Report on the 2012 Prospecting and Soil Sampling Program on the Grommet Property

NTS: 105B/11, Watson Lake Mining District, Yukon, Canada

60°32’30” N 131° 19’40” W

CLAIMS:
Grommet 1-4 (YE31834-YE31837)
Grommet 5-14 (YE31858-YE31867)

WORK PERFORMED:
June 17-19, 2012

Prepared for:
Panarc Resources Ltd.

Prepared by:

AURORA GEOSCIENCES

Report on the 2012 Prospecting and Soil Sampling Program on the Grommet Property

Effective Date: January 21, 2013

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TABLE OF CONTENTS

1 EXECUTIVE SUMMARY 1
2 INTRODUCTION 3
3 LOCATION & ACCESS 3
4 PROPERTY DESCRIPTION 3
5 CLIMATE & TOPOGRAPHY 5
6 EXPLORATION HISTORY 5
7 REGIONAL GEOLOGY 6
7.1 Tectonic setting 7
7.2 Stratigraphy 7
7.3 Structure 8
8 PROPERTY GEOLOGY & MINERALIZATION 10
8.1 Rock units 10
8.2 Mineralization 11
8.2.1 Geology 11
9 WORK PROGRAM 13
9.1 Prospecting 13
9.1.1 Personnel & equipment 13
9.1.2 Specifications 13
9.1.3 Data products 14
9.2 Soil geochemical survey 14
9.2.1 Personnel & equipment 14
9.2.2 Specifications 14
9.2.3 Data products 14
10 DISCUSSION 15
10.1 Prospecting 15
10.1.1 Molybdenum 15
10.1.2 Copper 15
10.1.1 Silver 15
10.1.2 Gold 15
10.2 Soil Geochemical Survey 21
10.2.1 Molybdenum (Figure 11) 21
10.2.2 Copper (Figure 12) 21

10.2.3 Silver (Figure 13) 21
10.2.4 Gold (Figure 14) 21
11 SAMPLE COLLECTION, SECURITY, PREPARATION & ANALYSIS 27
11.1 Rock samples 27
11.2 Geochemical samples 27
12 INTERPRETATION AND CONCLUSIONS 27
13 RECOMMENDATIONS 28
14 REFERENCES 30
APPENDIX I. STATEMENT OF QUALIFICATIONS 31
APPENDIX II. PROJECT LOG 32
APPENDIX III. STATEMENT OF EXPENDITURES 34
APPENDIX IV. ROCK SAMPLE DESCRIPTIONS 35
APPENDIX V. ROCK SAMPLE ANALYSES 45
APPENDIX VI. GEOCHEMICAL SAMPLE DATABASE 49
APPENDIX VII. SOIL SAMPLE ANALYSES 51
APPENDIX VIII. ASSAY CERTIFICATES 55

LIST OF FIGURES

FIGURE 1. PROPERTY LOCATION 3
FIGURE 2. CLAIMS AND SHOWINGS 4
FIGURE 3. REGIONAL GEOLOGY 9
FIGURE 4. PROPERTY GEOLOGY 12
FIGURE 5. ROCK SAMPLE LOCATIONS 16
FIGURE 6. MOLYBDENUM IN ROCK SAMPLES 17
FIGURE 7. COPPER IN ROCK SAMPLES 18
FIGURE 8. SILVER IN ROCK SAMPLES 19
FIGURE 9. GOLD IN ROCK SAMPLES 20
FIGURE 10. SOIL SAMPLE LOCATIONS 22
FIGURE 11. MOLYBDENUM IN SOIL SAMPLES 23
FIGURE 12. COPPER IN SOIL SAMPLES 24
FIGURE 13. SILVER IN SOIL SAMPLES 25
FIGURE 14. GOLD IN SOIL SAMPLES 26

LIST OF TABLES

TABLE 1. CLAIM DATA 2
TABLE 2. REGIONAL STRATIGRAPHY IN THE PROPERTY AREA 7
TABLE 3. PROPERTY SCALE ROCK UNITS 11

1 EXECUTIVE SUMMARY

The Grommet Property is located at 60°32'30" N 131° 19'40" W, 200 km from Whitehorse. The Property is accessible by helicopter from Whitehorse and consists of 14 Quartz claims recorded in the Watson Lake Mining District.

Molybdenum mineralization was discovered on the Grommet Property in 1978 and the Property was subsequently explored by Getty Mines Ltd. in 1981 and 1982 who conducted geological mapping, prospecting, geochemical sampling and ground magnetometer geophysical surveys.. The Property was staked by the current owner, Panarc Resources Ltd. in 2012.

This report describes prospecting and soil sampling surveys conducted from June 17th to 19th, 2012. The purpose of this work was to follow up on the Mo, Cu and Ag identified in historical showings and to investigate the previously ignored potential for Au.

A total of 48 grab samples and 41 soil samples were collected during the 2012 program. The results from this program indicate that Mo is anomalous in soils predominantly along a NW-SE trend in the western portion of the Property. This anomaly is open both to the north and the south. Cu, Ag and Au are present in two distinct targets: a NW-SE trending zone that coincides with the Mo anomaly that is also open to the north and south as well as in another zone to the east of the creek that is open to the North. Rock samples indicate the source of these anomalies is likely near the ridge crests in both cases. A rock sample taken on the south side of the property, further downslope than those on the northwest suggests there may be a third target on the southern edge of the current property boundary.

Based on these results, a work program consisting of soil sampling, ground magnetometer and VLF, prospecting, mapping, trenching, winkie drilling, and possible IP/HLEM is recommended. Further staking may be advised based on the findings.

2 INTRODUCTION

Aurora Geosciences Ltd. was retained by Panarc Resources Ltd. to conduct a prospecting and soil sampling program on the Grommet Property. From June 17th to 19th, 2012, six man days were used to assess the ground on Panarc Resources Ltd.'s Grommet Property. The Grommet claim group consists of 14 quartz claims (numbered 1 through 14) located on map sheet 105B/11.

This report describes the prospecting and soil sampling work done on Panarc Resources' claims which surround the Thrall molybdenum, silver, and copper showing (MINFILE# 105B 103). Gold potential was previously overlooked but was investigated in the 2012 program.

All geographic locations in this report are relative to North American Datum 1983. Non-geodetic coordinates are expressed in Universal Transverse Mercator Zone 9N metric coordinates. All measurements are expressed in the metric system unless they are measurements quoted from historic reports expressed in other units of measure. Angles are expressed relative to true north unless otherwise stated.

3 LOCATION & ACCESS

The Grommet Claims are located at 60°32' N 131° 19' W on NTS 105 B/11 in the Watson Lake Mining District. The Property location is shown in Figure 1. The pProperty is 200 km East of the city of Whitehorse and 60 km to the North of the Alaska Highway . Access to the Property is by helicopter. Supplies can be flown to Wolf Lake, approximately 14 km from the Property, and ferried by helicopter. (Hulstein, 1983)

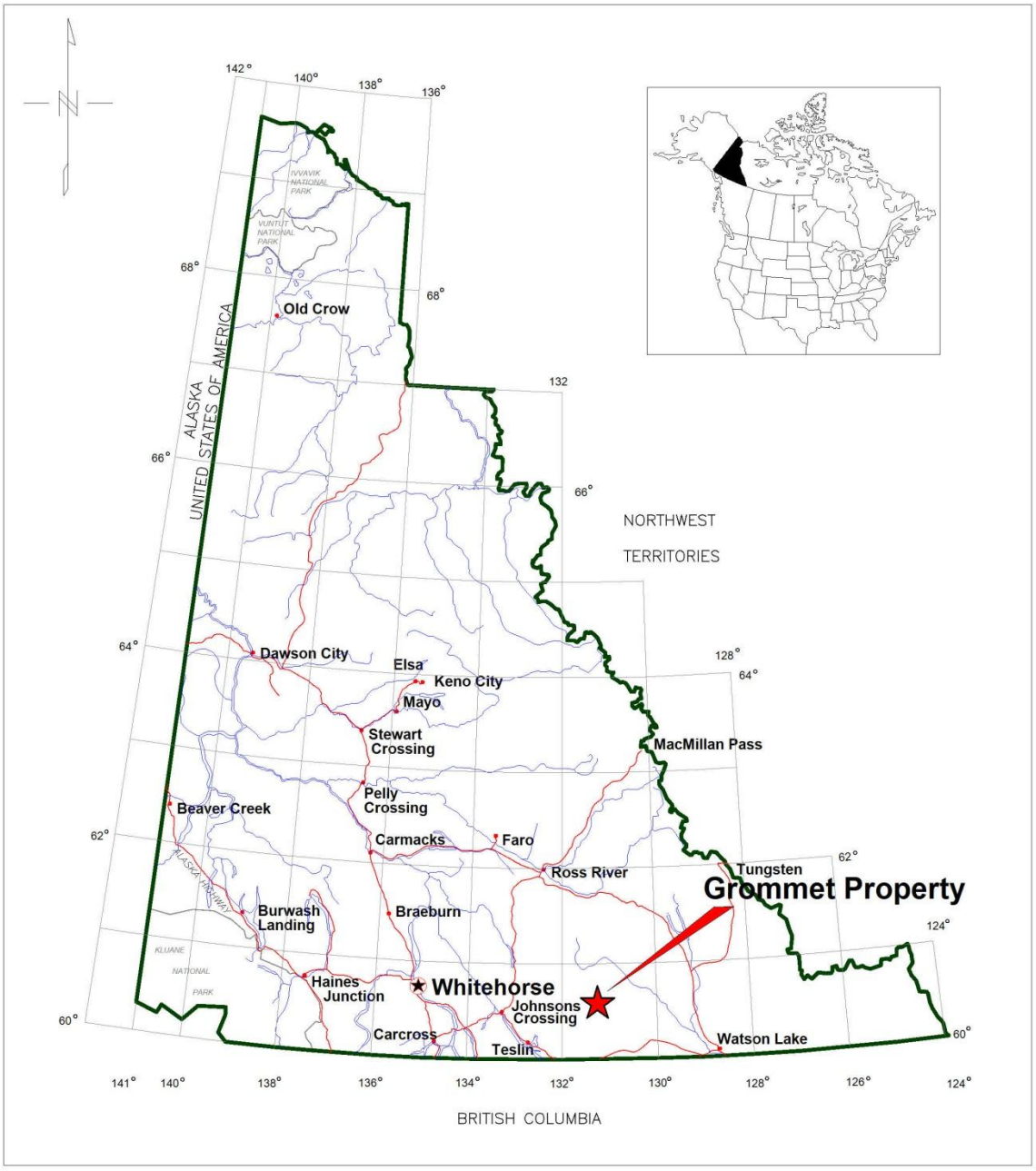
4 PROPERTY DESCRIPTION

The Grommet Property consists of 14 Quartz claims recorded in the Watson Lake Mining District. Claim information[1] is summarized below:

Table 1. Claim data

Claim Name	Tag or Record Number	Expiry Date
Grommet 1	YE31834	2013-01-19
Grommet 2	YE31835	2013-01-19
Grommet 3	YE31836	2013-01-19
Grommet 4	YE31837	2013-01-19
Grommet 5	YE31858	2013-06-18
Grommet 6	YE31859	2013-06-18

[1] Claim information as provided by the Yukon Mining Recorder (www.yukonminingrecorder.ca) on November 24, 2012. Anniversary dates do not reflect the value of work described in this report.



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Grommet Property
Figure 1. Property Location Map

NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jan 2013

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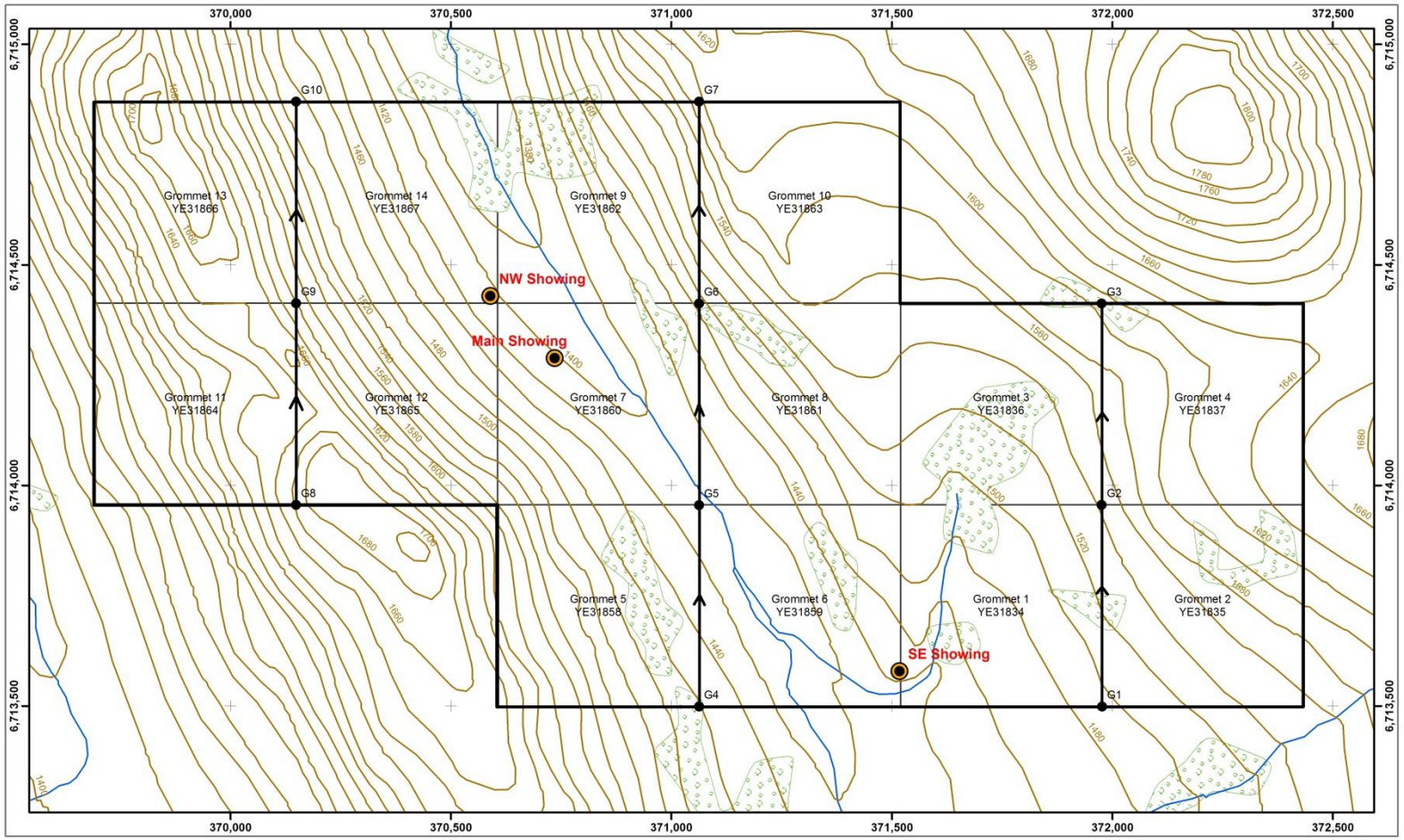


Contour Interval: 20 m

0 100 200 400 600 800 Meters

NTS: 105B 11 Mining District: Watson Lake
Datum: NAD83 Projection: UTM Zone 9N
Job: PRL-12506-YT Date: 29 Jun 2012

GROMMET PROPERTY
Figure 2 - Claims & showings

Grommet 7	YE31860	2013-06-18
Grommet 8	YE31861	2013-06-18
Grommet 9	YE31862	2013-06-18
Grommet 10	YE31863	2013-06-18
Grommet 11	YE31864	2013-06-18
Grommet 12	YE31865	2013-06-18
Grommet 13	YE31866	2013-06-18
Grommet 14	YE31867	2013-06-18

The claims comprising the Property may be retained in good standing by performing assessment work in the amount of $100 per claim and paying assessment filing fees of $5 per claim.

5 CLIMATE & TOPOGRAPHY

The Property is situated at the headwaters of the informally named Thrall Creek. Thrall Creek is a northwest flowing tributary of Irvine Creek which flows west into Wolf Lake and the Yukon River System. The area lies within the Cassiar Mountains with moderate to steep glaciated ridges reaching 1,500 to 1,800 metres elevation. The intervening valleys are generally broad and U-shaped with thick marshy glacial overburden cover. Most of the claims area is above tree line. The main vegetation types in the valleys are alder and willow bush, known as "buck brush". Scattered clusters of stunted spruce are common throughout the area.

Outcrop exposure is generally restricted to the ridges, with some exposure in creek cuts and in the narrow valley bottoms. Talus is abundant along ridge flanks. Small frost boils and seeps are common near the base of the ridges. (Hulstein, 1983)

6 EXPLORATION HISTORY

Section extracted from Hulstein, 1983

In 1978 the Geological Survey of Canada initiated a regional stream sediment survey over the Wolf Lake map sheet as part of its Uranium Reconnaissance Program (U.R.P.). As a result of this program co-incidental anomalous values were obtained for Mo (11 ppm), W (22 ppm), Cu (58 ppm) Pb (22 ppm) and Zn (110 ppm), on a north draining tributary of Irvine Creek. Normal background values in the area are 1 ppm Mo, 2 ppm W, 20 ppm Cu, 4 ppm Pb, and 60 ppm Zn. This anomaly prompted the area to be staked in 1979, however, there is no record or sign of any work being done and the claims lapsed.

In 1981, Getty Canadian Metals, Ltd. conducted a regional reconnaissance molybdenum program in the north and central Yukon. Research and data compilation revealed that the above mentioned anomaly was not staked and a prospecting crew was dispatched in June, 1981, to investigate. Molybdenite

mineralization was located in association with quartz veining in talus of quartz-feldspar porphyry granodiorite.

Minor disseminated molybdenite was also located in float and rare outcrop of granodiorite over a wide area of poor rock exposure. The THRALL 1-64 claims were staked and later a program of grid soil geochemistry and mapping was undertaken. The THRALL 65-92 claims were added in October, 1981, to cover extensions of soil geochemistry anomalies.

During July and August, 1982, prospecting, soil sampling and a ground magnetometer survey were carried out on the THRALL claims. This program was conducted in order to follow up the open Mo, Cu, W, Pb and Ag soil anomalies located in 1981. The claims upon which work was actually done include the THRALL 1-88 and 89F-92F claims. (Hulstein, 1983)

7 REGIONAL GEOLOGY

Section extracted from Murphy, 1988*:*

The Irvine Lake and Gravel Creek map-areas lie within the northern Omineca Belt, west of the Tintina-Northern Rocky Mountain Trench (NRMT) fault. The eastern part of the area is underlain by Proterozoic to early Paleozoic meta-sedimentary rocks of Cassiar terrane (Monger 1984), a fragment of the North American miogeocline which has been displaced northward on the Tintina-NRMT fault. The western part of the area is underlain by basaltic meta-volcanics, serpentinized ultramafic rocks, meta-gabbro, and cherty and calcareous meta-sediments of the Slide Mountain terrane (Monger, 1984). Unfoliated to weakly foliated granitic intrusives (Marker Lake and Cassiar batholiths and Cabin Creek and Gravel Creek stocks) occur throughout the area intruding both the Cassiar and Slide Mountain terranes. Slide Mountain and Cassiar terranes are juxtaposed by an east-verging thrust fault referred to in this area as the Zak fault. Southwest of Irvine Lake, the thrust places serpentine, basaltic meta-volcanics, and an undeformed dioritic intrusion onto a footwall consisting of the Proterozoic Tsaydiz Fm. and older units. Northwest of Irvine Lake, near Shootamook Creek, the thrust places cherty meta-sediments of the allochthon onto marble and quartzite inferred to be lower Cambrian Rosella and Boya Formations, respectively.

The northern end of the Cassiar batholith extends into the southwestern corner of Irvine Lake map-area. Its northeastern contact with rocks of Slide Mountain terrane is a sub-vertical, northwest-southeast trending mylonite zone several tens of metres wide. Mesoscopic structures including S-C fabrics and shear bands (Berthe et al, 1979) prove dextral displacement parallel to a variably plunging, but commonly sub-horizontal stretching lineation. The mylonite zone lies along a pronounced topographic lineament which extends from the trace of the Cassiar fault south of the Alaska Highway northwestwardly into the Irvine Lake map-area. Although not conclusive, the topographic expression of this feature suggests that the Cassiar fault continues northwestwardly into Irvine Lake map-area rather than veering to the west as previously mapped (Poole, et al, 1960).

Mineral occurrences in this area are primarily near the contact of granitic intrusions and carbonate rocks. Carbonate rocks hosting the deposits belong to the upper Proterozoic Ingenika Group (Swannell, Tsaydiz, and Espee formations) rather than the Lower Cambrian Atan Group as has been inferred for nearby deposits in the Rancheria district. Other, non-carbonate-hosted mineral occurrences include a porphyry Mo prospect and Ag, Pb, Zn veins.

7.1 Tectonic setting

The Property is located in the Slide Mountain Terrane of the Canadian Cordillera. Exposure is generally poor and mostly concentrated in the Property area and to the southwest along ridge-tops. Stratigraphy and contact relations between mapped units remain poorly defined. Lithologically the Slide Mountain Terrane consists of variably deformed mafic meta-volcanic and meta-plutonic rocks, serpentinized ultramafic rocks, foliated serpentinite and serpentine matrix breccia, chert, argillite, limestone, chert- and limestone-pebble conglomerate, siltstone an undeformed mafic to ultramafic pluton, and undeformed plagioclase-porphyritic basaltic dykes (Murphy, 1988).

7.2 Stratigraphy

The following rock units described in Murphy, 1988 are present in the Property area:

Table 2. Regional stratigraphy in the Property area

Rock Unit [Age]	Name	Description
CPA5 (Original Unit Pz?gdp) [250-353 Ma]	Unfoliated mafic to ultramafic intrusive	Unfoliated coarse-grained quartz diorite, diorite, leucogabbro, and pods of pyroxenite of this unit are found in southwestern Irvine Lake map-area. The contact with the meta volcanics is sharp and the intrusion contains foliated greenstone xenoliths identical to those in the meta-volcanics suggesting an intrusive relationship. The age of intrusion is not known; samples were taken for U/Pb dating. This unit is considered part of Slide Mountain terrane rather than a post-obduction intrusion because it is compositionally distinct from the suite of post-obduction granitic rocks and more akin to the mafic to ultramafic rocks of Slide Mountain terrane. This interpretation implies that some of the fabric of
CPA [250-353 Ma]	Amalgamation of deformed and metamorphosed volcanics, sediments and gabbros	Foliated mafic meta-volcanic unit: Strongly foliated and locally lineated fine-grained, chlorite, actinolite, and plagioclase-bearing greenstone. Cherty meta-sedimentary unit: Consists of deformed and metamorphosed chert, argillite, minor mafic meta-volcanic, and tentatively includes poorly exposed chert- and limestone-pebble conglomerate and siltstone. Mixed meta-gabbro, serpentinized ultramafic, and mafic meta-volcanic(?) unit: Massive meta-gabbro, serpentinized peridodite, and minor mafic rocks (which may be dykes rather than flows).

7.3 Structure

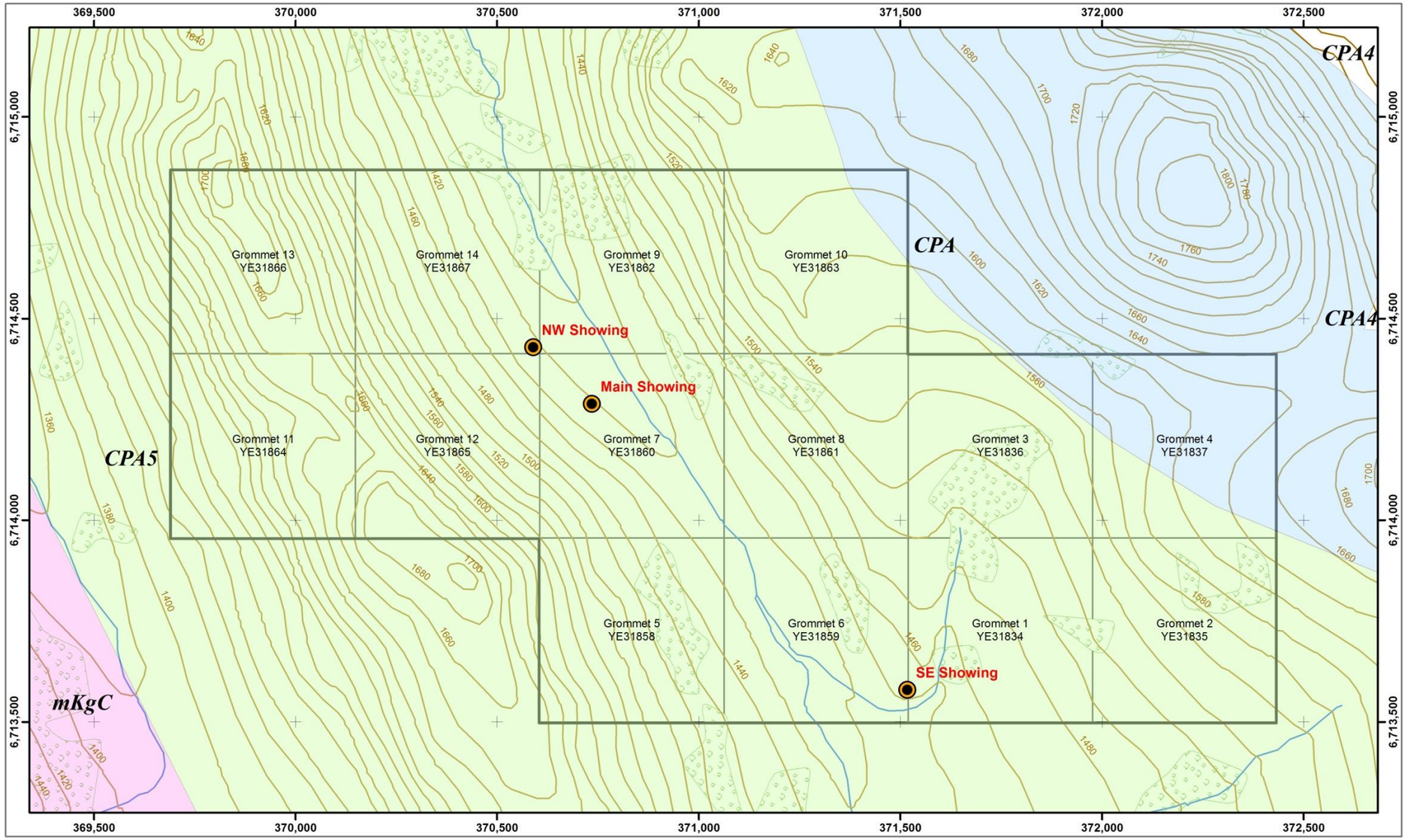
Section extracted and adapted from Murphy, 1988*:*

Structural analysis of Slide Mountain terrane is inhibited by poor exposure. Clear and structural indications are present only in the Irvine Creek formation.

Basaltic meta-volcanics and serpentinite south of Irvine Creek exhibit a pronounced foliation, S_p, and locally a lineation, L_p. In serpentinite, S_p is defined by parallel alignment of flattened and elongate serpentinite fibres and platelets. The long axes of serpentine fibres show a range of orientations, reflecting the complexity of strain in the serpentinite layer, and also possibly post-kinematic recrystallization. In meta-basalt, S_p is defined by flattened feldspar-rich layers and lenses; L_p is weakly defined by nodding within these layers.

