetic, boxwork after sulphides, Py
880574	682687	6198057	1538	9	diorite (or tuff)	Med. magnetic, greenish, Pyrite<1%, Malachite
880575	682701	6198067	1544	9	diorite (or tuff)	Shear zone, iron oxides, Malachite, Azurite
880576	682648	6198025	1562	9	diorite (or tuff)	No visible Cu, tr Pyrite, not magnetic
880577	682376	6197938	1686	9	diorite (or tuff)	Pyrite<2%, magnetic
880578	682452	6197876	1695	9	Felsic intrusive	Pyrite<2%, no visible Cu
880579	682491	6197855	1699	9	diorite (or tuff)	Float/subcrop, Light greenish, limestone beds/lenses and qtz vein stockwork
880580	682660	6197470	1692	9	crystal Lap Tuff (?)	Ankeritic shear zone, iron oxides, pyrite <1%
880581	682639	6197318	1690	9	crystal Lap Tuff (?)	Ankeritic zone, iron oxides, pyrite <2%, local boxwork after sulphides
880582	682719	6197346	1709	9	crystal Lap Tuff (?)	Ankeritic zone, iron oxides, pyrite <1%, Att: 168/60W
880583	682752	6197336	1664	9	Ash Tuff (?) (dacite dike)	Ankeritic zone, iron oxides, pyrite <1%, Att: 168/60W, Source of the Au, Cu anomaly
880584	682758	6197326	1668	9	diorite (or tuff)	Tr. Malachite, 190/80W, hanging wall of the ankeritic zone
880585	682758	6197328	1686	9	Shear	high grade sample, Malachite + iron oxide in pods/shears <0.3m wide, 190/80W
880586	682761	6197348	1677	9	diorite or tuff	Footwall of the iron oxide ankeritic zone
880587	682739	6197311	1663	9	diorite or tuff	Hanging wall of the ankeritic zone (#584), tr malachite
880588	682755	6197289	1729	9	diorite or tuff	Footwall of the iron oxide ankeritic zone, no visible Cu

BIGTIME Rock Descriptions

Sample #	Easting	Northing	Alt(m)	Zone	Rock Type	Description
880589	682713	6197158	1740	9	Ash Tuff (?) (dacite dike)	Ankeritic zone, iron oxides, pyrite <1%, source of the Au, Cu, Ag, As anomaly
880590	682702	6197160	1734	9	diorite or tuff	Hanging wall of the ankeritic zone (#584), tr malachite
880591	682703	6197129	1743	9	Ash Tuff (?) (dacite dike)	Ankeritic shear zone, iron oxides, at 236/60W
880592	682693	6197114	1754	9	crystal Lapilli Tuff (?)	Hanging wall of the ankeritic zone (#584), tr malachite
880593	682701	6197102	1755	9	Diorite Feldspar Prphyry	Subcrop, tr. Pyrite, possibly host of the ankeritic zones
880594	683004	6196986	1680	9	MaficTuff (Diorite)	high grade sample, Malachite <4%, propylitic - epidote rich. Silver mineral - molybdenite (?)
880595	683004	6196988	1680	9	Mafic lapilli Tuff	Mafic tuff, <1% malachite, source of the soil Cu anomaly
880596	682996	6196979	1685	9	Mafic lapilli Tuff	Trace malachite, source of the soil Cu anomaly
880597	682984	6197038	1651	9	MaficTuff (Diorite)	Tr. Malachite, source of the soil Cu anomaly
880598	682972	6196992	1699	9	Mafic lapilli Tuff	Red-hematitic, heterolithic, porphyry and cherty fragments <70%
880599	682835	6197003	1731	9	MaficTuff (Diorite)	Trace malachite
880600	682522	6197208	1729	9		Outcrop on steep west slope, fine grained, greenish-grey fragmental volcanic (mafic crystal tuff), siliceous, trace pyrite, iron staining on fractures.
880601	682514	6197226	1738	9		Outcrop on large bluff west slope, fine grained, greenish-grey fragmental volcanic (mafic crystal tuff), trace pyrite, epidote alteration, qtz. stringers, weak to moderately calcareous.
880602	682459	6197291	1714	9		Outcrop on large bluff west slope, fine grained, greenish-grey fragmental volcanic (mafic crystal tuff), pyrite in stringers, epidote and qtz. carbonate veining
880603	682423	6197341	1694	9		Outcrop on large bluff, light green siliceous crystal tuff w/2cm wide vuggy qtz. epidote veins, 125°/030°NE, trace Pyrite.
880604	682411	6197415	1695	9		Outcrop along west talus slope, 15m wide NS, fractured tan-brown-grey fine grained silicified felsic dyke w/diss. Pyrite. throughout.
880605	682402	6197509	1679	9		Outcrop along west talus slope, fractured tan-brown-maroon fine grained silicified felsic dyke w/diss. Pyrite. and qtz. stringers throughout.
880606	682347	6197662	1640	9		Outcrop at top of west talus slope, fractured rusty orange-tan-brown fine grained silicified weathered crystal tuff/qtz. stockwork w/finely diss. Pyrite. throughout.
880607	682336	6197671	1643	9		Outcrop at top of west talus slope, fractured rusty orange-tan-brown fine grained silicified felsic dyke w/qtz. carbonate veinlets, 1% diss. Pyrite. throughout.
880608	682262	6197721	1626	9		Subcrop on small SW talus slope, fractured light grey silicified felsic dyke, weathered orange-tan-brown, diss. pyrite and chalcopyrite to 2%, minor malachite and chrysocolla staining, also hematite staining along fractures.
880609	682218	6197735	1611	9		Subcrop, fractured light grey silicified felsic dyke, weathered orange-tan-brown, diss. Pyrite. and banded Pyrite. throughout to 1%.
880610	682174	6197758	1593	9		Outcrop at top of west talus slope, dark grey, fine grained silicified mafic pyroxene porphyry, w/narrow 4-5cm wide NE mineralized vuggy oxidized veins/structures?
880611	682280	6197579	1605	9		Subcrop on weathered rocky bluffs, fractured light grey silicified felsic dyke, weathered orange-tan-brown, diss. Pyrite. limonite staining along fractures, weakly calcareous.
880612	682290	6197539	1615	9		Outcrop at top of small talus slope, fractured rusty orange-tan-brown fine grained grey silicified felsic dyke w/finely diss. Pyrite. throughout and in stringers.
880613	682402	6197264	1654	9		Outcrop at base of bluff, tan-brown weathered fine grained grey-white felsic dyke, limonite stained fractures, trace Pyrite. moderately calcareous.
880614	682397	6197840	1702	9		Outcrop at top of ridge, narrow NE structure, intensely oxidized, rusty fractured altered mafic volcanic.

BIGTIME Rock Descriptions

Sample #	Easting	Northing	Alt(m)	Zone	Rock Type	Description
880615	682323	6197871	1697	9		Outcrop at top NW end of ridge, NE structure, dark greenish-black fine grained silicified mafic volcanic,diss.Pyrite.hematite rich.
880616	682335	6197978	1685	9		Outcrop at top NW end of ridge, NE structure, dark greenish-black fine grained silicified diorite dyke,diss.Pyrite.along fractures.
880617	682317	6198038	1642	9		Outcrop, large bluff on north slope, dark greenish-black fine grained silicified diorite dyke,diss.Pyrite.throughout and along fractures,abundant iron staining.
880618	682369	6198067	1612	9		Outcrop, large bluff on north slope, narrow rusty mineralized shear zone,altered volcanic.
880619	682390	6198071	1606	9		Outcrop, large bluff on NE slope,greymaroon fine grained silicified mafic volcanic, hematite stained,qtz.carbonite,epidote,diss.Pyrite.throughout.
880620	682527	6198031	1575	9		Outcrop at base of large bluff, fine grained grey-green,silicified fractured felsic dyke, limonite stained fractures,trace Pyrite.moderately calcareous.
880621	682619	6197982	1584	9		Outcrop at large gossan on north facing bluff,black fine grained silica flooded dyke? fractured w/malachite, chrysocolla and azurite along fractures,chalcopryite flooded.
880622	682617	6198002	1587	9		Outcrop at large gossan on north facing bluff,black fine grained silica flooded dyke? fractured w/malachite, chrysocolla and azurite along fractures,chalcopryite flooded.
880623	682626	6198013	1593	9		Outcrop at large gossan on north facing bluff, 25mx25m, black fine grained silica flooded felsic dyke? 5% diss.Pyrite.throughout and in stringers, hematite staining along fractures.
880624	682695	6197385	1722	9		Outcrop, narrow 1m wide shear zone, 120°/SE, fractured iron stained grey fine grained crystal tuff, w/diss.Pyrite.throughout.
880625	682641	6197157	1773	9		Outcrop, narrow EW shear zone, fractured iron stained greenish-grey fine grained altered felsic dyke, w/finely diss.Pyrite.throughout.
880626	683486	6196731	1689	9		Outcrop at top of large Gossan bluff on NE slope,tan-brown limonitic,fractured quartz flooded plagioclase porphyry dyke.
880627	683073	6196940	1678	9		Outcrop at top of bluff on east slope,narrow 2-4cm wide qtz.epidote veins,085°/055°SW, in a fine grained green crystal tuff, minor chalcopryite.and malachite staining on fractures.
880628	683006	6196973	1687	9		Outcrop below ridge on NE slope of bluff, at contact with plagioclase maroon fragmental and fine to medium grained green fragmental, 6cm wide qtz.carbonate vein, 045°/090°, diss.malachite throughout.
880629	682958	6197031	1675	9		Outcrop below ridge on NE slope of bluff, green-grey fine to medium grained fragmental,epidote alteration/veining with malachite staining on fractures,trace chalcopryite.moderately magnetic, 118°/035°SW fractures.
880630	682805	6197352	1621	9		Outcrop at base of bluff on SE slope,small 1mx3m wide mineralized-oxidized shear zone,altered fine grained greenish-grey crystal tuff, 2% diss.Pyrite.throughout
880631	683000	6196945	1702	9		Subcrop at top of ridge, medium grained maroon fragmental volcanic(wacke), w/narrow veinlet or fracture coated with malachite and azurite.
880632	682187	6197727	1593	9		Outcrop on west facing talus slope, fine grained grey silicified felsic dyke,diss.pyrite and chalcopryite to 1% throughout,limonite/hematite staining and minor malachite on fractures.
880633	682426	6197069	1670	9		Subcrop on west slope,tan-brown coated,fine grained light grey silicified felsic dyke(crystal tuff), diss.Pyrite.throughout and in stringers,weakly calcareous.
880634	682407	6197099	1650	9		Outcrop on west slope of bluff,tan-grey medium to coarse 3cm-6cm wide calcite vein,136°/090°,w/aggregates if specular hematite and on fractures.
880635	682378	6197005	1656	9		Outcrop on west slope,2cm-3cm oxidized mineralized shear zone,fine grained greenish-grey silicified crystal tuff,diss.Pyrite.throughout to 1%,abundant iron and manganese staining on fractures.

