GEOLOGICAL MAPPING AND PROSPECTING ON THE RISBY CREEK PROPERTY

NTS: 105G 10,11,14,15 Watson Lake Mining District, Yukon Territory, Canada

61°43'N 130° 52'W

Author
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CLAIMS:
RC 13-180 (YC94775 – YC94942)

WORK PERFORMED:
May 31 – June 5, 2012

August 25, 2012

Prepared for:
Panarc Resources Ltd.

Prepared by:

AURORA GEOSCIENCES

TECHNICAL REPORT
GEOLOGICAL MAPPING AND PROSPECTING ON THE RISBY CREEK PROPERTY

Effective Date: August 25, 2012

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1 EXECUTIVE SUMMARY

The Risby Creek Property is located at 61°43'N 130° 52' W on NTS 105G 10,11,15 & 16 in the Watson Lake Mining District, 83 km ESE of Ross River, Yukon. The Property is accessible by road from the Campbell Highway and consists of 168 Quartz Claims recorded in the Watson Lake Mining District.

Gold mineralization was discovered on a small, informally named creek (Risby Creek) by Pete Risby in 2009. The Risby Creek Property was staked in June of that year and explored by mapping and sampling in July and September.

This report describes prospecting, geological mapping, geochemical surveys and trenching conducted from May 31, 2012 to June 5, 2012. During this period, the crew mapped the area of the known mineralization, concentrating on locating bedrock sources; installed a 300 m x 400 m soil grid over the showing; and excavated two blast trenches to expose bedrock mineralization.

The property is underlain by a dominantly shallow north-dipping succession of phyllites, carbonates and cherts in a klippe between the Jules Creek and Money Creek Thrust Faults. In the area of the main showing, the north dipping succession appears to be cut by a north trending, east verging thrust fault localized in a graphitic argillite horizon. Rocks within a few metres of the fault are strongly deformed but the remainder of the succession shows only a regional bedding-parallel foliation.

Gold is found with quartz, pyrite, arsenopyrite and limonite in abundant float along a 200 m section of Risby Creek. Gold occurs with pyrite and variable arsenopyrite in quartz that ranges from massive to sucrosic in texture. Gold grades in the 113 samples collected to date range from trace to 4.88 g/t Au with 35 samples returning values greater than 0.1 g/t Au and 12 returning values greater than 0.5 g/t Au. There is a distinct anomalous population of samples running 1-2 g/t Au in the rock sample set.

Prospecting and mapping located two areas where bedrock mineralization was suspected. At Trench TR12-1, east of Risby Creek, a 1.0 m thick bedding parallel quartz vein, quartzite bed or bed or silicified limestone was exposed. This rock unit carried up to 10% pyrite and returned best analyses of 0.87 g/t Au over 1.0 m. This unit was traced for about 50 m on strike in float but is too small to account for the extensive boulder train in Risby Creek.

The soil geochemical survey detected weak multi-element anomalies associated with gold. Peak gold response was 79 ppb Au. Principal component analysis (PCA) of the soil data identified a factor which appears to correlate with mineralization on the east side of Risby Creek.

The results of the work to date indicate that the Risby Creek Property has potential to host stratabound gold in metasediments. Based on these results, a work program consisting of geochemical sampling, trenching and / or shallow diamond drilling is recommended.

2 INTRODUCTION

Aurora Geosciences Ltd. was retained by Panarc Resources Ltd. to conduct prospecting, mapping, trenching and geochemical sampling on the Risby Creek Property in the Watson Lake Mining District, Yukon Territory. The purpose of this work was to investigate gold mineralization on the Property.

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. All geophysical data units are in the metric SI system. Angles are expressed relative to true north unless otherwise stated.

3 LOCATION & ACCESS

The Risby Creek Property is located at 61°43'N 130° 52' W on NTS 105G 10,11,15 & 16 in the Watson Lake Mining District. The property location is shown in Figure 1. The Property is 83 km ESE of Ross River, 138 km ESE of Faro and 225 km NNW of Watson Lake. The Property is centred at approximately km 158 on the Robert Campbell Highway which parallels the southern boundary of the Property. It can be also be reached by helicopter from Faro, Ross River or Watson Lake.

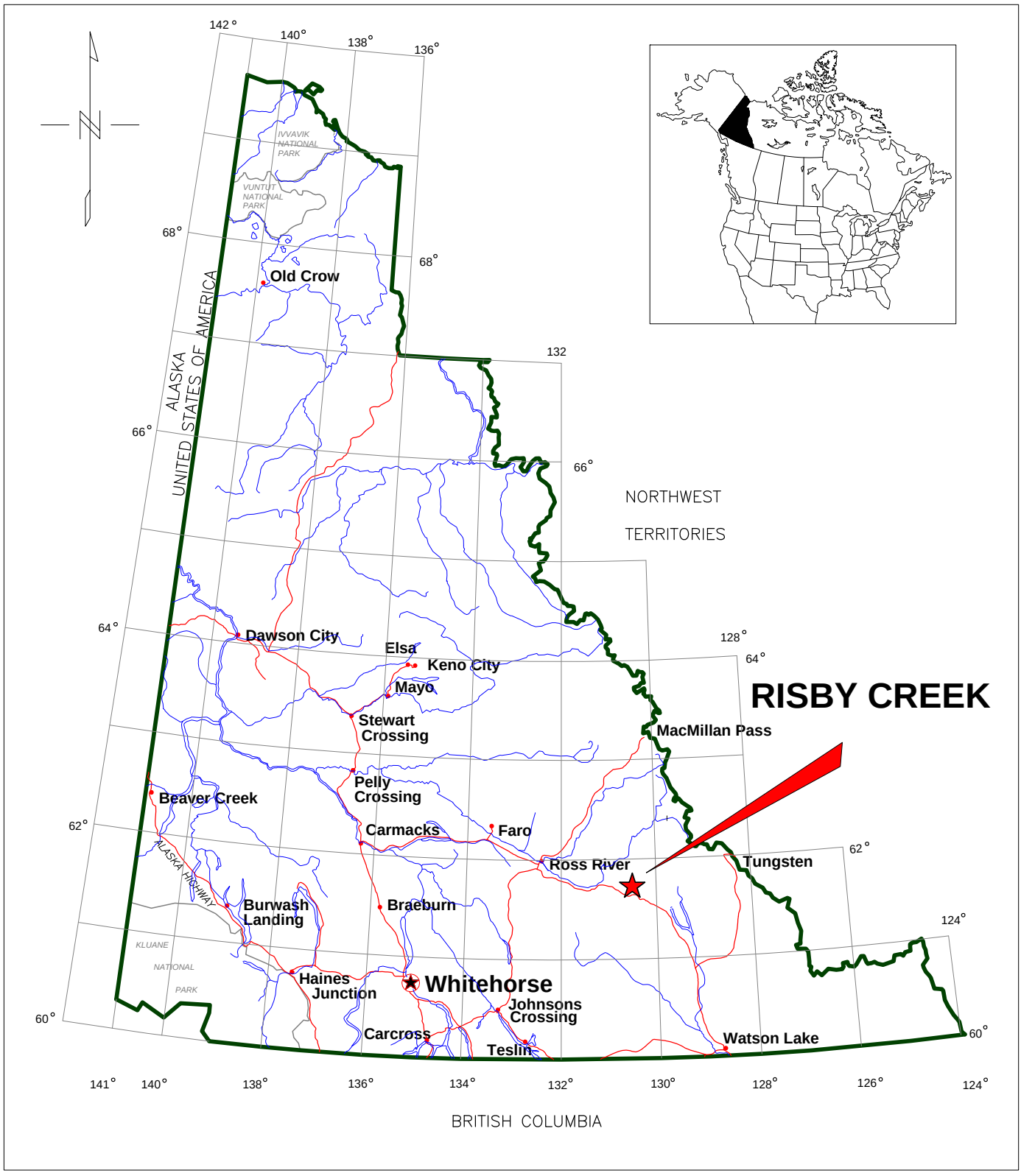
4 PROPERTY DESCRIPTION

The Risby Creek Property consists of 168 Quartz Claims staked under the Yukon Quartz Mining Act and recorded in the Watson Lake Mining District. Claim locations are shown in Figure 2 and claim information[1] is summarized below:

Table 1. Claim data

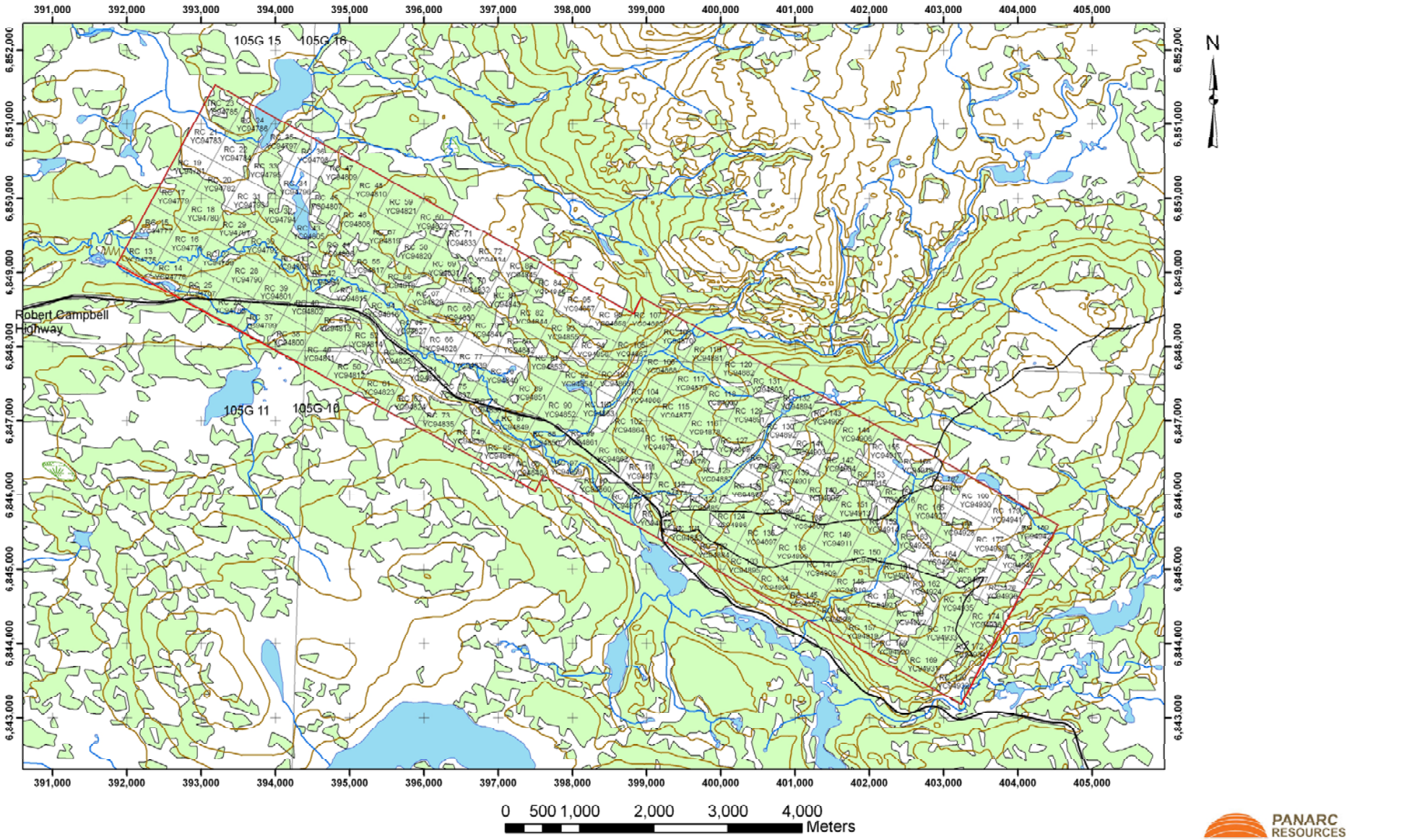
Grant Number	Claims	Expiry date	Map sheet
YC94775 - YC94804	RC 13 - 42	June 16, 2013	105G14
YC94805 - YC94810	RC 43 - 48	June 16, 2013	105G15
YC94811 - YC94812	RC 49 - 50	June 16, 2013	105G10
YC94813 - YC94846	RC 51 - 84	June 16, 2013	105G15
YC94847 - YC94854	RC 85 - 92	June 16, 2013	105G10
YC94855 - YC94858	RC 93 - 96	June 16, 2013	105G15
YC94859 - YC94868	RC 97 - 106	June 16, 2013	105G10
YC94869 - YC94870	RC 107 - 108	June 16, 2013	105G15
YC94871 - YC94894	RC 109 - 132	June 16, 2013	105G10
YC94895 - YC94900	RC 133 - 138	June 16, 2017	105G10
YC94901 - YC94906	RC 139 - 144	June 16, 2013	105G10

[1] Claim information as provided by the Watson Lake Mining Recorder (www.yukonminingrecorder.ca) on 19 Aug 2012. Anniversary dates reflect the value of work described in this report.



100000 0 100000
(meters)

PANARC RESOURCES LTD.	
RISBY CREEK PROPERTY **Figure 1. Property Location Map**	
NTS: 105 G11 Datum: NAD83 Job: PRL-12536-YT	Mining District: Whitehorse Projection: Yukon Albers Date: 30 Jul 12
AURORA GEOSCIENCES LTD.	