The orientation of S_p varies systematically. In the eastern exposures, S_p is approximately sub-parallel to the basal thrust contact of the Slide Mountain terrane with the Cassiar terrane. In the west, near the Cassiar(?) fault, S_p has a steep to near-vertical orientation, sub-parallel to the trace of Cassiar(?) fault.

The variations in orientation of S_p with proximity to structures of different ages imply contributions to the total strain at different times. The parallelism of S_p with the basal fault of Slide Mountain terrane implies that some of the strain implicit in S_p can be attributed to the early middle Jurassic emplacement of Slide Mountain terrane onto Cassiar terrane. However, because foliated xenoliths of basaltic meta-volcanic are contained within unfoliated plutonic rocks believed to be part of the allochthon (and therefore intruded before emplacement of the allochthon), some of the strain must have occurred before emplacement of the allochthon. The parallelism of S_p with the Cassiar(?) fault implies that S_p has been re-oriented again by strain associated with post-late Early Cretaceous displacement across the fault.



N

Legend

- CPA - Diorite & gabbro
- CPA5 - Greenstone & metaseds
- mKgC - Granodiorite & Qtz diorite
- Wooded area
- Claims

Contour Interval: 20 m

0 112.5 225 450 675 900 Meters

NTS: 105B 11 Mining District: Watson Lake
Datum: NAD83 Projection: UTM Zone 9N
Job: PRL-12506-YT Date: 13 Jun 2012

GROMMET PROPERTY
Figure 3 - Regional Geology

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8 PROPERTY GEOLOGY & MINERALIZATION

This section describes the geology on the Grommet Property based on the work to date and on previous work by Holland (1982) and Hulstein (1983).

8.1 Rock units

The following rock units are present on the Property:

Table 3. Property scale rock units

Rock Unit	Description
Greenstones	Fine-grained, grey-green to dark green, andesitic in composition (with minor localized dacites and rhyolites). Consists of equal proportions plagioclase and green hornblende with minor quartz and sphene. Generally massive to finely porphyritic and locally strongly foliated. Fine stringers and disseminations of pyrite associated with quartz are common. Commonly interfingered with the metasediments.
Metasediments	Fine-grained, argillaceous, dark grey to green and purple-grey. Interfingered with varying levels of volcanics. Moderately to strongly foliated with localized chlorite, purple biotite and dark green to black hornblendes near contacts with granodiorite.
Diorite-Quartz Diorite	Medium to coarse grained, equigranular, dark green to black. Consist of 20-60% plagioclase, 20-70% hornblende and 0-30% quartz. Generally not foliated. Similar in composition to greenstones, may in fact be recrystallized greenstones.
Granodiorite	Porphyritic (mainly plagioclase phenocrsysts with rare quartz and K-feldspar), fine to coarse grained. Consists of 35-50% plagioclase, 25-35% quartz and 12-15% K-feldspar with minor muscovite, biotite, chlorite and apatite. Chlorite and muscovite are alteration product of biotite and rarely plagioclase. Pyrite is common (up to 2%) as fracture fillings and fine disseminations. This unit is poorly exposed, but inferred to occur as an elongated northwest trending body. Appears to be related to the emplacement of the Cassiar and Irvine Creek batholiths to the SW and NE of the Property.
Quartz-Feldspar Porphyry	This unit is similar in composition and texture to the granodiorite and likely related to it. Groundmass consists of 40-50% plagioclase, 25-40% quartz, 5-25% K-feldspar and 0-10% chlorite-biotite. Phenocrysts of plagioclase and quartz are 1-5mm in size, anhedral to euhedral and make up 25% of the unit. Much of the stockwork quartz-molybdenum veinlets is hosted in the Quartz-Feldspar Porphyry.

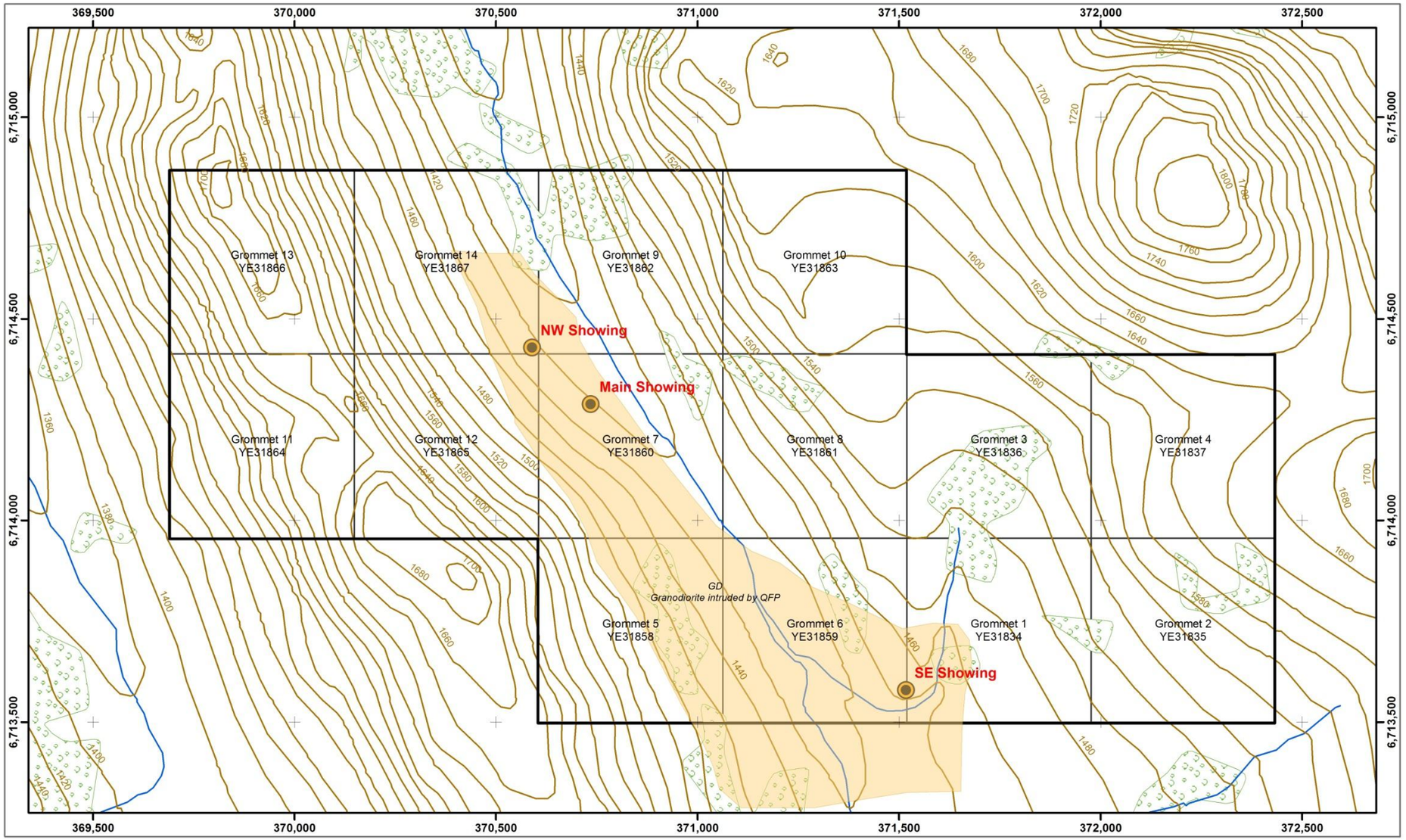
8.2 Mineralization

This section describes the base metal mineralization on the Property delineated to date by geological mapping, geochemical and geophysical surveys. (Hulstein, 1983)

8.2.1 Geology

Showings identified in the 1981 and 1982 programs consist of talus exposures of both quartz-feldspar porphyry and granodiorite (generally the finer grained phases). Molybdenite occurs as fine flakes within quartz veins and veinlets less than 3 cm in thickness and as slightly coarser (up to 5mm) flakes in vein selvages. Weathered float with rusty quartz veins is common near the showings and is thought to have contained sulphides prior to surface exposure. Copper, silver and tungsten mineralization appear to be less widespread than molybdenite but minor occurrences of chalcopyrite, malachite and scheelite were found during the 1982 and 1983 programs. Pyrite is a minor but widespread component of the granodiorite.

Secondary potassic alteration of plagioclase is generally well developed around the mineralized veins. Strong alteration halos are 1 to 2 centimeters thick with decreasing intensity further away from the veins. Other alteration assemblages are poorly understood due to the lack of exposure. Thin section studies done on samples collected in 1981 indicate that most of the granodiorite have some clay alteration of plagioclase and chloritization of biotite.



Contour Interval: 20 m

0 112.5 225 450 675 900 Meters

NTS: 105B 11 Mining District: Watson Lake
Datum: NAD83 Projection: UTM Zone 9N
Job: PRL-12506-YT Date: 13 Jun 2012

GROMMET PROPERTY
Figure 4 - Property Geology

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9 WORK PROGRAM

In 2012, prospecting and soil sampling were conducted on the Property. Appendix II contains a project log and Appendix III contains a summary of expenditures.

9.1 Prospecting

Prospecting was conducted on the Property June 17-19, 2012. The purpose of this work was The purpose of the program was to verify reported mineralization and to assess the potential of the property to host gold mineralization in addition to the base mineralization previously identified.

9.1.1 Personnel & equipment

The work program was conducted by the following personnel:

Crew chief:	Tomasz Kalkowski
Field assistants:	Neil McKinnon

The crew was equipped with the following instruments and equipment:

Instruments:	2 – Garmin non-differential GPS receivers
Equipment:	1 – set sampling gear 1 – Field office 3 – Radios
Camp:	1 – 2 man camp w/ 1 tent, sleeping, kitchen gear 1 – Satellite phone 1 – 2KW gas inverter
Vehicles:	1 – 1 Ton truck

9.1.2 Specifications

Prospecting was conducted according to the following specifications:

Mapping Datum:	NAD83 UTM Zone 9N
Location recording:	Non-differential GPS receivers, averaging readings a minimum of 15 times.
Marking:	All sample locations were marked with flagging and metal tags upon which the sample numbers were scribed.
Traverses:	Recorded with non-differential GPS receivers.

Magnetic declination:	22^0 E

9.1.3 Data products

Field data is contained in the following appendices to this report:

Appendix IV	Geological observations & sample descriptions
Appendix V	Sample analyses
Appendix VII	Assay certificates

9.2 Soil geochemical survey

A soil geochemical survey was conducted on the Property June 17-19, 2012. The purpose of the survey was to locate mineralization Property in areas of poor exposure.

9.2.1 Personnel & equipment

This survey was done concurrently with the prospecting please see above for personnel and equipment information.

9.2.2 Specifications

The soil geochemical survey was conducted according to the following specifications:

Mapping Datum:	NAD83 UTM Zone 9N
Location recording:	Non-differential GPS receivers, averaging readings a minimum of 15 times.
Marking:	Soil sample locations were marked with flagging and metal tags upon which the sample numbers were scribed.
Sampling:	Soil samples were collected from the B-horizon (where present) using mattocks. Maximum hole depth was 2 feet.
Records:	Location, depth, soil color and horizon were recorded at each site.

9.2.3 Data products

Field data is contained in the following appendices to this report:

Appendix VI	Soil sample database
Appendix VII	Assay certificates

10 DISCUSSION

This section outlines the findings of the 2012 program.

10.1 Prospecting

A total of 48 grab samples were collected during the 2012 program (Figure 5). Prospecting concentrated in the areas of known mineralization and in the western portion of the property where exposure was better.

10.1.1 Molybdenum

Molybdenum values in rock samples range from 0.1 to 733.1 ppm Mo. Five strongly anomalous samples returned assay values greater than 225 ppm Mo (Figure 6). These samples are rusty weathered greenstones with variable amounts of quartz veining. Sample GR12 is from outcrop, GR15, GR25, and GR27 are located on the west side of the creek below the cliff and steep slope and GR18 is adjacent to an outcrop near the ridge to the east of the creek. Disseminated sulphides (mainly pyrite with rare possible chalcopyrite) are weakly concentrated but present in all anomalous samples. As would be expected from previous work, a greater density of quartz veining appears to correlate with anomalous Mo values.

10.1.2 Copper

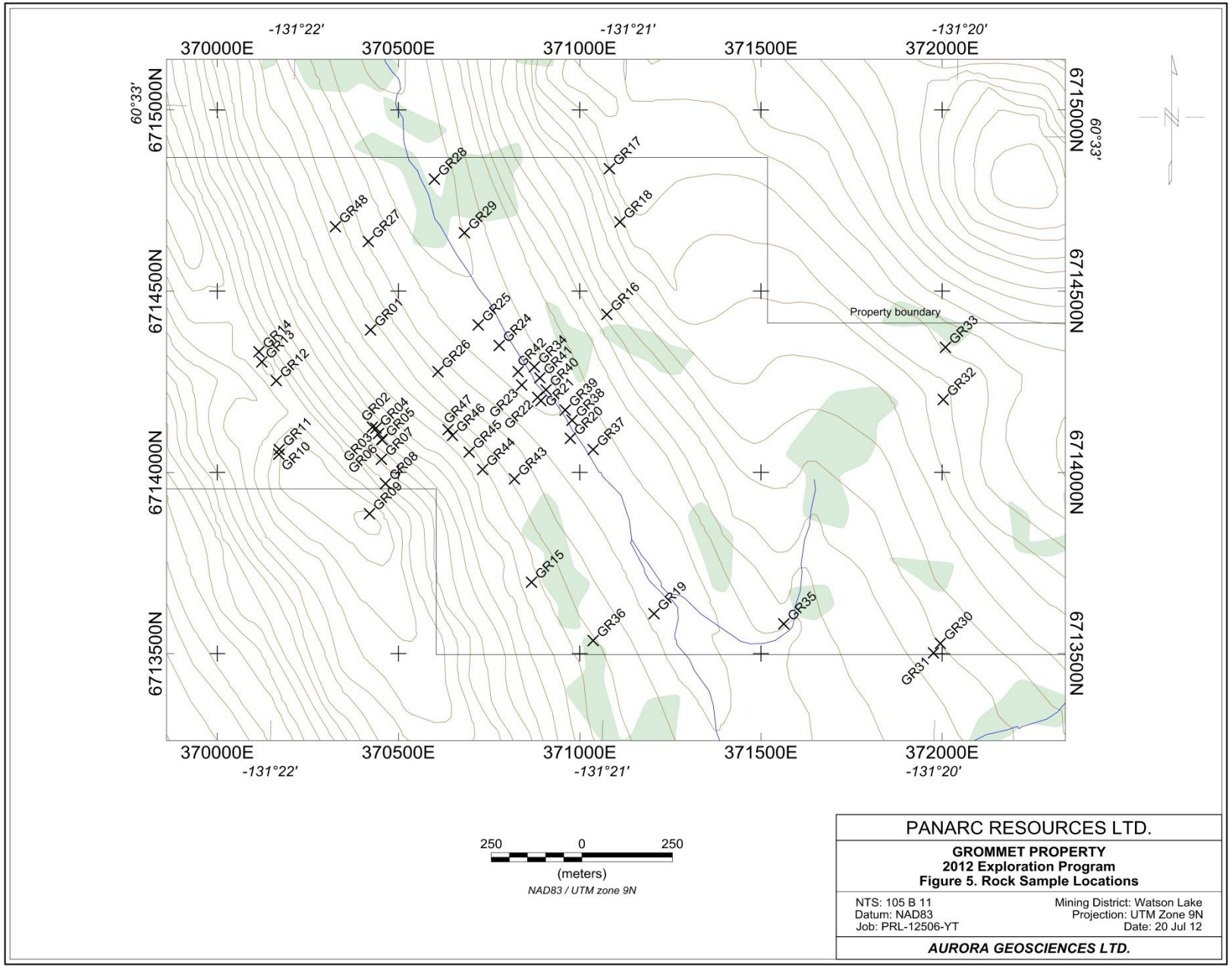
Copper values in rock samples range from 3.7 to 4854.9 ppm Cu. Eight samples are distinctly anomalous with values above 370 ppm Cu (Figure 7). Notably, samples GR29 and GR42 collected from outcrops near the creek bed recorded values of 3174.9 and 4854.9 ppm Cu, respectively. The first (GR29 with 3174.9 ppm Cu) is a granodiorite with finely disseminated sulphides and minor quartz veining, the second (GR42, 4854.9 ppm Cu) is a strongly chloritized greenstone with strong pyrite and chalcopyrite mineralization mainly within quartz veins.

10.1.1 Silver

Silver values in rock samples range from <0.1 to 30.60 ppm Ag. Samples GR36 and GR42 have strongly anomalous values at 5.50 and 30.60 ppm Ag, respectively (Figure 8). Both of these were sampled from outcrop. GR42, as mentioned above in regard to Cu values, is a fine-grained strongly chloritized greenstone with strong mineralization localized within and adjacent to quartz veining. GR36 is a very coarse-grained granodiorite with strong disseminated pyrite, arsenopyrite and chalcopyrite. There is a strong correlation between silver and gold values.

10.1.2 Gold

The potential for gold mineralization has so far been overlooked on the Property. Most of the samples collected were below the detection limit (0.1 g/t Au), but two show strongly anomalous values (Figure 9). Sample GR11 has 0.25 g/t Au in a rusty weathering strongly silicified greenstone with disseminated and clustered pyrite. GR36, as mentioned above, is a very coarse-grained granodiorite with strongly disseminated sulphides; it returned a value of 2.04 g/t Au.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-131°21'
-131°20'
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370500E
371000E
371500E
372000E
60°33'
6715000N
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6714000N
6713500N
Property boundary
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GR04
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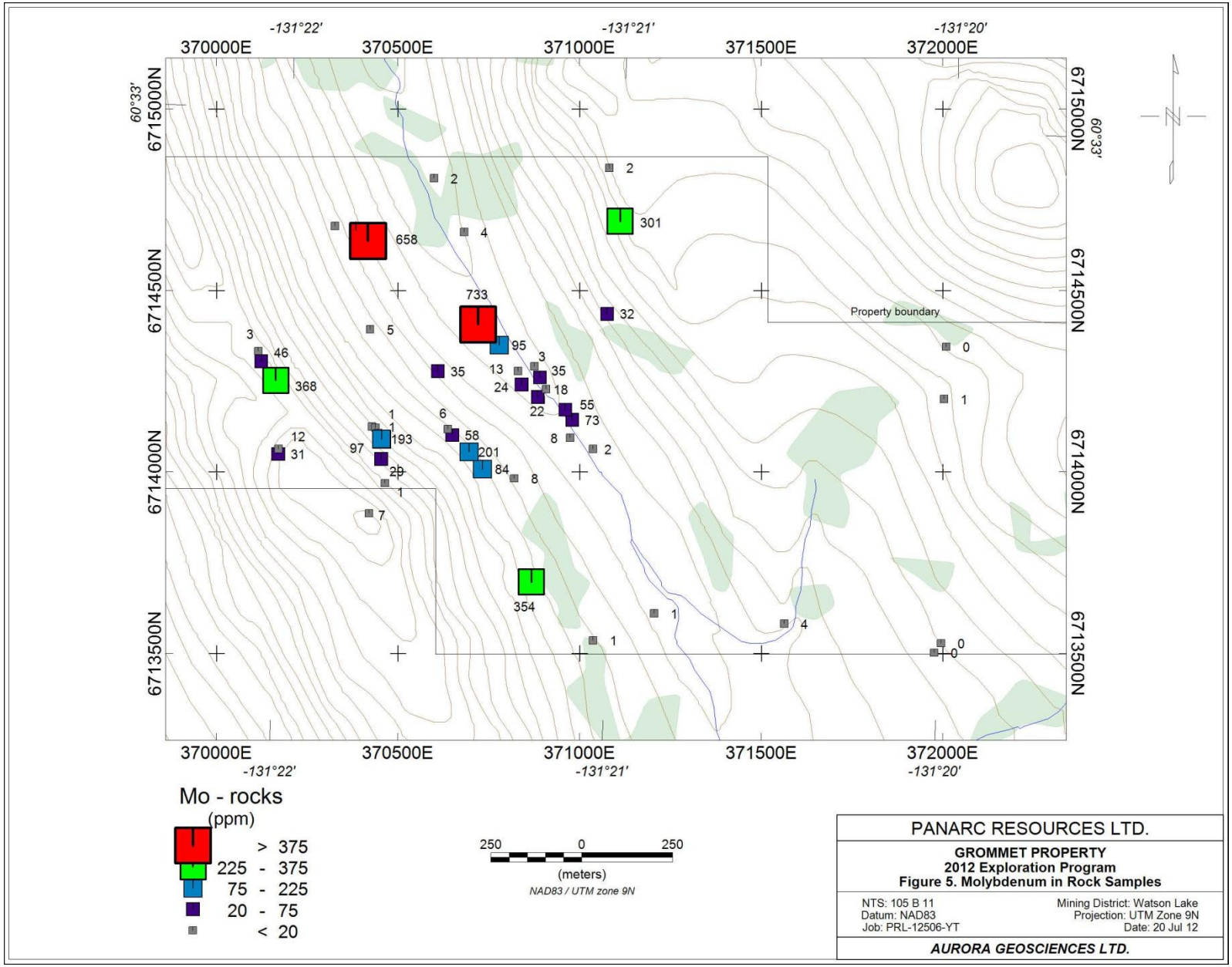
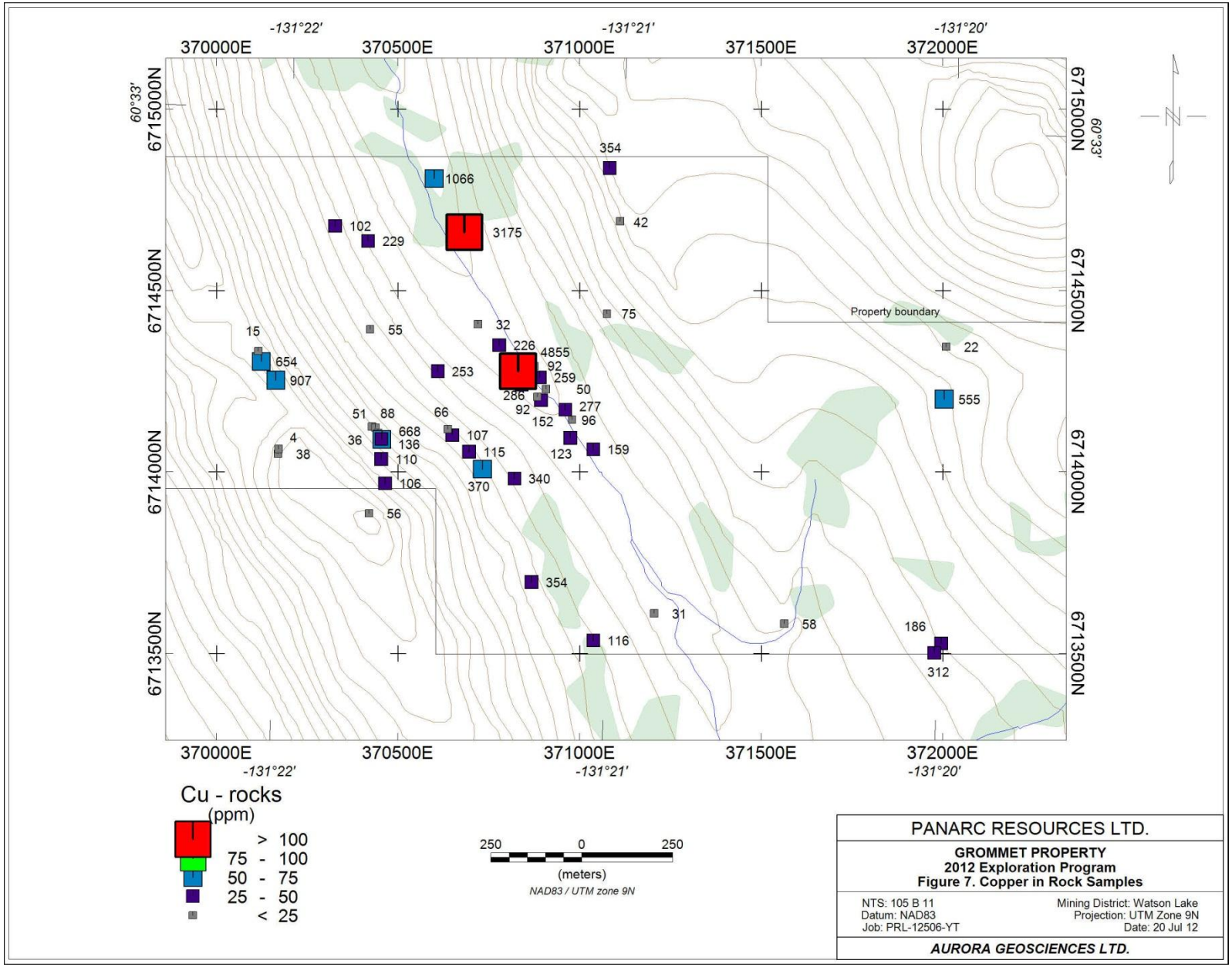
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 5. Rock Sample Locations
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.