BIGTIME Rock Descriptions

Sample #	Easting	Northing	Alt(m)	Zone	Rock Type	Description
880636	682020	6197501	1523	9		Outcrop in north draining creek,medium to coarse grained qtz.porphry intrusion,limonite/hematite stained,minor Pyrite.throughout.
880637	682014	6197528	1516	9		Outcrop in north draining creek,medium to coarse grained salmon pink qtz.porphry intrusion,limonite/hematite stained,minor chalcopryrite.and trace malachite,dominate fractures 180°/080°W.
880638	682012	6197535	1517	9		Outcrop in north draining creek,medium to coarse grained creamy white qtz.porphry intrusion,minor chalcopryrite.and diss. Malachite throughout and along fractures.
880639	682137	6197737	1562	9		Outcrop on west slope of talus slope,tan-brown iron stained,fine grained silicified felsic dyke,diss.pyrite chalcopryrite and malachite staining.
880640	682173	6197700	1570	9		Outcrop on west facing talus slope, medium to coarse grained greyish-white qtz.porphry intrusion, diss.malachite throughout,qtz.eyes.
880641	681867	6197706	1466	9		Outcrop in creek draining NE, light grey fine grained silicieous felsic dyke,diss.Pyrite.throughout, trace chalcopryrite
880642	681936	6197660	1480	9		Outcrop in creek draining NW,dark green fine to meduim grained porphoritic mafic volcanics,silicified, diss.pyrite to 1%, minor diss.chalcopryrite throughout,hematite staining on fractures.
880643	682025	6197473	1529	9		Outcrop in creek draining NW, tan-brown -orange medium grained qtz.porphry intrusive, diss.pyrite, trace chalcopryrite, minor diss.chalcopryrite, trace malachite staining on fractures.
880644	683002	6197065	1637	9		Outcrop on bluffon NE slope,greenish-grey fine grained crystal tuff,4cm-6cm wide vein/shear zone,diss.pyrite, chalcopryrite, minor malachite staining on fractures.
880645	682166	6197711	1572	9		Outcrop on west facing talus slope,start 1m chip sample heading 160'south-east, fractured altered silicified felsic dyke,fe/ox,trace of pyrite chalcopryrite.and malachite staining.
880646	682167	6197710	1573	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, fractured altered silicified felsic dyke,fe/ox,trace of pyrite chalcopryrite and malachite staining.
880647	682168	6197710	1572	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, fractured altered silicified felsic dyke,fe/ox,trace of pyrite, chalcopryrite, and malachite staining,extremely oxidized,green matrix.
880648	682168	6197709	1572	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, fractured altered silicified felsic dyke,fe/ox,trace of pyrite, chalcopryrite, and malachite staining,extremely oxidized, creamy-tan coloured.
880649	682169	6197708	1572	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, fractured altered silicified felsic dyke,fe/ox,trace of pyrite, chalcopryrite, and malachite staining, light green,gouge zone,@ contact with intrusion.
880650	682169	6197707	1572	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, @contact start qtz.porphry intrusion,medium to coarse grained bleached white-grey iron stained,fractured and weathered.
880651	682170	6197707	1573	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained bleached white-grey iron stained,fractured and weathered.
880652	682170	6197706	1571	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey iron and malachite staining on fractures.
880653	682170	6197705	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey iron and malachite staining on fractures.
880654	682171	6197705	1571	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey iron and malachite staining on fractures.

BIGTIME Rock Descriptions

Sample #	Easting	Northing	Alt(m)	Zone	Rock Type	Description
880655	682171	6197704	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey iron and malachite staining on fractures.
880656	682172	6197704	1571	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey. less iron and malachite staining on fractures.
880657	682172	6197703	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey. less iron and malachite staining on fractures.
880658	682173	6197703	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey. less iron and malachite staining on fractures.
880659	682172	6197702	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey. less iron and malachite staining on fractures.
880660	682172	6197701	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey. less iron and malachite staining on fractures,becoming less weathered.
880661	682173	6197700	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.
880662	682173	6197699	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.
880663	682174	6197699	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.
880664	682174	6197698	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.malachite throughout,iron rich,crumble zone.
880665	682174	6197697	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.malachite throughout,iron rich,crumble zone.
880666	682174	6197696	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely abundant malachite throughout,less weathered.
880667	682174	6197695	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely abundant malachite throughout,less weathered.
880668	682174	6197694	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.
880669	682174	6197693	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.
880670	682174	6197692	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely trace chalcopryrite.malachite staining throughout,weathered,fe/ox.

BIGTIME Rock Descriptions

Sample #	Easting	Northing	Alt(m)	Zone	Rock Type	Description
880671	682175	6197691	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely trace chalcopryrite.malachite staining throughout,weathered,fe/ox.
880672	682175	6197690	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely trace chalcopryrite.malachite staining throughout,weathered,fe/ox.
880673	682176	6197690	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.
880674	682176	6197689	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely trace chalcopryrite.malachite staining throughout,weathered,fe/ox.
880675	682177	6197688	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely trace chalcopryrite.malachite staining throughout,weathered,fe/ox.
880676	682177	6197687	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely trace chalcopryrite.malachite staining throughout,weathered,fe/ox.crumble zone.
880677	682177	6197686	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.
880678	682178	6197686	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.
880679	682179	6197685	1570	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east, qtz.porphry intrusion,medium to coarse grained light grey,finely diss.chalcopryrite.malachite staining throughout.@contact with fine grained green-grey volcanics?
880680	682179	6197684	1568	9		Outcrop on west facing talus slope, 1m chip sample heading 160'south-east,fine grained green-grey volcanics?finely diss.pyrite, chalcopryrite, malachite staining throughout.End continous 1m chip sample.
880681	682429	6197058	1677	9		Outcrop bluff on west slope,10m chip sample @160'SE across slope,fine grained green-grey volcanics?diorite?
880682	682432	6197054	1682	9		Outcrop bluff on west slope,2m chip sample @140'SE across slope,medium grained light greenish-white qtz.porphry intrusion,diss.Pyrite.
880683	682431	6197047	1683	9		Outcrop bluff on west slope,10m chip sample @180'South across slope,fine grained green volcanics/diorite?diss.Pyrite.
880684	682621	6197981	1597	9		Outcrop bluff on north slope,west facing,start 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?diss.pyrite, chalcopryrite, malachite staining,weakly calcareous,cu/ox.
880685	682620	6197986	1595	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?diss.pyrite, chalcopryrite, abundant malachite and azurite staining,weakly calcareous,cu/ox.
880686	682618	6197994	1590	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?diss.pyrite, chalcopryrite, abundant malachite and azurite staining,weakly calcareous,cu/ox.

BIGTIME Rock Descriptions

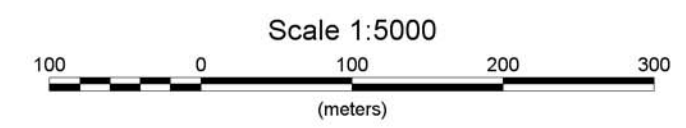
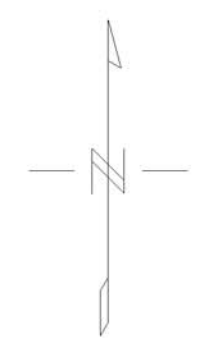
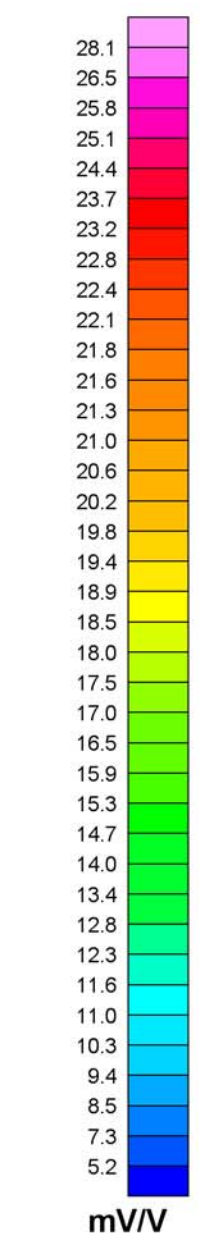
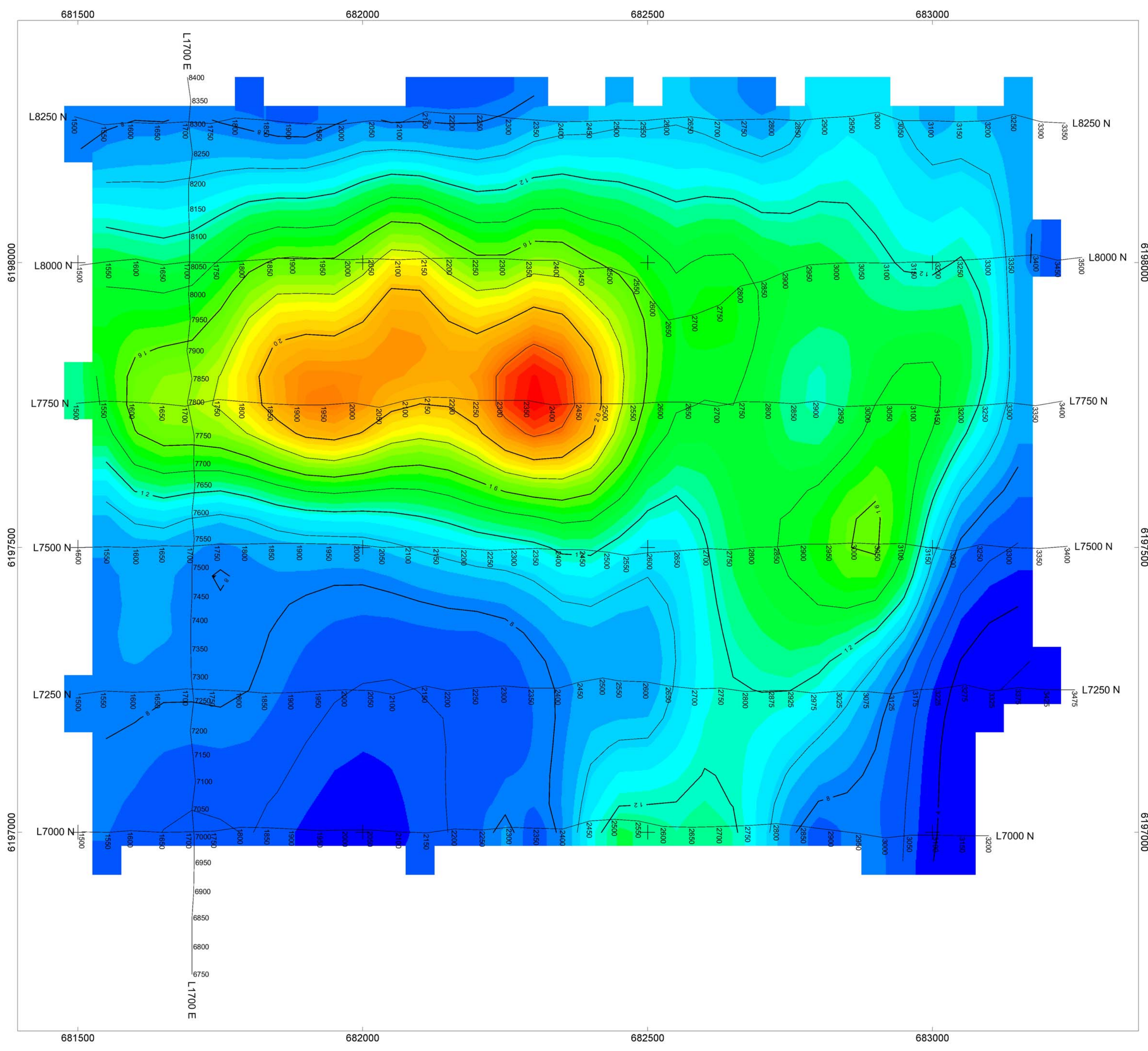
Sample #	Easting	Northing	Alt(m)	Zone	Rock Type	Description
880687	682624	6197995	1587	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?diss.pyrite, chalcopyrite, abundant malachite and azurite staining,weakly calcareous,cu/ox.
880688	682628	6197995	1584	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?diss.pyrite, chalcopyrite, abundant malachite and azurite staining,weakly calcareous,cu/ox.
880689	682622	6198006	1577	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?diss.pyrite, chalcopyrite, abundant malachite and azurite staining,weakly calcareous,cu/ox.
880690	682622	6198013	1574	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?diss.pyrite, chalcopyrite, abundant malachite and azurite staining,weakly calcareous,cu/ox.
880691	682625	6198016	1572	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?more pyritic,abundant iron staining.
880692	682625	6198021	1569	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?more pyritic,abundant iron staining,brecciated.
880693	682626	6198026	1566	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,black-grey fine grained fractured qtz.flooded intrusive?more pyritic,abundant iron staining,brecciated.
880694	682627	6198028	1563	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,green-grey fine grained volcanics?less silicification,diss.Pyrite.
880695	682639	6198032	1566	9		Outcrop bluff on north slope,west facing, 5m continuous chip sample heading north down slope,green-grey fine grained volcanics?less silicification,diss.Pyrite.End 5m chip sample.
880697	682785	6197032	1727	9	Ash Tuff (?) (dacite dike)	Ankeritic shear zone, iron oxides, at 268/62W
880698	683442	6196700	1679	9	Wackie (or intrusive ?)	iron oxide, ankeritic zone, sample taken at the base of the cliff
880699	683465	6196754	1595	9	feldspar porphyry intrusive dike	tr iron oxide., fine grained, silic.
880700	683468	6196728	1632	9	Dacitic feldspar porphyry intrusive	
880701	683422	6196719	1677	9	Mafic/intermed. tuff	Purple wacke (similar colour to #598)
880702	683528	6196770	1680	9	Dacitic feldspar porphyry intrusive	tr iron oxide., fine grained, siliceous
880703	682680	6196832	1729	9	Tuff (or intrusive)	iron oxide zone (shear zone parallel to the gully), subcrop, Pyrite<3%
880704	682297	6197554	1620	9	Felsic intrusive	Soil station 2300E/7550N, grab #612, iron oxide, ankeritic
880705	682279	6197566	1607	9	Tuff (?)	Not oxidized, greenish, J:060/70E
880706	682277	6197604	1607	9	Felsic intrusive	iron oxide feldspar dike, disem Pyrite<1%, tr Mal, moly (?)
880707	682212	6197626	1567	9	Qtz Felsic Porphyry intrusive	iron oxide, yellowish, <1% qtz vein
880708	682406	6196332	1711	9	ash tuff	Cherty, Pyrite<2%
880709	682444	6196117	1702	9	granodiorite	No visible sulphides, magnetic
880710	682716	6195092	1584	9	Monzonite	Subcrop, Magnetic, K-feldspar
880711	682678	6194878	1610	9	Monzonite	Subcrop, Magnetic, K-feldspar, tr. Pyrite
880712	682685	6194538	1636	9	granodiorite	Scree slope, grey white, fine and coarse grained
880713	682544	6194102	1803	9	granodiorite	iron oxides
880714	682256	6194037	1754	9	granodiorite	iron oxides, Joint:184/80W