RISBY CREEK PROPERTY
Figure 2. Claim Locations

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NTS: 105G 10,11,16,16
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 30 Jul 2012

YC94907 - YC94912	RC 145 - 150	June 16, 2017	105G10
YC94913 - YC94918	RC 151 - 156	June 16, 2013	105G10
YC94919 - YC94922	RC 157 - 160	June 16, 2017	105G10
YC94923 - YC94942	RC 161 - 180	June 16, 2013	105G10

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 $10 per claim.

5 CLIMATE & TOPOGRAPHY

The Risby Creek Property is located in the central Yukon Territory. Climate in the area consists of long cold winters; short, generally dry summers; and brief fall and spring seasons. Climatic data for Faro, 138 WNW from the property area using the nearest station at Faro is summarized by Environment Canada (2012) and is summarized below:

Mean annual temperature	-2.2 C
Min / Max / Average (Jan)	7C / -51C / -21C
Min / Max / Average (Jul)	34C / 6 C / 15C
Annual precipitation	316mm

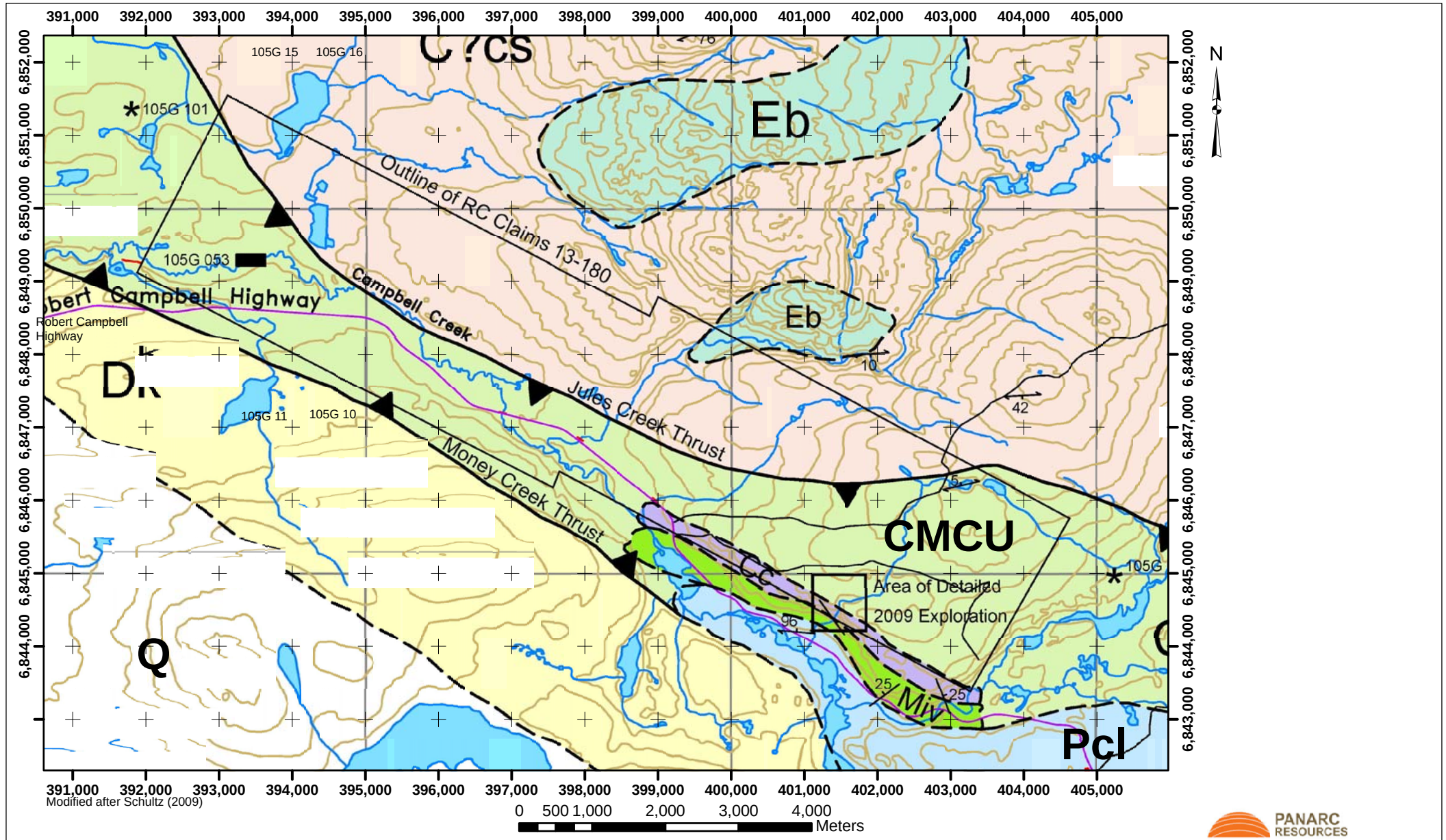
The Property is located in the Pelly Mountains of the Central Yukon. Topography is subdued in the area consisting of rounded hills with a few local ravines. Elevations range from 3000 feet (915 m) to 3800 feet (1180 m) on the property. The area is poorly drained with intermittent to small creeks flowing south towards Campbell Creek along the southern property boundary. South facing slopes are covered with poplar while slopes with other aspect are covered largely by black spruce. Valley bottoms locally contain thick stands of willow and alder.

6 EXPLORATION HISTORY

Mineralization at Risby Creek was first discovered by Pete Risby in May 2009. He noted pyritic boulders in the creek bed and staked the property in mid-June of that year. Underworld Resources visited the property and sampled the occurrences in June 2009 and Carl Schulz of All Terrane Mineral Exploration Services Ltd. conducted mapping and prospecting on the property in September 2009.

7 REGIONAL GEOLOGY

The regional geology in the property area is summarized by Gordey and Makepiece (2000). Murphy *et. al.* (2001) conducted regional mapping in the area following the VMS discoveries in the Finlayson District. The regional geology in the property area is shown in Figure 3.



Modified after Schultz (2009)

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RISBY CREEK PROPERTY
Figure 3. Regional Geology

NTS: 105G 10,11,16,16
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Aug 2012

7.1 Tectonic setting

The property is located in the Yukon Tanana Terrane, south of the Tintina Fault. The Yukon Tanana Terrane consists of a package of Devonian through Pennsylvanian marine metasedimentary and lesser mafic and felsic volcanic rocks which was assembled outboard from North America and docked with the craton during a Triassic collision event. During collision, the package was deformed and metamorphosed to upper greenschist – lower amphibolite facies. The terrane was subsequently ruptured during Tertiary displacement on the Tintina Fault, offsetting a section north of the Tintana Fault ("Yukon Banana") approximately 400 km southeast of equivalent rocks in the western Yukon and Alaska. The Risby Creek Property is situated in this allocthon.

The Risby Creek Property is located in a klippe between two west northwest striking thrust faults. The Jules Creek thrust fault to the north dips south while the Money Creek thrust fault south of the property dips to the north, isolating the dominantly north dipping Campbell Range Succession between the two faults (Murphy *et. al.,* 2001).

7.2 Stratigraphy

The following rock units described in Murphy *et. al.* (ibid) are present in the property area:

Table 2. Regional stratigraphy in the project area

Rock Unit [Age]	Name	Description
Q [Quaternary]		Glacial till
Eb [Eocene]		Massive dark green to black fine grained basalt
C?cs [Carboniferous?]		Variably foliated dark grey phyllite, white ribbon chert, quartz and quartz feldspar sandstone, grit and conglomerate
Pcl [Permian]		Dark grey phyllite, chert, chert-pebble conglomerate, greywacke, diamictite and minor limestone
CMCU [Carboniferous]	Campbell Range Succession	Undifferentiated layered rocks including intermediate to felsic metavolcanic rocks, carbonate, chert, greywacke and phyllite
Cc [Carboniferous]		Massive grey bioclastic crinoidal limestone
Miv [Mississippian]		Green to white chlorite-muscovite, quartz phyllite
Dk [Devonian]	Kudz Ze Kaya Metavolcanic Unit	Undifferentiated foliated feldspar-muscovite-quartz schist or phyllite

7.3 Structure

In the property area, foliation and bedding dip moderately to the north in the klippe between the Jules Creek and Money Creek Thrusts. There are structural complexities apparent in the area of the main showing which are likely present elsewhere in the Campbell Range Succession.

8 WORK PROGRAM

This section describes the work program conducted on the Risby Creek Property in 2012. Geological mapping, prospecting, soil geochemical surveys and blast trenching were conducted on the Property and these are described in the following sections. Appendix II contains a project log and Appendix III contains a summary of expenditures.

8.1 Geological mapping and prospecting

Geological mapping and prospecting was conducted on the Property between May 31 to June 5, 2012. The purpose of this work was to delineate known mineralization, ascertain the geological setting of the known mineralization and to discover new mineralization on and adjacent to the Property.

8.1.1 *Personnel & equipment*

The work program was conducted by the following personnel:

Crew chief:	Mike Power
Junior geologist:	Tomacz Kalkowski
Field assistant:	Neil McKinnon

The crew was equipped with the following instruments and equipment for all components of this program:

Instruments:	3 – Garmin non-differential GPS receivers
Equipment:	1 – set sampling gear 1 – Field office 3 – Radios
Trenching equipment:	1 – Pjonjar gas powered drill & accessories 1 – Powder magazine Type 6 - Explosive 1 - Powder magazine Type 6 - Caps 1 – Blasting equipment (galvos, wire, reels, punches, etc.) 1 – Trenching tools (picks, shovels, prybars)
Camp:	1 – 3 man camp w/sleeping, kitchen gear 1 – Satellite phone 1 – 2KW gas inverter
Vehicles:	2 – 1Ton truck 2 – Polaris ATV

8.1.2 *Specifications*

Geological mapping and prospecting were 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:	Geological stations were not marked. All sample locations were marked with orange & blue flagging and metal tags upon which the sample numbers were scribed.
Traverses:	Recorded with non-differential GPS receivers.
Magnetic declination:	26^0 E

8.1.3 *Data products*

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

Appendix IV	Geological observations
Appendix V	Sample descriptions & analyses
Appendix VI	Assay certificates

Data is plotted in the following maps and sections included in this report:

Figure 4.	Geology – Main showing
Figure 14.	Sample locations
Figure 15.	Rock sample results - Au
Figure 16.	Rock sample results – As

Digital data on the data stick in this report includes:

Sample data	Geology\Sample data
Geological data	Geology\Stations
Assay certificates	Assays\Rock samples

8.2 Soil geochemical survey

A soil geochemical survey was conducted on the Property between May 31 to June 5, 2012. The purpose of the survey was to locate mineralization in covered intervals near the main showing.

8.2.1 *Specifications*

Geological mapping and prospecting were 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 orange flagging and metal tags upon which the sample numbers were scribed.
Sampling:	Soil samples were collected from the B-horizon (where present) in holes dug with a mattock. Maximum hole depth was 3 feet.
Records:	Location, depth, sample description, slope aspect and drainage information were recorded at each site.

8.2.2 *Data products*

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

Appendix VII	Soil sample summary sheets
Appendix VI	Assay certificates

Data is plotted in the following maps and sections included in this report:

Figure 18.	Soil sample locations
Figure 19.	Soil sample results - Gold
Figure 20.	Soil sample results – Arsenic
Figure 21.	Soil sample results - Silver
Figure 22.	Soil sample results – Tellurium
Figure 23.	Soil sample results - PCA Component 10
Figure 24.	Soil sample results – PCA Component 7

Digital data on the data stick in this report includes:

Sample data	Geochemistry\Sample data
Assay certificates	Assays\Soil samples

8.3 Trenching

Two trenches in the area of the known mineralization were drilled, blasted and excavated between June 2 -5, 2012.

8.3.1 *Specifications*

Trenching was conducted according to the following specifications:

Trench TR-12-1

Origin location:	401462E 6844489N (NAD 83 / Zone 9N)
Azimuth:	232^0
Slope:	-24^0
Length:	3.0 m
Depth:	2.0 m max

Trench TR-12-2

Origin location:	401376E 6844356N (NAD 83 / Zone 9N)
Azimuth:	199^0
Slope:	-4^0
Length:	4.0 m
Depth:	3.0 m max

8.3.2 *Data products*

Trench logs are in Appendix VIII.

8.4 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 the analytical laboratory with security tags. Samples were retained in the custody of Aurora personnel throughout transportation to the laboratory. All analyses were conducted by Acme Analytical Laboratories Ltd. after submission to their Whitehorse Office. Assay certificates are in Appendix VI.

8.5 Rock samples

Grab and chip samples were collected during the work program. Samples of apparent high grade mineralization (selected grab samples) or representative mineralization (grab samples) were collected from bedrock outcrops, rubble and float. The purpose of the sampling was to determine the full range and grade of economic mineralization on the property.

Chip samples were collected across mineralized intervals with a hammer and moil. Sample intervals were in all cases less than 1.5 m and in no case crossed boundaries between different rock types or styles of mineralization.

At the laboratory, rock samples were prepared and analyzed as follows:

1. Samples were weighed and crushed to 80% passing through a 10 mesh screen.
2. A 250 g subsample was split and pulverized to 80% passing a 200 mesh screen
3. A 0.5 g split was leached in hot (95C) Aqua Regia.
4. The solution was analyzed with induced coupled plasma mass spectrometry (ICP-MS)
5. A separate 30 g split was analyzed for gold by fire assay with an atomic absorption (AA) finish.

8.6 Geochemical samples

Soil geochemical samples were collected from the B-horizon (where present) or from the deepest portion of the excavated sample hole.