-131°22'
-131°21'
-131°20'
370000E
370500E
371000E
371500E
372000E
60°33'
6715000N
6714500N
6714000N
6713500N
Property boundary
658
301
733
32
95
46
368
35
13
24
18
22
55
73
58
201
84
193
97
12
31
354
Mo - rocks
(ppm)
> 375
225 - 375
75 - 225
20 - 75
< 20
250 0 250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 5. Molybdenum in Rock Samples
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.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-131°20'
370000E
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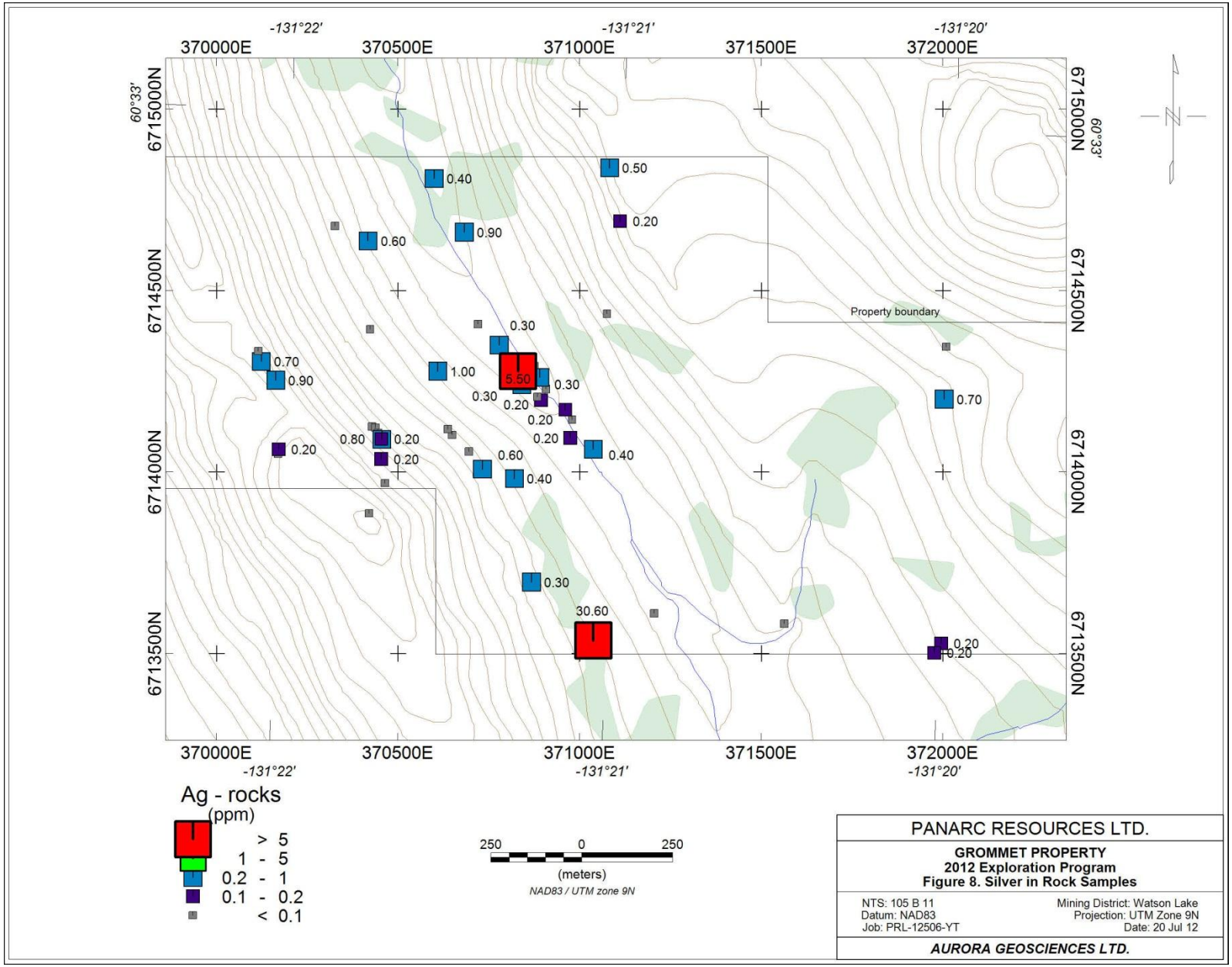
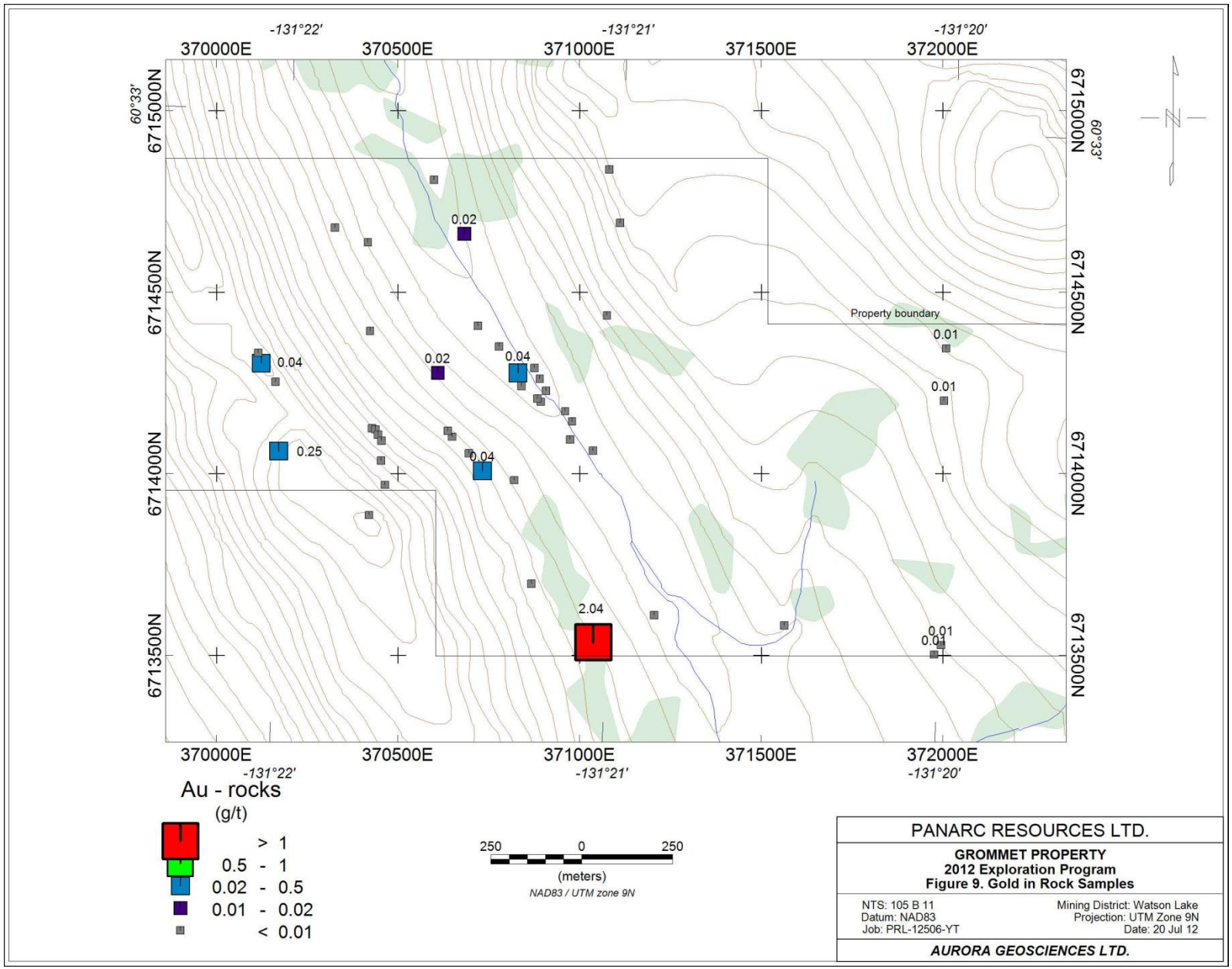
372000E
60°33'
6715000N
6714500N
6714000N
6713500N
Property boundary
1066
3175
354
42
102
229
75
32
226
4855
92
259
50
286
92
277
152
96
253
15
654
907
55
22
555
51
88
66
668
136
110
106
107
115
370
340
123
159
4
38
36
56
354
31
58
186
116
312
Cu - rocks
(ppm)
> 100
75 - 100
50 - 75
25 - 50
< 25
250 0 250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 7. Copper in Rock Samples
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.


-131°22'
-131°21'
-131°20'
370000E
370500E
371000E
371500E
372000E
60°33'
6715000N
6714500N
6714000N
6713500N
Property boundary
0.40
0.50
0.20
0.60
0.90
0.30
0.70
0.90
1.00
5.50
0.30
0.30
0.20
0.20
0.20
0.80
0.20
0.20
0.20
0.60
0.40
0.40
0.70
0.30
30.60
0.20
0.20
Ag - rocks
(ppm)
> 5
1 - 5
0.2 - 1
0.1 - 0.2
< 0.1
250
0
250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 8. Silver in Rock Samples
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.


-131°22'
-131°21'
-131°20'
370000E
370500E
371000E
371500E
372000E
6715000N
6714500N
6714000N
6713500N
60°33'
Property boundary
0.02
0.04
0.02
0.04
0.25
0.04
0.01
0.01
2.04
0.01
0.01
Au - rocks
(g/t)
> 1
0.5 - 1
0.02 - 0.5
0.01 - 0.02
< 0.01
250 0 250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 9. Gold in Rock Samples
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.

10.2 Soil Geochemical Survey

A total of 41 soil samples were collected during the 2012 program (Figure 10). Soil sampling was conducted along claim location lines. Results are summarized below.

10.2.1 Molybdenum

Molybdenum values in soil samples range from 0.53 to 75.15 ppm (Figure 11). All samples with Mo values above 25 ppm are located on the slope on the west side of the creek in a NW trending zone that is open to the north and the south. This along with results from rock samples points towards a source of Mo along the ridge on the west of the property. On the east side of the creek, 3 samples are weekly elevated above background values, potentially pointing toward a second separate source of Mo on the property.

10.2.2 Copper

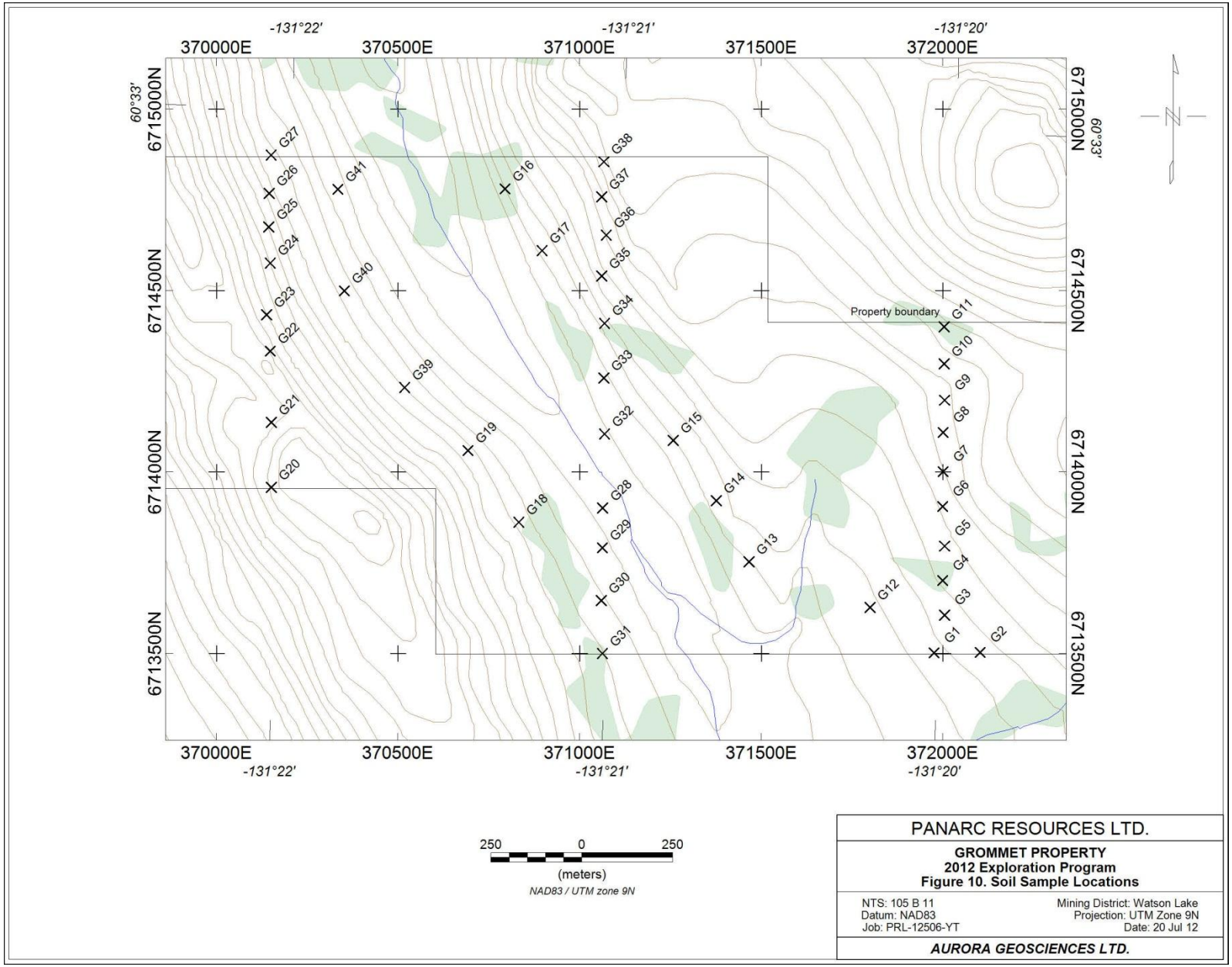
Copper values in soils range from 13.89 to 272.99 ppm (Figure 12). Three strongly anomalous samples (G25, G25, G26) with values above 240 pm are found in the northwest corner of the Property. These three samples were all collected along the slope to the west of the creek. A few other samples along the slope have moderately elevated copper values. These along with the 3 strong samples form a NW-SE trend loosely matching that observed with Mo. In a separate zone to the east of the creek, 4 samples have values from 167 to 216 ppm. A rock sample taken from a nearby outcrop on the ridge to the NE had weakly elevated Cu. This suggests there could be another source of copper to the North of the property in this area.

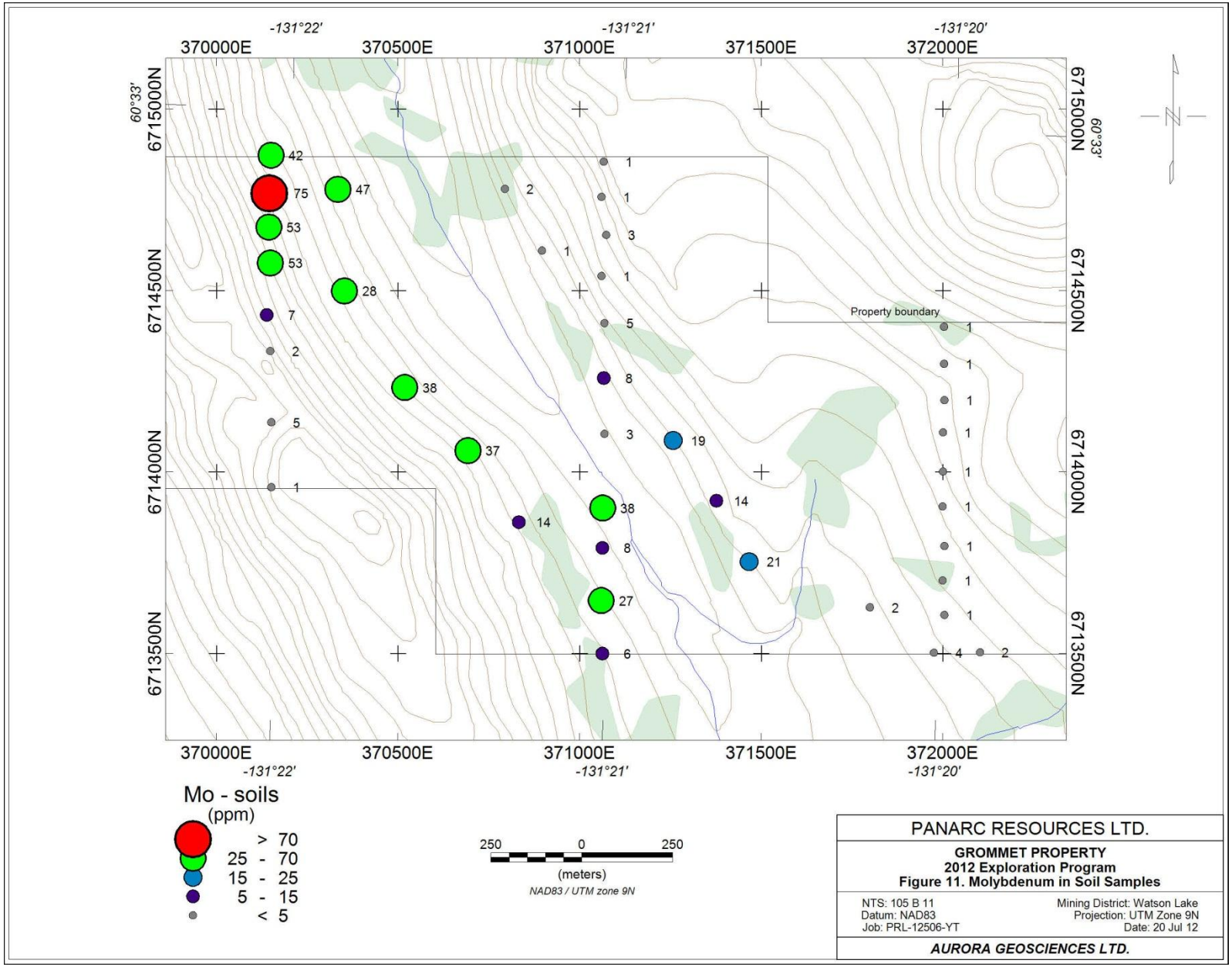
10.2.3 Silver

Silver values in soils range from 30 to 3646 ppb (Figure 13). Four samples are strongly anomalous with values above 1000 ppb. G17, G36 and G37 are located in the north central portion of the Property to the east of the creek. These are coincident with elevated Cu values in soils and downslope from weakly elevated Ag values in rock samples. On the west side of the creek several samples along the slope in a NW-SE trend have moderately elevated values. This trend coincides with the Mo and Cu in soil anomalies. Sample G30 on the south end of the trend is near rock sample GR36 (from outcrop). This source appears to be lower in the valley than is seen to the NW. This could indicate it is a separate anomaly or a widening of the zone to the south.

10.2.4 Gold

Gold values in soil range from 0.5 to 335.1 ppb (Figure 14). Two very strongly anomalous samples (G36 and G37 at 160 and 335 ppb) are located in the north central area of the Property, up the slope to the east of the creek. These elevated values are coincident with Cu and Ag anomalies in soils and in a nearby rock sample. Partway up the slope to the west of the creek, 3 samples have weakly to moderately elevated Au. This are also coincident with elevated Cu and Ag as well as Mo in soils.


-131°22'
-131°21'
-131°20'
370000E
370500E
371000E
371500E
372000E
60°33'
6715000N
6714500N
6714000N
6713500N
Property boundary
G1
G2
G3
G4
G5
G6
G7
G8
G9
G10
G11
G12
G13
G14
G15
G16
G17
G18
G19
G20
G21
G22
G23
G24
G25
G26
G27
G28
G29
G30
G31
G32
G33
G34
G35
G36
G37
G38
G39
G40
G41
250
0
250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 10. Soil Sample Locations
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.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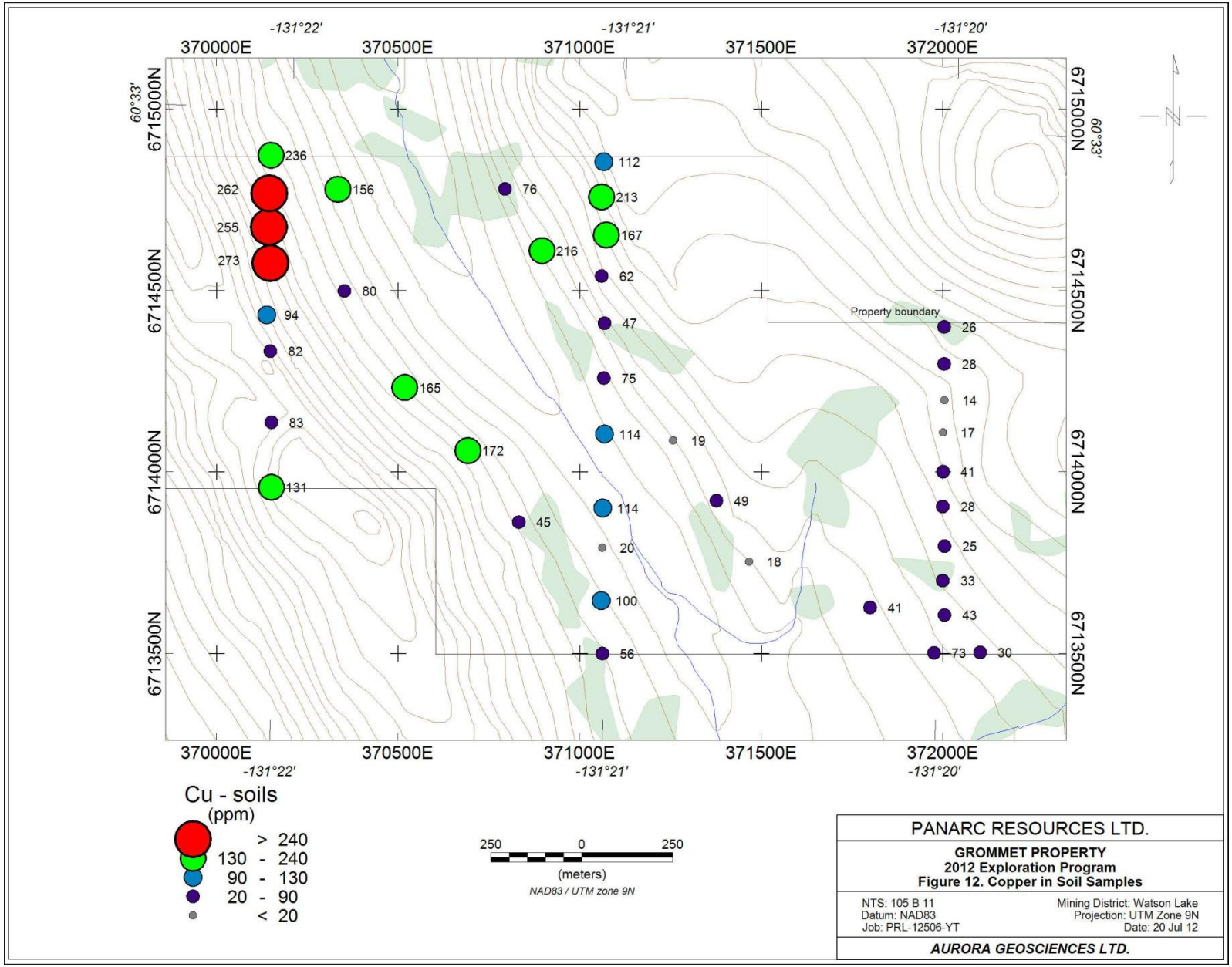
-131°21'
-131°20'
370000E
370500E
371000E
371500E
372000E
60°33'
6715000N
6714500N
6714000N
6713500N
Property boundary
42
75
47
53
53
28
7
2
38
5
37
1
1
2
1
3
1
5
8
3
19
14
38
8
14
21
27
6
2
1
1
1
1
1
1
1
1
1
1
1
1
1
4
2
Mo - soils
(ppm)
> 70
25 - 70
15 - 25
5 - 15
< 5
250
0
250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 11. Molybdenum in Soil Samples
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.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-131°21'
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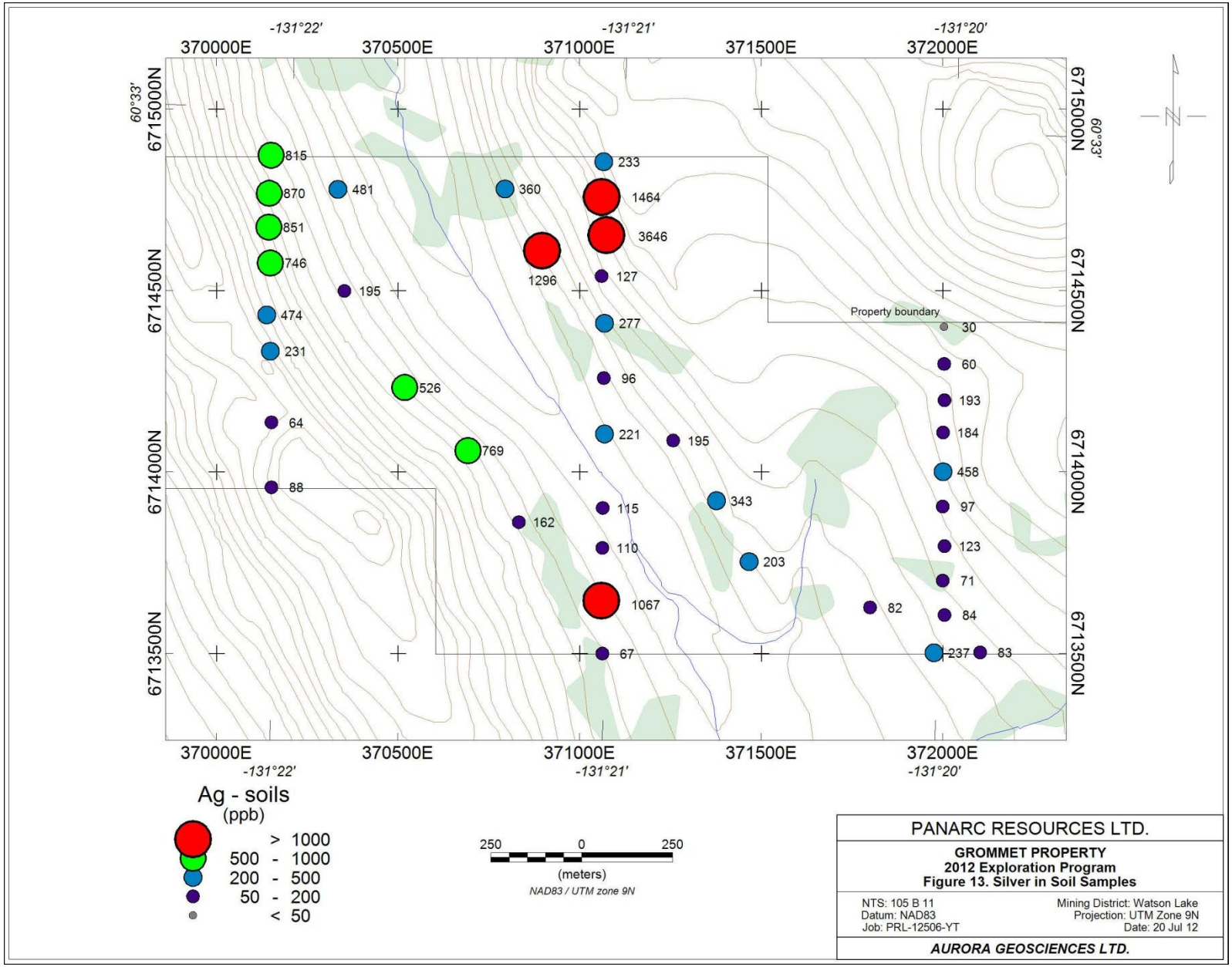
370000E
370500E
371000E
371500E
372000E
6715000N
6714500N
6714000N
6713500N
60°33'
236
262
255
273
156
80
94
82
165
83
172
131
76
112
213
167
216
62
47
75
114
19
114
49
45
20
18
100
56
41
Property boundary
26
28
14
17
41
28
25
33
43
73
30
Cu - soils
(ppm)
> 240
130 - 240
90 - 130
20 - 90
< 20
250
0
250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 12. Copper in Soil Samples
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.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370000E
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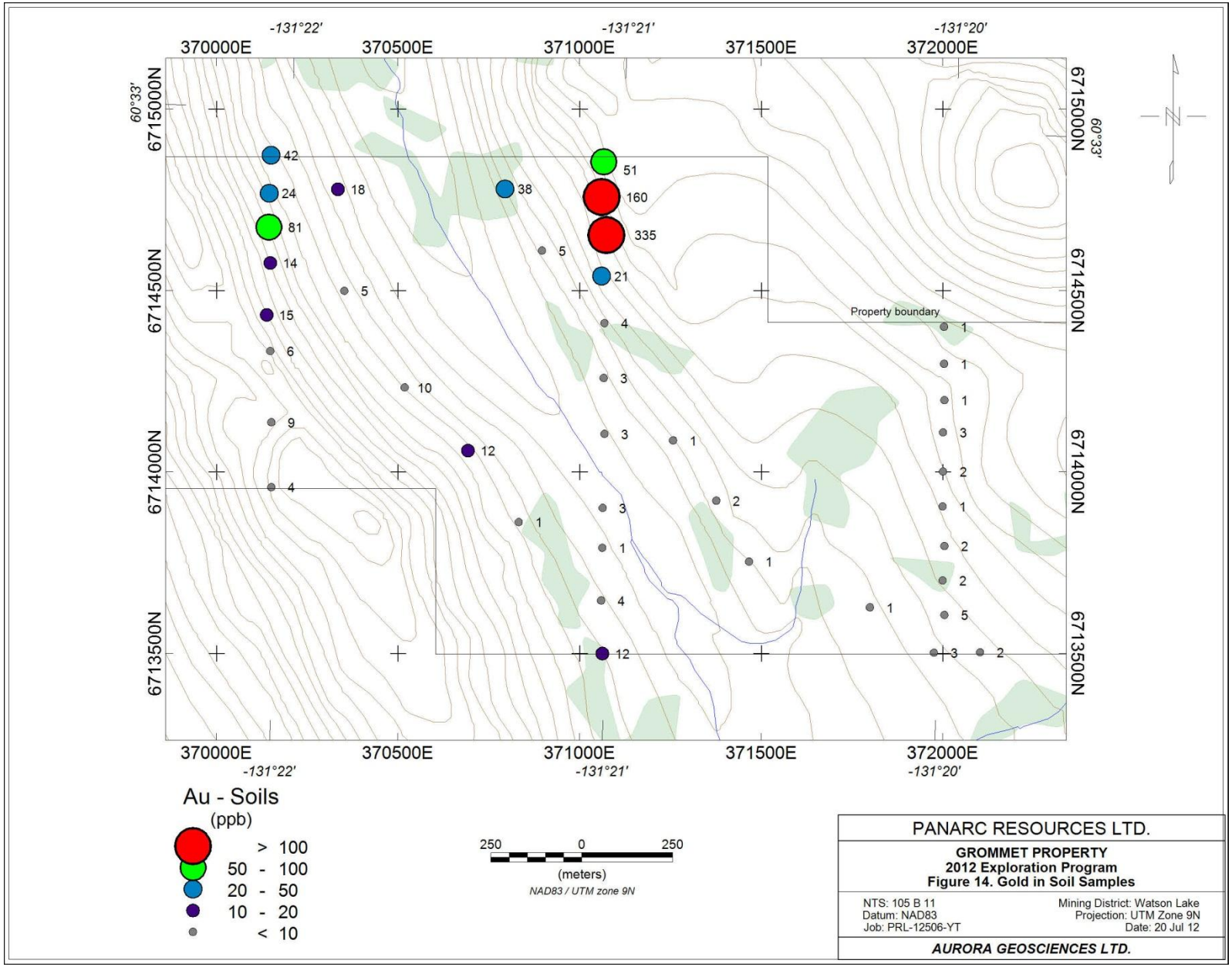
372000E
60°33'
6715000N
6714500N
6714000N
6713500N
815
870
851
746
474
231
64
88
481
195
526
769
360
233
1464
3646
1296
127
277
96
221
195
115
110
1067
67
162
343
203
Property boundary
30
60
193
184
458
97
123
71
84
237
83
82
Ag - soils
(ppb)
> 1000
500 - 1000
200 - 500
50 - 200
< 50
250 0 250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 13. Silver in Soil Samples
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.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-131°20'
370000E
370500E
371000E
371500E
372000E
60°33'
6715000N
6714500N
6714000N
6713500N
Property boundary
42
24
81
14
15
6
9
4
18
5
10
12
38
5
51
160
335
21
4
3
3
1
3
1
2
1
1
4
12
1
1
1
3
2
1
2
2
5
3
2
Au - Soils
(ppb)
> 100
50 - 100
20 - 50
10 - 20
< 10
250
0
250
(meters)
NAD83 / UTM zone 9N
PANARC RESOURCES LTD.
GROMMET PROPERTY
2012 Exploration Program
Figure 14. Gold in Soil Samples
NTS: 105 B 11
Datum: NAD83
Job: PRL-12506-YT
Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Jul 12
AURORA GEOSCIENCES LTD.