BIGTIME Rock Descriptions

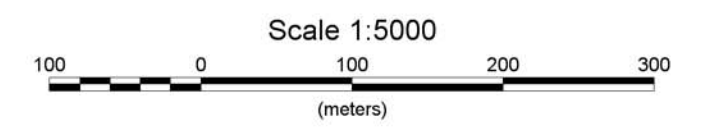
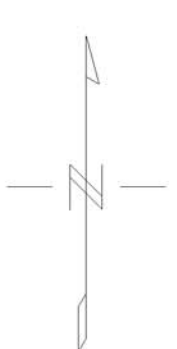
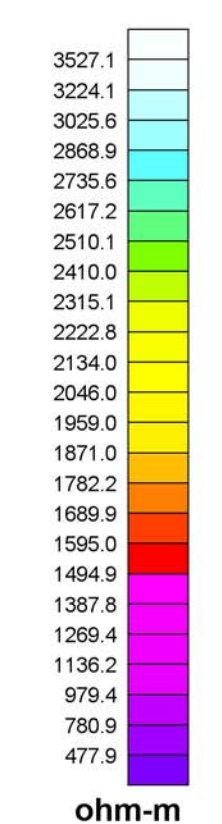
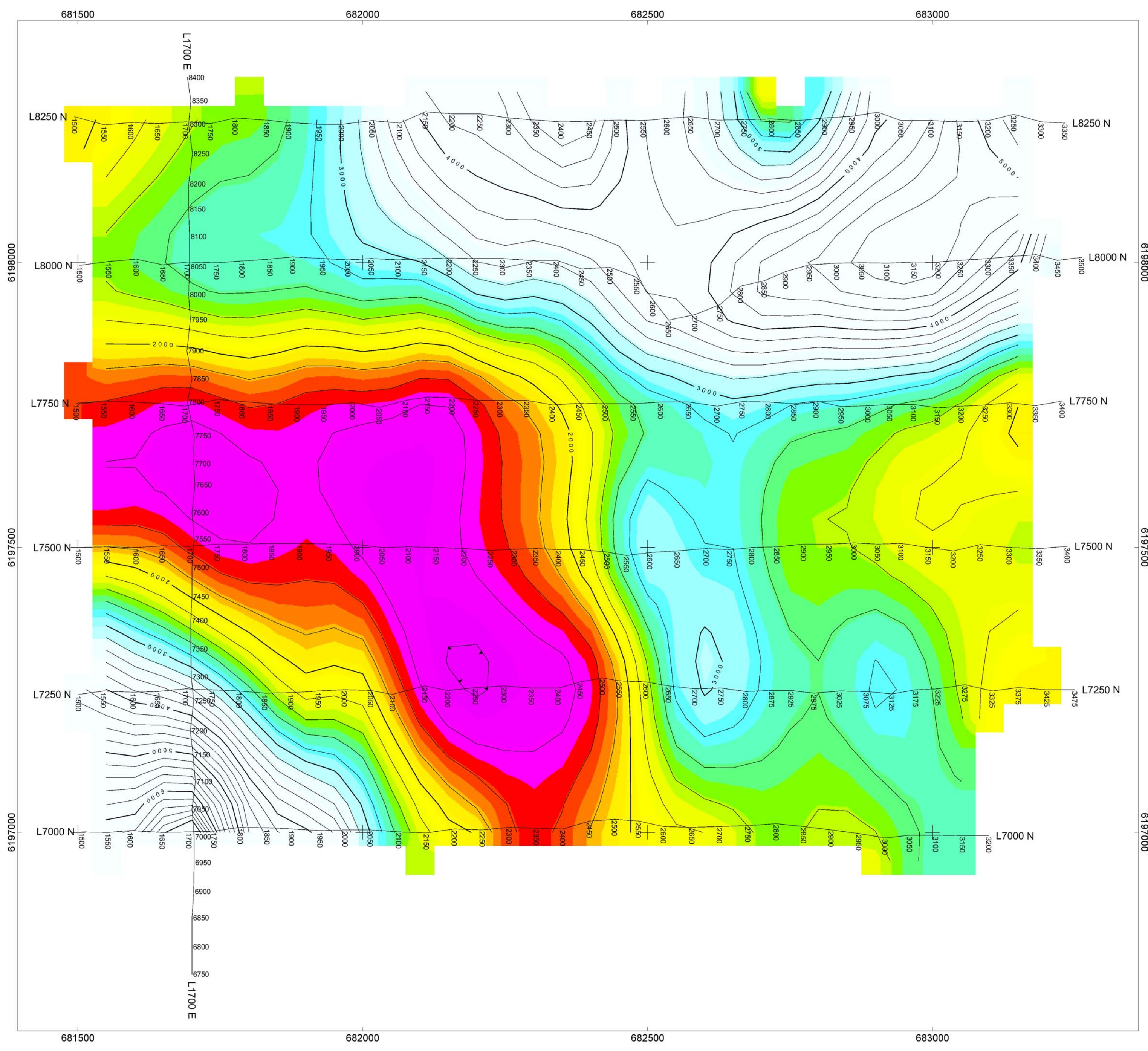
Sample #	Easting	Northing	Alt(m)	Zone	Rock Type	Description
880715	682052	6194028	1737	9	Quartzite	Quartzite, Joint:1909/72W
880716	682752	6194233	1807	9	granodiorite	Same as #712 & 714
880721	681990	6199313		9		Outcrop Cu oxide, sheared felsic dyke, 1m represented chip.
880722	681123	6198832		9		Outcrop, qtz.porphyrritic intrusion.2-3% disseminated Pyrite.2-4% (possible moly,)diss.hematite.
880723	682580	6199350	1128	9		Outcrop bluff in creek gulley,south side, fine grained grey-green silicified siltstone, 25m representative chip sample.
880724	682505	6199375	1132	9		Outcrop in creek gulley, north side, fine grained grey-orange, cherty siltstone @ or near contact.10m rep.chip.
880725	682386	6199387	1137	9		Outcrop in creek gulley, north side, fine grained grey-orange, cherty siltstone,finely diss.Pyrite.in stringers,abundant iron staining on fractures. 20m rep.chip sample.
880726	682334	6199396	1139	9		Outcrop in creek gulley,south side,fine grained orange-grey cherty siltstone, w/narrow 3cm-6cm rusty shear zone.(1-2% diss.pyrite Throughout.) 5m rep.chip sample.
880727	682208	6199378	1167	9		Outcrop in creek gulley @ waterfalls,fine grained orange-grey cherty siltstone,w/finely diss.Pyrite.throughout and in stringers,iron staining along fractures/bedding,130'/090', 30m rep.chip sample.
880728	682076	6199401	1174	9		Outcrop @ second waterfall in creek gulley,tan-orange-grey felsic dyke,weakly calcareous,diss.Pyrite.throughout and in stringers,30m rep.chip sample.
880729	682042	6199385	1183	9		Outcrop in creek gulley,tan-orange-grey felsic dyke,clay altered, limonite/iron stained fractures, weathered Pyrite.throughout, trace malachite/azurite, 25m rep.chip sample.
880730	682014	6199382	1184	9		Outcrop in creek gulley,black-grey fine grained diorite dyke, 5m rep.chip sample.
880731	682007	6199354	1189	9		Outcrop in creek gulley, tan-orange-grey silicified felsic dyke,diss.Pyrite.in stringers and fractures,10m rep.chip sample.
880732	681996	6199345	1187	9		Outcrop in creek gulley, south side @ contact w/copper showing #1 (downstream), fine grained grey silicified felsic dyke,diss.Pyrite.throughout,fractured, 5m rep.chip sample.
880733	682003	6199337	1190	9		Outcrop in creek gulley, copper showing #1, 1m wide 145'/075'SW, fine grained grey silicified,brecciated felsic dyke,(shear zone) w/diss.pyrite, chalcopyrite, malachite staining along fractures and weathered surfaces, 1m rep.chip sample.
880734	682005	6199329	1193	9		Outcrop in creek gulley, @ contact w/copper showing #1,(upstream) fine grained grey silicified felsic dyke,diss.Pyrite.minor iron staining on fractures,3m rep.chip sample.
880735	681947	6199322	1191	9		Outcrop in creek gulley on north side, tan-orange-grey,silicified felsic dyke,trace Pyrite.iron stained fractures, 5m rep.chip sample.
880736	681653	6199294	1207	9		Outcrop in creek gulley on north side, medium to fine grained green-maroon volcanics, crystal tuffs? w/carbonate stringers,throughout, 5m rep.chip sample.
880737	682400	6197268	1640	9		Outcrop bluff on west slope,narrow N-S shear zone? Fine grained grey crystal tuff,diss.pyrite, chalcopyrite, w/minor malachite staining on weathered surfaces.