At the laboratory, soil samples were prepared and analyzed as follows:

1. Samples were dried at 60^0C and a 100 g subsample was sieved at -80 mesh.
2. A 15 g subsample was digested in Aqua Regia
3. The solution was analyzed with induced coupled plasma mass spectrometry (ICP-MS)

9 PROPERTY GEOLOGY & ECONOMIC MINERALIZATION

This section describes the geology on the Risby Creek Property based on the work to date and on previous work by Schultz (2009).

9.1 Rock units

Geological mapping has been confined to the area bounded by 401300E, 6844300N to 401600E, 6844550N on Claims RC 145 – 148 which contains the known mineralization on the property (Main Showing). The following rock units are present on the property in this area :

Table 3. Property scale rock units

Rock Unit [Age]	Description
Phyllite	Green to tan, thinly laminated muscovite-chlorite phyllite
Chert	Thin bedded, locally calcareous, resistant weathering green to grey chert
Limestone	Light grey to tan, resistant, locally siliceous (cherty) thin bedded to massive.
Graphitic argillite	Black to dark grey, thinly laminated, dominantly graphite with sparse siliceous or calcareous laminae, all intensely deformed.
QV	Sulphide bearing, dominantly quartz rich, locally calcareous quartzite or silicified limestone.

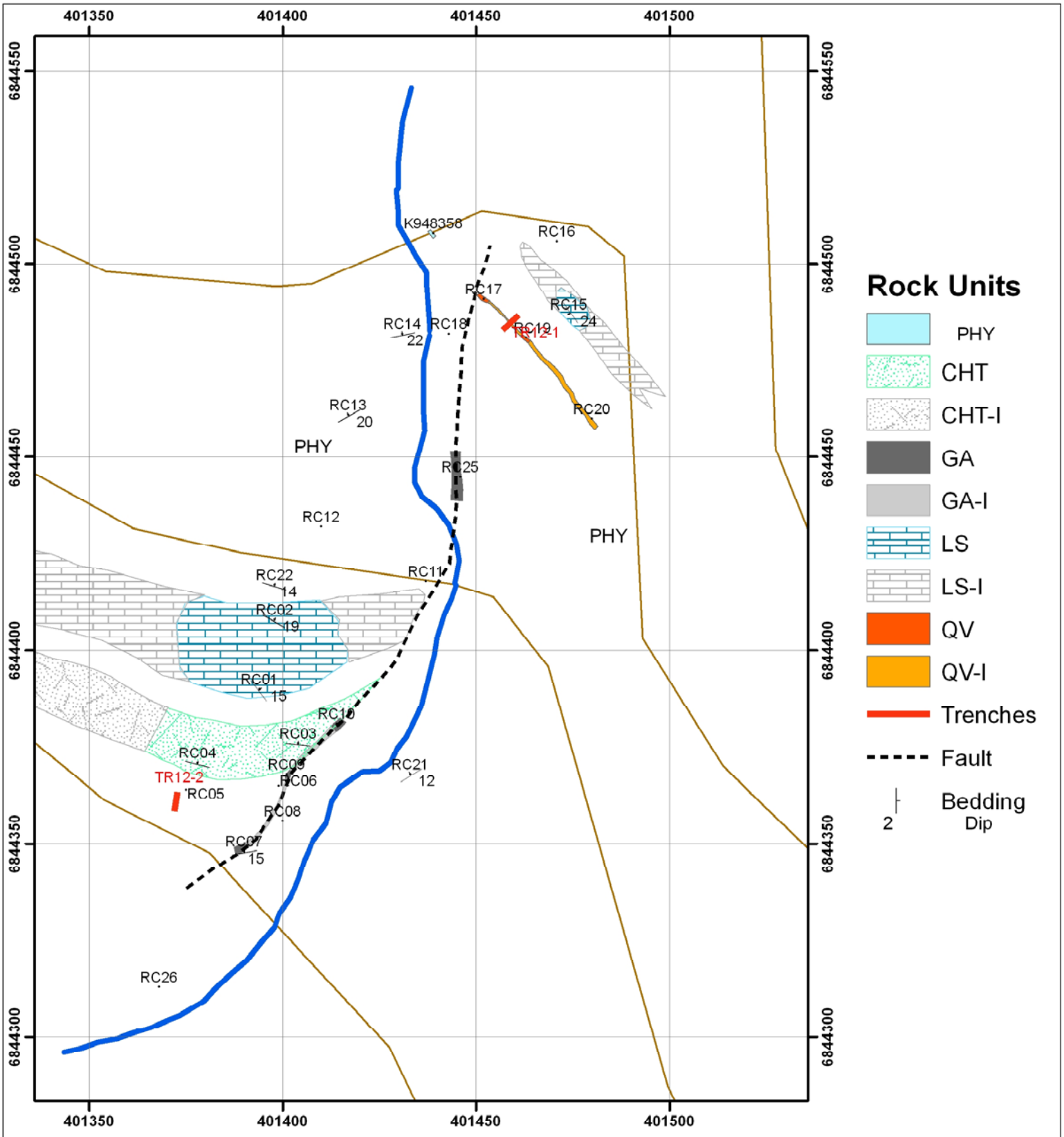

Figure 4. Geology - Main Showing

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NTS: 105 G 10, 11, 14, 15
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Aug 2012

Figure 4 shows the geology in the area of the Main Showing. Outcrop is sparse and the inferred extent of rock units found in outcrop is shown. Rock units are described in the subsequent sections.

9.1.1 *Phyllite*

Phyllite (PHY) occurs in outcrop and float along both sides of Risby Creek and appears to be the dominant rock type in the area of the Main Showing. The phyllite is shiny medium grey weathering light green-grey to medium grey, and laminated on a sub-millimeter scale. Chlorite laminae envelope very fine crystalline (<1 mm) dark grey quartz grains and layers, some of which are calcareous. Near limestone beds along Risby Creek, the phyllite is very calcareous with calcite developed along layer boundaries. In other localities, the phyllite can be graphitic or consist of interbedded graphite and phyllite on a millimeter scale. Psammitic phyllite tends to be medium grey while more argillaceous phyllite is light grey with a green tinge. The phyllite is readily deformed and exhibits both S1 folds and L1 lineations, the latter dominantly along fold axes.

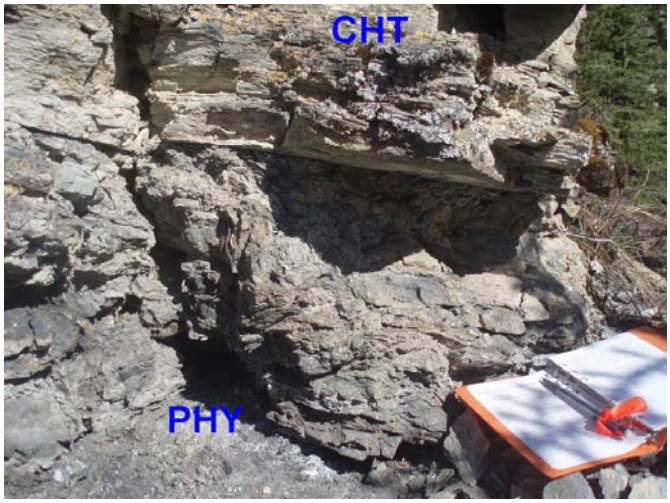


Figure 5. Phyllite beneath chert (RC01) 1

9.1.2 *Chert*

Chert (CHT) occurs in massive, resistant outcrops on the west side of Risby Creek. This unit is medium grey (massive) to green grey (thinly laminated) and consists of very fine crystalline quartz (<0.5 mm) and light green-grey chert. The chert is locally recrystallized and dark grey. Small calcite blebs to several millimeters and sparse (5-10 mm apart) calcite rich laminae are locally found but the rock is dominantly not foliated. Where chert is especially abundant, the rock has a soapy texture. In some outcrops, the chert of both massive beds 5-30 cm thick interspersed with sections of alternating chert and phyllite in layers 2-5 mm thick. Contacts with other units appear to be gradational and interbedded chert with graphite, phyllite and limestone

Figure 6. Chert with S0 fold (RC13)

were noted at various localities. The chert is dominantly undeformed although phyllitic layers within it show the regional foliation. At RC07, a slump fold in the chert (S0 fold) was noted.

9.1.3 *Limestone*

Limestone (LS) occurs on both sides of Risby Creek with the largest exposure in the cliffs on the west side of the creek. This rock unit is medium grey weathering light green grey or buff tan with an irregular etched appearance on weathered surfaces. It is a grainstone with subrounded 0.5 to 1.0 mm well sorted calcite clasts cemented by very fine crystalline calcite. Individual beds are generally 5 to 15 cm thick but can be up to 5 m thick (RC01). At RC15, the unit is cut by a bedding-parallel 2-5 cm thick white quartz vein and contains limonite blebs. The unit is structurally rigid and is only gently folded in outcrops where interbedded phyllite is intensely folded.

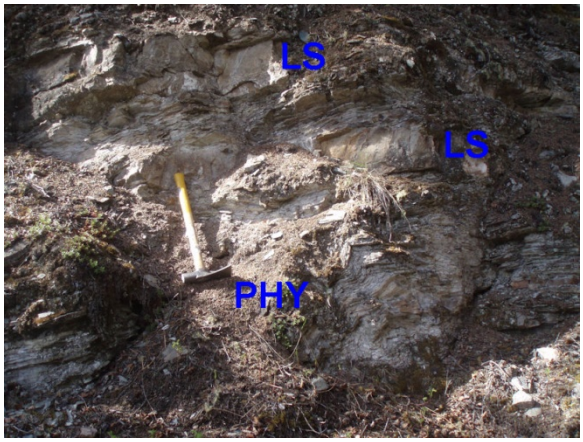


Figure 7. Limestone & phyllite (RC07) 1

9.1.4 *Graphitic argillite*

Graphite and graphitic argillite (GA) occurs in a narrow band along either side of Risby Creek. This unit may have captured a local fault as it is intensely deformed and rocks both above and below it show more intense deformation close to this rock unit. It consists of black graphite and graphite with interbeded phyllite and (rare) calcite or quartz laminae. The rock weathers dark to medium grey and red rusty-brown. It is thin to very thinly laminated (<0.5 mm) and intensely deformed with tight isoclinal folds on centimeter scales. Exposures of this unit range from 1 to more than 3 m thick. This unit is recessive. In addition to the series of outcrops along the banks of Risby Creek, it is found beneath the mineralized quartz bearing horizon (QV).

Figure 8. Graphitic argillite above phyllite (Stn RC07)

9.1.5 *Mineralized horizon*

Sulphide bearing quartz is found in subcrop and float along and on the east side of Risby Creek. This material appears to originate from either quartz veins or highly altered quartzite or limestone. In trench TR12-1, this material was found in place in a 1 m thick conformable bed or bedding-parallel vein. In this trench, the unit dips NNW at less than 20^0. There are float boulders in Risby Creek containing similar material which are larger (wider) than the trench intersection. The rock is white and orange-brown weathering rusty red-brown. It is composed of grey glassy and white coarse to fine, sugary crystalline quartz with trace to 10% pyrite and lesser to absent arsenopyrite in disseminated euhedral crystals, in laminae within the unit and as local masses or clots to several centimeters in size. The rock is locally laminated but is not pervasively foliated. It shows no evidence of shearing or brecciation. This rock unit is bounded by graphitic phyllite and phyllite in TR12-1 and occurs with phyllite rubble elsewhere in the immediate area.

Figure 9. Float sample of QV horizon (RC11)

9.2 Structure

The rocks on property have been metamorphosed to greenschist facies, resulting in the development of a foliation (S1) subparallel with bedding. It is ubiquitous in the phyllite, defined by chlorite and muscovite, but is weak to absent in the chert and limestone beds.

Figures 9 and 10 are stereograms of poles to bedding and foliation for the data collected during 2012. On the whole, bedding strikes east-west and dips gently north. Foliation is essentially parallel to bedding in the area of the Main Showing.

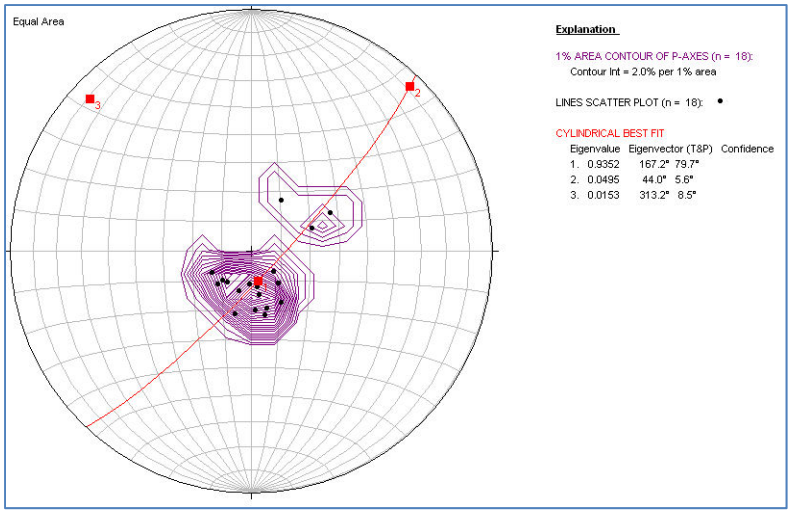


Figure 10. Stereogram - Poles to bedding

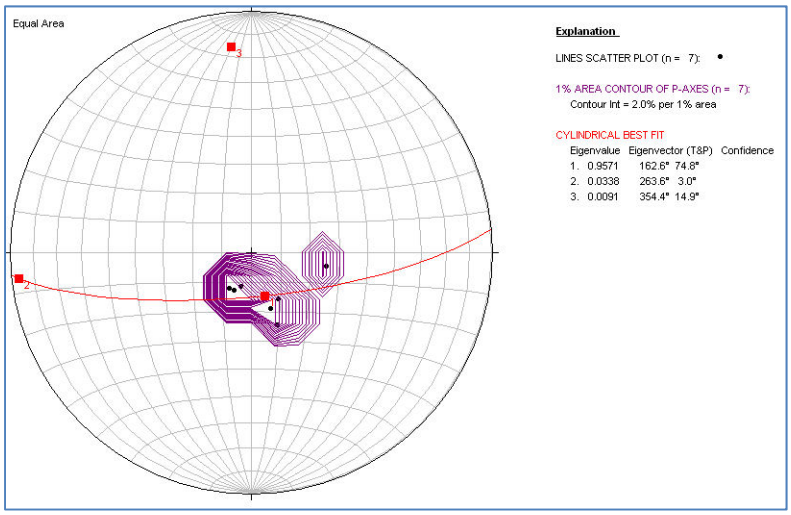


Figure 11. Stereogram – Poles to foliation

Bedding above and below the graphitic argillite layer is intensely deformed however, with even relatively competent cherts and limestone showing strain. Figure 12 illustrates this with both phyllites and chert beds folded immediately beneath the graphitic argillite, on the west side of Risby Creek. At a larger scale, there is a slight discordance in bedding on either side of the graphitic argillite and the limestone unit appears to be slightly displaced to the north. Taken together this suggests that a fault may be localized within the relatively incompetent graphitic argillite.