11 SAMPLE COLLECTION, SECURITY, PREPARATION & ANALYSIS

This section describes principles and procedures used in the collection, security, preparation and chemical analysis of rock and soil samples collected during the work program. All samples collected during the program were sealed in rice bags for transportation to Acme Labs with security tags. Samples were retained in the custody of Aurora personnel throughout transportation to the laboratory. All sample preparation and analyses were performed by Acme Labs in Whitehorse and Vancouver respectively. Acme Labs is ISO/IEC 17025:2005 and ISO 9001 accredited.

11.1 Rock samples

Grab samples were collected during the work program. Samples of apparent high grade mineralization or representative mineralization were collected from bedrock outcrops, rubblecrop and float. The purpose of the sampling was to determine the full range and grade of economic mineralization on the Property.

At the laboratory, rock samples were prepared and analyzed as follows (Acme Labs method codes in parantheses):

1. Crush, split and pulverize 250g rock to 200 mesh (R200-250)
2. Fire assay fusion Au by ECP-ES (G6)
3. 1:1:1 Aqua Regia digestion ICP-MS analysis (1DX)

11.2 Geochemical samples

Soil geochemical samples were collected from the B-horizon (where present) or from the deepest portion that could be reached with a mattock.

At the laboratory, soil samples were prepared and analyzed as follows (Acme Labs method codes in parantheses):

1. Dry at 60C
2. Sieve 100g to -80 mesh (SS80)
3. 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis (1F03)

12 INTERPRETATION AND CONCLUSIONS

The results of geological, geochemical surveys conducted on the Grommet Property to date indicate that molybdenum and copper do expend to the north of the known showings and potentially north of the current property boundary. Cu and Mo do not seem to be spatially or genetically related as seen in the prospecting samples even though the soil results are in some cases similar.

Both rock and soil samples show elevated values in Au and Ag. In soils, Ag and Au anomalies appear to be closely tied with Cu anomalies. In rock samples the connection is not as clear but this may be a result of the limited sampling performed in 2012. Mo does not appear to correlate with Ag, Au and Cu except on the western ridge where all four are present.

The dominant controlling structure appears to be on a NW-SE trend. This is seen in soils for both Mo and Cu/Ag/Au mineralization.

The results of the work to date support the following conclusions:

1. Molybdenum mineralization is present predominantly on a NW-SE trend on the west end of the property. It expands further north than the historical showings and is open both to the North and South.
2. Copper in rock samples does not appear to be spatially or genetically related to Mo. In soils it mimics the NW-SE trend seen in Mo, possibly a function of topography. A second distinct Cu anomaly is present on the east side of the creek. The western anomaly is open to the north and south while the eastern anomaly is open to the North only.
3. The distribution of silver and gold in soils closely matches that of Cu. The same NW-SE trend is present on the west side of the creek and another anomaly to the northeast of the creek. Values in rock samples suggest there might be a third anomaly at the south end.
4. Gold is less widespread than silver but its distribution is closely related. In soils two distinct anomalies are present on the north side of the property, one on the west side of the creek and one to the east. In rocks, the strongest value is from an outcrop on the south end of the property. Overall gold distribution closely matches that of Cu and Ag, in a NW-SE trend on the west side of the property and in a separate occurrence on the east side of the creek.
5. Mo, Cu and Ag are all widespread in soils, especially in the western portion of the property. Gold potential has for the first time been identified and the results warrant follow-up.

13 RECOMMENDATIONS

The conclusions of this report support the following recommendations:

1. A detailed soil sampling program consisting of lines at a 200m spacing with stations at 50m intervals (with possible infill lines at 100m and stations at 25m as conditions and current results warrant). Focus should be on covering the NW-SE trending anomaly west of the creek and the area around the anomaly on the NE side of the creek. Additional sampling on the east side of the property should be conducted, time permitting.

2. A ground magnetometer and VLF should be conducted over the entire property, with special focus on the two anomalous trends seen in the soil and along the ridge tops to the west and east.

3. A detailed mapping and sampling program should be conducted with strong focus on the ridges above the soil anomalies on the west and east side of the creek. The goal being to get a better control of a) the extent of alteration, b) the extent of the granodiorite intrusion and its relationship to the ultramafics, c) the extent, continuity and character of sulphide mineralization and d) structural controls on the lithology and mineralization.

4. Prospecting should be conducted to the north and south of the soil and rock anomalies. Additional staking especially to the north and northwest of the current Property boundary should be conducted. Staking to the east and south would be contingent on positive results from prospecting those areas.

5. A trenching program should be used to follow up on the most prospective anomalies identified by the geophysical and geological surveys.

6. A small Winkie drill program should be used to sample bedrock following or concurrently to the trenching program. This would allow us gain a better understanding of the type and structural controls on the mineralization.

7. Depending on the findings from the above surveys, an IP of HLEM program could be conducted to further delineate mineralization.

8. Further staking should be performed as warranted by the findings of this program.

14 REFERENCES

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Poole, W.H.; Roddick, J.A.; and Green, L.H., 1960. Wolf Lake; Geol. Surv. Can., Map 10-1960.

Yukon Geological Survey, 1992. Yukon Minfile Showing 105B 103.

APPENDIX I. STATEMENT OF QUALIFICATIONS

I, Gabriel Fortin, B.Sc. P.Geo., with a business address in Whitehorse, Yukon Territory do hereby certify that:

1. I am a graduate of the University of Alberta with a B.Sc. (Specialization) degree in Geology obtained in 2007.

2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (registration number 37966) and a Professional Geoscientist registered by the Association of Professional Engineers and Geoscientists of Alberta (licensee 78970).

3. I have been employed in mineral exploration as a geologist since 2006, primarily on projects in the Yukon Territory, Northwest Territories, Nunavut, Alaska and British Columbia.

4. I wrote this report.

5. I have no interest, direct or indirect, nor do I hope to receive any interest, direct or indirect, in Panarc Resources Ltd. or any of its properties.

Dated this 4th day of March, 2013 in Golden, BC.

Respectfully Submitted,

Gabriel fortin B.Sc. P. Geo.

APPENDIX II. PROJECT LOG

AURORA GEOSCIENCES

JOB PRL-12506-YT GROMMET

PROJECT LOG

Mon 17 June 2012	Crew (TK, NM) performed final checks, loaded the truck and drove to Swift River. MP went out with the helicopter to stake additional Grommet claims. Too much snow at Widget to allow any work. Helicopter met the ground crew at Swift River in the early afternoon. The crew flew into Grommet, set up camp and began work. Prospecting and rock sampling until 2230 hours. Weather: Cloudy with showers.
Tues 18 Jun 2012	Crew began work by 0930. Sampling and prospecting both along claim lines and in the valley bottom. Weather: Cloudy with showers and periods of rain.
Wed 19 Jun 2012	Prospecting, sampling and soil sampling both along the mid-slope and valley bottom in the area of the showings. Helicopter arrived at 1730 hours and transported the crew to Whitehorse. Weather: Cloudy with showers.

Crew:

Name	*Address*
Tomasz Kalkowski	c/o 34A Laberge Road, Whitehorse YT Y1A 5Y9
Neil McKinnon	c/o 3506 McDonald Drive Yellowknife, NT X1A 2H1

APPENDIX III. STATEMENT OF EXPENDITURES

Preparation / mobe / demobe		
Crew & equipment preparation	$350.00	
Base map preparation	$200.00	
Truck & driver - 17 Jun 12	$500.00	
Total - prep, mobe, demobe	$1,050.00	$1,050.00
Operations		
Prospecting & sampling: 3 days @ $1050	$3,150.00	
Field supplies (flagging, sample bags, tags)	$50.00	
Total - Operations	$3,200.00	$3,200.00
Supplies & services		
Helicopter charter: Capital Helicopters	$8,528.33	
Groceries	$262.97	
Gas	$71.17	
Total - Supplies & services	$8,862.47	$8,862.47
Analyses & report		
Assays:	$2,418.71	
Report	$3,500.00	
Total - Analyses & report	$5,918.71	$5,918.71
TOTAL EXPENDITURES		$17,981.18

For work conducted between June 16 – 19, 2012

Daily crew charge	
Geologist: T. Kalkowski	$500
Field Assistant: N. McKinnon	$400
Fly camp	$100
Geological equipment & SAT phone	$50
Total - Daily crew charge	$1,050

I certify that this statement of expenditures is complete and true to the best of my knowledge.

Gabriel Fortin., P.Geo

APPENDIX IV. ROCK SAMPLE DESCRIPTIONS

Location (NAD83 Zone 9N)				Recording info		Unit	Foli		
No.	UTME	UTMN	Z	Mapper	Date		S0		S
							S	D	S
GR01	370423	6714393	1460	TK	17-Jun-12	Granodiorite			
GR02	370428	6714125	1549	TK	17-Jun-12	Greenstone			
GR03	370438	6714122	1546	TK	17-Jun-12	Greenstone			
GR04	370445	6714107	1550	TK	17-Jun-12	Greenstone			
GR05	370455	6714090	1557	TK	17-Jun-12	Greenstone			
GR06	370454	6714091	1556	TK	17-Jun-12	Greenstone			
GR07	370453	6714036	1586	TK	17-Jun-12	Greenstone			
GR08	370464	6713969	1612	TK	17-Jun-12	Greenstone			
GR09	370420	6713886	1664	TK	17-Jun-12	Greenstone			
GR10	370170	6714050	1667	TK	17-Jun-12	Greenstone			
GR11	370171	6714063	1665	TK	17-Jun-12	Greenstone			
GR12	370163	6714253	1654	TK	17-Jun-12	Greenstone			
GR13	370123	6714305	1653	TK	17-Jun-12	Greenstone			
GR14	370115	6714333	1646	TK	17-Jun-12	Greenstone			
GR15	370867	6713697	1477	TK	18-Jun-12	Greenstone			
GR16	371075	6714436	1472	TK	18-Jun-12	Greenstone			
GR17	371082	6714838	1591	TK	18-Jun-12	Greenstone			
GR18	371111	6714691	1567	TK	18-Jun-12	Greenstone			

Location (NAD83 Zone 9N)				Recording info		Unit	Foli		
No.	UTME	UTMN	Z	Mapper	Date		S0		S
							S	D	S
GR19	371205	6713610	1421	TK	19-Jun-12	Greenstone			
GR20	370974	6714094	1403	TK	19-Jun-12	Greenstone			
GR21	370893	6714198	1398	TK	19-Jun-12	Greenstone			
GR22	370884	6714207	1400	TK	19-Jun-12	Greenstone			
GR23	370840	6714241	1380	TK	19-Jun-12	Greenstone			
GR24	370778	6714350	1389	TK	19-Jun-12	Greenstone			
GR25	370720	6714407	1388	TK	19-Jun-12	Greenstone			
GR26	370609	6714278	1419	TK	19-Jun-12	Granodiorite			
GR27	370417	6714637	1413	TK	19-Jun-12	Greenstone			
GR28	370599	6714809	1363	TK	19-Jun-12	Greenstone			
GR29	370682	6714661	1376	TK	19-Jun-12	Granodiorite			
GR30	371995	6713528		NM	17-Jun-12	Greenstone			
GR31	371976	6713502		NM	17-Jun-12	Greenstone			

Location (NAD83 Zone 9N)				Recording info		Unit	Foli		
No.	UTME	UTMN	Z	Mapper	Date		S0		S
							S	D	S
GR32	372003	6714201		NM	17-Jun-12	Greenstone			
GR33	372009	6714345		NM	17-Jun-12	Greenstone			
GR34	370875	6714291		NM	18-Jun-12	Greenstone			
GR35	371563	6713582		NM	18-Jun-12	Greenstone			
GR36	371037	6713536		NM	18-Jun-12	Granodiorite			
GR37	371037	6714063		NM	18-Jun-12	Greenstone			
GR38	370979	6714144		NM	18-Jun-12	Greenstone			
GR39	370960	6714172		NM	18-Jun-12	Greenstone			

Location (NAD83 Zone 9N)				Recording info		Unit	Foli		
No.	UTME	UTMN	Z	Mapper	Date		S0		S
							S	D	S
GR40	370907	6714228		NM	18-Jun-12	Greenstone			
GR41	370890	6714261		NM	18-Jun-12	Greenstone			
GR42	370830	6714278		NM	19-Jun-12	Granodiorite			
GR43	370820	6713982		NM	19-Jun-12	Granodiorite			
GR44	370732	6714008		NM	19-Jun-12	Greenstone			
GR45	370695	6714056		NM	19-Jun-12	Greenstone			
GR46	370649	6714102		NM	19-Jun-12	Andesite			

Location (NAD83 Zone 9N)				Recording info		Unit	Foli		
No.	UTME	UTMN	Z	Mapper	Date		S0		S
							S	D	S
GR47	370637	6714118		NM	19-Jun-12	Quartz Monzonite			
GR48	370326	6714678		NM	19-Jun-12	Pyroxenite			

	ation			Veins						Line		
No.	1	S3		V1		V2		V3		L1		L
	D	S	D	S	D	S	D	S	D	T	P	T
GR01												
GR02												
GR03												
GR04												
GR05												
GR06												
GR07												
GR08												
GR09												
GR10												
GR11												
GR12												
GR13												
GR14												
GR15												
GR16												
GR17				35	40							
GR18												

ation				Veins						Line		
No.	1	S3		V1		V2		V3		L1		L
	D	S	D	S	D	S	D	S	D	T	P	T
GR19												
GR20												
GR21												
GR22				130	80							
GR23				170		350						
GR24												
GR25												
GR26												
GR27												
GR28												
GR29												
GR30												
GR31												

	ation			Veins						Line		
No.	1	S3		V1		V2		V3		L1		L
	D	S	D	S	D	S	D	S	D	T	P	T
GR32												
GR33												
GR34												
GR35												
GR36												
GR37												
GR38												
GR39												

ation				Veins						Line		
No.	1	S3		V1		V2		V3		L1		L
	D	S	D	S	D	S	D	S	D	T	P	T
GR40												
GR41												
GR42												
GR43												
GR44												
GR45												
GR46												

ation				Veins						Line		
No.	1	S3		V1		V2		V3		L1		L
	D	S	D	S	D	S	D	S	D	T	P	T
GR47												
GR48												

	ation			Sulphides				Altn
No.	2	L3		Py	Cpy	Mol	Other	
	P	T	P	%	%	%	%	
GR01				1	3			Sericite
GR02				1	6			Limonite
GR03				<1				Silicitized
GR04				1	2			Limonite
GR05				1	1			Limonite
GR06						2		Silicitized
GR07				5				Limonite
GR08				2				Limonite
GR09								Limonite
GR10				7	3			Limonite
GR11				3				Limonite, s
GR12				1				Limonite
GR13				1				Silicitized
GR14								Silicitized
GR15				4	1?			
GR16								Silicitized
GR17				7				silicitized,
GR18				1				limonite

	ation			Sulphides				Altn
No.	2	L3		Py	Cpy	Mol	Other	
	P	T	P	%	%	%	%	
GR19				1				
GR20				1				silicitized
GR21				1				silicitized
GR22				1				
GR23				40				silicitized
GR24				3				silicitized
GR25				2	2			silicitized
GR26				2	2	1		limonite
GR27								silicitized
GR28				1	1			limonite
GR29				1	1	1		silicitized
GR30								
GR31								

	ation			Sulphides				Altn
No.	2	L3		Py	Cpy	Mol	Other	
	P	T	P	%	%	%	%	
GR32								
GR33								
GR34								
GR35								
GR36								
GR37								
GR38								
GR39								

	ation			Sulphides				Altn
No.	2	L3		Py	Cpy	Mol	Other	
	P	T	P	%	%	%	%	
GR40								
GR41								
GR42								
GR43								
GR44								
GR45								
GR46								

	ation			Sulphides				Altn
No.	2	L3		Py	Cpy	Mol	Other	
	P	T	P	%	%	%	%	
GR47								
GR48								

No.	Description
GR01	300m from creek, upslope on W side of creek, float boulder approximately 30cm^3. Granodiorite rock, rusty grey weathered, white to dark grey fresh. coarse grained (2-4mm), crystalline, composed of dark black flaky cleavaged biotite (15%), white to grey crystals lacking cleavage (quartz, 30%), white to grey, seritized (white powdered texture), plagioclase feldspar (20%), and dark, almost bladed crystals of hornblende (30%). Also contains up to 5% sulphides, mostly chalcopyrite but also pyrite.
GR02	Midslope outcrop, 8x10m, massive but fractured greenstone. rusty dark grey to black weathered, dark grey rusty fresh. composed of med to coarse grained crystals, 10% quartz, grey to white crystals, as well as other dark mafic minerals. 5-10% sulphides in the sample taken, mostly chalcopyrite, disseminated with grains no larger than 1mm, golden with some purple tarnish. Some possible limonite alteration on surface.
GR03	Midslope outcrop, 3x5m, quartz rich zone 40cm thick, no strike or dip, within fine-grained greenstone rock. orange-white fresh and weathered. sugary, crystalline. slightly fractured, which are sometimes occupied with sulphide grains, albeit rarely. less than 1% sulphides present.
GR04	Midslope outcrop, 20x5m, massive but fractured randomly. Greenstone rock, rusty dark grey weathered, grey-green fresh. fine grained crystalline, some limonite alteration possible along with the iron oxidization. disseminated with sulphides, 1-3%, mostly tarnished yellow chalcopyrite with grains ~1mm or less.
GR05	Midslope outcrop, 50x10m, massive but fractured greenstone. rusty grey weathered, grey with some white to light grey quartz looking crystals (5%) fresh. Disseminated with sulfides, some of which concentrate in fractures forming almost vein-like features. 1-3% sulphides, composed of both yellowish chalcopyrite and more dull pyrite.
GR06	Quartz vein in the same outcrop as GR05, 10cm thick, yellow white fresh and weathered. contains metallic grey molybdonite (1-3%), concentrated at the margins of the vein. Some fine vuggs within the vein hint at the possibility of weathered out sulphides.
GR07	Float rock found in debris field mid-slope, appears to be heavily altered greenstone. dark grey-purple to rusty orange weathered and fresh. vuggy. contains area of coarse 1-2mm well crystallized dull grey metallic pyrite, possibly some arsenopyrite, surrounded by weathered rusty areas. limonitic alteration present. some silicification. disseminated with sulphides, mostly pyrite, throughout.
GR08	Midslope outcrop, 10x3m, massive but fractured greenstone. Rusty grey to dark grey purple weathered, grey fresh. limonitic alteration present, yellow to orange powdery. greenstone is fine grained with some silicitization. disseminated sulphides, comprising 1-2%, <1mm large and composed of primarily pyrite, and possibly some chalcopyrite.
GR09	Large outcrop near summit, near silicified area. sample collected from rusty dark grey-purple area 20cm^2. rusty grey fresh. limonitic alteration present, as yellow-orange powdery mineral. disseminated sulfides comprise about 1% of the rock, and are composed mostly of pyrite. greenstone is fine grained and has some vuggs where other sulphides may have weathered out of.
GR10	Outcrop near summit knife edge above talus slope, rusty fractured rock, greenstone, found among non-rusty shards of greenstone. dark grey-purple rusty weathered, dark green-grey fresh. disseminated heavily with sulfides, primarily pyrite but also chalcopyrite, 10-15%, fine grained. the greenstone is fine to medium grained crystalline, not silicified.
GR11	Same outcrop as above GR10, but more quartz rich, silicified area. rusty orange grey weathered, orange white-grey fresh. quartz disseminated with finegrained sulfides, some with well defined cubic structure, composed primarily of pyrite, forming in clusters and around the occasional angular clast of grey, rectangular, plagioclase? the quartz is white to light grey orange crystalline. limonitic alteration and vuggy texture present where sulphide grains may have weathered out.
GR12	Knife-edge outcrop, rusty lenses 1x3m, 4 of which are observed in 30m area. Greenstone, medium to fine grained, composed of a fair bit of pyroxene due to observed cleavage in some of the dark mafics. disseminated sulphides composed of pyrite, and form in patches within the rock, and comprise no more than 1-2% of the rock. limonite alteration present on the surface. greenstone appears massive, albeit fractured.
GR13	Knife-edge greenstone outcrop with terminating randomly orientated quartz veins/patches. rusty grey weathered, green-grey to white orange fresh, where white-grey is more silicified. disseminated sulphides in both the greenstone and silificied areas, no more than 1-2% and mostly pyrite. slightly fractured with fractures appearing dark.
GR14	Near knife edge, greenstone, rusty dark grey to grey-white weathered, green-grey fresh. veined with 1-3cm thick quartz veins striking roughly 320 degrees. sparsely populated with disseminated sulphides, less than 1% and composed of fine grained pyrite. greenstone is med to fine grained, while quartz rich areas, which are orange-grey to white are fine grained crystalline, and appear to be slightly seritized.
GR15	Float rock found in debris field 200m upslope from valley bottom on W side. rusty grey weathered, dark green-grey and slightly rusty fresh. fine grained greenstone with some (5%), white-grey quartz/plag. disseminated with fine grained sulphides, mostly pyrite but also possibly chalcopyrite.
GR16	Midslope outcrop 1x2m of rusty fractured greenstone rock, surrounded by talus around and below. rusty grey weathered, green-grey fresh. silicified with grey quartz (20%) that intermingles with the greenstone to form bladed veins. very sparse disseminated pyrite, fine grained.
GR17	Outcrop on knife-edge, rusty, heavily altered vein striking 035-40 in greenstone, 20cm thick and continuous for at least 20m. rusty brown-grey weathered, rusty green white-grey fresh. very altered, vuggy and silicified. the vuggs appear where sulphides may have been weathered out. disseminated sulphides within the vein, mostly in patches, composed of mostly fine grained yellow-grey metallic pyrite and comprising approximately 5-7% of the vein.
GR18	Near knife edge, found in debris field on talus slope, rusty rock similar to that of nearby outcrop. rusty grey-orange weathered, dull green-grey fresh. very fine grained greenstone, slightly fractured, and with disseminated sulphides within, 1%, composed of fine grained pyrite. greenstone is very fine grained crystalline, and has some silicification present.