APPENDIX D

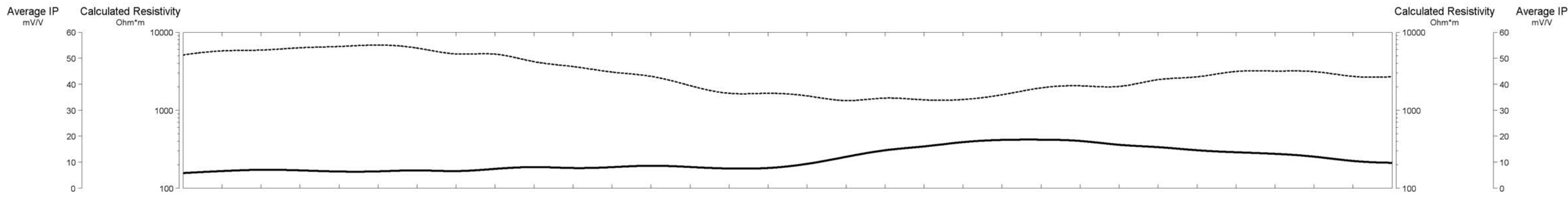
INDUCED POLARIZATION MAPS AND PSEUDOSECTIONS



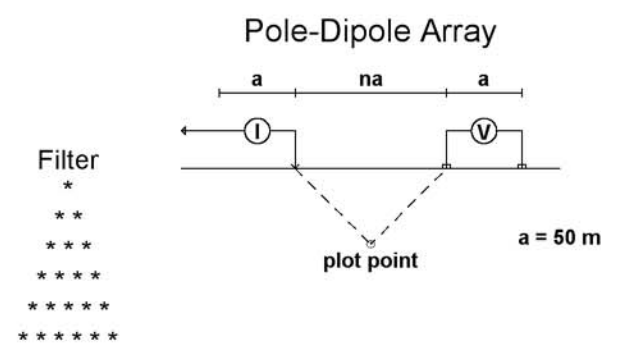
AMARC RESOURCES INC.
 INDUCED POLARIZATION SURVEY
 CONTOURS OF APPARENT CHARGEABILITY (mV/V)
 21 Point Filter
 BIG TIME PROJECT
 AUGUST 2009
 PETER E. WALCOTT & ASSOCIATES LIMITED



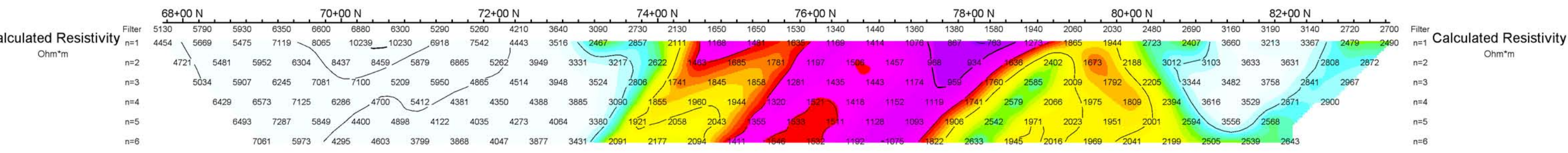
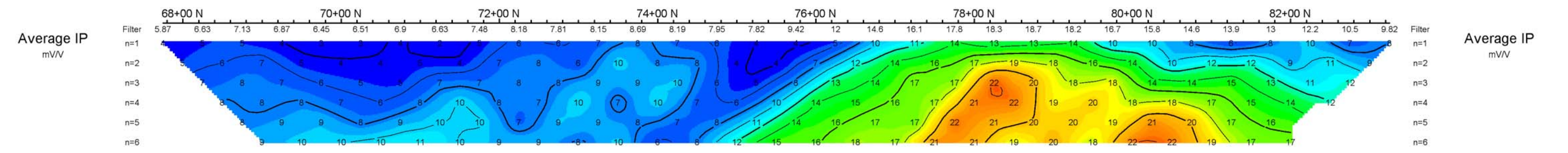
AMARC RESOURCES INC.
 INDUCED POLARIZATION SURVEY
 CONTOURS OF APPARENT RESISTIVITY (ohm-m)
 21 Point Filter
 BIG TIME PROJECT
 AUGUST 2009
 PETER E. WALCOTT & ASSOCIATES LIMITED



17+00 E



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

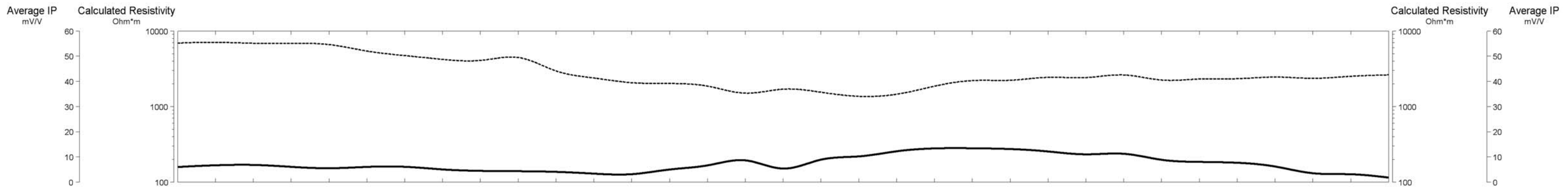


INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.

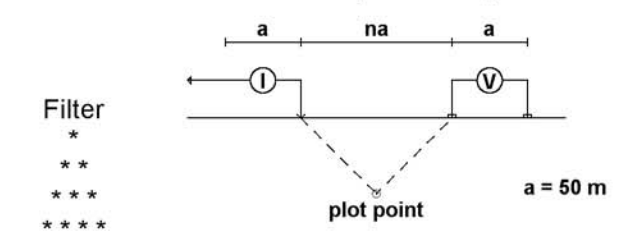
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AMARC RESOURCES LTD.
 INDUCED POLARIZATION SURVEY
 BIG TIME PROJECT
 Date: AUGUST 2009
 Interpretation:
 PETER E. WALCOTT & ASSOCIATES LIMITED



70+00 N

Pole-Dipole Array



Filter
*
**

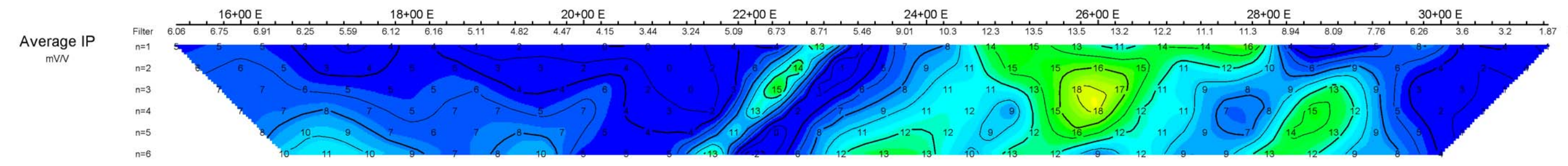
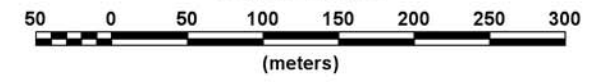
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Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

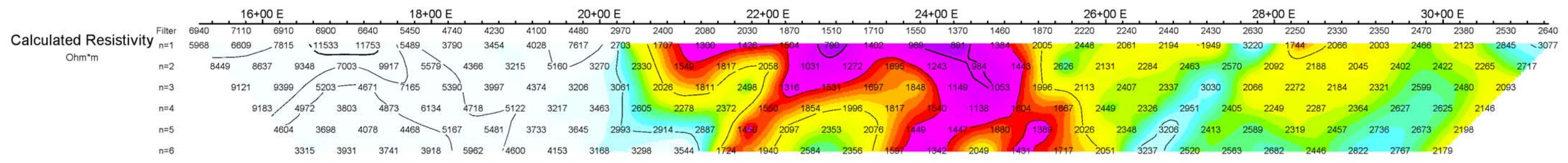
INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.

Scale 1:5000



Average IP
mVV



Calculated Resistivity
Ohm*m

AMARC RESOURCES LTD.