Figure 12. Stn RC08 below graphite showing deformation of chert and phyllite

There is some evidence for structures of similar style nearby. At a road cut approximately 400 m southwest of the mapping area [400172E, 6844522N], a similar succession of rocks is cut by north striking, shallow west dipping thrust faults of minor displacement. Graphite was not observed there but the faults followed the least competent phyllite units in displacing the more competent limestone at this locality. We infer from this example that similar deformation may have affected the rocks in the area of the Main Showing.

There is indirect evidence for shallow east-west displacement across the inferred fault at Risby Creek. Figure 12 is a stereogram of minor fold axes observed largely in the phyllite. Away from the fault, these fold axes are dominantly east-west and shallow plunging. Near the fault, the fold axes are rotated to north-south but remain shallow plunging. This orientation is consistent with low angle east-west compression and may indicate the sense of displacement across the inferred fault near Risby Creek.

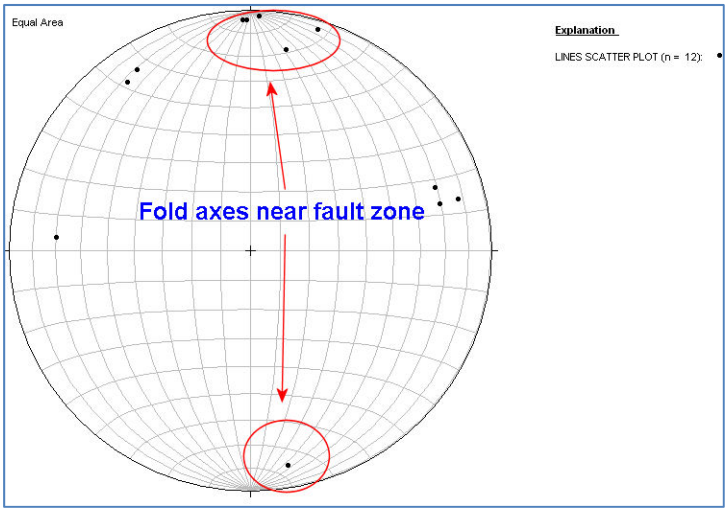
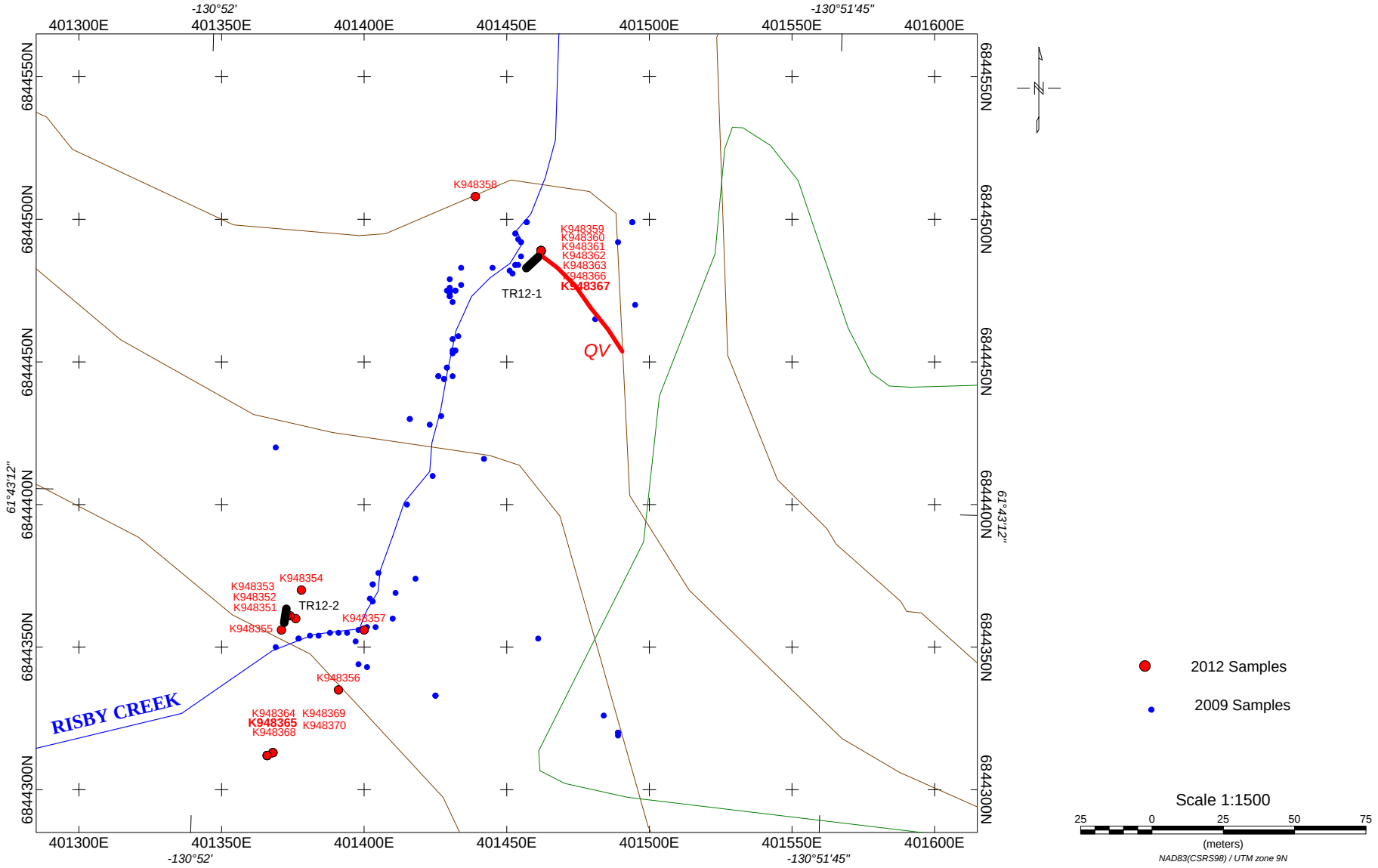


Figure 13. Stereogram - minor fold axes

9.3 Mineralization

This section describes the economic mineralization on the Property delineated to date by geological mapping, trenching and geochemical surveys.



2009 sample results - Float samples - Schultz (2009)
2012 sample results - Bedrock samples - This report

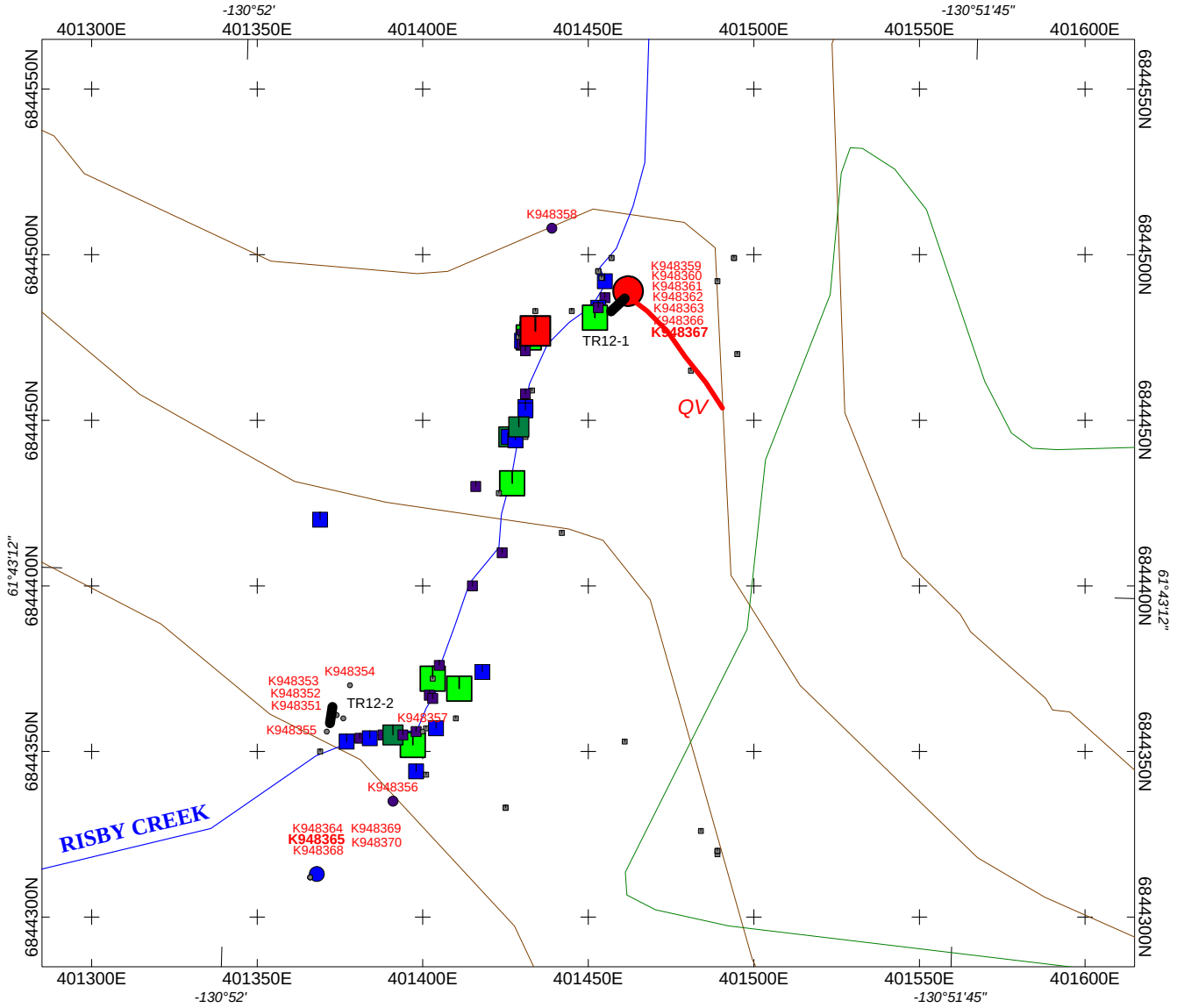
PANARC RESOURCES LTD.

RISBY CREEK PROPERTY
Rock Sample Results
Figure 14. Sample locations

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Aug 2012

AURORA GEOSCIENCES LTD.