No.	Description
GR19	Rusty rock found in stream at valley bottom, stream very rich in iron oxide residue. Greenstone, rusty dark grey to grey weathered, green-grey fresh. fine grained, crystalline. disseminated sulphides, comprised in fine grained pyrite, approximately 1% of rock.
GR20	Found in debris field next to strewam, among rusty coloured rocks. Greenstone, rusty dark grey-green weathered, rusty beige-grey-green fresh. fairly altered and somewhat silicified as well as seritized. clasts of plagioclase, seritized. fine grained. disseminated, cubic crystals of pyrite no larger than 1mm or less, some tarnished from dull grey-yellow metallic to dark grey. small cubic vuggs where sulphides weathered out. 1% sulphide composition.
GR21	Found in debris next to stream in outcrop 3x4m, rusty patch within the outcrop 1x2m. very rusty purple grey weathered, dark grey fresh with orange-white quartz within (15%) due to possible silicitization. quartz is medium grained crystalline, while greenstone is fine grained. disseminated pyrite found within, very fine grained, comprising 1% of rock. rock is slightly fractured.
GR22	130-80 strike dip fracturing within rusty rock next to stream in outcrop. rusty orange-grey weathered, grey fresh. sulphides found inside composed of pyrite, which formed disseminated lines within the rock, and was 1-2% of rock. greenstone very fine grained, while pyrite was dull yellow-grey metallic, <1mm and cubic. rock is fractured with rusty portions mostly along fractured lines.
GR23	Outcrop near stream. fine grained greenstone, rusty dark grey weathered, dark green-grey fresh. has a zone of heavy alteration striking roughly 350/170 which is silicified and altered. main vein area is 3-7cm thick, with center heavily mineralized with course grained pyrite (1-3mm) which can comprise up to 40% or more of the vein. Also present within the pyrite are lenses of magnetite, very magnetic dark fine grain mineralization. the outer margins of the vein contain disseminated pyrite, as well as possible realgar and malachite, as evident in the red and green hued surface mineralization respectively.
GR24	found in loose rock on outcrop 1x1m on edge of stream. greenstone fine grained with silicification, including quartz veining 1-2cm thick and fairly coarse grained crystalline white-orange. dull rusty grey weathered, grey to grey-green fresh. disseminated with sulfides, up to 1-2mm big, particularly around and in the veined area, composed of pyrite, 1-3% of rock but 5% of vein.
GR25	rusty rock found in marsh at valley bottom 25m from stream. greenstone fine to medium grained (up to 1mm), rusty green-grey fresh and weathered. Has 5mm thick vein running through it, silicified and rich in sulphides, both pyrite and chalcopyrite, comprise 30% of vein. disseminated sulphides also rich in area 1-2cm around vein. sulphides are fine to medium grained, 1-2mm max and cubic. vuggy rusty texture in the greenstone suggests weathered out sulphides.
GR26	Float found in talus rock pile below bench on midslope of mountain. rusty orange grey weathered, black to light grey rusty fresh. composed of 15% white to light grey quartz, 75% biotite/hornblende (mostly hornblende), dark black with good cleavage, and seritized yellow-white plag (5%). coarse grained, crystals up to 5mm. has quartz vein, 5mm thick, running through it. silvery metallic molybdenite grains are associated with the vein, forming lenses next to the vein up to 5mm long and 1mm thick. fine grained disseminated yellow chalcopyrite, tarnished, as well as pyrite, found throughout the rock. some surface limonitic alteration.
GR27	Loose float rock in middle of buck brush 180m upslope from creek (East side). rusty orange-grey weathered and fresh. some thin (2-5mm) quartz veining inside. greenstone, fine grained. sulphides present (1-3%) concentrated near the thin veining (which is white to orange, fine grained quartz), primarily pyrite, med coarse (1-2mm) cubic grains.
GR28	float in debris field, rusty, 50m E of stream in valley bottom. rusty dark purple grey weathered, orange grey fresh. disseminated sulphides present, pyrite and chalcopyrite, fine grained up to 0.5mm. rock is quartz rich and may be an altered granodiorite. host rock is medium grained, orange-white quartz with no cleavage along with other darker unidentified minerals.
GR29	small outcrop found near stream in valley bottom, 1x1m. grey-purple rusty weathered, black-clear-grey fresh. 15% orange to clear quartz, ~10% grey slightly seritized plagioclase feldspar, 73% dark minerals. may be altered, silicified greenstone. medium grained rock, up to 1mm crystals. disseminated sulphides inside, fine grained, consisting of molybdenite, pyrite and chalcopyrite. Some possible very thin quartz veining which concentrates the sulphides slightly.
GR30	K948501: Float rock sample (371995 E, 6713528 N) -F.g. blue/green greenstone (0.25-1mm) too small to determine mineralogy. -heavily chloritized (>60%), minor iron staining (5%). -Weak fabric seen in alignment of some mineral grains. -small 2-4mm veins of quartz run though rock (3-5% of rock). -Sulphides disseminated throughout rock. Where fluids have been able to travel there are higher concentrations and better shaped sulphide crystals. -pyrite: 2-4%, subhedral, 0.25-2mm. -Arsenopyrite: 1%, anhedral, < 1mm.
GR31	K948502: float rock sample (371976 E, 6713502 N) -F.g. blue/green greenstone (.25-1mm) too small to identify matrix minerals. -heavily chloritized (>60%). -2-10mm veins of quartz (10%) in which euhedral crystals of pyroxene(Dark green/black,1-5mm, 5-8%) and sulphides (1-4mm) are found. -sulphides occur as anhedral, globular masses of mixed pyrite, arsenopryite and possibly chalcopyrite(tarnished/brassy yellow). total sulphide content or rock 2-4%.

No.	Description
GR32	K948503: Float rock sample (372003 E, 6714201 N) -F.g. blue/green greenstone (< 1mm) too small to determine mineralogy. -weak fabric seen in alignment of some larger mineral grains. -heavily chloritized (>60%). -Arsenopyrite occuring in greenstone as thin stringers (< 1mm, 1%). -0.5-1mm ironstained veins of quartz. no mineralization seen (2-4%). -Silvery staining occurs on some rock surfaces. possibly specular hematite precipitated by fluids?
GR33	K948504: Float rock sample (372009 E, 6714345 N) -F.g. dark blue/green greenstone (< 1mm) too small to determine mineralogy. -weak fabric seen in alignment of some larger mineral grains. -heavily chloritized (>60%). -0.25-1mm veins of quartz and plagioclase (2-4%). Plagioclase veins are ironstained and seritized. -silvery black staining occurs on many rock surfaces. possible molybdenite or hematite staining from fluid movement.
GR34	K948505: Creekside outcrop of greenstone (370875 E, 6714291 N) -10X10m outcrop of blue/grey weathering greenstone. Fresh surface is dark blue/green. blocky cleavage. dominant jointing along 277/20. -heavily mineralized quartz veining (2-4cm, 4 veins seen in outcrop, 2-5% of rock). - quartz/k-feldspar veining has silicified the surrounding greenstone, pervasively altering 2-5cm into the rock and continuing to partially alter the more distal rock. -greenstone(hostrock) contains less that 2% sulphides (< 1mm). Vein mineralogy: - quartz rich zones highly iron and sulphur stained (red/orange/yellow,30-50% of vein). - zones of high percentage k-feldspar (cleavage, pinky/white colour) contain a fiberous, radially acicular, light green mineral. Possibly actinolite or another form of hornblende. -sulphides are present in both the quartz rich and k-feldspar rich portions of the veining. Pyrite (subhedral,1-3mm,3-5%). Arsenopyrite (anhedral, 0.25-1mm, 1%).possible chalcopyrite intergrown with the pyrite (brassy yellow, subhedral, 1mm avg., 1-3%). -Magnetite present in ironstained quartz (black, magnetic,subhedral, 1-2mm, 1%). -Realgar present in granular form (red,vitreous/greasy, orange streak, <1mm, 1%).
GR35	K948506: float rock sample (371563 E, 6713582 N) - found 30m above creek in creekside slope. -F.g. blue/green greenstone (0.25-1mm) too small to determine mineralogy. -heavily chloritized (>60%), minor iron staining (5%). -Iron/sulphur staining present throughout rock (10-20%). -5-20mm veins of quartz run though rock (5-10%). some veins are mineralized (4-5% sulphides) some veins are barren. -Pyrite (subhedral, 1-3mm, 3-5%), chalcopyrite (subhedral, brassy/tarnished yellow, 1-2mm, 1%), arsenopyrite (anhedral, < 1mm, 1%).
GR36	K948507: Creekside Outcrop (371536 E, 6713536 N) -2X5m outcrop, 20m above creek in creekside slope. -V.C.G. Granodiorite: Quartz(1-5mm,3mm avg., 45-50%),Plagioclase-Feldspar(1-6mm, 3mm avg, subhedral, 30-35%), Biotite (1-3mm, 2mm avg., subhedral-euhedral 10-15%). -Pyrite(1-2mm, subhedral,3-6%), arsenopyrite (< 1mm, 1% anhedral), chalcopyrite (brassy/tarnished yellow, subhedral, 1-2mm, 1-2%). -suphides are disseminated thoughout intrusive host rock.
GR37	K948508:Boulderfield float rock (371037 E, 6714063 N) -F.g. blue/green greenstone (0.25-1mm) too small to determine mineralogy. -heavily chloritized (>60%), minor iron staining (5%). -20m from active creek channel. likely abandoned/flood channel. -sulphides disseminated throughout greenstone, but also occur in concentrated stringers(0.5-1mm width, 2-10mm length). -pyrite(1-2mm, subhedral, 3-5%). Arsenopyrite (< 1mm, anhedral, 1%).
GR38	K948509: boulderfield float rock (370979 E, 6714144 N) -F.g. blue/green greenstone (0.25-1mm) too small to determine mineralogy. -heavily chloritized (>60%), moderate iron staining (10-15%). -1-3cm quartz vein in rock which contains pyrite (1-2mm, subhedral-euhedral, 10-15%), possibly some v.f.g. pyrite intergrown. -host rock is moderately mineralized with sulphides near the veining. Pyrite (1-2mm, subhedral, 4-6%). -20m from activve stream channel. likely abandonded/flood channel.
GR39	K948510: Boulderfield float rock (370960 E, 6714172 N) -F.g. blue/green greenstone (0.25-1mm). Heavily silicified (>30%). -heavily chloritized (>60%), minor iron staining (5%). -small stringers/lamenae (1mm width, 4mm length) of pyrite. -Disseminated pyrite throughout rock (0.5-1mm, 3-5%, subhedral). -10m from active stream channel. likely abandoned/flood channel.

No.	Description
GR40	K948511: active creek boulderfield float rock (370907 E, 6714228 N) -Aphanitic, white/cloudy quartz boulder with abundant sulphur staining (20-25%). minor iron staining(5-10%). -Quartz has been dissovled by fluids, as evidenced by the abundance of 1-4mm vug like structures (7-12%). -pyrite(1-2mm, subhedral-euhedral, 5-12%) and arsenopyrite (1mm, subhedral-anhedral, 3-5%) are found infilling the dissolution vugs in the quartz host rock. -found beside active stream channel
GR41	K948512: Active creek boulderfield float rock (370890 E, 6714261 N) -F.g. blue/green greenstone (0.25-1mm) too small to determine mineralogy. thin layers (0.5-1mm) of white/cloudy quartzoccur throughout rock. -heavily chloritized (>60%), minor iron staining (5%). -Quartz vein (1-3cm) with red/orange iron stains is highly mineralized with pyrite(1-3mm, subhedral-euhedral, 15-20%), magnetite (magnetic,black, subhedral, 1mm, 3-4%), Molybdenite(bright silvery/blue metallic luster,0.5-1mm, anhedral,1%), malachite(light green, granular/earthy, 1mm, 1-2%), and a purplish weathering mineral(highly altered to purple clay, occurs with magnetite,1-3mm, 2-4%) which is likely hematite. - host rock is moderately minderalized with disseminated pyrite(0.5-1mm, 5-9%, anhedral) and specular magnetite (< 1mm, anhedral, 3-10%).
GR42	K948513: Creekside Outcrop (370830 E, 6714278 N) -F.g. blue/green greenstone (0.25-1mm) too small to determine mineralogy.heavily chloritized (>60%). -Fresh suface: dark blue/green, Weathered surface: mottled orange and grey. - Outcrop size : 2 X 12m, dominant jointing: 158/10 -4 quartz veins run through outcrop, 2 concordant with jointing, 2 approximately 45 degrees offset. veins are 1-3cm wide, run the length of the outcrop and are spaced approximately 0.5m apart. -Quartz veins contain sulphide mineralization. pyrite (1-6mm, subhedral, 15-20%), chalcopyrite(1-3mm,subhedral, 3-6%). -Host rock (greenstone) is mineralized locally around the veining, with disseminated pyrite(0.5-1mm, subhedral, 3-6%). -Highly choritized (>60%).
GR43	K948514 : Talus slop boulderfield rock (370820 E, 6713982 N) -C.g. (Granite/Granodiorite): Quartz(1-6mm, 3mm avg.,30-35%), Plagioclase feldspar (cloudy/white, cleavage, 1-6mm, 4mm avg, subhedral 20-25%), K-feldspar (cloudy/pinky-orange, cleavage, 1-6mm, 3mm avg, 20-25%), Biotite(1-4mm, 2mm avg., subhedral-euhedral, 5-10%).Biotite crystals are partially chloritized, as seen by their green hue and look to be staining the other minerals with a slight orange hue. The feldspars in the rock are altering to clays, giving the fresh surface of the rock a chalky appearance until wetted. -Sulphides are disseminated thoughout igneous intrusive. Pyrite(0.5-1mm, subhedral, 1-3%). -fresh surface: white/pink flecked with green. Weather surface: orange stained flecked with white.
GR44	K948515: Talus slope boulderfield rock (370732 E, 6714008 N) -M.g. hornblende-biotite-andesite: Quartz(1-4mm, 2mm avg., 5-10%), Plagioclase(1-4mm, 2mm avg., 25-30%), Hornblende(2-4mm, 2mm avg, subhedral, 30-40%), Biotite(2-4mm, 2mm avg., subhedral, 15-20%). -Ironstained quartz vein(4mm) runs through rock, but does not show signs of sulphide mineralization, however at the intersection of two of these quartz veins, abundant sulphide mineralization occurs(15-20% locally, same relative whole rock proportion). -Sulphide mineralization occurs as 3-10mm pods disseminated throughout rock: pyrite(1-2mm, subhedral,4-7%), may have minor amounts of arseno pyrite(< 1mm, 1%).
GR45	K948516: talus slope float rock (370695 E, 6714056 N) -F.g. Blue/green silicified greenstone. too small to identify mineralogy. -highly chloritized (>50%). -1.5cm clear quartz vein runs through rock. minor sulphide mineralization occurs within vein: Pyrite(1mm,subhedral, 1%). -greenstone is mineralized with disseminated sulphides proximal to the vein. pyrite(1mm, subhedral, 2-3%). also occurs in stringers (0.5mm width, 4-10mm length, same relative percentage).
GR46	K948517: Talus slope float rock (370649 E, 6714102 N) -F.g. porphyritic intermediate igneous rock(andesite?): Groundmass is heavily chloritized(>50%) and is difficult to determine mineralogy: mixture of F.g. plagioclase(60%) and hornblende(40%). -phenocrysts of anhedral, clear quartz(2-4mm, 10%). -disseminated sulphides throughout rock, hosted in ground mass: pyrite(0.5-1mm, subhedral-anhedral, 1-3%), arsenopyrite(0.5-1mm, anhedral, 1%). -disseminated grains of magnetite present within groundmass(1-2mm, subhedral,magnetic, 1%). -iron staining is present on rock surfaces(5%).

No.	Description
GR47	K948518: talus slope float rock (370637 E, 6714118 N) -V.F.G. porphyritic felsic rock (Quartz monzonite?). -Groundmass(75% of rock):aphanitic, white/grey, noncalcareous mixture of quartz and plagioclase. -Phenocrysts(25% of rock, subdivided into mineral percentages out of 100%): Quartz(clear,2-5mm, anhedral, 25%), k-feldspar(yellow/clear, cleavage, 2-4mm, 25%), hornblende(lath-shaped, subhedral, 2-6mm, 35%), biotite(2-4mm, subhedral, 15%). - 1-2cm Vein of iron-stained quartz runs through the intrusive rock. sulphide mineralization occurs soley within the vein: Pyrite(1-2mm, subhedral, 2-3%), Chalcopyrite(tarnished brassy-yellow, 1-2mm,1-2%), Molybdenite(silvery-blue, very soft, 1mm, 1-2%). -Possible tourmaline in sample: only one crystal seen (dark brown, vitreous luster, elongate crystal habit).
GR48	K948519: talus slope float rock (370326 E, 6714678 N) -M.g. inequigranular Pyroxenite (very dark green crystals, 90-90 cleavage, 2-15mm, 55-60%), Plagioclase groundmass(1-4mm, subhedral, 35-40%). rock weathers light green/grey. -5-15mm plagioclase veins run through rock (10%) and are mineralized with sulphides: pyrite(1-2mm, subhedral, 1-3%). -pyrite(1mm, subhedral, 1-2%) occurs with larger, phenocrysts of pyroxene(10-15mm). small silvery arsenopyrite may also be present(< 1mm, <1%).

APPENDIX V. ROCK SAMPLE ANALYSES

Grommet Claims
SAMPLE TRACKING SHEET
Datum - NAD83 Zone 9N

Sample #	Sampler	Shipment	Certificate	UTME	UTMN	Sample	Weight KG 0.01	Au GM/T 0.01	Mo PPM 0.1	Cu PPM 0.1	Pb PPM 0.1	Zn PPM 1	Ag PPM 0.1	Ni PPM 0.1	Co PPM 0.1	Mn PPM 1	Fe % 0.01	As PPM 0.50	Au PPB 0.5	Th PPM 0.1	Sr PPM 1
GR01	TK	GR-12-01	WHI2000153	370423	6714393	K948501	1.37	0.01	4.5	55.4	2.6	27	0.1	30.5	21.9	303	2.18	0.60	0.7	0.1	27
GR02	TK	GR-12-01	WHI2000153	370428	6714125	K948502	1.20	0.01	1.2	51.0	2.5	19	0.1	20.9	15.9	296	1.45	0.80	0.7	0.1	24
GR03	TK	GR-12-01	WHI2000153	370438	6714122	K948503	1.39	0.01	0.5	87.8	3.5	20	0.1	31.2	19.2	235	1.51	1.20	0.0	0.1	34
GR04	TK	GR-12-01	WHI2000153	370445	6714107	K948504	1.60	0.01	0.1	35.6	1.4	40	0.1	27.9	16.5	378	2.47	3.00	0.0	0.6	17
GR05	TK	GR-12-01	WHI2000153	370455	6714090	K948505	0.98	0.01	96.9	668.4	15.0	33	0.8	36.6	14.7	272	2.93	0.03	2.5	9.9	67
GR06	TK	GR-12-01	WHI2000153	370454	6714091	K948506	1.12	0.01	193.0	135.5	2.7	28	0.2	36.7	29.4	398	2.60	0.03	0.0	0.8	39
GR07	TK	GR-12-01	WHI2000153	370453	6714036	K948507	1.34	0.01	29.3	110.3	14.0	41	0.2	4.3	3.6	345	1.14	0.03	0.0	14.0	45
GR08	TK	GR-12-01	WHI2000153	370464	6713969	K948508	1.24	0.01	1.1	106.4	2.3	23	0.1	17.8	17.9	223	2.82	0.03	2.2	2.8	88
GR09	TK	GR-12-01	WHI2000153	370420	6713886	K948509	0.80	0.01	6.6	55.5	7.4	30	0.1	0.9	11.9	543	4.48	1.60	4.0	8.4	12
GR10	TK	GR-12-01	WHI2000153	370170	6714050	K948510	1.32	0.01	31.4	38.4	21.3	64	0.1	19.6	9.3	1107	1.89	1.90	2.4	10.1	67
GR11	TK	GR-12-01	WHI2000153	370171	6714063	K948511	1.04	0.25	12.0	3.7	133.7	2	0.2	4.2	3.1	36	1.25	1341.50	267.9	0.1	1
GR12	TK	GR-12-01	WHI2000153	370163	6714253	K948512	1.07	0.01	367.5	907.3	69.7	148	0.9	39.1	31.7	1226	7.27	7.00	17.1	5.5	52
GR13	TK	GR-12-01	WHI2000153	370123	6714305	K948513	1.08	0.04	46.0	653.5	32.5	175	0.7	25.5	17.5	1320	3.65	35.60	37.5	5.1	42
GR14	TK	GR-12-01	WHI2000153	370115	6714333	K948514	1.06	0.01	3.2	15.1	13.9	74	0.1	4.0	3.8	474	1.21	0.60	4.1	16.0	24
GR15	TK	GR-12-01	WHI2000153	370867	6713697	K948515	1.55	0.01	353.8	354.3	4.8	34	0.3	12.1	21.3	361	3.79	0.70	2.9	0.5	52
GR16	TK	GR-12-01	WHI2000153	371075	6714436	K948516	1.41	0.01	31.5	74.8	3.4	45	0.1	9.0	17.6	510	3.64	0.60	1.9	0.1	85
GR17	TK	GR-12-01	WHI2000153	371082	6714838	K948517	1.07	0.01	1.8	353.7	7.2	11	0.5	24.9	25.1	147	4.87	0.90	2.6	0.1	82
GR18	TK	GR-12-01	WHI2000153	371111	6714691	K948518	1.57	0.01	300.7	42.3	11.0	21	0.2	3.8	3.8	172	1.05	1.20	0.0	11.8	16
GR19	TK	GR-12-01	WHI2000153	371205	6713610	K948519	1.86	0.01	0.5	31.2	1.6	19	0.1	16.8	20.5	261	2.23	1.10	0.0	0.1	62
GR20	TK	GR-12-01	WHI2000153	370974	6714094	K948551	0.64	0.01	8.4	122.9	6.3	36	0.2	10.5	18.3	479	4.08	0.03	1.5	0.1	108
GR21	TK	GR-12-01	WHI2000153	370893	6714198	K948552	0.35	0.01	7.6	151.9	4.8	25	0.2	7.8	16.8	286	3.97	0.03	2.5	0.1	116
GR22	TK	GR-12-01	WHI2000153	370884	6714207	K948553	0.44	0.01	22.0	49.7	1.9	26	0.1	4.6	8.3	303	2.34	1.10	7.5	0.1	16
GR23	TK	GR-12-01	WHI2000153	370840	6714241	K948554	0.77	0.01	24.3	285.9	7.7	38	0.3	11.9	22.4	347	5.02	0.03	2.0	0.1	113
GR24	TK	GR-12-01	WHI2000153	370778	6714350	K948555	0.62	0.01	94.6	225.9	6.1	24	0.3	10.5	24.3	253	4.21	0.03	0.7	0.1	89
GR25	TK	GR-12-01	WHI2000153	370720	6714407	K948556	0.56	0.01	733.1	31.9	2.0	5	0.1	1.6	2.4	133	1.01	0.80	1.9	0.1	2
GR26	TK	GR-12-01	WHI2000153	370609	6714278	K948557	0.17	0.02	35.4	253.4	36.2	16	1.0	17.0	33.3	136	11.84	61.70	24.0	0.3	5
GR27	TK	GR-12-01	WHI2000153	370417	6714637	K948558	0.68	0.01	657.6	228.5	8.9	39	0.6	3.2	10.5	418	5.26	0.70	5.1	0.1	86
GR28	TK	GR-12-01	WHI2000153	370599	6714809	K948559	0.40	0.01	1.6	1066.1	2.4	98	0.4	25.0	46.3	923	9.14	0.90	5.9	0.2	76
GR29	TK	GR-12-01	WHI2000153	370682	6714661	K948560	0.73	0.02	3.9	3174.9	3.1	57	0.9	40.5	107.0	521	9.40	0.03	32.8	0.1	27
GR30	NM	GR-12-01	WHI2000153	371995	6713528	K948561	0.56	0.01	0.4	186.4	1.1	13	0.2	2.7	6.4	161	2.05	1.30	1.0	0.2	8
GR31	NM	GR-12-01	WHI2000153	371976	6713502	K948562	0.38	0.01	0.3	312.0	2.2	39	0.2	24.0	24.2	476	4.21	0.03	2.6	0.1	83
GR32	NM	GR-12-01	WHI2000153	372003	6714201	K948563	0.38	0.01	0.6	555.2	3.6	21	0.7	116.0	33.5	100	1.35	3.50	3.6	0.1	7
GR33	NM	GR-12-01	WHI2000153	372009	6714345	K948564	0.45	0.01	0.4	21.7	2.6	35	0.1	26.3	19.0	455	3.28	0.03	0.0	0.1	104
GR34	NM	GR-12-01	WHI2000153	370875	6714291	K948565	0.68	0.01	2.9	92.3	3.6	38	0.1	8.3	16.8	399	3.33	0.03	0.0	0.1	56
GR35	NM	GR-12-01	WHI2000153	371563	6713582	K948566	0.58	0.01	4.2	58.0	4.9	44	0.1	13.7	4.3	266	2.19	0.03	0.0	6.9	7
GR36	NM	GR-12-01	WHI2000153	371037	6713536	K948567	0.47	2.04	1.0	115.5	>10000.0	304	30.6	0.9	10.5	150	6.72	>10000.0	2951.3	9.4	4
GR37	NM	GR-12-01	WHI2000153	371037	6714063	K948568	0.76	0.01	1.7	158.7	41.5	16	0.4	3.6	17.3	254	2.19	74.50	6.8	4.5	16
GR38	NM	GR-12-01	WHI2000153	370979	6714144	K948569	0.36	0.01	73.2	96.1	11.3	90	0.1	3.0	14.4	434	3.73	8.50	1.2	11.4	14
GR39	NM	GR-12-01	WHI2000153	370960	6714172	K948570	0.62	0.01	55.1	276.8	7.5	31	0.2	28.6	15.1	644	3.73	4.10	0.7	7.3	51
GR40	NM	GR-12-01	WHI2000153	370907	6714228	K948571	0.49	0.01	18.3	91.5	4.1	43	0.1	2.0	5.1	275	2.78	3.10	0.0	0.6	18
GR41	NM	GR-12-01	WHI2000153	370890	6714261	K948572	0.50	0.01	35.4	258.5	5.8	50	0.3	51.2	45.3	1460	6.19	33.70	3.6	0.2	170
GR42	NM	GR-12-01	WHI2000153	370830	6714278	K948573	0.23	0.04	12.5	4854.9	4.2	166	5.5	61.1	84.4	605	7.56	24.00	28.0	0.2	30
GR43	NM	GR-12-01	WHI2000153	370820	6713982	K948574	0.84	0.01	8.3	339.5	23.5	70	0.4	34.3	16.9	834	3.72	0.80	0.0	15.3	83
GR44	NM	GR-12-01	WHI2000153	370732	6714008	K948575	0.74	0.04	83.7	369.8	9.9	34	0.6	20.9	6.7	307	3.40	24.70	18.1	4.1	4
GR45	NM	GR-12-01	WHI2000153	370695	6714056	K948576	0.69	0.01	201.0	114.7	3.2	34	0.1	8.8	18.1	388	3.74	0.03	1.5	0.1	183
GR46	NM	GR-12-01	WHI2000153	370649	6714102	K948577	0.45	0.01	58.4	106.8	15.3	69	0.1	12.2	22.7	920	5.37	0.60	0.0	0.1	108
GR47	NM	GR-12-01	WHI2000153	370637	6714118	K948578	0.42	0.01	5.8	66.3	4.9	14	0.1	16.1	5.2	139	2.10	1.00	0.0	3.1	11
GR48	NM	GR-12-01	WHI2000153	370326	6714678	K948579	1.11	0.01	0.8	101.5	5.6	65	0.1	4.9	18.2	747	4.33	0.70	0.0	4.0	63