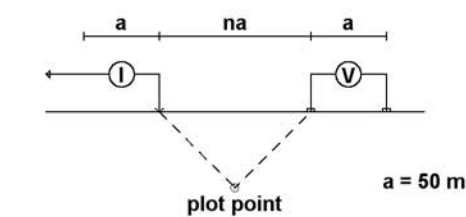
INDUCED POLARIZATION SURVEY
BIG TIME PROJECT

Date: AUGUST 2009
Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

72+50 N

Pole-Dipole Array



Filter
*
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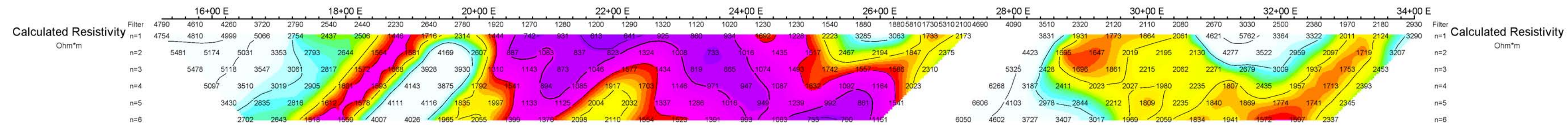
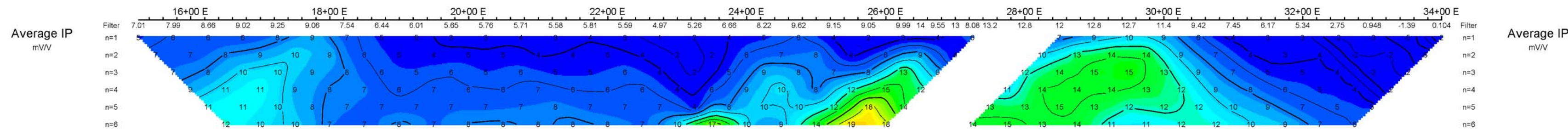
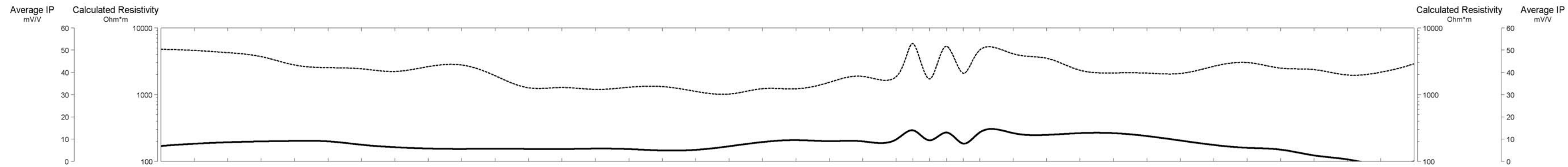
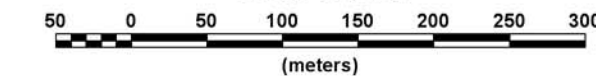
a = 50 m

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.

Scale 1:5000



AMARC RESOURCES LTD.

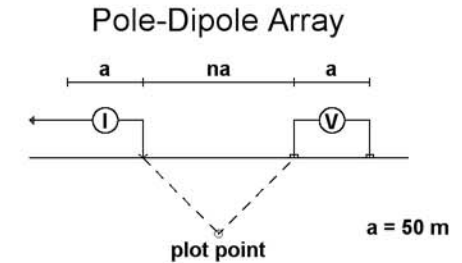
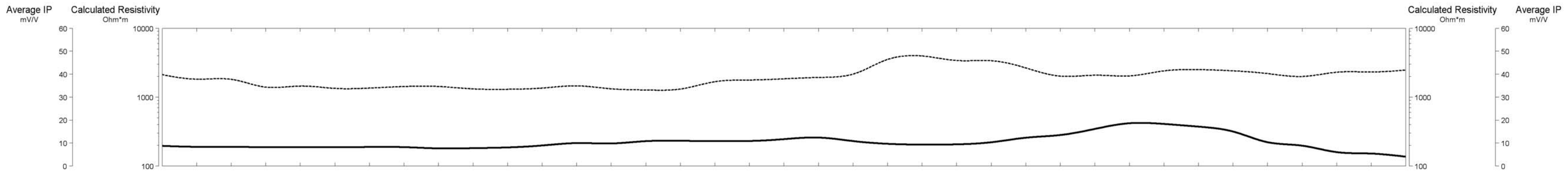
INDUCED POLARIZATION SURVEY
BIG TIME PROJECT

Date: AUGUST 2009

Interpretation:

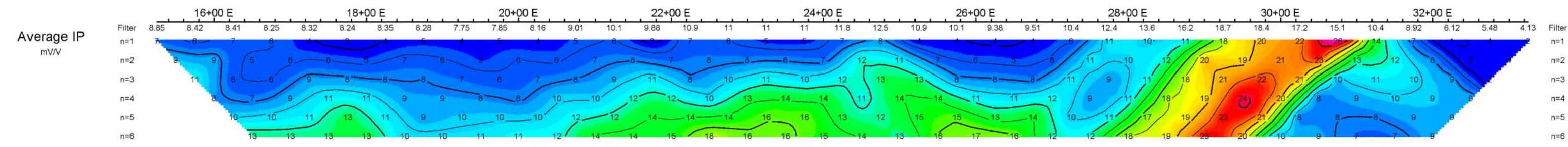
PETER E. WALCOTT & ASSOCIATES LIMITED

75+00 N

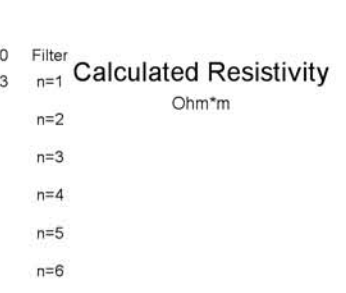
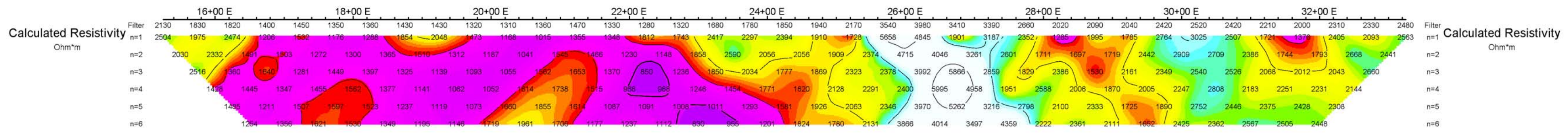
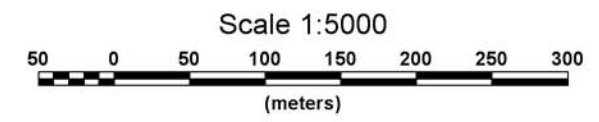


Filter
*
**

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

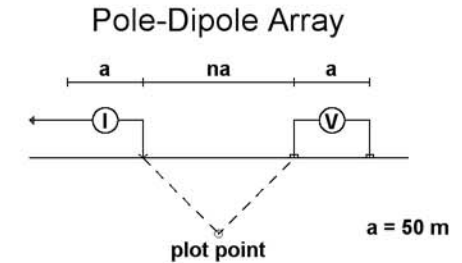
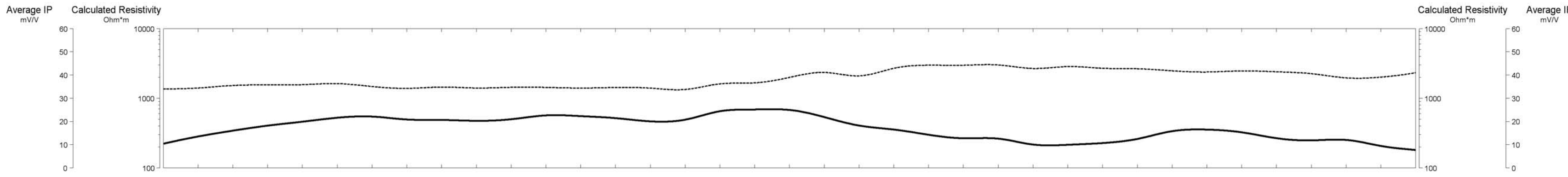


- INTERPRETATION**
- Well defined, strong increase in polarization with or without marked decrease in resistivity.
 - Fairly well defined moderate increase in polarization.
 - Fairly well defined weak increase in polarization.
 - Resistivity feature.



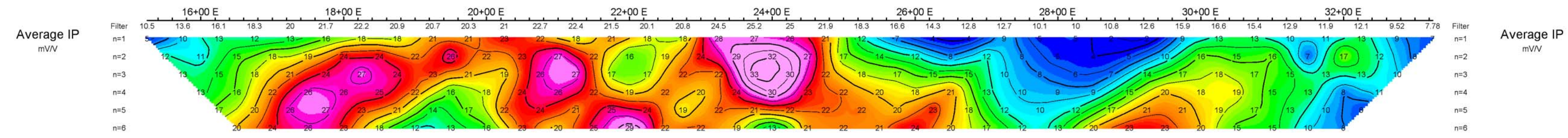
AMARC RESOURCES LTD.
 INDUCED POLARIZATION SURVEY
 BIG TIME PROJECT
 Date: AUGUST 2009
 Interpretation:
 PETER E. WALCOTT & ASSOCIATES LIMITED

77+50 N



Filter
*
**

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...



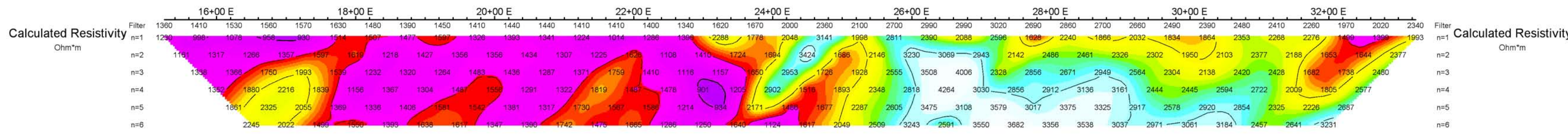
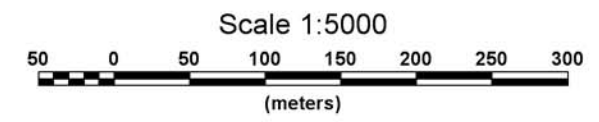
INTERPRETATION

Well defined, strong increase in polarization with or without marked decrease in resistivity.

Fairly well defined moderate increase in polarization.

Fairly well defined weak increase in polarization.

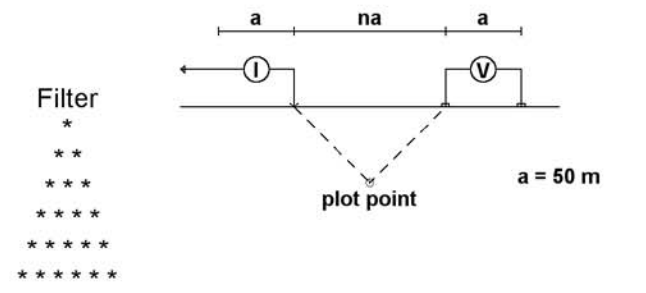
Resistivity feature.