2009 sample results - Float samples - Schultz (2009)
2012 sample results - Bedrock samples - This report

Gold - 2009
(ppm)

>	2
1 -	2
0.5 -	1
0.1 -	0.5
0.01 -	0.1
<	0.01

Gold - 2012
(ppb)

>	2000
1000 -	2000
500 -	1000
100 -	500
10 -	100
<	10

Scale 1:1500

25 0 25 50 75

(meters)

NAD83(CSRS98) / UTM zone 9N

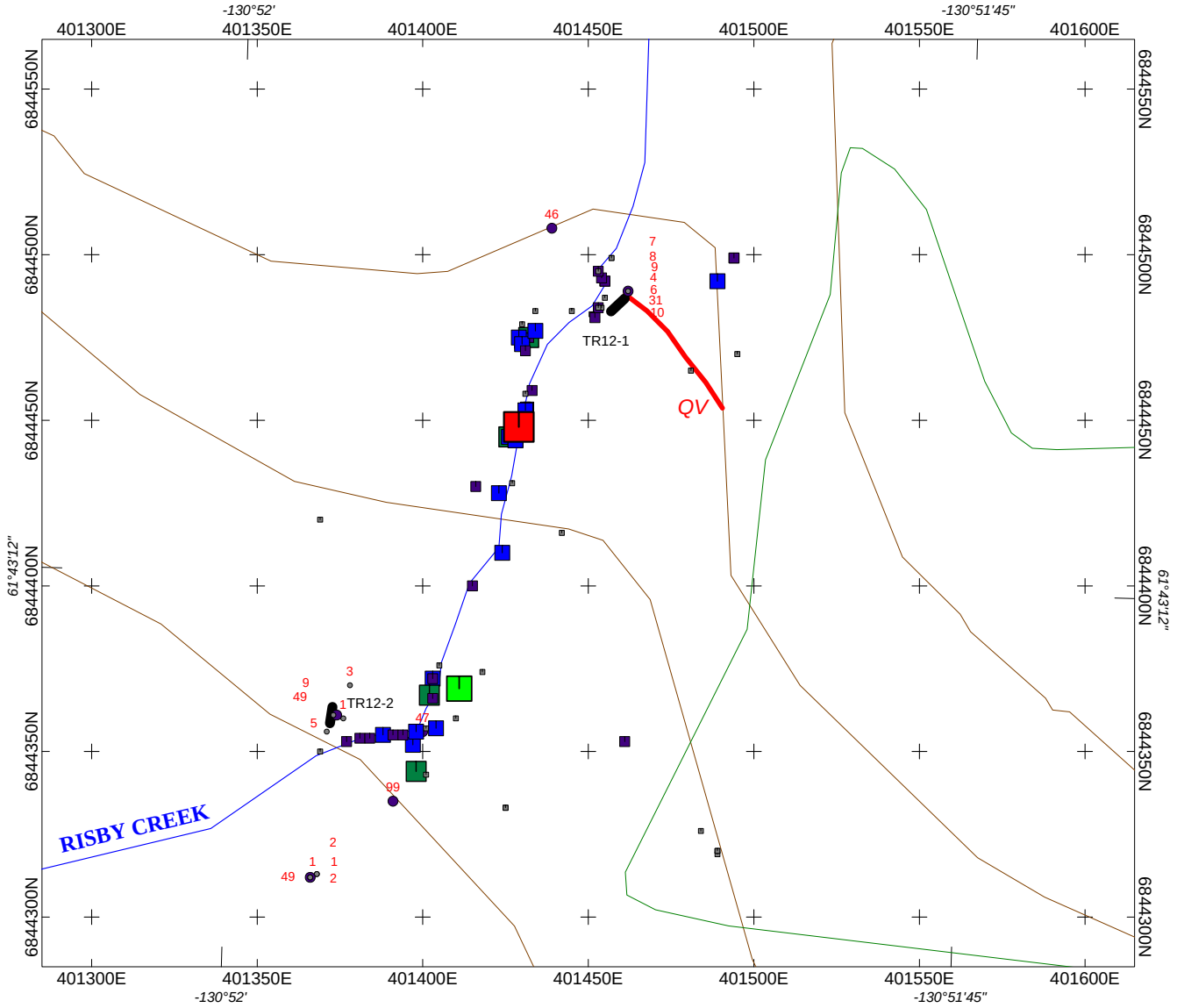
PANARC RESOURCES LTD.

RISBY CREEK PROPERTY
Rock Sample Results
Figure 15. Gold analyses

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Aug 2012

AURORA GEOSCIENCES LTD.



2009 sample results - Float samples - Schultz (2009)
2012 sample results - Bedrock samples - This report

Arsenic - 2012
(ppm)

>	2000
1000 -	2000
500 -	1000
100 -	500
10 -	100
<	10

Arsenic - 2009
(ppm)

>	2000
1000 -	2000
500 -	1000
100 -	500
10 -	100
<	10

Scale 1:1500

25 0 25 50 75

(meters)

NAD83(CSRS98) / UTM zone 9N

PANARC RESOURCES LTD.

RISBY CREEK PROPERTY
Rock Sample Results
Figure 16. Arsenic analyses

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 20 Aug 2012

AURORA GEOSCIENCES LTD.

9.3.1 *Geology*

During the 2012 program, 20 rock samples from material believed to be in-place or proximal to in-place material were collected and analyzed. This approach complements the 2009 sampling which was exclusively focused on float samples and did not record the collection of any in-place samples.

Gold is found in quartz-rich samples resembling quartz vein material. The quartz ranges from massive, coarse crystalline quartz to fine crystalline sugary quartz with abundant boxworks and limonite. Pyrite with or without arsenopyrite are found with gold rich samples. Samples with the highest gold grades (to 4.88 g/t Au) do not contain the highest arsenic values. Arsenic is most common in samples with gold grades from 0.8 to 1.5 g/t Au. A bedrock source of this material has been located in trench TR12-1 on the east side of Risby Creek where limonitic quartz with disseminated pyrite is found in a 1 m thick, gently NW dipping bed or flat lying vein. Grab samples from the vein returned up to 0.87 g/t Au (gravimetric) / 2075 ppb Au (ICP). Chip samples collected across this unit are likely not representative because of the shallow dip. Schultz (2009) speculated that the mineralized float in Risby Creek may originate from a silicified limestone horizon; the rocks exposed in TR12-1 fits this conjecture. It is doubtful that the bedrock mineralization discovered to date can account for the widespread mineralization in Risby Creek.

Figure 14 shows the location of the samples collected during 2012 while Figures 15 and 16 display the results for gold and arsenic respectively for both the 2009 and 2012 samples. Geostatistical analysis of the rock sample results are summarized in the table below:

Table 4. Rock sample statistics

Variable	*Minimum*	*Maximum*	*Mean*	*Std. deviation*
Au_ICP	0.250	2075.500	135.998	464.438
As	0.250	98.700	19.255	25.956
Cu	4.600	160.400	35.735	34.789
Bi	0.050	0.300	0.063	0.056
Zn	6.000	102.000	36.300	27.085
Ag	0.050	1.100	0.220	0.255
Pb	0.500	18.300	5.155	4.594
Ni	11.900	72.600	28.170	17.383
Co	0.800	19.000	7.160	5.963
Mo	0.050	0.900	0.508	0.281
Mn	154.000	7915.000	1549.700	1909.997
Fe	0.590	6.550	2.945	1.845
Th	0.050	4.100	1.133	1.195
Sr	2.000	437.000	122.950	126.752
Cd	0.050	1.600	0.278	0.420
Sb	0.050	76.400	4.718	16.895
V	1.000	50.000	19.350	13.339
Ca	0.030	14.500	3.149	3.971
P	0.002	0.165	0.042	0.042

La	0.500	14.000	5.000	4.249
Cr	4.000	58.000	17.600	12.890
Mg	0.040	7.720	1.455	2.351
Ba	3.000	4012.000	669.200	1134.129
Ti	0.001	0.011	0.002	0.003
B	10.000	10.000	10.000	0.000
Al	0.030	1.290	0.475	0.407
Na	0.001	0.017	0.006	0.004
K	0.005	0.240	0.084	0.074
W	0.050	0.100	0.055	0.015
Hg	0.005	0.690	0.082	0.152
Sc	0.100	4.500	1.705	1.174
Tl	0.050	0.050	0.050	0.000
S	0.025	1.980	0.492	0.607
Ga	0.500	3.000	1.450	1.087
Se	0.250	5.900	1.563	1.656
Te	0.100	0.100	0.100	0.000

Principal component analysis (PCA) of the rock sample results was performed with XLSTAT™. The results for the three components of the first 20 with the largest correlation with Au are summarized in the table below:

Table 5. Au dominated principal components

Element	*F16*	*F17*	*F19*
Au_I	**0.137**	**0.219**	**0.205**
As	**0.106**	0.136	-0.158
Cu	0.070	-0.190	**0.206**
Bi	-0.080	-0.083	-0.105
Zn	-0.256	0.040	-0.099
Ag	-0.057	-0.147	-0.393
Pb	**0.198**	0.100	**0.262**
Ni	0.172	0.033	**0.141**
Co	0.083	-0.237	**0.129**
Mo	0.103	-0.353	0.071
Mn	-0.193	-0.116	-0.208
Fe	0.331	0.101	**0.194**
Th	0.193	-0.066	-0.171
Sr	0.100	**0.180**	-0.031
Cd	-0.187	**0.204**	**0.457**
Sb	-0.094	0.016	-0.012
V	**0.270**	-0.016	-0.033

Ca	0.049	-0.062	0.020
P	0.153	-0.065	0.029
La	0.138	**0.242**	-0.111
Cr	-0.187	0.061	0.027
Mg	0.009	-0.221	-0.051
Ba	0.083	0.119	**0.162**
Ti	-0.142	0.126	-0.008
B	0.000	0.000	0.000
Al	-0.086	**0.422**	-0.100
Na	**0.247**	-0.060	0.056
K	0.081	-0.201	-0.171
W	0.073	**0.230**	-0.100
Hg	-0.019	0.091	-0.069
Sc	-0.002	**0.257**	-0.294
Tl	0.000	0.000	0.000
S	-0.329	**0.181**	0.057
Ga	-0.220	-0.122	0.101
Se	**0.386**	**0.166**	-0.290
Te	0.000	0.000	0.000

These results confirm observations by Schultz (2009) that there are two populations of gold bearing rocks; an arsenic rich population (correlating with As, Sr, Cd, La, Al and W) and an arsenic poor population (correlating with Cu, Pb, Ni, Co, Fe, Cd and Ba). The former population appears to have a signature associated with granitic intrusions (exception Cd) whereas the latter population is more characteristic of a mafic to ultramafic association. Fuschite and weak listwanite alteration were noted in some samples collected from a vein on the west side of Risby Creek; this appears to correlate with the latter population.

A total of 113 bedrock and float rock samples have been collected to date on the property. Of these, 35 returned gold values in excess of 0.1 g/t Au and Figure 17 depicts the distribution of gold from these samples. There is a distinct population of samples with grades in the range of 1 to 2 g/t Au in the sample set.

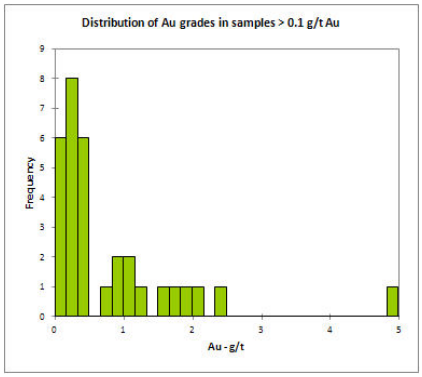


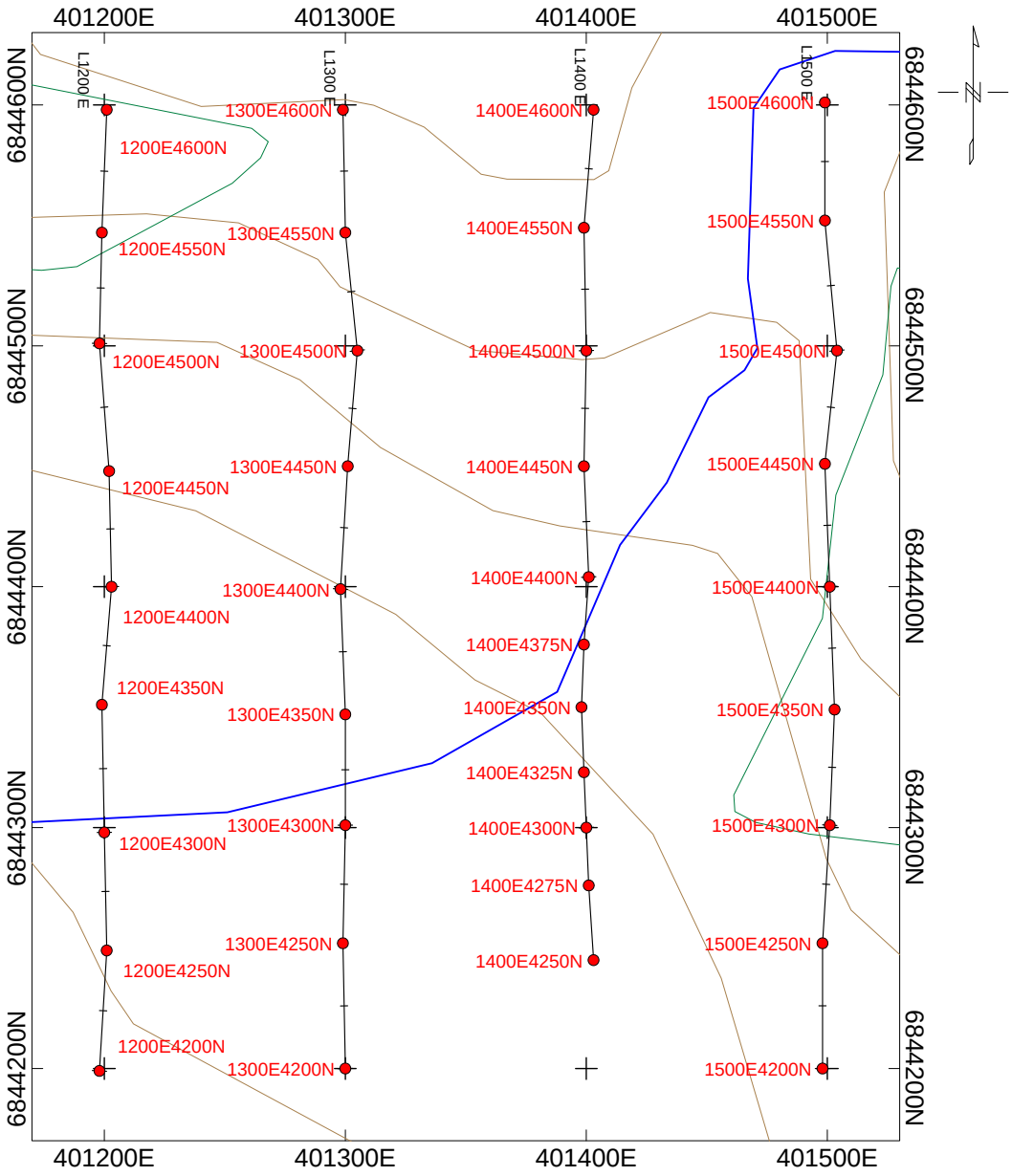
Figure 17. Au grades >0.1 g/t 1

9.3.2 *Geochemical surveys*

The location of soil samples, results by element and the results of principal component analysis of soils results are shown in Figures 18 to 24. The table below summarizes the statistics for the soil geochemical survey by element:

Table 6. Summary statistics – Soil geochemistry

Element	*Minimum*	*Maximum*	*1st Quartile*	*Median*	*3rd Quartile*	*Mean*	*Standard deviation (n)*
Ag	76.000	1292.000	227.250	316.500	461.000	387.500	271.484
Al	0.690	3.920	0.920	0.980	1.150	1.108	0.507
As	4.100	29.500	8.225	9.600	12.275	10.982	5.148
Au	0.400	84.200	2.225	3.700	5.825	6.463	13.170
B	0.500	4.000	1.000	2.000	2.000	1.750	1.075
Ba	145.400	637.500	301.600	357.050	439.400	370.995	112.853
Bi	0.100	0.310	0.143	0.170	0.220	0.187	0.052
Ca	0.130	7.540	0.245	0.415	1.148	1.108	1.633
Cd	0.100	1.780	0.318	0.595	0.858	0.637	0.402
Co	4.900	59.900	7.625	8.300	9.700	10.339	8.825
Cr	16.000	178.600	20.625	25.350	27.900	31.176	27.758
Cu	10.160	134.440	21.618	29.300	39.858	37.124	27.124
Fe	1.380	8.170	1.798	2.000	2.283	2.230	1.085
Ga	1.900	9.200	2.500	2.600	2.875	2.861	1.138
Hg	10.000	612.000	35.500	89.500	152.250	113.632	107.251
K	0.050	0.190	0.080	0.090	0.120	0.102	0.033
La	10.200	28.000	12.625	15.250	16.550	15.268	3.390
Mg	0.200	2.860	0.333	0.400	0.573	0.539	0.460
Mn	128.000	1085.000	265.000	366.000	430.500	405.474	219.392
Mo	1.100	6.920	1.373	1.840	2.170	1.994	0.947
Na	0.001	0.021	0.004	0.007	0.011	0.007	0.004
Ni	13.300	183.700	26.875	31.050	38.150	40.245	35.573
P	0.030	0.154	0.053	0.085	0.105	0.081	0.034
Pb	8.680	48.970	11.728	13.950	16.730	15.554	7.557
S	0.010	0.130	0.010	0.010	0.020	0.023	0.028
Sb	0.510	2.960	1.070	1.370	1.765	1.504	0.587
Sc	1.000	8.100	2.100	2.750	3.200	2.761	1.143
Se	0.300	3.900	0.500	0.600	0.800	0.842	0.710
Sr	9.800	155.800	21.450	30.850	54.700	44.047	34.475
Te	0.010	0.120	0.040	0.050	0.060	0.050	0.023
Th	0.800	10.600	2.700	2.900	3.900	3.324	1.582
Ti	0.002	0.023	0.008	0.011	0.014	0.011	0.004
Tl	0.080	0.260	0.110	0.140	0.168	0.142	0.043
U	0.300	2.100	0.600	0.800	0.900	0.803	0.343



Scale 1:3000

50 0 50

(meters)

NAD83(CSRS98) / UTM zone 9N

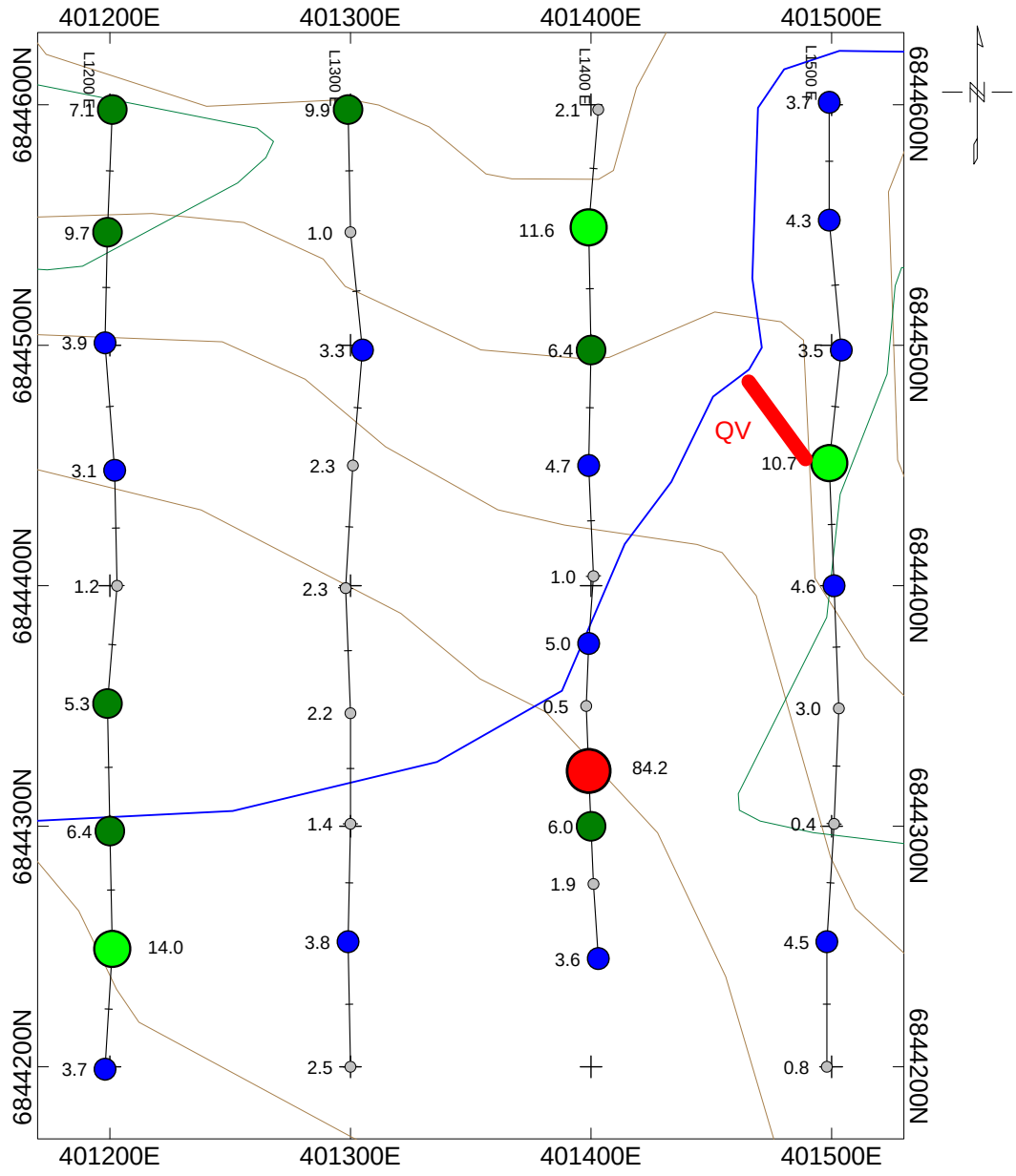
PANARC RESOURCES LTD.

RISBY CREEK PROJECT
Geochemical Survey
Figure x. Base map

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 21 Aug 12

AURORA GEOSCIENCES LTD.



Gold
(ppb)

>	20
10 -	20
5 -	10
3 -	5
<	3

Scale 1:3000

50 0 50

(meters)

NAD83(CSRS98) / UTM zone 9N

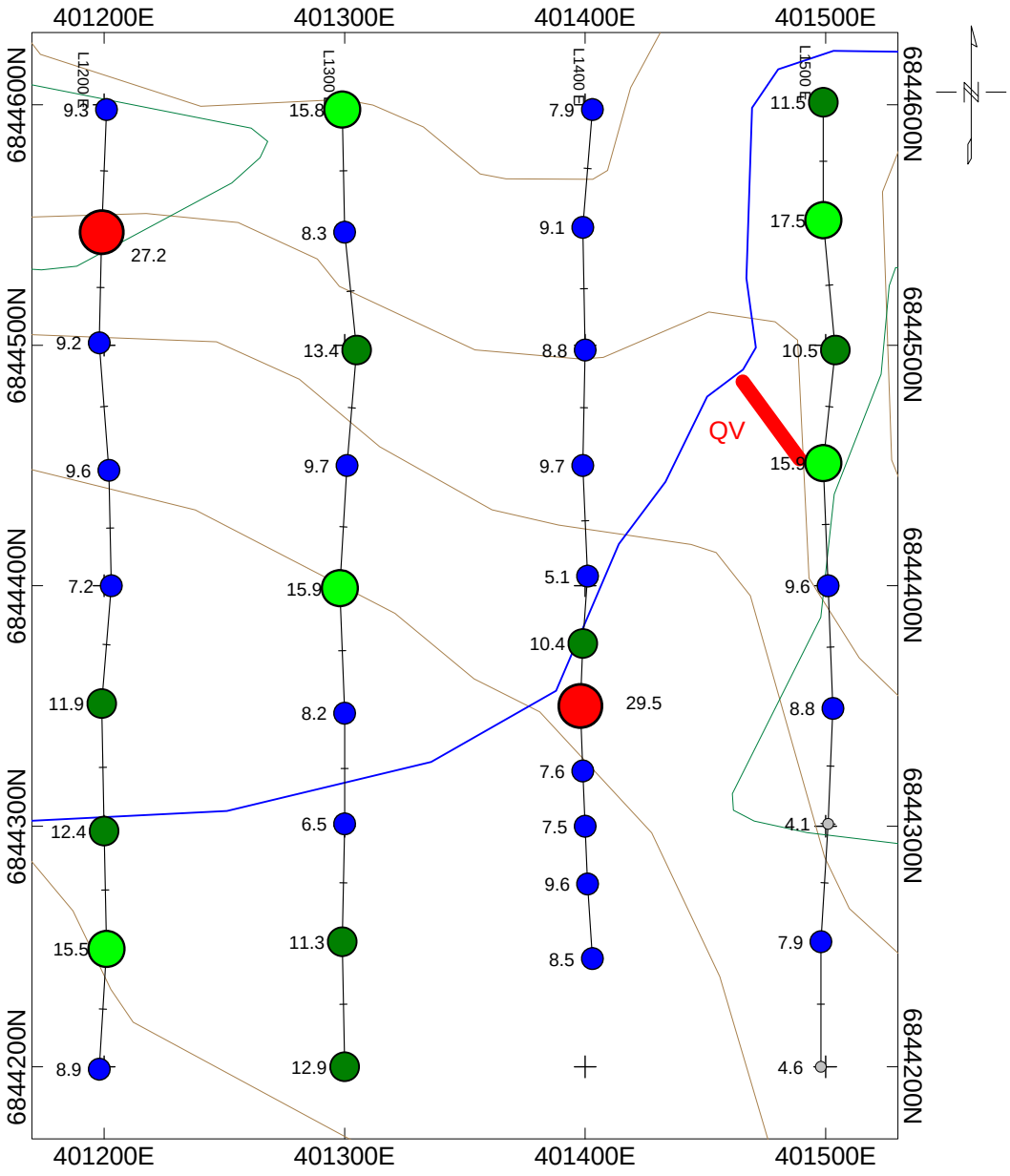
PANARC RESOURCES LTD.

RISBY CREEK PROJECT
Geochemical Survey
Figure 19. Gold

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 21 Aug 12

AURORA GEOSCIENCES LTD.



Arsenic
(ppm)

>	20
15 -	20
10 -	15
5 -	10
<	5

Scale 1:3000

50 0 50

(meters)

NAD83(CSRS98) / UTM zone 9N

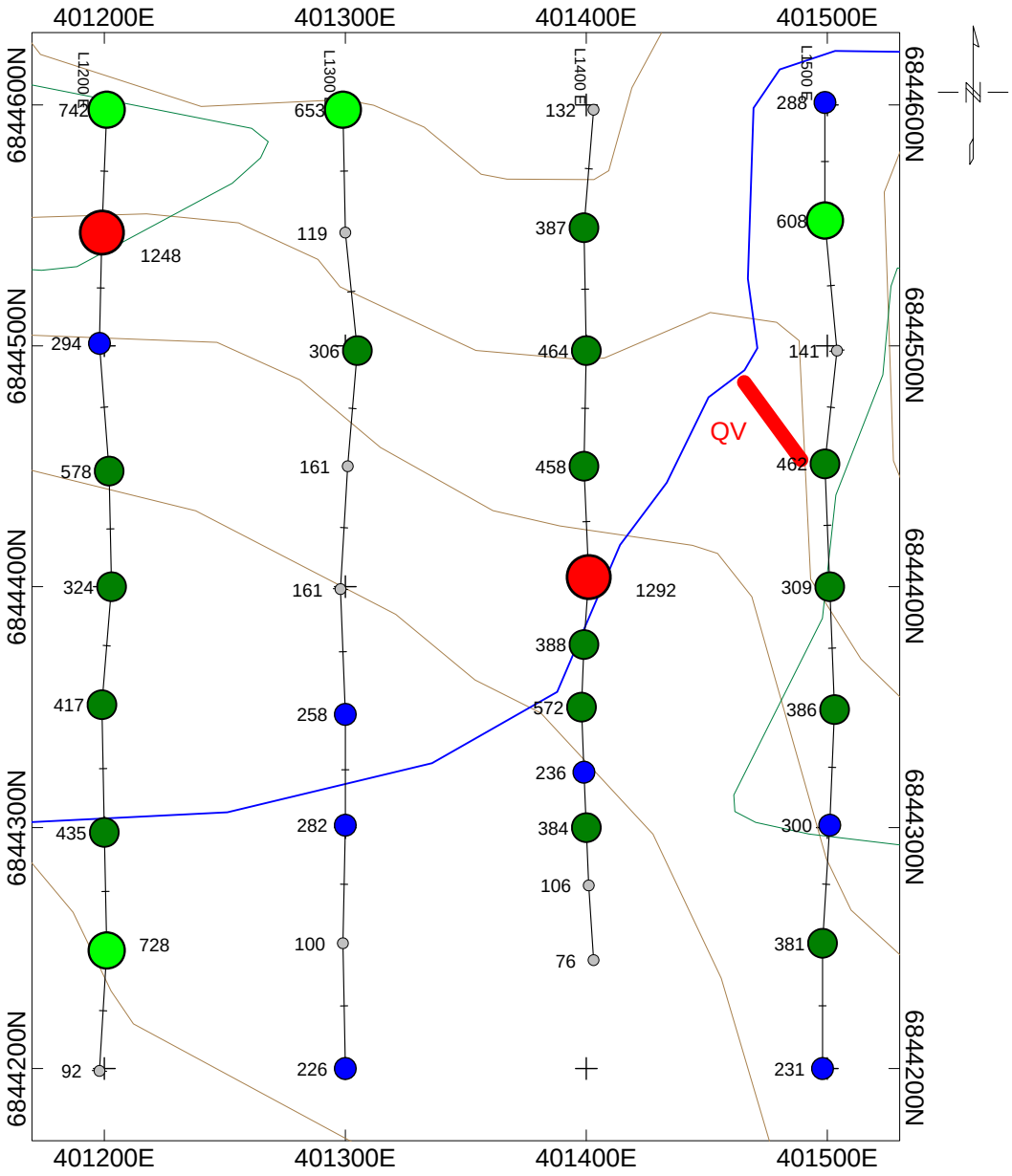
PANARC RESOURCES LTD.