Grommet Claims
SAMPLE TRACKING SHEET
Datum - NAD83 Zone 9N

Sample #	Sampler	Shipment	Certificate	UTME	UTMN	Sample	Weight KG 0.01	Cd PPM 0.1	Sb PPM 0.1	Bi PPM 0.1	V PPM 2	Ca % 0.01	P % 0.001	La PPM 1	Cr PPM 1	Mg % 0.01	Ba PPM 1	Ti % 0.001	B PPM 20	Al % 0.01	Na % 0.001
GR01	TK	GR-12-01	WHI2000153	370423	6714393	K948501	1.37	0.1	0.1	0.4	70	1.33	0.072	1	32	0.63	16	0.258	10	1.17	0.137
GR02	TK	GR-12-01	WHI2000153	370428	6714125	K948502	1.20	0.3	0.1	0.2	53	1.21	0.035	1	20	0.44	18	0.243	10	1.02	0.122
GR03	TK	GR-12-01	WHI2000153	370438	6714122	K948503	1.39	0.1	0.1	0.1	51	1.24	0.049	1	31	0.49	52	0.244	10	1.18	0.112
GR04	TK	GR-12-01	WHI2000153	370445	6714107	K948504	1.60	0.1	0.1	0.1	93	1.47	0.080	2	39	1.03	28	0.246	10	1.47	0.131
GR05	TK	GR-12-01	WHI2000153	370455	6714090	K948505	0.98	0.6	0.4	40.1	24	1.91	0.044	27	24	0.32	43	0.110	10	2.17	0.136
GR06	TK	GR-12-01	WHI2000153	370454	6714091	K948506	1.12	0.2	0.1	0.4	63	0.90	0.052	2	38	0.65	78	0.211	10	1.05	0.120
GR07	TK	GR-12-01	WHI2000153	370453	6714036	K948507	1.34	0.1	0.1	5.4	9	0.86	0.036	19	3	0.14	139	0.009	10	0.50	0.058
GR08	TK	GR-12-01	WHI2000153	370464	6713969	K948508	1.24	0.1	0.1	0.3	78	1.49	0.081	6	17	0.79	203	0.182	10	2.95	0.356
GR09	TK	GR-12-01	WHI2000153	370420	6713886	K948509	0.80	0.1	0.2	1.0	47	0.84	0.094	16	1	0.59	85	0.141	10	1.31	0.044
GR10	TK	GR-12-01	WHI2000153	370170	6714050	K948510	1.32	0.5	0.3	5.5	58	3.88	0.079	14	20	0.36	157	0.097	10	0.91	0.022
GR11	TK	GR-12-01	WHI2000153	370171	6714063	K948511	1.04	0.1	29.1	35.2	1	0.02	0.002	1	2	0.01	7	0.001	10	0.02	0.004
GR12	TK	GR-12-01	WHI2000153	370163	6714253	K948512	1.07	0.6	1.5	680.9	203	2.72	0.098	15	44	1.78	147	0.283	10	2.47	0.069
GR13	TK	GR-12-01	WHI2000153	370123	6714305	K948513	1.08	1.4	7.0	1.4	102	2.48	0.065	10	16	1.08	76	0.175	10	1.61	0.102
GR14	TK	GR-12-01	WHI2000153	370115	6714333	K948514	1.06	1.0	0.1	3.3	16	0.54	0.039	18	4	0.26	91	0.008	10	0.60	0.054
GR15	TK	GR-12-01	WHI2000153	370867	6713697	K948515	1.55	0.5	0.2	1.1	72	1.52	0.050	3	26	0.82	90	0.141	10	2.93	0.290
GR16	TK	GR-12-01	WHI2000153	371075	6714436	K948516	1.41	0.1	0.1	0.4	103	2.38	0.048	1	15	1.22	31	0.171	10	3.94	0.386
GR17	TK	GR-12-01	WHI2000153	371082	6714838	K948517	1.07	0.1	0.2	4.3	45	2.64	0.045	1	9	0.40	18	0.085	10	4.42	0.553
GR18	TK	GR-12-01	WHI2000153	371111	6714691	K948518	1.57	0.5	0.3	0.1	18	0.20	0.036	18	4	0.25	75	0.045	10	0.45	0.057
GR19	TK	GR-12-01	WHI2000153	371205	6713610	K948519	1.86	0.1	0.1	0.1	136	2.79	0.007	1	16	1.11	19	0.092	10	4.60	0.235
GR20	TK	GR-12-01	WHI2000153	370974	6714094	K948551	0.64	0.1	0.3	0.7	102	3.20	0.051	1	19	1.23	43	0.092	10	4.83	0.437
GR21	TK	GR-12-01	WHI2000153	370893	6714198	K948552	0.35	0.1	0.1	3.1	97	2.82	0.052	2	15	0.87	23	0.105	10	4.90	0.478
GR22	TK	GR-12-01	WHI2000153	370884	6714207	K948553	0.44	0.1	0.1	0.7	51	1.13	0.020	1	9	0.69	12	0.042	10	1.81	0.067
GR23	TK	GR-12-01	WHI2000153	370840	6714241	K948554	0.77	0.1	0.1	1.8	113	3.09	0.056	2	24	1.28	27	0.135	10	5.99	0.522
GR24	TK	GR-12-01	WHI2000153	370778	6714350	K948555	0.62	0.1	0.1	1.1	59	3.80	0.051	1	10	0.68	29	0.104	10	6.30	0.571
GR25	TK	GR-12-01	WHI2000153	370720	6714407	K948556	0.56	0.3	0.2	0.4	10	0.17	0.003	1	2	0.12	4	0.004	10	0.21	0.011
GR26	TK	GR-12-01	WHI2000153	370609	6714278	K948557	0.17	0.1	0.6	4.3	32	0.06	0.020	1	6	0.42	17	0.004	10	0.76	0.022
GR27	TK	GR-12-01	WHI2000153	370417	6714637	K948558	0.68	0.3	0.6	0.7	194	1.80	0.062	2	9	1.72	17	0.091	10	4.76	0.404
GR28	TK	GR-12-01	WHI2000153	370599	6714809	K948559	0.40	0.3	0.3	0.1	241	1.55	0.032	1	11	2.33	23	0.113	10	4.87	0.179
GR29	TK	GR-12-01	WHI2000153	370682	6714661	K948560	0.73	0.3	0.4	0.1	88	1.02	0.097	1	158	2.19	8	0.093	10	3.65	0.062
GR30	NM	GR-12-01	WHI2000153	371995	6713528	K948561	0.56	0.1	0.2	0.3	81	0.35	0.095	1	2	0.31	7	0.038	10	0.60	0.009
GR31	NM	GR-12-01	WHI2000153	371976	6713502	K948562	0.38	0.1	0.1	0.3	120	2.15	0.008	1	10	1.78	19	0.083	10	4.92	0.372
GR32	NM	GR-12-01	WHI2000153	372003	6714201	K948563	0.38	0.3	0.5	0.1	8	0.47	0.005	1	6	0.24	3	0.007	10	0.57	0.010
GR33	NM	GR-12-01	WHI2000153	372009	6714345	K948564	0.45	0.1	0.1	0.5	48	2.72	0.004	1	64	2.09	25	0.057	10	6.04	0.453
GR34	NM	GR-12-01	WHI2000153	370875	6714291	K948565	0.68	0.1	0.1	0.3	75	2.58	0.046	1	12	0.85	43	0.082	10	3.93	0.414
GR35	NM	GR-12-01	WHI2000153	371563	6713582	K948566	0.58	1.0	0.1	0.4	88	0.25	0.122	18	49	0.76	471	0.101	10	1.43	0.019
GR36	NM	GR-12-01	WHI2000153	371037	6713536	K948567	0.47	7.1	27.4	19.7	7	0.03	0.014	7	1	0.24	63	0.003	10	0.60	0.008
GR37	NM	GR-12-01	WHI2000153	371037	6714063	K948568	0.76	0.2	0.2	0.6	8	0.85	0.022	5	2	0.24	15	0.011	10	0.42	0.080
GR38	NM	GR-12-01	WHI2000153	370979	6714144	K948569	0.36	1.5	0.5	0.2	50	0.42	0.105	20	1	0.73	204	0.137	10	1.41	0.066
GR39	NM	GR-12-01	WHI2000153	370960	6714172	K948570	0.62	0.1	0.5	1.9	128	2.25	0.079	16	19	1.14	133	0.175	10	2.12	0.216
GR40	NM	GR-12-01	WHI2000153	370907	6714228	K948571	0.49	0.1	0.4	0.3	43	0.93	0.057	2	3	0.62	37	0.168	10	1.90	0.132
GR41	NM	GR-12-01	WHI2000153	370890	6714261	K948572	0.50	0.3	2.0	1.4	112	6.63	0.063	2	83	2.18	88	0.025	10	1.66	0.032
GR42	NM	GR-12-01	WHI2000153	370830	6714278	K948573	0.23	7.6	4.8	5.1	90	1.42	0.048	1	38	0.99	22	0.265	10	1.57	0.087
GR43	NM	GR-12-01	WHI2000153	370820	6713982	K948574	0.84	0.3	0.5	25.7	61	1.66	0.057	40	59	0.91	137	0.174	10	2.33	0.195
GR44	NM	GR-12-01	WHI2000153	370732	6714008	K948575	0.74	0.1	1.2	2.1	61	0.22	0.069	5	42	0.68	66	0.008	10	1.19	0.009
GR45	NM	GR-12-01	WHI2000153	370695	6714056	K948576	0.69	0.1	0.1	0.5	63	3.53	0.039	1	16	0.83	23	0.109	10	5.70	0.453
GR46	NM	GR-12-01	WHI2000153	370649	6714102	K948577	0.45	0.1	0.1	186.7	125	4.72	0.038	3	27	1.27	57	0.008	10	3.13	0.206
GR47	NM	GR-12-01	WHI2000153	370637	6714118	K948578	0.42	0.1	0.1	0.4	54	0.47	0.175	8	33	0.40	339	0.032	10	0.75	0.050
GR48	NM	GR-12-01	WHI2000153	370326	6714678	K948579	1.11	0.2	0.2	0.3	148	1.67	0.097	9	3	1.22	81	0.225	10	2.67	0.145

Grommet Claims
SAMPLE TRACKING SHEET
Datum - NAD83 Zone 9N

Sample #	Sampler	Shipment	Certificate	UTME	UTMN	Sample	Weight KG 0.01	K % 0.01	W PPM 0.1	Hg PPM 0.01	Sc PPM 0.1	Tl PPM 0.1	S % 0.05	Ga PPM 1	Se PPM 0.5	Te PPM 0.2
GR01	TK	GR-12-01	WHI2000153	370423	6714393	K948501	1.37	0.06	1.3	0.01	7.0	0.1	0.20	4	0.3	0.1
GR02	TK	GR-12-01	WHI2000153	370428	6714125	K948502	1.20	0.05	3.2	0.01	5.2	0.1	0.11	3	0.3	0.1
GR03	TK	GR-12-01	WHI2000153	370438	6714122	K948503	1.39	0.03	0.1	0.01	5.3	0.1	0.09	3	0.3	0.1
GR04	TK	GR-12-01	WHI2000153	370445	6714107	K948504	1.60	0.08	0.1	0.01	8.0	0.1	0.03	5	0.3	0.1
GR05	TK	GR-12-01	WHI2000153	370455	6714090	K948505	0.98	0.12	32.3	0.01	3.2	0.1	1.62	7	3.1	0.1
GR06	TK	GR-12-01	WHI2000153	370454	6714091	K948506	1.12	0.09	2.9	0.01	7.5	0.1	0.71	4	0.8	0.1
GR07	TK	GR-12-01	WHI2000153	370453	6714036	K948507	1.34	0.22	0.6	0.01	1.8	0.1	0.48	2	0.3	0.1
GR08	TK	GR-12-01	WHI2000153	370464	6713969	K948508	1.24	0.28	0.3	0.01	2.4	0.1	0.51	8	0.7	0.1
GR09	TK	GR-12-01	WHI2000153	370420	6713886	K948509	0.80	0.30	0.4	0.01	6.2	0.2	1.60	6	1.1	0.1
GR10	TK	GR-12-01	WHI2000153	370170	6714050	K948510	1.32	0.07	>100.0	0.01	4.3	0.1	0.39	4	0.3	0.1
GR11	TK	GR-12-01	WHI2000153	370171	6714063	K948511	1.04	0.02	5.6	0.01	0.2	0.1	0.90	1	1.4	0.1
GR12	TK	GR-12-01	WHI2000153	370163	6714253	K948512	1.07	0.71	3.8	0.01	18.5	0.8	3.45	12	6.2	0.6
GR13	TK	GR-12-01	WHI2000153	370123	6714305	K948513	1.08	0.20	1.2	0.01	8.0	0.1	1.28	7	0.8	0.1
GR14	TK	GR-12-01	WHI2000153	370115	6714333	K948514	1.06	0.20	10.7	0.01	2.0	0.1	0.25	3	0.3	0.1
GR15	TK	GR-12-01	WHI2000153	370867	6713697	K948515	1.55	0.09	1.3	0.01	6.8	0.1	1.32	9	1.7	0.1
GR16	TK	GR-12-01	WHI2000153	371075	6714436	K948516	1.41	0.08	0.9	0.01	10.9	0.1	0.50	9	0.3	0.1
GR17	TK	GR-12-01	WHI2000153	371082	6714838	K948517	1.07	0.04	68.0	0.01	7.3	0.1	2.57	11	1.1	0.4
GR18	TK	GR-12-01	WHI2000153	371111	6714691	K948518	1.57	0.08	1.0	0.01	1.8	0.1	0.15	2	0.6	0.1
GR19	TK	GR-12-01	WHI2000153	371205	6713610	K948519	1.86	0.03	0.5	0.01	5.9	0.1	0.17	6	0.3	0.1
GR20	TK	GR-12-01	WHI2000153	370974	6714094	K948551	0.64	0.07	1.2	0.01	14.8	0.1	0.67	10	0.3	0.1
GR21	TK	GR-12-01	WHI2000153	370893	6714198	K948552	0.35	0.05	0.5	0.01	9.4	0.1	0.81	11	0.9	0.2
GR22	TK	GR-12-01	WHI2000153	370884	6714207	K948553	0.44	0.07	21.5	0.01	6.7	0.1	0.14	5	0.3	0.1
GR23	TK	GR-12-01	WHI2000153	370840	6714241	K948554	0.77	0.13	0.4	0.01	9.4	0.1	1.17	14	1.4	0.1
GR24	TK	GR-12-01	WHI2000153	370778	6714350	K948555	0.62	0.09	23.8	0.01	6.8	0.1	1.44	14	1.5	0.1
GR25	TK	GR-12-01	WHI2000153	370720	6714407	K948556	0.56	0.02	0.3	0.01	1.5	0.1	0.03	1	0.3	0.1
GR26	TK	GR-12-01	WHI2000153	370609	6714278	K948557	0.17	0.09	>100.0	0.01	2.2	0.1	9.14	3	6.9	1.7
GR27	TK	GR-12-01	WHI2000153	370417	6714637	K948558	0.68	0.09	>100.0	0.01	16.8	0.1	0.85	15	1.7	0.7
GR28	TK	GR-12-01	WHI2000153	370599	6714809	K948559	0.40	0.02	1.7	0.01	28.7	0.1	0.59	11	2.8	0.1
GR29	TK	GR-12-01	WHI2000153	370682	6714661	K948560	0.73	0.01	1.3	0.01	12.4	0.1	3.12	7	17.8	0.8
GR30	NM	GR-12-01	WHI2000153	371995	6713528	K948561	0.56	0.01	0.8	0.01	2.9	0.1	0.19	2	1.2	0.1
GR31	NM	GR-12-01	WHI2000153	371976	6713502	K948562	0.38	0.04	0.5	0.01	9.8	0.1	0.33	8	1.4	0.1
GR32	NM	GR-12-01	WHI2000153	372003	6714201	K948563	0.38	0.01	0.3	0.01	0.9	0.1	0.19	1	1.8	0.1
GR33	NM	GR-12-01	WHI2000153	372009	6714345	K948564	0.45	0.03	43.1	0.01	3.5	0.1	0.13	8	0.3	0.1
GR34	NM	GR-12-01	WHI2000153	370875	6714291	K948565	0.68	0.12	2.6	0.01	10.3	0.1	0.58	8	0.6	0.1
GR35	NM	GR-12-01	WHI2000153	371563	6713582	K948566	0.58	0.65	0.2	0.01	5.0	0.3	0.21	6	2.1	0.1
GR36	NM	GR-12-01	WHI2000153	371037	6713536	K948567	0.47	0.19	0.4	0.15	0.9	0.2	3.49	2	4.2	0.8
GR37	NM	GR-12-01	WHI2000153	371037	6714063	K948568	0.76	0.04	0.1	0.01	1.7	0.1	0.63	2	0.3	0.1
GR38	NM	GR-12-01	WHI2000153	370979	6714144	K948569	0.36	0.14	0.3	0.01	8.7	0.1	0.61	7	0.9	0.1
GR39	NM	GR-12-01	WHI2000153	370960	6714172	K948570	0.62	0.08	4.1	0.01	9.2	0.1	1.24	7	1.4	0.2
GR40	NM	GR-12-01	WHI2000153	370907	6714228	K948571	0.49	0.07	2.6	0.01	3.6	0.1	0.53	7	1.4	0.1
GR41	NM	GR-12-01	WHI2000153	370890	6714261	K948572	0.50	0.33	0.4	0.01	21.4	0.2	0.81	6	0.8	0.1
GR42	NM	GR-12-01	WHI2000153	370830	6714278	K948573	0.23	0.08	7.4	0.02	8.3	0.1	4.38	6	8.4	0.2
GR43	NM	GR-12-01	WHI2000153	370820	6713982	K948574	0.84	0.17	28.6	0.01	8.0	0.1	1.04	10	2.1	0.1
GR44	NM	GR-12-01	WHI2000153	370732	6714008	K948575	0.74	0.13	>100.0	0.02	3.2	0.1	0.80	6	2.6	0.1
GR45	NM	GR-12-01	WHI2000153	370695	6714056	K948576	0.69	0.04	7.2	0.01	9.1	0.1	0.81	11	0.6	0.1
GR46	NM	GR-12-01	WHI2000153	370649	6714102	K948577	0.45	0.10	0.3	0.01	28.9	0.1	1.06	10	0.7	0.1
GR47	NM	GR-12-01	WHI2000153	370637	6714118	K948578	0.42	0.17	0.1	0.01	2.6	0.1	0.40	3	1.3	0.1
GR48	NM	GR-12-01	WHI2000153	370326	6714678	K948579	1.11	0.25	0.5	0.01	7.7	0.1	0.16	9	0.3	0.1

APPENDIX VI. GEOCHEMICAL SAMPLE DATABASE

Grommet Claims
Soil Sample Log
Datum / Registration: NAD83 Zone 9N

Sample	UTME	UTMN	Depth (cm)	Color	Material
G1	371975.0	6713502.0	30-40	Light Brown	B/C
G2	372102.0	6713503.0	30-40	Light Brown	B/C
G3	372004.0	6713606.0	40-50	Light Brown	C
G4	371999.0	6713701.0	30-40	Greenish Grey	B/C
G5	372004.0	6713796.0	30-40	Light Brown	B/C
G6	371999.0	6713905.0	20-30	Light Brown	B/C
G7	372000.0	6714001.0	30-40	Light Brown	B/C
G8	372000.0	6714109.0	20-30	Light Brown	B
G9	372004.0	6714198.0	20-30	Light Brown	B
G10	372003.0	6714298.0	30-40	Light Brown	B/C
G11	372003.0	6714400.0	30-40	Light Brown	C
G12	371799.0	6713627.0	30-40	Light Brown	C
G13	371466.0	6713753.0	30-40	Light Brown	C
G14	371376.0	6713921.0	40-50	Light Brown	C
G15	371257.0	6714087.0	30-40	Light Brown	B/C
G16	370794.0	6714780.0	50-60	Greenish Grey	C
G17	370896.0	6714610.0	40-50	Black	C
G18	370832.0	6713862.0	30-40	Greenish Grey	B/C
G19	370692.0	6714059.0	30-40	Light Brown	C
G20	370151.0	6713958.0	30-40	Dark Brown	B
G21	370151.0	6714137.0	10 - 20	Light Brown	B
G22	370148.0	6714333.0	30-40	Dark Brown	B
G23	370138.0	6714433.0	40-50	Dark Brown	B
G24	370148.0	6714576.0	40-50	Dark Brown	B
G25	370144.0	6714675.0	40-50	Brown	B
G26	370145.0	6714768.0	40-50	Brown	B
G27	370150.0	6714873.0	30-40	Brown	B
G28	371063.0	6713901.0	30-40	Light Brown	B
G29	371062.0	6713791.0	30-40	Brown	B
G30	371059.0	6713646.0	30-40	Dark Brown	B
G31	371062.0	6713500.0	30-40	Light Brown	B
G32	371068.0	6714105.0	30-40	Light Brown	B
G33	371066.0	6714259.0	30-40	Light Brown	B
G34	371068.0	6714410.0	30-40	Light Brown	B/C
G35	371060.0	6714540.0	30-40	Brown	B
G36	371073.0	6714653.0	20-30	Brown	B
G37	371060.0	6714758.0	20-30	Brown	B
G38	371066.0	6714855.0	20-30	Light Brown	B
G39	370518.0	6714233.0	40-50	Light Brown	C
G40	370352.0	6714499.0	40-50	Light Brown	B/C
G41	370334.0	6714779.0	30-40	Light Brown	C

APPENDIX VII. SOIL SAMPLE ANALYSES

Grommet Claims
Soils

Sample	Sampler	Shipment	Certificate	UTME	UTMN	Type	Au PPB 0.2	Mo PPM 0.01	Cu PPM 0.01	Pb PPM 0.01	Zn PPM 0.1	Ag PPB 2	Ni PPM 0.1
G1	NM	GM-12-01	WHI12000154	371975.0	6713502.0	S	3.4	3.72	72.64	10.30	54.0	237	29.0
G2	NM	GM-12-01	WHI12000154	372102.0	6713503.0	S	1.5	1.96	30.22	11.67	58.0	83	22.5
G3	NM	GM-12-01	WHI12000154	372004.0	6713606.0	S	5.4	1.42	43.44	12.74	52.0	84	24.1
G4	NM	GM-12-01	WHI12000154	371999.0	6713701.0	S	1.9	0.80	33.24	6.66	38.2	71	21.7
G5	NM	GM-12-01	WHI12000154	372004.0	6713796.0	S	1.9	1.18	25.31	8.39	44.5	123	15.3
G6	NM	GM-12-01	WHI12000154	371999.0	6713905.0	S	0.9	0.53	28.24	8.29	37.4	97	14.3
G7	NM	GM-12-01	WHI12000154	372000.0	6714001.0	S	2.3	1.07	41.32	16.04	42.0	458	12.3
G8	NM	GM-12-01	WHI12000154	372000.0	6714109.0	S	2.9	0.61	16.62	8.49	25.5	184	8.2
G9	NM	GM-12-01	WHI12000154	372004.0	6714198.0	S	0.8	0.86	13.89	7.94	30.8	193	7.8
G10	NM	GM-12-01	WHI12000154	372003.0	6714298.0	S	0.6	0.78	28.14	9.99	35.6	60	17.9
G11	NM	GM-12-01	WHI12000154	372003.0	6714400.0	S	0.6	0.81	26.07	7.02	42.0	30	23.2
G12	NM	GM-12-01	WHI12000154	371799.0	6713627.0	S	0.8	1.87	41.19	9.84	52.4	82	24.2
G13	NM	GM-12-01	WHI12000154	371466.0	6713753.0	S	0.6	21.19	17.76	18.18	42.9	203	16.2
G14	NM	GM-12-01	WHI12000154	371376.0	6713921.0	S	2.1	13.87	49.17	60.02	141.0	343	30.9
G15	NM	GM-12-01	WHI12000154	371257.0	6714087.0	S	0.5	18.73	18.56	18.81	43.8	195	17.1
G16	NM	GM-12-01	WHI12000154	370794.0	6714780.0	S	38.1	1.75	75.72	27.23	81.8	360	34.1
G17	NM	GM-12-01	WHI12000154	370896.0	6714610.0	S	5.4	1.44	216.08	15.83	27.6	1296	20.6
G18	NM	GM-12-01	WHI12000154	370832.0	6713862.0	S	0.5	13.74	44.94	14.60	120.0	162	20.5
G19	NM	GM-12-01	WHI12000154	370692.0	6714059.0	S	12.2	37.16	171.87	57.15	60.5	769	21.9
G20	TK	GM-12-01	WHI12000154	370151.0	6713958.0	S	3.5	0.68	131.19	9.59	50.0	88	25.4
G21	TK	GM-12-01	WHI12000154	370151.0	6714137.0	S	9.4	4.75	82.79	14.40	51.8	64	28.9
G22	TK	GM-12-01	WHI12000154	370148.0	6714333.0	S	6.3	1.80	81.63	36.30	39.7	231	25.5
G23	TK	GM-12-01	WHI12000154	370138.0	6714433.0	S	15.2	7.43	94.03	21.72	55.9	474	30.3
G24	TK	GM-12-01	WHI12000154	370148.0	6714576.0	S	14.0	52.70	272.99	32.02	74.9	746	32.4
G25	TK	GM-12-01	WHI12000154	370144.0	6714675.0	S	80.8	52.55	255.14	25.38	71.5	851	35.6
G26	TK	GM-12-01	WHI12000154	370145.0	6714768.0	S	24.0	75.15	261.57	37.53	82.8	870	20.6
G27	TK	GM-12-01	WHI12000154	370150.0	6714873.0	S	42.1	42.02	235.85	48.23	85.4	815	34.8
G28	TK	GM-12-01	WHI12000154	371063.0	6713901.0	S	2.5	38.20	114.22	25.16	179.5	115	48.9
G29	TK	GM-12-01	WHI12000154	371062.0	6713791.0	S	1.2	8.21	19.97	13.91	100.0	110	15.2
G30	TK	GM-12-01	WHI12000154	371059.0	6713646.0	S	4.4	26.65	99.59	188.07	355.5	1067	16.6
G31	TK	GM-12-01	WHI12000154	371062.0	6713500.0	S	11.7	5.71	56.03	10.84	53.4	67	15.9
G32	TK	GM-12-01	WHI12000154	371068.0	6714105.0	S	3.0	3.09	113.53	17.65	130.9	221	35.2
G33	TK	GM-12-01	WHI12000154	371066.0	6714259.0	S	3.4	8.32	74.55	37.69	125.9	96	44.7
G34	TK	GM-12-01	WHI12000154	371068.0	6714410.0	S	4.1	4.86	47.18	20.26	94.6	277	37.4
G35	TK	GM-12-01	WHI12000154	371060.0	6714540.0	S	21.0	1.04	62.24	77.69	94.8	127	49.1
G36	TK	GM-12-01	WHI12000154	371073.0	6714653.0	S	335.1	2.53	166.93	821.74	494.7	3646	94.8
G37	TK	GM-12-01	WHI12000154	371060.0	6714758.0	S	159.5	1.15	212.78	200.03	229.2	1464	57.7
G38	TK	GM-12-01	WHI12000154	371066.0	6714855.0	S	51.1	1.23	112.23	28.65	69.1	233	29.8
G39	NM	GM-12-01	WHI12000154	370518.0	6714233.0	S	9.9	37.53	165.14	24.60	60.9	526	31.5
G40	NM	GM-12-01	WHI12000154	370352.0	6714499.0	S	5.1	27.62	80.22	22.46	51.1	195	15.7
G41	NM	GM-12-01	WHI12000154	370334.0	6714779.0	S	18.2	46.93	156.48	28.78	73.0	481	26.6