AMARC RESOURCES LTD.
INDUCED POLARIZATION SURVEY
BIG TIME PROJECT
Date: AUGUST 2009
Interpretation:
PETER E. WALCOTT & ASSOCIATES LIMITED

80+00 N

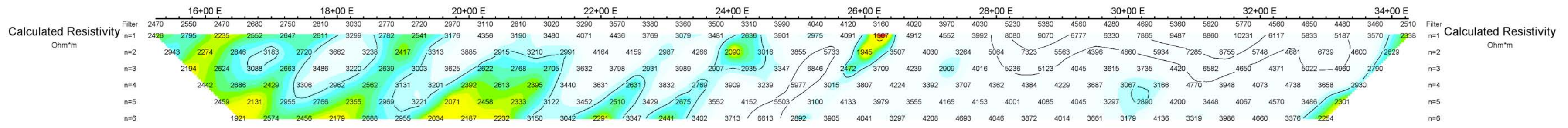
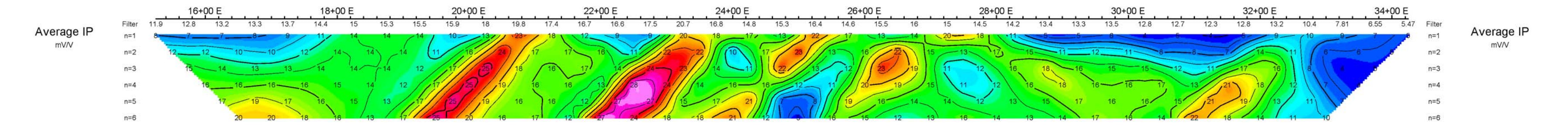
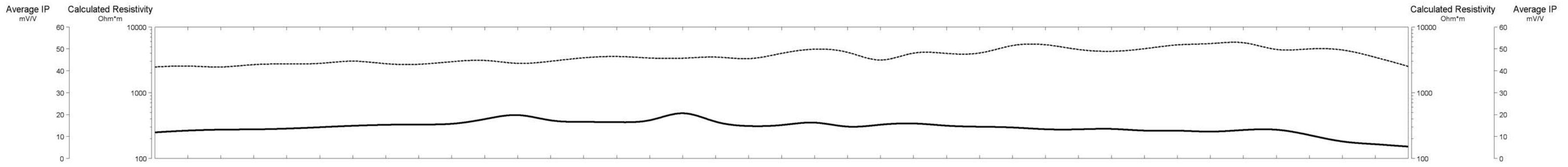
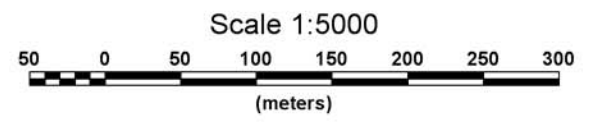
Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

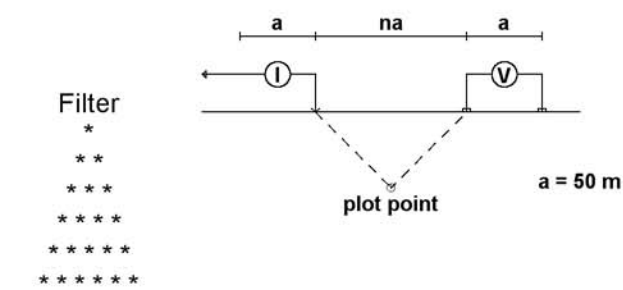
- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.



AMARC RESOURCES LTD.
 INDUCED POLARIZATION SURVEY
 BIG TIME PROJECT
 Date: AUGUST 2009
 Interpretation:
 PETER E. WALCOTT & ASSOCIATES LIMITED

82+50 N

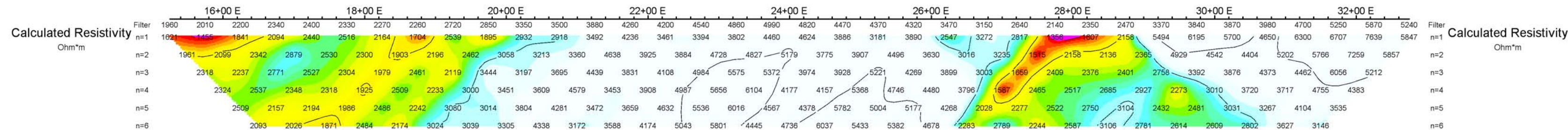
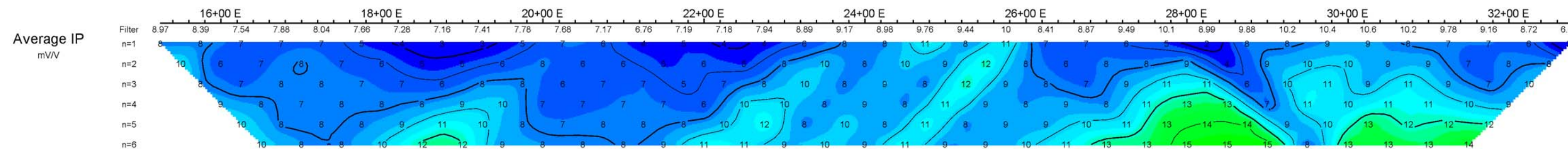
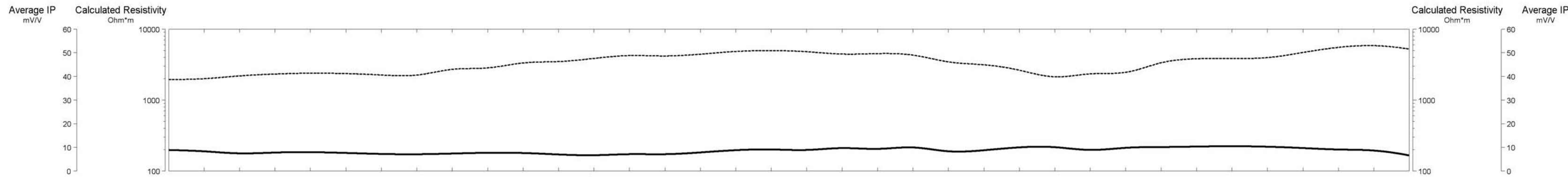
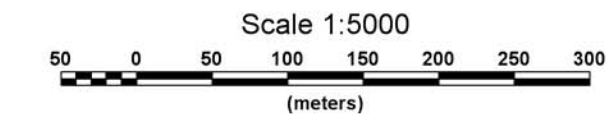
Pole-Dipole Array



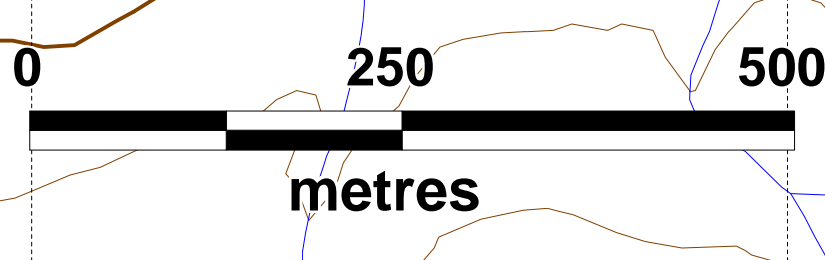
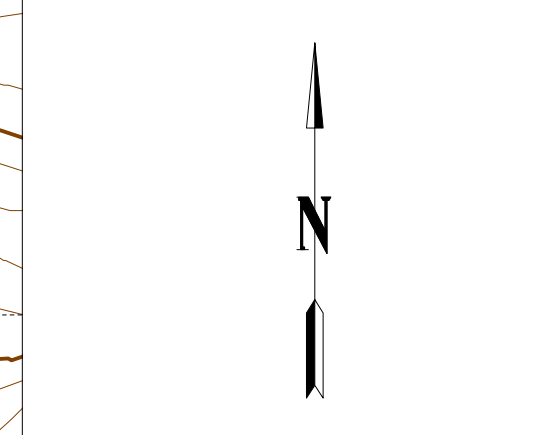
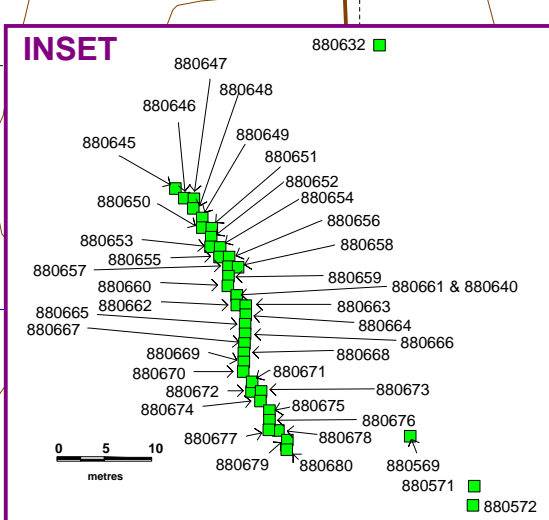
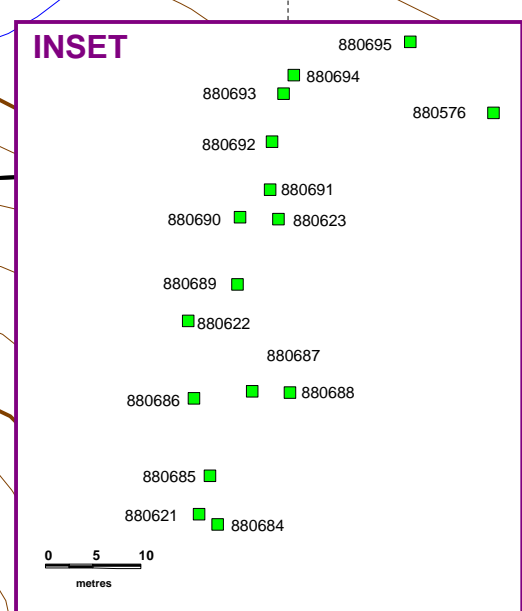
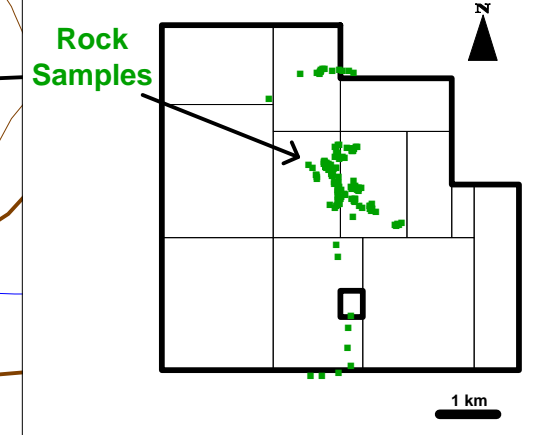
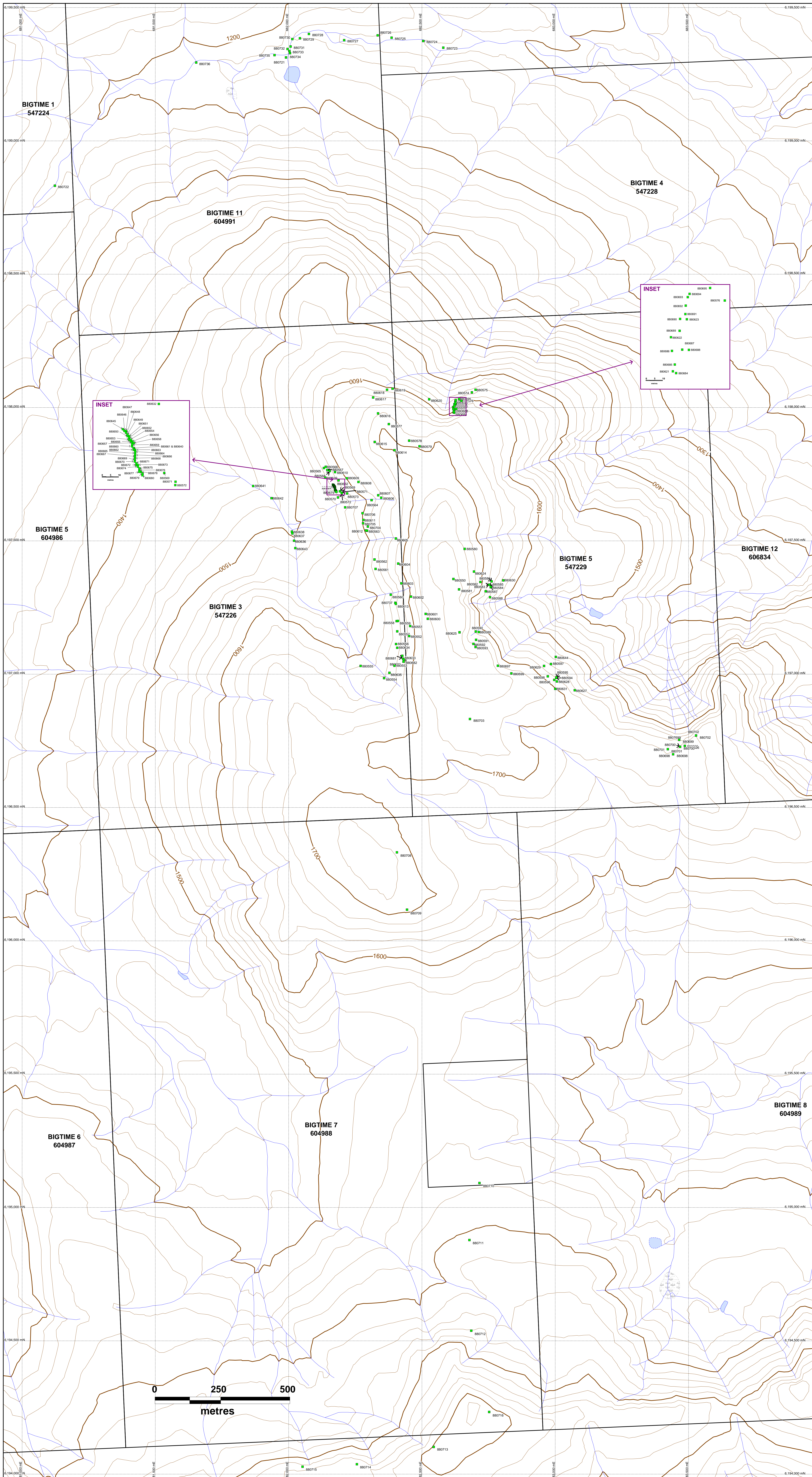
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