RISBY CREEK PROJECT
Geochemical Survey
Figure 20. Arsenic

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 21 Aug 12

AURORA GEOSCIENCES LTD.



Silver
(ppb)

>	900
600 -	900
300 -	600
200 -	300
<	200

Scale 1:3000

50 0 50

(meters)

NAD83(CSRS98) / UTM zone 9N

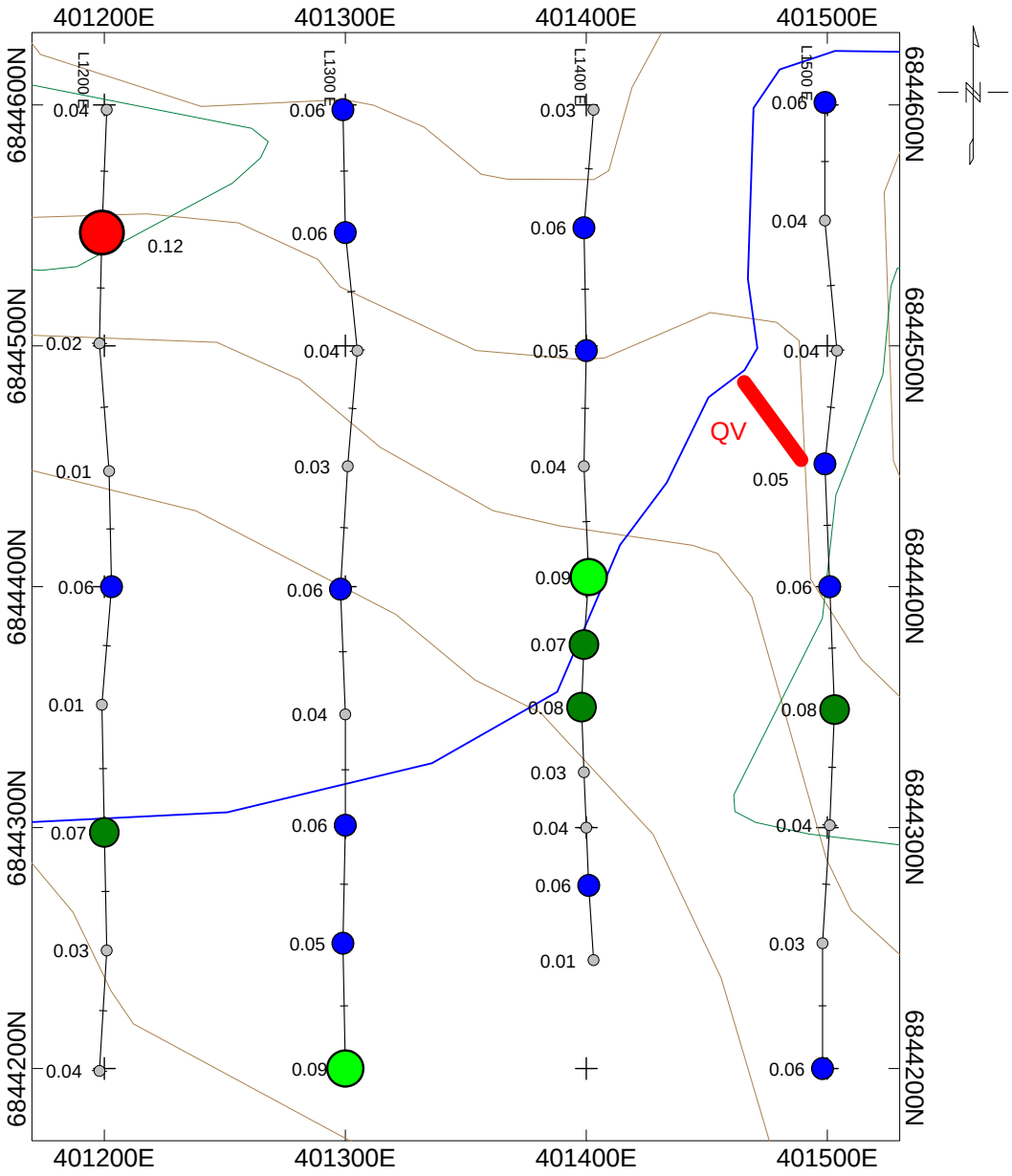
PANARC RESOURCES LTD.

RISBY CREEK PROJECT
Geochemical Survey
Figure 21. Silver

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 21 Aug 12

AURORA GEOSCIENCES LTD.



Tellurium
(ppm)

>	0.1
0.08 -	0.1
0.06 -	0.08
0.045 -	0.06
<	0.045

Scale 1:3000

50 0 50

(meters)

NAD83(CSRS98) / UTM zone 9N

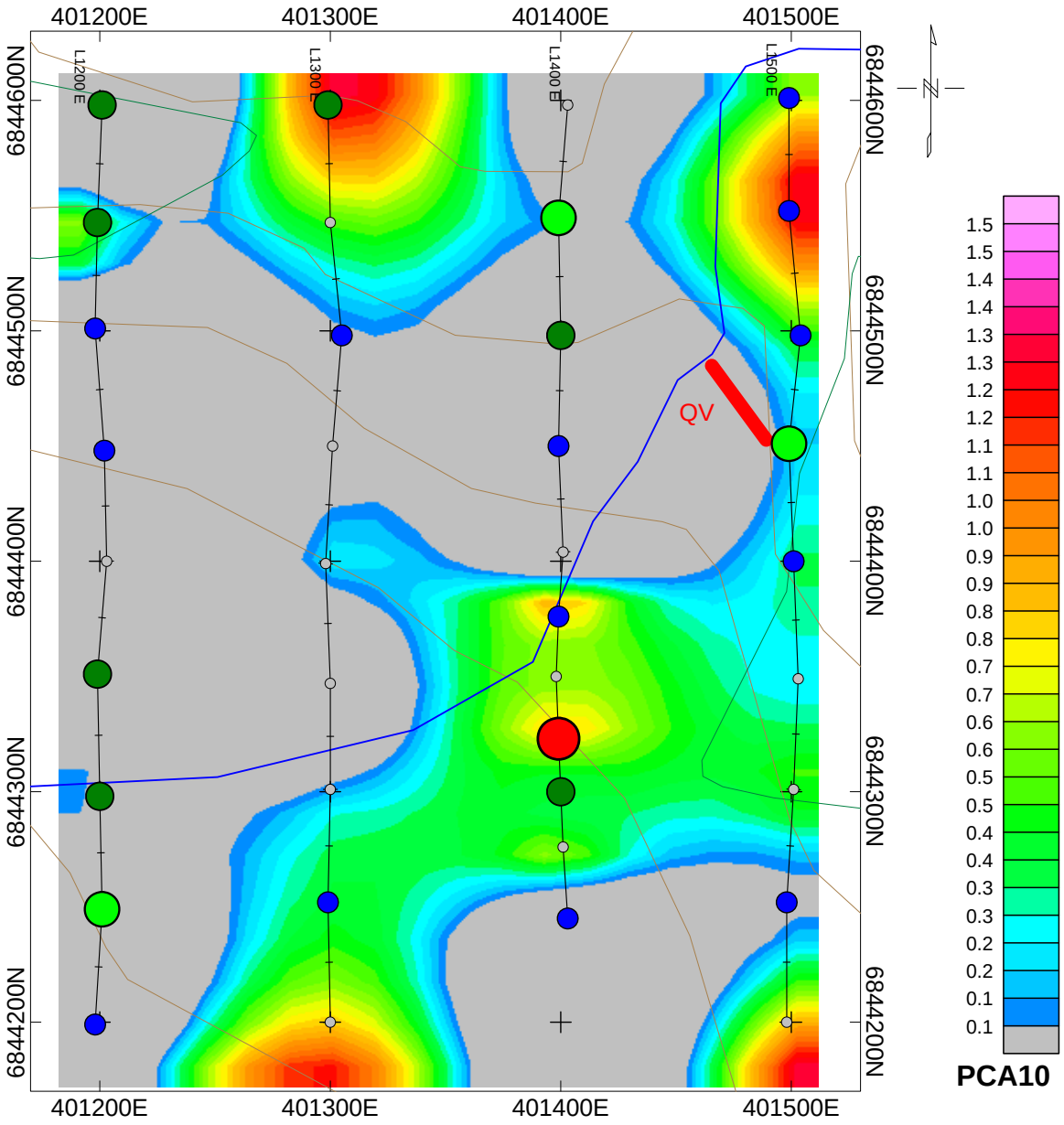
PANARC RESOURCES LTD.

RISBY CREEK PROJECT
Geochemical Survey
Figure 22. Tellurium

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 21 Aug 12

AURORA GEOSCIENCES LTD.



Gold
(ppb)

>	20
10 -	20
5 -	10
3 -	5
<	3

Scale 1:3000

50 0 50

(meters)

NAD83(CSRS98) / UTM zone 9N

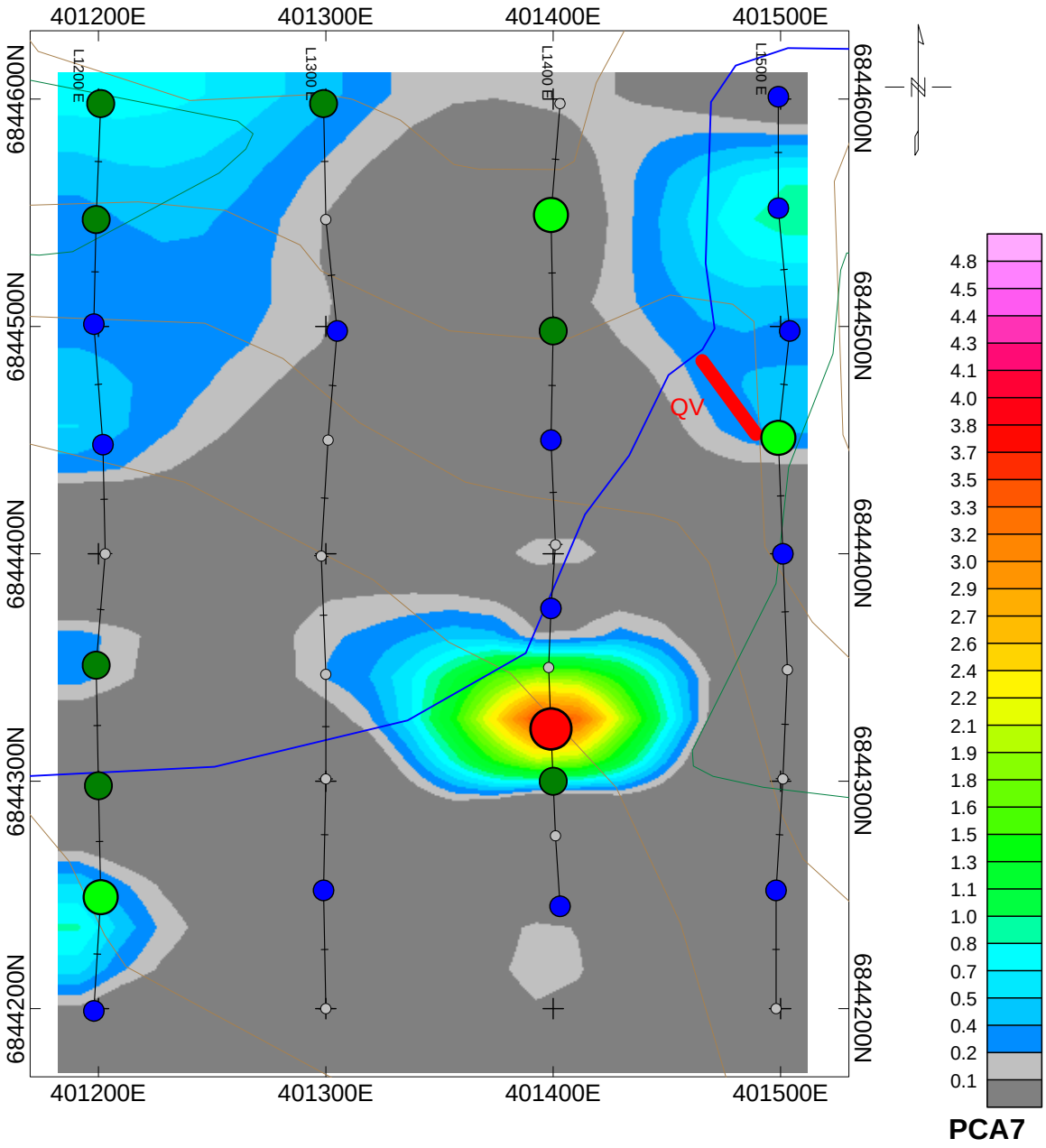
PANARC RESOURCES LTD.