Sample	Co PPM 0.1	Mn PPM 1	Fe % 0.01	As PPM 0.1	U PPM 0.1	Th PPM 0.1	Sr PPM 0.5	Cd PPM 0.01	Sb PPM 0.02	Bi PPM 0.02	V PPM 2	Ca % 0.01	P % 0.001	La PPM 0.5	Cr PPM 0.5
G1	17.7	362	2.94	11.0	1.6	3.1	73.8	0.30	0.40	6.66	66	0.90	0.081	13.2	43.4
G2	9.1	254	3.39	5.1	0.7	2.3	17.0	0.27	0.36	1.28	74	0.20	0.070	11.8	47.6
G3	8.8	216	3.38	6.3	0.7	2.0	33.1	0.41	0.43	1.69	70	0.26	0.076	9.9	49.8
G4	8.9	248	2.15	2.7	0.9	1.3	52.0	0.09	0.18	0.50	59	0.53	0.040	8.7	39.5
G5	6.1	168	2.71	3.6	0.6	1.0	16.2	0.16	0.32	0.65	66	0.16	0.059	8.4	34.2
G6	6.4	207	2.37	2.1	0.5	0.2	23.8	0.15	0.22	0.57	62	0.19	0.087	6.5	33.2
G7	12.6	728	2.34	5.7	1.9	0.1	30.1	0.53	0.29	0.29	50	0.50	0.246	12.7	26.7
G8	3.3	83	1.17	1.4	0.6	0.4	17.5	0.19	0.25	0.33	35	0.16	0.067	6.0	16.7
G9	5.7	619	1.29	2.5	0.8	0.1	19.4	0.41	0.38	0.32	38	0.13	0.175	7.7	16.6
G10	8.0	350	2.58	4.8	0.7	1.5	24.4	0.19	0.30	0.44	61	0.23	0.106	9.0	42.6
G11	9.6	248	2.40	5.6	0.7	3.1	15.2	0.26	0.34	0.22	60	0.29	0.066	11.9	36.2
G12	10.5	298	3.09	6.9	0.8	1.7	33.1	0.22	0.40	2.60	69	0.30	0.058	11.2	53.0
G13	6.4	195	2.56	13.0	1.0	4.5	15.5	0.15	0.52	2.76	79	0.12	0.029	12.5	36.9
G14	22.8	1046	4.34	101.0	0.8	2.0	43.7	0.41	0.82	4.00	90	0.22	0.065	9.7	81.2
G15	11.4	607	1.87	8.5	0.5	1.2	15.2	0.27	0.25	1.21	46	0.14	0.036	5.6	70.4
G16	23.6	871	3.99	148.8	0.9	3.1	28.5	0.34	0.63	1.82	94	0.72	0.050	13.3	62.5
G17	8.5	828	1.15	7.3	6.9	0.2	38.9	0.49	0.81	0.91	21	1.48	0.119	12.9	18.2
G18	10.5	474	3.13	10.7	4.8	4.0	25.1	0.78	0.30	0.78	62	0.76	0.071	28.1	34.2
G19	20.3	717	3.98	176.0	1.6	2.2	41.6	0.35	1.91	3.48	66	1.74	0.100	16.6	33.5
G20	27.1	941	3.86	11.6	0.6	1.7	23.0	0.13	0.74	0.90	90	0.40	0.061	10.3	28.1
G21	19.6	426	4.21	50.9	0.6	4.1	20.2	0.25	1.14	1.59	80	0.17	0.042	9.9	40.9
G22	38.5	1100	3.91	120.9	0.2	0.5	244.2	0.21	0.38	2.94	98	1.69	0.030	2.4	43.6
G23	26.7	1553	4.25	98.3	0.7	2.7	80.0	0.20	1.50	11.03	58	1.24	0.059	13.1	56.8
G24	35.0	1144	5.97	54.7	1.2	2.7	43.0	0.37	1.82	40.19	86	0.89	0.052	12.0	44.7
G25	36.5	1994	5.80	335.2	1.4	2.0	34.9	0.31	3.35	31.70	84	1.54	0.109	13.4	57.0
G26	39.2	1245	6.87	129.3	1.1	2.7	25.1	0.42	2.21	27.32	116	0.86	0.043	9.5	28.3
G27	42.5	1625	7.01	149.7	0.9	3.0	38.9	0.76	2.23	41.02	114	0.68	0.061	10.7	51.0
G28	84.9	1643	5.55	160.7	4.2	3.8	33.9	1.26	0.82	3.51	125	0.50	0.056	14.7	45.2
G29	8.2	321	2.07	5.4	2.8	5.8	22.5	0.47	0.22	1.05	42	0.35	0.033	23.1	24.5
G30	7.3	488	2.38	18.9	10.0	8.5	34.5	1.37	0.57	4.65	32	0.43	0.090	38.1	22.6
G31	8.7	360	2.31	40.2	2.7	4.1	19.7	0.15	0.24	0.47	45	0.41	0.070	32.9	26.0
G32	13.4	533	3.16	9.4	2.9	3.4	24.1	0.71	0.42	1.63	62	0.82	0.043	17.1	38.0
G33	26.5	854	4.18	23.0	1.7	4.4	25.6	0.34	1.52	4.42	76	0.37	0.046	18.8	47.5
G34	27.7	979	4.50	48.9	1.0	3.2	26.1	0.55	0.83	2.42	99	0.28	0.070	11.8	80.5
G35	27.9	998	4.28	255.3	0.5	2.3	42.9	0.29	3.04	0.87	103	0.55	0.053	8.1	86.1
G36	55.2	1697	6.54	2450.3	0.8	2.2	195.6	3.86	6.05	2.96	103	0.80	0.058	9.3	154.4
G37	45.8	1571	6.39	758.0	1.6	3.4	92.8	1.52	1.75	3.54	112	0.94	0.080	19.7	123.8
G38	32.8	1272	4.25	55.2	0.7	2.9	126.1	0.32	0.71	0.43	94	0.80	0.041	12.7	48.3
G39	26.0	855	4.70	49.9	1.6	4.0	47.5	0.25	1.62	3.36	87	0.67	0.066	20.4	64.7
G40	16.5	496	3.45	40.9	0.7	1.9	26.8	0.26	1.32	14.81	67	0.70	0.052	10.4	27.8
G41	30.8	1000	4.98	344.7	1.0	3.9	27.0	0.42	3.53	20.72	82	0.40	0.067	11.4	40.2

Sample	Mg % 0.01	Ba PPM 0.5	Ti % 0.001	B PPM 1.0	Al % 0.01	Na % 0.001	K % 0.01	W PPM 0.1	Sc PPM 0.1	Tl PPM 0.02	S % 0.02	Hg PPB 5	Se PPM 0.1	Te PPM 0.02	Ga PPM 0.1
G1	0.69	95.0	0.097	0.1	2.29	0.032	0.10	10.4	7.1	0.14	0.03	19	0.5	0.14	6.0
G2	0.57	88.8	0.118	1.0	1.62	0.012	0.09	1.4	4.2	0.09	0.04	25	0.2	0.03	8.0
G3	0.59	131.3	0.087	0.1	2.50	0.016	0.04	2.5	4.5	0.08	0.03	34	0.2	0.14	6.5
G4	0.70	114.4	0.067	0.1	1.71	0.028	0.04	0.4	3.7	0.08	0.04	2.5	0.1	0.06	5.0
G5	0.44	76.2	0.119	0.1	1.77	0.012	0.04	0.5	2.9	0.06	0.05	36	0.1	0.06	7.8
G6	0.47	116.7	0.067	0.1	1.99	0.015	0.05	0.3	1.9	0.08	0.08	42	0.3	0.08	6.6
G7	0.30	127.7	0.012	2.0	2.30	0.009	0.06	0.3	0.7	0.06	0.2	62	0.5	0.01	5.1
G8	0.15	76.2	0.078	0.1	0.83	0.011	0.04	0.1	1.7	0.07	0.06	56	0.2	0.02	3.4
G9	0.11	98.2	0.007	0.1	1.11	0.010	0.06	0.1	0.4	0.12	0.18	55	0.2	0.04	3.7
G10	0.45	97.8	0.106	1.0	1.95	0.013	0.05	0.2	4.2	0.10	0.05	77	0.3	0.07	5.0
G11	0.52	88.8	0.091	0.1	1.33	0.011	0.05	0.4	3.7	0.07	0.02	23	0.3	0.01	4.3
G12	0.67	186.9	0.080	0.1	2.19	0.021	0.06	3.5	3.9	0.11	0.03	22	0.2	0.11	7.3
G13	0.41	57.1	0.106	0.1	1.27	0.011	0.06	1.5	3.2	0.12	0.02	20	0.2	0.05	10.0
G14	0.81	201.3	0.076	0.1	2.47	0.021	0.07	4.8	5.1	0.15	0.04	33	0.6	0.09	7.3
G15	0.50	79.5	0.073	1.0	1.10	0.021	0.07	1.3	2.5	0.11	0.02	13	0.3	0.06	5.5
G16	1.17	126.9	0.076	2.0	2.43	0.018	0.10	1.5	9.9	0.14	0.03	35	0.2	0.10	7.5
G17	0.19	98.7	0.013	2.0	1.13	0.023	0.03	0.5	3.8	0.13	0.13	122	1.2	0.01	2.4
G18	0.80	170.1	0.107	1.0	2.49	0.011	0.26	0.8	5.3	0.23	0.05	27	0.2	0.01	10.0
G19	0.90	103.3	0.039	3.0	2.54	0.021	0.12	3.9	8.2	0.16	0.14	48	1.9	0.19	6.8
G20	0.96	96.9	0.034	0.1	2.21	0.010	0.05	0.7	8.3	0.09	0.05	38	0.4	0.01	5.2
G21	1.00	105.4	0.061	0.1	2.46	0.007	0.05	5.9	5.6	0.08	0.02	50	0.3	0.15	6.3
G22	2.11	107.9	0.002	0.1	4.48	0.025	0.06	8.9	10.4	0.05	0.04	21	0.4	0.33	6.2
G23	1.91	159.9	0.011	0.1	3.27	0.027	0.07	8.9	11.6	0.14	0.06	39	0.3	0.11	6.3
G24	1.51	122.0	0.014	0.1	3.04	0.020	0.05	36.7	12.8	0.09	0.07	42	1.0	0.30	6.8
G25	1.15	125.6	0.024	3.0	2.41	0.015	0.07	19.3	12.1	0.27	0.16	75	1.3	0.42	6.3
G26	1.40	83.7	0.021	1.0	2.71	0.020	0.05	9.1	17.0	0.14	0.1	17	0.8	0.31	8.0
G27	1.65	94.9	0.019	2.0	2.95	0.016	0.07	32.2	15.2	0.15	0.07	15	1.1	0.51	7.8
G28	1.25	149.0	0.057	2.0	2.74	0.011	0.14	8.1	9.3	0.21	0.04	11	0.3	0.19	7.9
G29	0.58	90.0	0.090	0.1	1.31	0.010	0.11	1.2	3.8	0.12	0.01	13	0.1	0.01	5.8
G30	0.51	115.9	0.056	0.1	1.51	0.009	0.13	2.2	3.7	0.16	0.04	25	0.4	0.09	4.9
G31	0.61	91.4	0.091	0.1	1.76	0.011	0.12	1.0	4.0	0.14	0.04	15	0.2	0.02	6.0
G32	0.89	107.6	0.067	0.1	2.30	0.020	0.11	1.0	6.6	0.16	0.04	23	0.7	0.05	5.9
G33	1.00	156.8	0.048	1.0	2.73	0.013	0.08	2.3	7.0	0.13	0.03	15	0.3	0.14	7.7
G34	1.05	180.7	0.087	0.1	3.04	0.016	0.07	2.3	6.5	0.12	0.03	44	0.5	0.14	8.0
G35	1.41	127.7	0.067	2.0	2.41	0.013	0.06	0.9	8.3	0.12	0.03	19	0.3	0.05	6.6
G36	1.91	343.3	0.054	0.1	3.10	0.045	0.13	1.5	9.7	0.37	0.17	36	1.2	0.29	7.7
G37	1.89	207.3	0.069	1.0	3.27	0.009	0.14	2.0	10.6	0.25	0.04	71	0.6	0.31	9.3
G38	1.29	239.9	0.055	0.1	3.07	0.010	0.04	0.4	10.0	0.07	0.03	33	0.1	0.04	6.5
G39	1.20	113.3	0.063	0.1	3.46	0.012	0.11	7.3	8.7	0.17	0.05	70	0.6	0.25	8.5
G40	0.63	68.8	0.053	0.1	1.85	0.004	0.10	8.7	4.2	0.11	0.07	51	0.5	0.14	7.3
G41	1.07	83.1	0.028	0.1	2.69	0.008	0.08	12.9	9.2	0.27	0.05	50	0.7	0.24	6.3

APPENDIX VIII. ASSAY CERTIFICATES

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

www.acmelab.com

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Submitted By: Mike Power
Receiving Lab: Canada-Whitehorse
Received: June 21, 2012
Report Date: July 04, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI12000153.1

CLIENT JOB INFORMATION

Project: GROMMET
Shipment ID:
P.O. Number
Number of Samples: 48

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	48	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G6	48	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	48	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Aurora Geosciences Ltd. (Yellowknife)
3506 McDonald Drive
Yellowknife NT X1A 2H1
Canada

CC: Mike Wark

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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. Results apply to samples as submitted.
"*" 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: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Project: GROMMET
Report Date: July 04, 2012

CERTIFICATE OF ANALYSIS WHI12000153.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
K948501	Rock	1.37	<0.01	4.5	55.4	2.6	27	<0.1	30.5	21.9	303	2.18	0.6	0.7	<0.1	27	0.1	<0.1	0.4	70	1.33
K948502	Rock	1.20	<0.01	1.2	51.0	2.5	19	<0.1	20.9	15.9	296	1.45	0.8	0.7	0.1	24	0.3	<0.1	0.2	53	1.21
K948503	Rock	1.39	<0.01	0.5	87.8	3.5	20	<0.1	31.2	19.2	235	1.51	1.2	<0.5	<0.1	34	<0.1	<0.1	<0.1	51	1.24
K948504	Rock	1.60	<0.01	0.1	35.6	1.4	40	<0.1	27.9	16.5	378	2.47	3.0	<0.5	0.6	17	<0.1	<0.1	<0.1	93	1.47
K948505	Rock	0.98	<0.01	96.9	668.4	15.0	33	0.8	36.6	14.7	272	2.93	<0.5	2.5	9.9	67	0.6	0.4	40.1	24	1.91
K948506	Rock	1.12	<0.01	193.0	135.5	2.7	28	0.2	36.7	29.4	398	2.60	<0.5	<0.5	0.8	39	0.2	<0.1	0.4	63	0.90
K948507	Rock	1.34	<0.01	29.3	110.3	14.0	41	0.2	4.3	3.6	345	1.14	<0.5	<0.5	14.0	45	0.1	<0.1	5.4	9	0.86
K948508	Rock	1.24	<0.01	1.1	106.4	2.3	23	<0.1	17.8	17.9	223	2.82	<0.5	2.2	2.8	88	<0.1	<0.1	0.3	78	1.49
K948509	Rock	0.80	<0.01	6.6	55.5	7.4	30	<0.1	0.9	11.9	543	4.48	1.6	4.0	8.4	12	<0.1	0.2	1.0	47	0.84
K948510	Rock	1.32	<0.01	31.4	38.4	21.3	64	0.1	19.6	9.3	1107	1.89	1.9	2.4	10.1	67	0.5	0.3	5.5	58	3.88
K948511	Rock	1.04	0.25	12.0	3.7	133.7	2	0.2	4.2	3.1	36	1.25	1342	267.9	<0.1	1	<0.1	23.1	35.2	<2	0.02
K948512	Rock	1.07	<0.01	367.5	907.3	69.7	148	0.9	39.1	31.7	1226	7.27	7.0	17.1	5.5	52	0.6	1.5	680.9	203	2.72
K948513	Rock	1.08	0.04	46.0	653.5	32.5	175	0.7	25.5	17.5	1320	3.65	35.6	37.5	5.1	42	1.4	7.0	1.4	102	2.48
K948514	Rock	1.06	<0.01	3.2	15.1	13.9	74	<0.1	4.0	3.8	474	1.21	0.6	4.1	16.0	24	1.0	<0.1	3.3	16	0.54
K948515	Rock	1.55	<0.01	353.8	354.3	4.8	34	0.3	12.1	21.3	361	3.79	0.7	2.9	0.5	52	0.5	0.2	1.1	72	1.52
K948516	Rock	1.41	<0.01	31.5	74.8	3.4	45	<0.1	9.0	17.6	510	3.64	0.6	1.9	<0.1	85	<0.1	0.1	0.4	103	2.38
K948517	Rock	1.07	<0.01	1.8	353.7	7.2	11	0.5	24.9	25.1	147	4.87	0.9	2.6	<0.1	82	<0.1	0.2	4.3	45	2.64
K948518	Rock	1.57	<0.01	300.7	42.3	11.0	21	0.2	3.8	3.8	172	1.05	1.2	<0.5	11.8	16	0.5	0.3	0.1	18	0.20
K948519	Rock	1.86	<0.01	0.5	31.2	1.6	19	<0.1	16.8	20.5	261	2.23	1.1	<0.5	<0.1	62	<0.1	0.1	0.1	136	2.79
K948551	Rock	0.64	<0.01	8.4	122.9	6.3	36	0.2	10.5	18.3	479	4.08	<0.5	1.5	<0.1	108	0.1	0.3	0.7	102	3.20
K948552	Rock	0.35	<0.01	7.6	151.9	4.8	25	0.2	7.8	16.8	286	3.97	<0.5	2.5	<0.1	116	<0.1	<0.1	3.1	97	2.82
K948553	Rock	0.44	<0.01	22.0	49.7	1.9	26	<0.1	4.6	8.3	303	2.34	1.1	7.5	<0.1	16	0.1	0.1	0.7	51	1.13
K948554	Rock	0.77	<0.01	24.3	285.9	7.7	38	0.3	11.9	22.4	347	5.02	<0.5	2.0	<0.1	113	0.1	0.1	1.8	113	3.09
K948555	Rock	0.62	<0.01	94.6	225.9	6.1	24	0.3	10.5	24.3	253	4.21	<0.5	0.7	<0.1	89	0.1	0.1	1.1	59	3.80
K948556	Rock	0.56	<0.01	733.1	31.9	2.0	5	0.1	1.6	2.4	133	1.01	0.8	1.9	<0.1	2	0.3	0.2	0.4	10	0.17
K948557	Rock	0.17	0.02	35.4	253.4	36.2	16	1.0	17.0	33.3	136	11.84	61.7	24.0	0.3	5	<0.1	0.6	4.3	32	0.06
K948558	Rock	0.68	<0.01	657.6	228.5	8.9	39	0.6	3.2	10.5	418	5.26	0.7	5.1	0.1	86	0.3	0.6	0.7	194	1.80
K948559	Rock	0.40	<0.01	1.6	1066	2.4	98	0.4	25.0	46.3	923	9.14	0.9	5.9	0.2	76	0.3	0.3	<0.1	241	1.55
K948560	Rock	0.73	0.02	3.9	3175	3.1	57	0.9	40.5	107.0	521	9.40	<0.5	32.8	<0.1	27	0.3	0.4	<0.1	88	1.02
K948561	Rock	0.56	<0.01	0.4	186.4	1.1	13	0.2	2.7	6.4	161	2.05	1.3	1.0	0.2	8	<0.1	0.2	0.3	81	0.35

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Project: GROMMET
Report Date: July 04, 2012

CERTIFICATE OF ANALYSIS WHI12000153.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
K948501	Rock	0.072	1	32	0.63	16	0.258	<20	1.17	0.137	0.06	1.3	<0.01	7.0	<0.1	0.20	4	<0.5	<0.2
K948502	Rock	0.035	1	20	0.44	18	0.243	<20	1.02	0.122	0.05	3.2	<0.01	5.2	<0.1	0.11	3	<0.5	<0.2
K948503	Rock	0.049	<1	31	0.49	52	0.244	<20	1.18	0.112	0.03	<0.1	<0.01	5.3	<0.1	0.09	3	<0.5	<0.2
K948504	Rock	0.080	2	39	1.03	28	0.246	<20	1.47	0.131	0.08	<0.1	<0.01	8.0	<0.1	<0.05	5	<0.5	<0.2
K948505	Rock	0.044	27	24	0.32	43	0.110	<20	2.17	0.136	0.12	32.3	<0.01	3.2	0.1	1.62	7	3.1	<0.2
K948506	Rock	0.052	2	38	0.65	78	0.211	<20	1.05	0.120	0.09	2.9	<0.01	7.5	<0.1	0.71	4	0.8	<0.2
K948507	Rock	0.036	19	3	0.14	139	0.009	<20	0.50	0.058	0.22	0.6	<0.01	1.8	0.1	0.48	2	<0.5	<0.2
K948508	Rock	0.081	6	17	0.79	203	0.182	<20	2.95	0.356	0.28	0.3	<0.01	2.4	0.1	0.51	8	0.7	<0.2
K948509	Rock	0.094	16	1	0.59	85	0.141	<20	1.31	0.044	0.30	0.4	<0.01	6.2	0.2	1.60	6	1.1	<0.2
K948510	Rock	0.079	14	20	0.36	157	0.097	<20	0.91	0.022	0.07	>100	<0.01	4.3	<0.1	0.39	4	<0.5	<0.2
K948511	Rock	0.002	<1	2	<0.01	7	0.001	<20	0.02	0.004	0.02	5.6	<0.01	0.2	<0.1	0.90	<1	1.4	<0.2
K948512	Rock	0.098	15	44	1.78	147	0.283	<20	2.47	0.069	0.71	3.8	<0.01	18.5	0.8	3.45	12	6.2	0.6
K948513	Rock	0.065	10	16	1.08	76	0.175	<20	1.61	0.102	0.20	1.2	<0.01	8.0	0.1	1.28	7	0.8	<0.2
K948514	Rock	0.039	18	4	0.26	91	0.008	<20	0.60	0.054	0.20	10.7	<0.01	2.0	<0.1	0.25	3	<0.5	<0.2
K948515	Rock	0.050	3	26	0.82	30	0.141	<20	2.93	0.290	0.09	1.3	<0.01	6.8	<0.1	1.32	9	1.7	<0.2
K948516	Rock	0.048	1	15	1.22	31	0.171	<20	3.94	0.386	0.08	0.9	<0.01	10.9	<0.1	0.50	9	<0.5	<0.2
K948517	Rock	0.045	1	9	0.40	18	0.085	<20	4.42	0.553	0.04	68.0	<0.01	7.3	<0.1	2.57	11	1.1	0.4
K948518	Rock	0.036	18	4	0.25	75	0.045	<20	0.45	0.057	0.08	1.0	<0.01	1.8	<0.1	0.15	2	0.6	<0.2
K948519	Rock	0.007	<1	16	1.11	19	0.092	<20	4.60	0.235	0.03	0.5	<0.01	5.9	<0.1	0.17	6	<0.5	<0.2
K948551	Rock	0.051	1	19	1.23	43	0.092	<20	4.83	0.437	0.07	1.2	<0.01	14.8	<0.1	0.67	10	<0.5	<0.2
K948552	Rock	0.052	2	15	0.87	23	0.105	<20	4.90	0.478	0.05	0.5	<0.01	9.4	<0.1	0.81	11	0.9	0.2
K948553	Rock	0.020	<1	9	0.69	12	0.042	<20	1.81	0.067	0.07	21.5	<0.01	6.7	<0.1	0.14	5	<0.5	<0.2
K948554	Rock	0.056	2	24	1.28	27	0.135	<20	5.99	0.522	0.13	0.4	<0.01	9.4	0.1	1.17	14	1.4	<0.2
K948555	Rock	0.051	<1	10	0.68	29	0.104	<20	6.30	0.571	0.09	23.8	<0.01	6.8	<0.1	1.44	14	1.5	<0.2
K948556	Rock	0.003	<1	2	0.12	4	0.004	<20	0.21	0.011	0.02	0.3	<0.01	1.5	<0.1	<0.05	<1	<0.5	<0.2
K948557	Rock	0.020	1	6	0.42	17	0.004	<20	0.76	0.022	0.09	>100	<0.01	2.2	0.1	9.14	3	6.9	1.7
K948558	Rock	0.062	2	9	1.72	17	0.091	<20	4.76	0.404	0.09	>100	<0.01	16.8	<0.1	0.85	15	1.7	0.7
K948559	Rock	0.032	<1	11	2.33	23	0.113	<20	4.87	0.179	0.02	1.7	<0.01	28.7	<0.1	0.59	11	2.8	<0.2
K948560	Rock	0.097	1	158	2.19	8	0.093	<20	3.65	0.062	<0.01	1.3	0.01	12.4	<0.1	3.12	7	17.8	0.8
K948561	Rock	0.095	<1	2	0.31	7	0.038	<20	0.60	0.009	<0.01	0.8	<0.01	2.9	<0.1	0.19	2	1.2	<0.2

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Project: GROMMET
Report Date: July 04, 2012

CERTIFICATE OF ANALYSIS WHI12000153.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
K948562	Rock	0.38	<0.01	0.3	312.0	2.2	39	0.2	24.0	24.2	476	4.21	<0.5	2.6	<0.1	83	<0.1	<0.1	0.3	120	2.15
K948563	Rock	0.38	<0.01	0.6	555.2	3.6	21	0.7	116.0	33.5	100	1.35	3.5	3.6	<0.1	7	0.3	0.5	0.1	8	0.47
K948564	Rock	0.45	<0.01	0.4	21.7	2.6	35	<0.1	26.3	19.0	455	3.28	<0.5	<0.5	<0.1	104	<0.1	<0.1	0.5	48	2.72
K948565	Rock	0.68	<0.01	2.9	92.3	3.6	38	<0.1	8.3	16.8	399	3.33	<0.5	<0.5	<0.1	56	<0.1	<0.1	0.3	75	2.58
K948566	Rock	0.58	<0.01	4.2	58.0	4.9	44	0.1	13.7	4.3	266	2.19	<0.5	<0.5	6.9	7	1.0	0.1	0.4	88	0.25
K948567	Rock	0.47	2.04	1.0	115.5	>10000	304	30.6	0.9	10.5	150	6.72	>10000	2951	9.4	4	7.1	27.4	19.7	7	0.03
K948568	Rock	0.76	<0.01	1.7	158.7	41.5	16	0.4	3.6	17.3	254	2.19	74.5	6.8	4.5	16	0.2	0.2	0.6	8	0.85
K948569	Rock	0.36	<0.01	73.2	96.1	11.3	90	0.1	3.0	14.4	434	3.73	8.5	1.2	11.4	14	1.5	0.5	0.2	50	0.42
K948570	Rock	0.62	<0.01	55.1	276.8	7.5	31	0.2	28.6	15.1	644	3.73	4.1	0.7	7.3	51	<0.1	0.5	1.9	128	2.25
K948571	Rock	0.49	<0.01	18.3	91.5	4.1	43	<0.1	2.0	5.1	275	2.78	3.1	<0.5	0.6	18	0.1	0.4	0.3	43	0.93
K948572	Rock	0.50	<0.01	35.4	258.5	5.8	50	0.3	51.2	45.3	1460	6.19	33.7	3.6	0.2	170	0.3	2.0	1.4	112	6.63
K948573	Rock	0.23	0.04	12.5	4855	4.2	166	5.5	61.1	84.4	605	7.56	24.0	28.0	0.2	30	7.6	4.8	5.1	90	1.42
K948574	Rock	0.84	<0.01	8.3	339.5	23.5	70	0.4	34.3	16.9	834	3.72	0.8	<0.5	15.3	83	0.3	0.5	25.7	61	1.66
K948575	Rock	0.74	0.04	83.7	369.8	9.9	34	0.6	20.9	6.7	307	3.40	24.7	18.1	4.1	4	0.1	1.2	2.1	61	0.22
K948576	Rock	0.69	<0.01	201.0	114.7	3.2	34	<0.1	8.8	18.1	388	3.74	<0.5	1.5	<0.1	183	<0.1	<0.1	0.5	63	3.53
K948577	Rock	0.45	<0.01	58.4	106.8	15.3	69	0.1	12.2	22.7	920	5.37	0.6	<0.5	0.1	108	0.1	0.1	186.7	125	4.72
K948578	Rock	0.42	<0.01	5.8	66.3	4.9	14	0.1	16.1	5.2	139	2.10	1.0	<0.5	3.1	11	<0.1	<0.1	0.4	54	0.47
K948579	Rock	1.11	<0.01	0.8	101.5	5.6	65	0.1	4.9	18.2	747	4.33	0.7	<0.5	4.0	63	0.2	0.2	0.3	148	1.67

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Project: GROMMET
Report Date: July 04, 2012