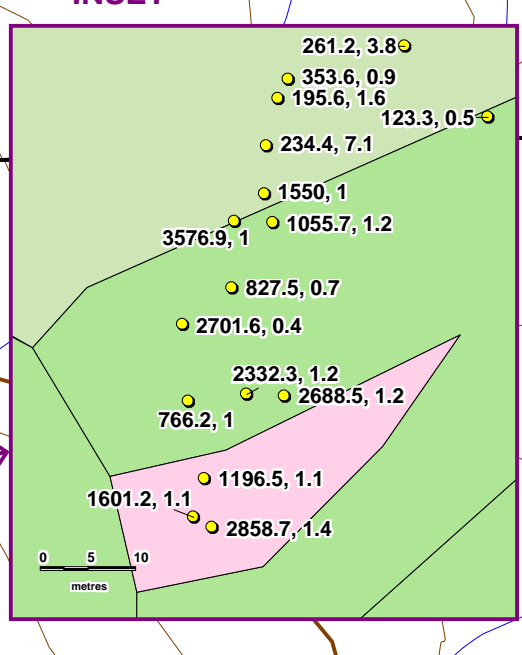
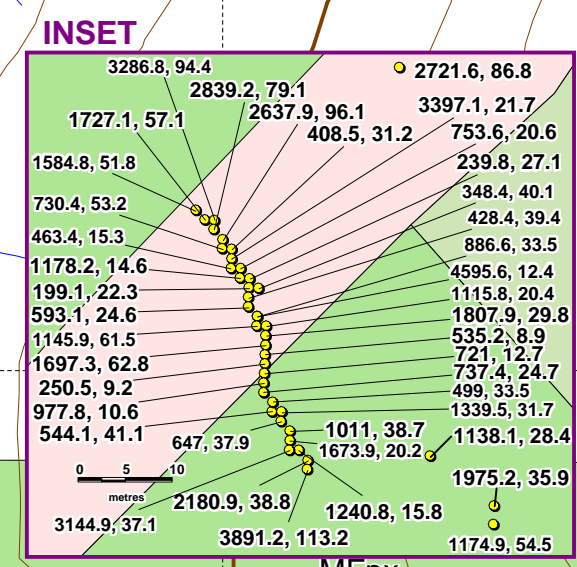
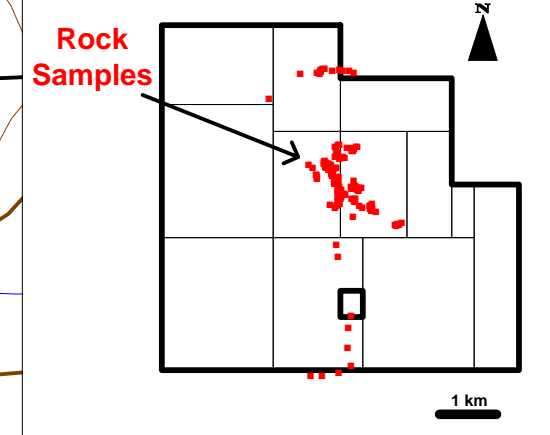
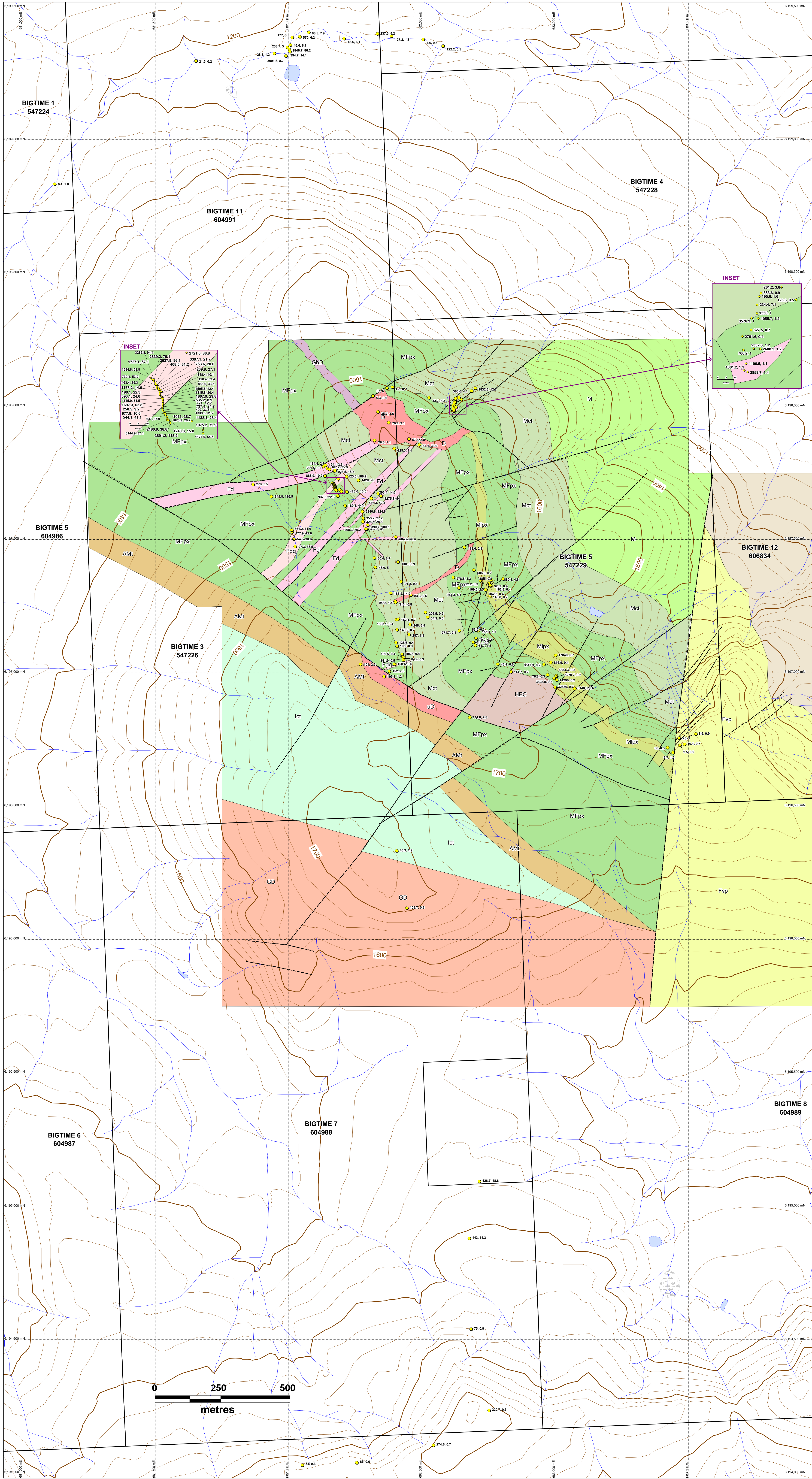
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AMARC RESOURCES LTD.
 INDUCED POLARIZATION SURVEY
 BIG TIME PROJECT
 Date: AUGUST 2009
 Interpretation:
 PETER E. WALCOTT & ASSOCIATES LIMITED



— Claim Boundary
 ■ Rock Sample with sample number posted



GEOLOGICAL LEGEND

SUPRACRUSTAL ROCKS
Cretaceous to Eocene
Stens or Ossa Late Equivalents

- KE Fvp Plagioclase porphyritic felsic flows
- KE AW Argillaceous wackes
- KE lct Intermediate crystal tuffs
- KE HEC Hematitic apiticlastics

MIDDLE TO LOWER JURASSIC
Piedra Neener Group

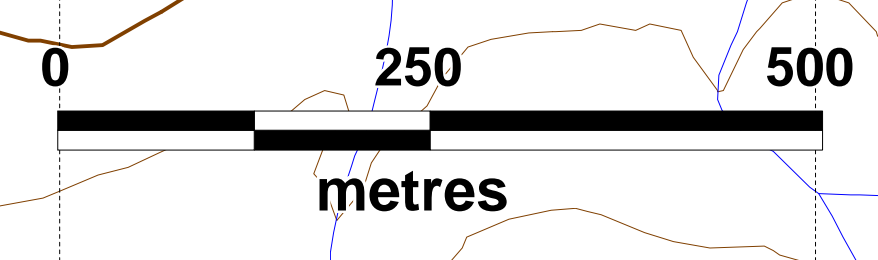
- J AMt Bedded argillites and mafic ash tuffs
- J M Undifferentiated mafic flows and fragmentals
- J Mfpx Pyroxene porphyritic mafic flows
- J Mlpx Pyroxene-rich mafic fragmentals
- J Mct Mafic crystal tuffs

INTRUSIVE ROCKS
(No inferred age relations)

- Fd Felsic dykes
- Fdq Felsic dykes + strongly quartz porphyritic
- D, uD Diorites and micro-diorites
- Gbd Megacrystic gabbro-diorites
- GD Granodiorite

--- Fault

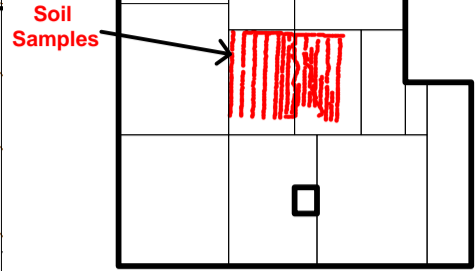
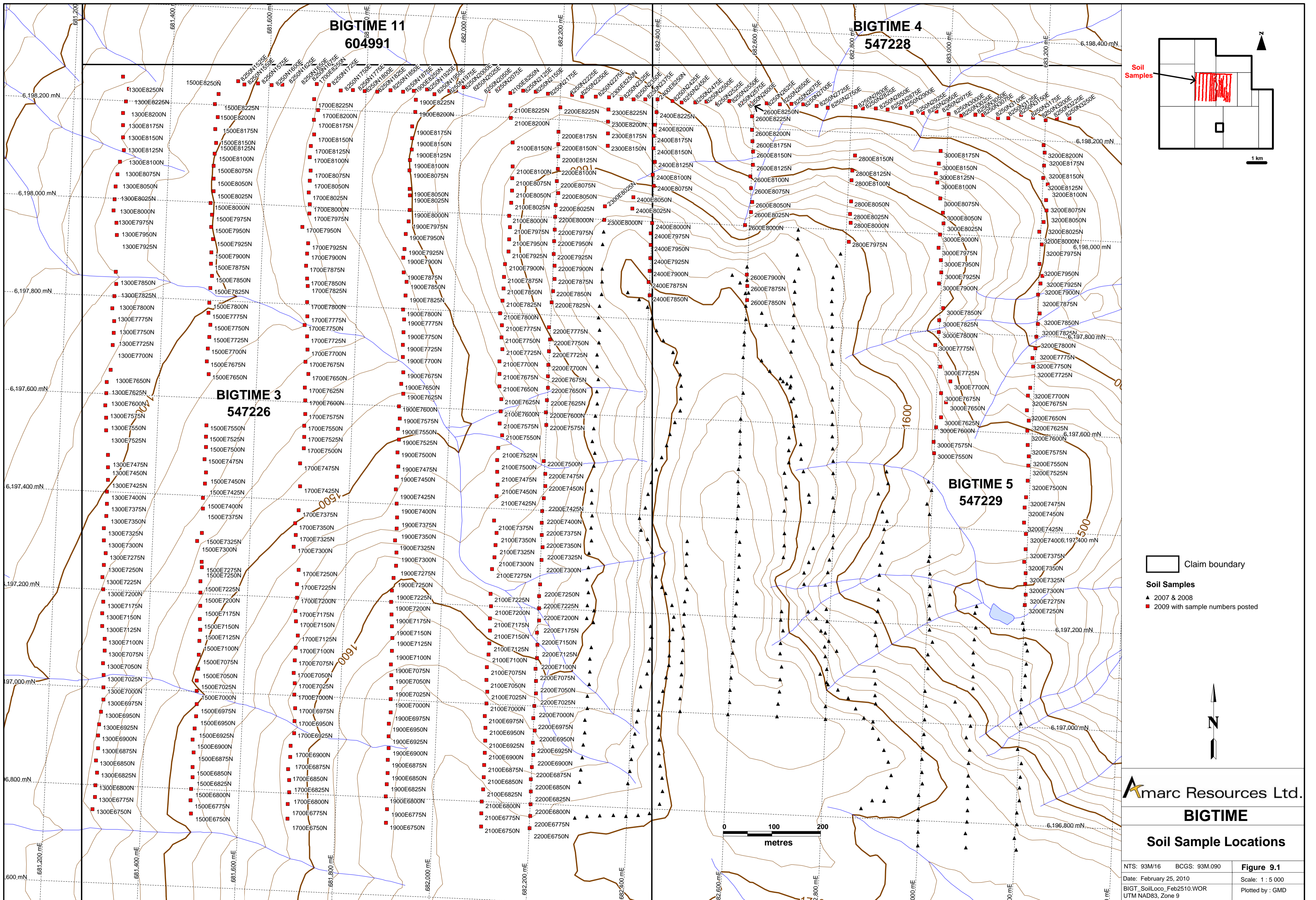
Rock Samples
● ppm Cu, ppm Mo



Amarc Resources Ltd.
BIGTIME

Cu and Mo in Rocks

NTS: SIM16 BCGS: SIM00100 Figure: B.5
Date: March 19, 2010 Scale: 1:5,000
BIGT_RockRes/CuMo_Mar1910/WOR
GTM/HADES_Zone 5 Plotted by: GMD



Claim boundary

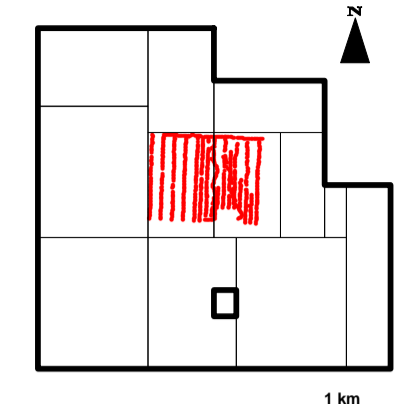
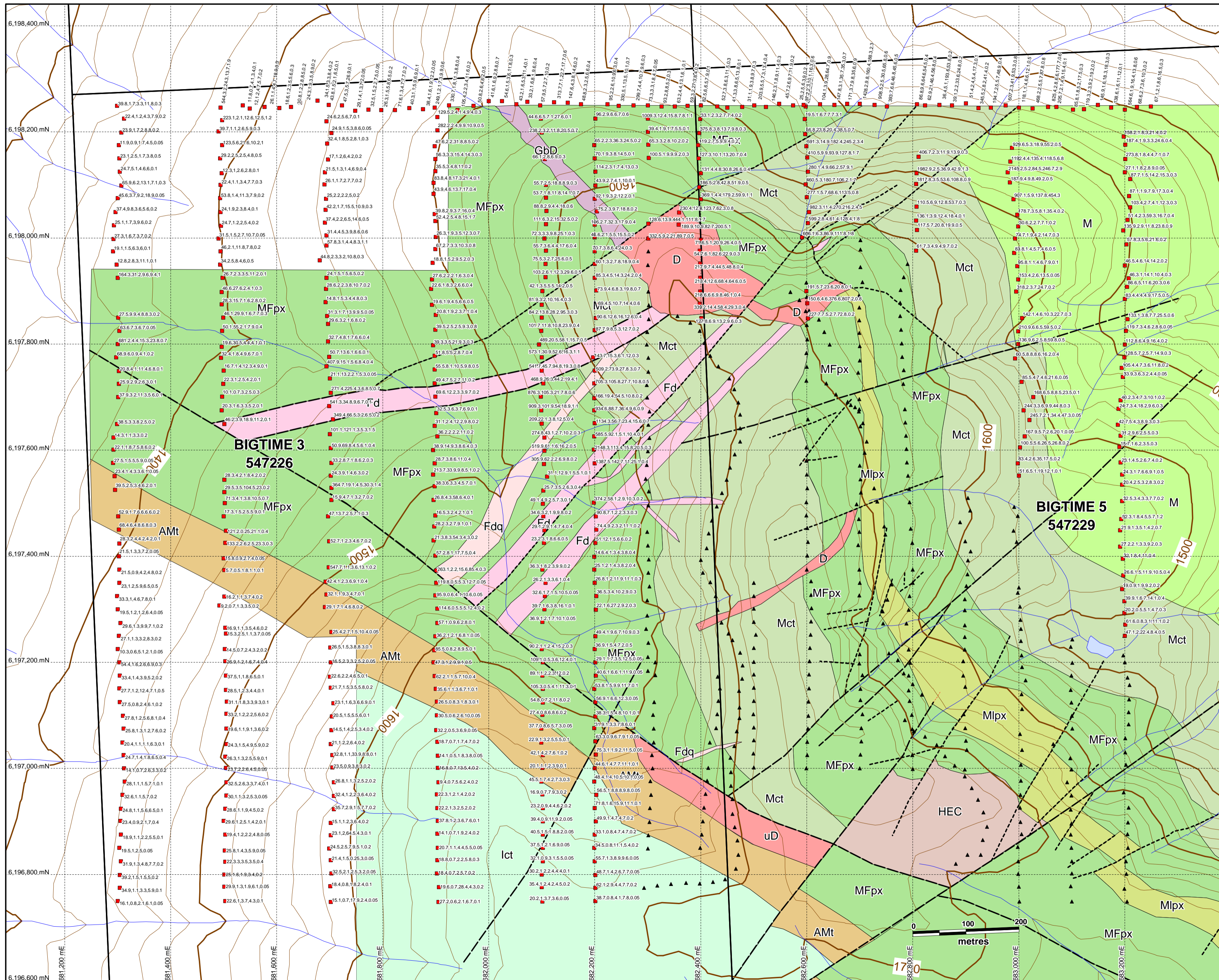
Soil Samples
 ▲ 2007 & 2008
 ■ 2009 with sample numbers posted

Amarc Resources Ltd.

BIGTIME

Soil Sample Locations

NTS: 93M/16 BCGS: 93M.090 **Figure 9.1**
 Date: February 25, 2010 Scale: 1 : 5 000
 BIGT_SoilLoco_Feb2510.WOR Plotted by : GMD
 UTM NAD83, Zone 9



GEOLOGICAL LEGEND

- SUPRACRUSTAL ROCKS**
Creteux or Ootua Lake Equivalent
- KE Fvp Plagioclase porphyritic felsic flows
 - KE AW Argillaceous wackes
 - KE Ict Intermediate crystal tuffs
 - KE HEC Hematitic epiclastics
- MIDDLE TO LOWER JURASSIC**
Probable Hazelton Group
- J AMt Bedded argillites and mafic ash tuffs
 - J M Undifferentiated mafic flows and fragmentals
 - J MFpx Pyroxene porphyritic mafic flows
 - J Mlpx Pyroxene-rich mafic fragmentals
 - J Mct Mafic crystal tuffs
- INTRUSIVE ROCKS**
(No inferred age relations)
- Fd Felsic dykes
 - Fdq Felsic dykes - strongly quartz porphyritic
 - D, uD Diorites and micro-diorites
 - Gbd Megacrystic gabbro-diorites
 - GD Granodiorite

- Claim boundary
- Soil Samples
- ▲ 2007 & 2008
- 2009 (Cu, Mo, Au, As, Ag values posted)

Amarc Resources Ltd.

BIGTIME
Cu, Mo, Au, As and Ag
in Soil

NTS: 93M/16 BCGS: 93M.090 **Figure 9.7**
 Date: April 21, 2010 Scale 1 : 5 000
 BIGT_soilCuMoAuAsAg_Mar1910.WOR Plotted by : GMD
 UTM NAD83, Zone 9