CERTIFICATE OF ANALYSIS WHI12000153.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
K948562	Rock	0.008	<1	10	1.78	19	0.083	<20	4.92	0.372	0.04	0.5	<0.01	9.8	<0.1	0.33	8	1.4	<0.2
K948563	Rock	<0.001	<1	6	0.24	3	0.007	<20	0.57	0.010	<0.01	0.3	<0.01	0.9	<0.1	0.19	1	1.8	<0.2
K948564	Rock	0.004	<1	64	2.09	25	0.057	<20	6.04	0.453	0.03	43.1	<0.01	3.5	<0.1	0.13	8	<0.5	<0.2
K948565	Rock	0.046	1	12	0.85	43	0.082	<20	3.93	0.414	0.12	2.6	<0.01	10.3	<0.1	0.58	8	0.6	<0.2
K948566	Rock	0.122	18	49	0.76	471	0.101	<20	1.43	0.019	0.65	0.2	<0.01	5.0	0.3	0.21	6	2.1	<0.2
K948567	Rock	0.014	7	1	0.24	63	0.003	<20	0.60	0.008	0.19	0.4	0.15	0.9	0.2	3.49	2	4.2	0.8
K948568	Rock	0.022	5	2	0.24	15	0.011	<20	0.42	0.080	0.04	0.1	<0.01	1.7	<0.1	0.63	2	<0.5	<0.2
K948569	Rock	0.105	20	1	0.73	204	0.137	<20	1.41	0.066	0.14	0.3	<0.01	8.7	<0.1	0.61	7	0.9	<0.2
K948570	Rock	0.079	16	19	1.14	133	0.175	<20	2.12	0.216	0.08	4.1	<0.01	9.2	<0.1	1.24	7	1.4	0.2
K948571	Rock	0.057	2	3	0.62	37	0.168	<20	1.90	0.132	0.07	2.6	0.01	3.6	<0.1	0.53	7	1.4	<0.2
K948572	Rock	0.063	2	83	2.18	88	0.025	<20	1.66	0.032	0.33	0.4	<0.01	21.4	0.2	0.81	6	0.8	<0.2
K948573	Rock	0.048	1	38	0.99	22	0.265	<20	1.57	0.087	0.08	7.4	0.02	8.3	<0.1	4.38	6	8.4	0.2
K948574	Rock	0.057	40	59	0.91	137	0.174	<20	2.33	0.195	0.17	28.6	<0.01	8.0	0.1	1.04	10	2.1	<0.2
K948575	Rock	0.069	5	42	0.68	66	0.008	<20	1.19	0.009	0.13	>100	0.02	3.2	0.1	0.80	6	2.6	<0.2
K948576	Rock	0.039	<1	16	0.83	23	0.109	<20	5.70	0.453	0.04	7.2	<0.01	9.1	<0.1	0.81	11	0.6	<0.2
K948577	Rock	0.038	3	27	1.27	57	0.008	<20	3.13	0.206	0.10	0.3	<0.01	28.9	<0.1	1.06	10	0.7	<0.2
K948578	Rock	0.175	8	33	0.40	339	0.032	<20	0.75	0.050	0.17	0.1	<0.01	2.6	<0.1	0.40	3	1.3	<0.2
K948579	Rock	0.097	9	3	1.22	81	0.225	<20	2.67	0.145	0.25	0.5	<0.01	7.7	0.1	0.16	9	<0.5	<0.2

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Project: GROMMET
Report Date: July 04, 2012

QUALITY CONTROL REPORT WHI12000153.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
K948511	Rock	1.04	0.25	12.0	3.7	133.7	2	0.2	4.2	3.1	36	1.25	1342	267.9	<0.1	1	<0.1	23.1	35.2	<2	0.02
REP K948511	QC		0.26																		
K948561	Rock	0.56	<0.01	0.4	186.4	1.1	13	0.2	2.7	6.4	161	2.05	1.3	1.0	0.2	8	<0.1	0.2	0.3	81	0.35
REP K948561	QC			0.6	193.4	1.2	13	0.3	3.2	6.5	173	2.14	1.3	4.1	0.2	9	<0.1	0.2	0.3	83	0.36
K948576	Rock	0.69	<0.01	201.0	114.7	3.2	34	<0.1	8.8	18.1	388	3.74	<0.5	1.5	<0.1	183	<0.1	<0.1	0.5	63	3.53
REP K948576	QC		<0.01																		
Core Reject Duplicates																					
K948563	Rock	0.38	<0.01	0.6	555.2	3.6	21	0.7	116.0	33.5	100	1.35	3.5	3.6	<0.1	7	0.3	0.5	0.1	8	0.47
DUP K948563	QC		<0.01	0.6	559.4	3.4	22	0.7	119.0	33.5	107	1.42	3.6	1.5	<0.1	7	0.3	0.5	<0.1	8	0.47
Reference Materials																					
STD DS9	Standard			13.9	115.5	130.7	323	1.9	43.3	8.1	630	2.45	27.9	111.8	6.1	76	2.3	4.5	6.1	42	0.76
STD DS9	Standard			13.5	116.3	129.1	331	1.9	41.9	8.1	606	2.47	27.3	146.4	6.8	79	2.6	4.1	7.5	42	0.78
STD OREAS45CA	Standard			1.0	544.1	21.0	60	0.3	268.3	96.7	991	16.05	3.6	47.8	7.1	15	<0.1	0.1	0.1	228	0.43
STD OREAS45CA	Standard			0.9	544.7	20.7	64	0.3	273.2	100.3	1000	17.21	3.7	42.0	7.2	16	0.1	<0.1	0.2	239	0.45
STD OXG99	Standard		0.91																		
STD OXG99	Standard		0.97																		
STD OXG99	Standard		0.94																		
STD OXK94	Standard		3.74																		
STD OXK94	Standard		3.58																		
STD OXK94	Standard		3.62																		
STD OXG99 Expected			0.932																		
STD OXK94 Expected			3.562																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.01																		
BLK	Blank		<0.01																		
BLK	Blank		<0.01																		

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Project: GROMMET
Report Date: July 04, 2012

QUALITY CONTROL REPORT WHI12000153.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
K948511	Rock	0.002	<1	2	<0.01	7	0.001	<20	0.02	0.004	0.02	5.6	<0.01	0.2	<0.1	0.90	<1	1.4	<0.2
REP K948511	QC																		
K948561	Rock	0.095	<1	2	0.31	7	0.038	<20	0.60	0.009	<0.01	0.8	<0.01	2.9	<0.1	0.19	2	1.2	<0.2
REP K948561	QC	0.100	<1	3	0.33	7	0.040	<20	0.63	0.010	<0.01	0.7	<0.01	3.1	<0.1	0.20	2	1.6	<0.2
K948576	Rock	0.039	<1	16	0.83	23	0.109	<20	5.70	0.453	0.04	7.2	<0.01	9.1	<0.1	0.81	11	0.6	<0.2
REP K948576	QC																		
Core Reject Duplicates																			
K948563	Rock	<0.001	<1	6	0.24	3	0.007	<20	0.57	0.010	<0.01	0.3	<0.01	0.9	<0.1	0.19	1	1.8	<0.2
DUP K948563	QC	<0.001	<1	7	0.25	3	0.008	<20	0.61	0.010	<0.01	0.3	<0.01	0.9	<0.1	0.19	1	1.7	<0.2
Reference Materials																			
STD DS9	Standard	0.090	13	126	0.66	345	0.111	<20	1.01	0.087	0.42	2.8	0.23	2.5	5.8	0.17	5	5.4	5.2
STD DS9	Standard	0.087	14	128	0.66	339	0.119	<20	1.03	0.087	0.42	2.7	0.24	2.8	6.0	0.17	5	5.6	5.8
STD OREAS45CA	Standard	0.040	17	779	0.14	171	0.144	<20	3.78	0.006	0.07	<0.1	0.02	47.9	<0.1	<0.05	20	0.6	<0.2
STD OREAS45CA	Standard	0.040	16	777	0.14	168	0.144	<20	4.04	0.008	0.07	<0.1	0.03	47.0	<0.1	<0.05	22	0.5	<0.2
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXK94	Standard																		
STD OXK94	Standard																		
STD OXK94	Standard																		
STD OXG99 Expected																			
STD OXK94 Expected																			
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		

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34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Project: GROMMET
Report Date: July 04, 2012

QUALITY CONTROL REPORT WHI12000153.1

		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank		<0.01																		
BLK	Blank		<0.01																		
BLK	Blank		<0.01																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1-WHI	Prep Blank		<0.01	0.2	2.6	3.0	48	<0.1	3.5	4.2	585	1.93	<0.5	1.0	4.7	69	<0.1	<0.1	<0.1	37	0.50
G1-WHI	Prep Blank		<0.01	0.1	3.7	3.4	46	<0.1	3.2	4.3	585	1.93	<0.5	1.0	5.9	61	<0.1	<0.1	<0.1	38	0.51

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		1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1-WHI	Prep Blank	0.078	9	6	0.58	223	0.133	<20	1.02	0.086	0.49	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2
G1-WHI	Prep Blank	0.084	12	6	0.53	186	0.134	<20	0.95	0.091	0.52	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2

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Submitted By: Mike Power
Receiving Lab: Canada-Whitehorse
Received: June 21, 2012
Report Date: July 06, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI12000154.1

CLIENT JOB INFORMATION

Project: GROMMET
Shipment ID:
P.O. Number
Number of Samples: 41

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	41	Dry at 60C			WHI
SS80	41	Dry at 60C sieve 100g to -80 mesh			WHI
1F03	41	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
RJSV	41	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS

Invoice To: Aurora Geosciences Ltd. (Yellowknife)
3506 McDonald Drive
Yellowknife NT X1A 2H1
Canada

CC: Mike Wark

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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34A Laberge Road.
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Project: GROMMET
Report Date: July 06, 2012

CERTIFICATE OF ANALYSIS WHI12000154.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
G01	Soil		3.72	72.64	10.30	54.0	237	29.0	17.7	362	2.94	11.0	1.6	3.4	3.1	73.8	0.30	0.40	6.66	66	0.90	0.081
G02	Soil		1.96	30.22	11.67	58.0	83	22.5	9.1	254	3.39	5.1	0.7	1.5	2.3	17.0	0.27	0.36	1.28	74	0.20	0.070
G03	Soil		1.42	43.44	12.74	52.0	84	24.1	8.8	216	3.38	6.3	0.7	5.4	2.0	33.1	0.41	0.43	1.69	70	0.26	0.076
G04	Soil		0.80	33.24	6.66	38.2	71	21.7	8.9	248	2.15	2.7	0.9	1.9	1.3	52.0	0.09	0.18	0.50	59	0.53	0.040
G05	Soil		1.18	25.31	8.39	44.5	123	15.3	6.1	168	2.71	3.6	0.6	1.9	1.0	16.2	0.16	0.32	0.65	66	0.16	0.059
G06	Soil		0.53	28.24	8.29	37.4	97	14.3	6.4	207	2.37	2.1	0.5	0.9	0.2	23.8	0.15	0.22	0.57	62	0.19	0.087
G07	Soil		1.07	41.32	16.04	42.0	458	12.3	12.6	728	2.34	5.7	1.9	2.3	<0.1	30.1	0.53	0.29	0.29	50	0.50	0.246
G08	Soil		0.61	16.62	8.49	25.5	184	8.2	3.3	83	1.17	1.4	0.6	2.9	0.4	17.5	0.19	0.25	0.33	35	0.16	0.067
G09	Soil		0.86	13.89	7.94	30.8	193	7.8	5.7	619	1.29	2.5	0.8	0.8	<0.1	19.4	0.41	0.38	0.32	38	0.13	0.175
G10	Soil		0.78	28.14	9.99	35.6	60	17.9	8.0	350	2.58	4.8	0.7	0.6	1.5	24.4	0.19	0.30	0.44	61	0.23	0.106
G11	Soil		0.81	26.07	7.02	42.0	30	23.2	9.6	248	2.40	5.6	0.7	0.6	3.1	15.2	0.26	0.34	0.22	60	0.29	0.066
G12	Soil		1.87	41.19	9.84	52.4	82	24.2	10.5	298	3.09	6.9	0.8	0.8	1.7	33.1	0.22	0.40	2.60	69	0.30	0.058
G13	Soil		21.19	17.76	18.18	42.9	203	16.2	6.4	195	2.56	13.0	1.0	0.6	4.5	15.5	0.15	0.52	2.76	79	0.12	0.029
G14	Soil		13.87	49.17	60.02	141.0	343	30.9	22.8	1046	4.34	101.0	0.8	2.1	2.0	43.7	0.41	0.82	4.00	90	0.22	0.065
G15	Soil		18.73	18.56	18.81	43.8	195	17.1	11.4	607	1.87	8.5	0.5	0.5	1.2	15.2	0.27	0.25	1.21	46	0.14	0.036
G16	Soil		1.75	75.72	27.23	81.8	360	34.1	23.6	871	3.99	148.8	0.9	38.1	3.1	28.5	0.34	0.63	1.82	94	0.72	0.050
G17	Soil		1.44	216.1	15.83	27.6	1296	20.6	8.5	828	1.15	7.3	6.9	5.4	0.2	38.9	0.49	0.81	0.91	21	1.48	0.119
G18	Soil		13.74	44.94	14.60	120.0	162	20.5	10.5	474	3.13	10.7	4.8	0.5	4.0	25.1	0.78	0.30	0.78	62	0.76	0.071
G19	Soil		37.16	171.9	57.15	60.5	769	21.9	20.3	717	3.98	176.0	1.6	12.2	2.2	41.6	0.35	1.91	3.48	66	1.74	0.100
G20	Soil		0.68	131.2	9.59	50.0	88	25.4	27.1	941	3.86	11.6	0.6	3.5	1.7	23.0	0.13	0.74	0.90	90	0.40	0.061
G21	Soil		4.75	82.79	14.40	51.8	64	28.9	19.6	426	4.21	50.9	0.6	9.4	4.1	20.2	0.25	1.14	1.59	80	0.17	0.042
G22	Soil		1.80	81.63	36.30	39.7	231	25.5	38.5	1100	3.91	120.9	0.2	6.3	0.5	244.2	0.21	0.38	2.94	98	1.69	0.030
G23	Soil		7.43	94.03	21.72	55.9	474	30.3	26.7	1553	4.25	98.3	0.7	15.2	2.7	80.0	0.20	1.50	11.03	58	1.24	0.059
G24	Soil		52.70	273.0	32.02	74.9	746	32.4	35.0	1144	5.97	54.7	1.2	14.0	2.7	43.0	0.37	1.82	40.19	86	0.89	0.052
G25	Soil		52.55	255.1	25.38	71.5	851	35.6	36.5	1994	5.80	335.2	1.4	80.8	2.0	34.9	0.31	3.35	31.70	84	1.54	0.109
G26	Soil		75.15	261.6	37.53	82.8	870	20.6	39.2	1245	6.87	129.3	1.1	24.0	2.7	25.1	0.42	2.21	27.32	116	0.86	0.043
G27	Soil		42.02	235.8	48.23	85.4	815	34.8	42.5	1625	7.01	149.7	0.9	42.1	3.0	38.9	0.76	2.23	41.02	114	0.68	0.061
G28	Soil		38.20	114.2	25.16	179.5	115	48.9	84.9	1643	5.55	160.7	4.2	2.5	3.8	33.9	1.26	0.82	3.51	125	0.50	0.056
G29	Soil		8.21	19.97	13.91	100.0	110	15.2	8.2	321	2.07	5.4	2.8	1.2	5.8	22.5	0.47	0.22	1.05	42	0.35	0.033
G30	Soil		26.65	99.59	188.1	355.5	1067	16.6	7.3	488	2.38	18.9	10.0	4.4	8.5	34.5	1.37	0.57	4.65	32	0.43	0.090

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Project: GROMMET
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CERTIFICATE OF ANALYSIS WHI12000154.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
G01	Soil	13.2	43.4	0.69	95.0	0.097	<1	2.29	0.032	0.10	10.4	7.1	0.14	0.03	19	0.5	0.14	6.0
G02	Soil	11.8	47.6	0.57	88.8	0.118	1	1.62	0.012	0.09	1.4	4.2	0.09	0.04	25	0.2	0.03	8.0
G03	Soil	9.9	49.8	0.59	131.3	0.087	<1	2.50	0.016	0.04	2.5	4.5	0.08	0.03	34	0.2	0.14	6.5
G04	Soil	8.7	39.5	0.70	114.4	0.067	<1	1.71	0.028	0.04	0.4	3.7	0.08	0.04	<5	0.1	0.06	5.0
G05	Soil	8.4	34.2	0.44	76.2	0.119	<1	1.77	0.012	0.04	0.5	2.9	0.06	0.05	36	0.1	0.06	7.8
G06	Soil	6.5	33.2	0.47	116.7	0.067	<1	1.99	0.015	0.05	0.3	1.9	0.08	0.08	42	0.3	0.08	6.6
G07	Soil	12.7	26.7	0.30	127.7	0.012	2	2.30	0.009	0.06	0.3	0.7	0.06	0.20	62	0.5	<0.02	5.1
G08	Soil	6.0	16.7	0.15	76.2	0.078	<1	0.83	0.011	0.04	0.1	1.7	0.07	0.06	56	0.2	0.02	3.4
G09	Soil	7.7	16.6	0.11	98.2	0.007	<1	1.11	0.010	0.06	0.1	0.4	0.12	0.18	55	0.2	0.04	3.7
G10	Soil	9.0	42.6	0.45	97.8	0.106	1	1.95	0.013	0.05	0.2	4.2	0.10	0.05	77	0.3	0.07	5.0
G11	Soil	11.9	36.2	0.52	88.8	0.091	<1	1.33	0.011	0.05	0.4	3.7	0.07	0.02	23	0.3	<0.02	4.3
G12	Soil	11.2	53.0	0.67	186.9	0.080	<1	2.19	0.021	0.06	3.5	3.9	0.11	0.03	22	0.2	0.11	7.3
G13	Soil	12.5	36.9	0.41	57.1	0.106	<1	1.27	0.011	0.06	1.5	3.2	0.12	0.02	20	0.2	0.05	10.0
G14	Soil	9.7	81.2	0.81	201.3	0.076	<1	2.47	0.021	0.07	4.8	5.1	0.15	0.04	33	0.6	0.09	7.3
G15	Soil	5.6	70.4	0.50	79.5	0.073	1	1.10	0.021	0.07	1.3	2.5	0.11	0.02	13	0.3	0.06	5.5
G16	Soil	13.3	62.5	1.17	126.9	0.076	2	2.43	0.018	0.10	1.5	9.9	0.14	0.03	35	0.2	0.10	7.5
G17	Soil	12.9	18.2	0.19	98.7	0.013	2	1.13	0.023	0.03	0.5	3.8	0.13	0.13	122	1.2	<0.02	2.4
G18	Soil	28.1	34.2	0.80	170.1	0.107	1	2.49	0.011	0.26	0.8	5.3	0.23	0.05	27	0.2	<0.02	10.0
G19	Soil	16.6	33.5	0.90	103.3	0.039	3	2.54	0.021	0.12	3.9	8.2	0.16	0.14	48	1.9	0.19	6.8
G20	Soil	10.3	28.1	0.96	96.9	0.034	<1	2.21	0.010	0.05	0.7	8.3	0.09	0.05	38	0.4	<0.02	5.2
G21	Soil	9.9	40.9	1.00	105.4	0.061	<1	2.46	0.007	0.05	5.9	5.6	0.08	0.02	50	0.3	0.15	6.3
G22	Soil	2.4	43.6	2.11	107.9	0.002	<1	4.48	0.025	0.06	8.9	10.4	0.05	0.04	21	0.4	0.33	6.2
G23	Soil	13.1	56.8	1.91	159.9	0.011	<1	3.27	0.027	0.07	8.9	11.6	0.14	0.06	39	0.3	0.11	6.3
G24	Soil	12.0	44.7	1.51	122.0	0.014	<1	3.04	0.020	0.05	36.7	12.8	0.09	0.07	42	1.0	0.30	6.8
G25	Soil	13.4	57.0	1.15	125.6	0.024	3	2.41	0.015	0.07	19.3	12.1	0.27	0.16	75	1.3	0.42	6.3
G26	Soil	9.5	28.3	1.40	83.7	0.021	1	2.71	0.020	0.05	9.1	17.0	0.14	0.10	17	0.8	0.31	8.0
G27	Soil	10.7	51.0	1.65	94.9	0.019	2	2.95	0.016	0.07	32.2	15.2	0.15	0.07	15	1.1	0.51	7.8
G28	Soil	14.7	45.2	1.25	149.0	0.057	2	2.74	0.011	0.14	8.1	9.3	0.21	0.04	11	0.3	0.19	7.9
G29	Soil	23.1	24.5	0.58	90.0	0.090	<1	1.31	0.010	0.11	1.2	3.8	0.12	<0.02	13	<0.1	<0.02	5.8
G30	Soil	38.1	22.6	0.51	115.9	0.056	<1	1.51	0.009	0.13	2.2	3.7	0.16	0.04	25	0.4	0.09	4.9

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Project: GROMMET
Report Date: July 06, 2012

CERTIFICATE OF ANALYSIS WHI12000154.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
G31	Soil		5.71	56.03	10.84	53.4	67	15.9	8.7	360	2.31	40.2	2.7	11.7	4.1	19.7	0.15	0.24	0.47	45	0.41	0.070
G32	Soil		3.09	113.5	17.65	130.9	221	35.2	13.4	533	3.16	9.4	2.9	3.0	3.4	24.1	0.71	0.42	1.63	62	0.82	0.043
G33	Soil		8.32	74.55	37.69	125.9	96	44.7	26.5	854	4.18	23.0	1.7	3.4	4.4	25.6	0.34	1.52	4.42	76	0.37	0.046
G34	Soil		4.86	47.18	20.26	94.6	277	37.4	27.7	979	4.50	48.9	1.0	4.1	3.2	26.1	0.55	0.83	2.42	99	0.28	0.070
G35	Soil		1.04	62.24	77.69	94.8	127	49.1	27.9	998	4.28	255.3	0.5	21.0	2.3	42.9	0.29	3.04	0.87	103	0.55	0.053
G36	Soil		2.53	166.9	821.7	494.7	3646	94.8	55.2	1697	6.54	2450	0.8	335.1	2.2	195.6	3.86	6.05	2.96	103	0.80	0.058
G37	Soil		1.15	212.8	200.0	229.2	1464	57.7	45.8	1571	6.39	758.0	1.6	159.5	3.4	92.8	1.52	1.75	3.54	112	0.94	0.080
G38	Soil		1.23	112.2	28.65	69.1	233	29.8	32.8	1272	4.25	55.2	0.7	51.1	2.9	126.1	0.32	0.71	0.43	94	0.80	0.041
G39	Soil		37.53	165.1	24.60	60.9	526	31.5	26.0	855	4.70	49.9	1.6	9.9	4.0	47.5	0.25	1.62	3.36	87	0.67	0.066
G40	Soil		27.62	80.22	22.46	51.1	195	15.7	16.5	496	3.45	40.9	0.7	5.1	1.9	26.8	0.26	1.32	14.81	67	0.70	0.052
G41	Soil		46.93	156.5	28.78	73.0	481	26.6	30.8	1000	4.98	344.7	1.0	18.2	3.9	27.0	0.42	3.53	20.72	82	0.40	0.067

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Project: GROMMET
Report Date: July 06, 2012

CERTIFICATE OF ANALYSIS WHI12000154.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
G31	Soil	32.9	26.0	0.61	91.4	0.091	<1	1.76	0.011	0.12	1.0	4.0	0.14	0.04	15	0.2	0.02	6.0
G32	Soil	17.1	38.0	0.89	107.6	0.067	<1	2.30	0.020	0.11	1.0	6.6	0.16	0.04	23	0.7	0.05	5.9
G33	Soil	18.8	47.5	1.00	156.8	0.048	1	2.73	0.013	0.08	2.3	7.0	0.13	0.03	15	0.3	0.14	7.7
G34	Soil	11.8	80.5	1.05	180.7	0.087	<1	3.04	0.016	0.07	2.3	6.5	0.12	0.03	44	0.5	0.14	8.0
G35	Soil	8.1	86.1	1.41	127.7	0.067	2	2.41	0.013	0.06	0.9	8.3	0.12	0.03	19	0.3	<0.02	6.6
G36	Soil	9.3	154.4	1.91	343.3	0.054	<1	3.10	0.045	0.13	1.5	9.7	0.37	0.17	36	1.2	0.29	7.7
G37	Soil	19.7	123.8	1.89	207.3	0.069	1	3.27	0.009	0.14	2.0	10.6	0.25	0.04	71	0.6	0.31	9.3
G38	Soil	12.7	48.3	1.29	239.9	0.055	<1	3.07	0.010	0.04	0.4	10.0	0.07	0.03	33	0.1	0.04	6.5
G39	Soil	20.4	64.7	1.20	113.3	0.063	<1	3.46	0.012	0.11	7.3	8.7	0.17	0.05	70	0.6	0.25	8.5
G40	Soil	10.4	27.8	0.63	68.8	0.053	<1	1.85	0.004	0.10	8.7	4.2	0.11	0.07	51	0.5	0.14	7.3
G41	Soil	11.4	40.2	1.07	83.1	0.028	<1	2.69	0.008	0.08	12.9	9.2	0.27	0.05	50	0.7	0.24	6.3

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Project: GROMMET
Report Date: July 06, 2012

QUALITY CONTROL REPORT WHI12000154.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
G21	Soil	4.75	82.79	14.40	51.8	64	28.9	19.6	426	4.21	50.9	0.6	9.4	4.1	20.2	0.25	1.14	1.59	80	0.17	0.042
REP G21	QC	4.77	93.03	15.17	52.3	67	32.1	20.3	446	4.53	54.1	0.7	6.5	4.8	21.9	0.31	1.23	1.41	87	0.18	0.046
G23	Soil	7.43	94.03	21.72	55.9	474	30.3	26.7	1553	4.25	98.3	0.7	15.2	2.7	80.0	0.20	1.50	11.03	58	1.24	0.059
REP G23	QC	7.41	91.40	22.10	54.5	472	32.4	27.9	1554	4.24	95.0	0.8	12.1	2.7	80.3	0.21	1.47	10.21	60	1.23	0.060
Reference Materials																					
STD DS9	Standard	12.65	116.3	121.7	300.1	1754	43.8	8.2	551	2.28	24.0	2.8	110.7	6.5	70.1	2.25	5.64	7.40	38	0.71	0.075
STD DS9	Standard	12.50	112.0	125.6	322.5	1857	41.5	7.7	584	2.26	25.8	2.7	125.0	6.4	66.7	2.46	5.21	6.44	40	0.69	0.089
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	0.5	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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Project: GROMMET
Report Date: July 06, 2012

QUALITY CONTROL REPORT WHI12000154.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
G21	Soil	9.9	40.9	1.00	105.4	0.061	<1	2.46	0.007	0.05	5.9	5.6	0.08	0.02	50	0.3	0.15	6.3
REP G21	QC	11.7	42.8	1.04	116.8	0.079	<1	2.61	0.007	0.05	6.0	6.6	0.11	0.03	58	0.2	0.09	6.4
G23	Soil	13.1	56.8	1.91	159.9	0.011	<1	3.27	0.027	0.07	8.9	11.6	0.14	0.06	39	0.3	0.11	6.3
REP G23	QC	12.9	56.2	1.92	161.8	0.012	1	3.25	0.027	0.07	9.9	11.1	0.15	0.06	37	0.1	0.12	6.2
Reference Materials																		
STD DS9	Standard	14.2	119.1	0.60	282.9	0.131	2	0.92	0.080	0.38	2.9	2.2	5.40	0.15	190	5.0	5.06	4.4
STD DS9	Standard	12.4	115.2	0.59	313.2	0.106	3	0.91	0.081	0.38	3.2	2.8	5.60	0.16	205	5.7	4.98	4.4
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1