RISBY CREEK PROJECT
Geochemical Survey
Figure 23. PCA10

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 21 Aug 12

AURORA GEOSCIENCES LTD.



Gold
(ppb)

>	20
10 -	20
5 -	10
3 -	5
<	3

Scale 1:3000

50 0 50

(meters)

NAD83(CSRS98) / UTM zone 9N

PANARC RESOURCES LTD.

RISBY CREEK PROJECT
Geochemical Survey
Figure 24. PCA7

NTS: 105G 10
Datum: NAD83
Job: PRL-12536-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 21 Aug 12

AURORA GEOSCIENCES LTD.

V	24.000	89.000	31.000	36.000	38.750	36.395	10.028
W	0.050	0.200	0.050	0.100	0.100	0.095	0.051
Zn	58.700	188.600	77.050	97.450	113.825	102.516	30.991

Gold in soils is highest on the east side of Risby Creek. The highest gold in soil value (84.2ppb) is quite close to Risby Creek and may be transported. Arsenic results are similar to the overall gold results except there is a high value in the northwest corner of the soil grid. Silver values are quite high over all of the grid (mean 316 ppb) and include two samples over 1 g/t. Silver values tend to be higher in the northwest corner of the grid, the one high value in Risby Creek excepted.

Principal component analysis (PCA) was performed on the data set using XLSTAT™ to derive the first 37 principal components in the data set. Factors 7 and 10 have strong positive correlations with gold. Gold accounts for 65% and 6% respectively of the total factor response. The contributions of the elements to these two are listed in the table below:

Table 7. Percent factor contributions

Element	*F7*	*F10*
Ag	1.634	5.048
Al	0.000	1.524
As	1.646	3.995
Au	64.530	6.025
B	0.283	8.252
Ba	0.642	1.624
Bi	0.056	4.090
Ca	0.020	5.867
Cd	1.243	0.284
Co	0.009	0.009
Cr	0.001	0.210
Cu	0.110	0.692
Fe	0.026	0.899
Ga	0.167	0.007
Hg	0.882	0.011
K	5.371	4.818
La	0.527	0.126
Mg	0.001	0.148
Mn	8.297	7.013
Mo	0.184	1.573
Na	1.994	1.265
Ni	0.167	0.157
P	0.416	0.056
Pb	1.029	1.422

S	0.144	2.495
Sb	0.996	4.268
Sc	0.012	0.000
Se	0.882	1.572
Sr	0.099	2.363
Te	4.769	27.193
Th	0.000	2.690
Ti	2.461	0.026
Tl	0.652	2.700
U	0.317	0.001
V	0.255	0.068
W	0.116	0.060
Zn	0.065	1.449

It is clear from the PCA that there is a correlation between gold and Te, B, Mn, B, Bi, As and Ag in PCA10 and between gold and Mn, Ti, Na, Cd, As and Ag in PCA07. Factor 10 (Figure 23) has a distribution dominated by a southwest trending band on the east side of Risby Creek, in the general area where bedrock mineralization has been exposed. The response for Factor 7 is strongly influenced by the single high gold value in Risby Creek which may itself be transported. Of the two factors, Factor 10 appears to correlate best with the known geology and suggests that there may be a band of permissive rocks with elevated gold content on the east side of Risby Creek.

10 INTERPRETATION AND CONCLUSIONS

The results of the exploration work conducted on the Risby Creek Property to date indicate that the property is underlain by deformed metasediments hosting gold in stratabound quartz veins or silicified limestone. A single exposure of this material in TR12-2 suggests that either bedding-parallel quartz veins, a quartzite or silicified limestone bed may be the source of the mineralization found to date. This mineralization consists of gold in quartz with arsenopyrite, pyrite and limonite. Apparent thicknesses are in the order of 1 m and grades are in the range of 1-2 g/t Au in mineralized rock. If the mineralized horizon is a stratabound altered limestone or mineralized quartzite unit, there is the possibility that a considerable quantity of mineralized rock might be present. The boulder train in Risby Creek extends for 200 m downstream for the area of TR12-1, suggesting that the source may be of substantial extent.

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

1. An extensive train of auriferous quartz boulders extending for at least 200 m occurs in Risby Creek. Gold grades in this material are up to 4.88 g/t Au with a significant number of samples returning values from 1-2 g/t Au.

2. Gold is associated with quartz and

3. Gold is universally associated with pyrite. Gold is often associated with elevated arsenic but the highest gold grades to date have come from samples with little arsenic. Sulphide concentrations are generally less than 10% in mineralized rock.

4. To date, the only source of the auriferous float boulders located in bedrock occurs on the east side of an inferred fault in Risby Creek. The mineralized rock in trench TR12-1 appears to be a stratabound quartz vein or highly altered (silicified) quartzite or limestone. The known extent of this source (Unit QV) is much smaller than the boulder train and it appears unlikely that this is the source for the majority of the float mineralization found in the creek.

5. Gold in soil response is not strong in the area with peak values less than 100 ppb Au. Principal component analysis yields a gold-dominated factor with associated Ag, As, Na, Mn, Ti and Cd responses. This factor appears to correlate with the known geology insofar as it indicates a prospective area for bedrock gold mineralization east of Risby Creek in the area of the bedrock exposure.

11 RECOMMENDATIONS

The conclusions of this report support the following recommendations:

1. Infill lines soil geochemical survey lines should be run at 50 m intervals between L1300E and L1500E. Soil samples should be collected at 25 m intervals along these lines and infill stations at 25 m intervals should be sampled on L1300E, L1400E and L1500E.

2. The soil geochemical survey grid should be extended 600 m to the east and 400 m to the west, collecting samples on 100 m spaced lines at 50 m. Second pass infill sampling should be conducted at 25 m in areas where anomalous responses are detected in a first pass.

3. Additional hand and blast trenching should be conducted along the strike of Unit QV to determine its full extent and tenor.

4. Hand and blast trenching or shallow (Packsack) diamond drilling should be conducted to test bedrock beneath the likely sources of any new soil anomalies detected.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

M.A. Power, M.Sc., P.Geo.
Geologist

12 REFERENCES

Gordey, S.P. and A.J. Makepiece. 2000. Yukon Digital Geology. Geological Survey of Canada Open File 3826.

Murphy, D.C., M. Colpron, S.P. Gordey, C.F. Roots, G. Abbott, and P.S. Lipovsky. 2001. Prelimnary Bedrock Geological Map of Northern Finalsy Lake Area (NTS 105G). Yukon Geological Survey Open File 2001-33.

Schultz, C. 2009. Geological Mapping and Rock Geochemical Sampling on the "Risby Creek" Project. AR095163: Unpublished assessment report submitted to the Watson Lake Mining Recorder

APPENDIX I. STATEMENT OF QUALIFICATIONS

I, Michael Allan Power, M.Sc. P.Geo., P.Geoph., CPG, with business and residence addresses in Whitehorse, Yukon Territory do hereby certify that:

1. I am a graduate of the University of Alberta with a B.Sc. (Honours) degree in Geology obtained in 1986 and a M.Sc. in Geophysics obtained in 1988.

2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (registration number 21131) and a Professional Geophysicist registered by the Northwest Territories Association of Professional Engineers, Geologists and Geophysicists (licensee L942). I am also registered as a Professional Geologist with the American Association of Professional Geologists (registration number 11183).

3. I have been employed in mineral exploration as a geophysicist and geologist since 1988, primarily on projects in the Yukon Territory, Northwest Territories, Nunavut, Alaska and British Columbia.

4. I supervised the work described in this report and wrote this report.

5. I am a Director and Officer of Panarc Resources Ltd. which has entered into an agreement with 7606 Yukon Ltd. to option the Risby Creek Property.

Dated this 25th day of August, 2012 in Whitehorse, Yukon.

Respectfully Submitted,
Michael A. Power M.Sc. P. Geo.

APPENDIX II. PROJECT LOG

AURORA GEOSCIENCES

Job PRL-12563-YT Risby Creek
PROJECT LOG

Thu 31 May 2012	Began packing gear at 0830. MP and TK left Whitehorse at 1030. Arrived at camp site around 1730 after a stop in Faro. Set up camp and to bed by 2230.
Fri 01 Jun 2012	Up at 0500 hrs. Safety meeting at 0700 hrs. Left camp for work at 0800 hrs and finished at 1800 hrs. MP mapped and sampled around the south showing (6 samples). TK soil sampled, putting in L1400E and L1300E (32 samples).
Sat 02 Jun 2012	Up at 0500 hrs. Safety meeting at 0700 hrs. Left camp for work at 0730 hrs and finished at 1800 hrs. MP mapped and sampled around the north showing (2 samples). TK put in L1200E and L1500E (20 samples). NM arrived at about 1700 hrs. He inadvertently put gas in the diesel (Blackie) truck. Will not start; expediter notified.
Sun 03 Jun 2012	Up at 0500 hrs. Safety meeting at 0715 hrs. Left camp for work at 0800 hrs and finished at 1800 hrs. Crew moved gear to TR12-1 located near the upper showing. MP stayed with them until the first blast was ready and then left to do geology and stream sediment sampling (3); also acted as sentry on the road. TK and NM drilled and blasted 3 times to clear the trench.
Mon 04 Jun 2012	Up at 0500 hrs. Safety meeting at 0715 hrs. Left camp for work at 0800 hrs and finished at 1830 hrs. TK and NM trenched T-12-2 and blasted near RC26 (geology station). MP logged T-12-1, mapped and sampled.
Tue 05 Jun 2012	Up at 0500 hrs. Safety meeting at 0700 hrs. MP went to sample T-12-1 and R26 at 0730 hrs. TK and NM tore down camp. MP and TK left in blue Chev at 1100 hrs for Whitehorse. NM stayed behind to meet Warren Kapaniuk coming in from Whitehorse to fix Black truck. Drained the tank, refilled and both trucks returned to town by 2300 hrs.

PERSONNEL

Mike Power Crew Chief / Geologist 1 Bates Crescent Whitehorse YT Y1A 4T8	Thomacz Kalkowski Geologist / blaster 34A Laberge Road Whitehorse, YT Y1A 5Y9	Neil McKinnon Field Assistant 34A Laberge Road Whitehorse, YT Y1A 5Y9

APPENDIX III. STATEMENT OF EXPENDITURES

Preparation, mobilization, demobilization		
Equipment preparation & return	$650.00	
Base maps, GIS: 5.5 hrs @ $75	$412.50	
Total - Prep, mobe / demobe	*$1,062.50*	$1,062.50
Geology, geochemical surveys & blast trenching		
Geologist: M.Power (Crew chief) 6 days @ $600	$3,600.00	
Geologist: T. Kalkowski (Junior) 6 days @ $500	$3,000.00	
Labour: N. McKinnon (Blasters helper) 4 days @ $375	$1,500.00	
Blasting equipment (drill, mags, etc.): 6 days @ $ 60	$360.00	
Radios, GPS, field office: 6 days @ $50	$300.00	
Field computer / software: 6 days @ $75	$450.00	
Camp: 6 days @ $120	$4,320.00	
Geology crew truck: 6 days @ $150	$900.00	
Explosives transport truck: 4 days @ $150	$600.00	
Total - Exploration services	*$15,030.00*	$15,030.00
Expenses		
Assays: 20 rock samples @ $36	$720.00	
Assays: 42 soils / stream seds @ $30	$1,260.00	
Explosives: Geldyne, B-Line & caps w/handling charges	$1,351.00	
Groceries:	$651.60	
Gas:	$819.29	
Meals en-route:	$13.01	
Total - Expenses	*$4,814.90*	$4,814.90
Report		
Project report	*$2,500.00*	$2,500.00
Total Project Expenditures:		***$23,407.40***

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

Michael A. Power, M.Sc., P.Geo.

APPENDIX IV. GEOLOGICAL DATA

Declination used: 26 E

Location (NAD83 Zone 9N)				Recording info		Unit	Folia		
No.	UTME	UTMN	Z	Mapper	Date		S0		S
							S	D	S
RC01	401394	6844390	1008	MP	1-Jun-12		322	15	
RC02	401398	6844408	1019	MP	1-Jun-12		300	19	
RC03	401404	6844376	1016	MP	1-Jun-12		276	16	
RC04	401378	6844371	997	MP	1-Jun-12		285	10	
RC05	401375	6844364	997	MP	1-Jun-12				
RC06	401399	6844365	983	MP	1-Jun-12				

Declination used: 26 E

Location (NAD83 Zone 9N)				Recording info		Unit	Folia		
No.	UTME	UTMN	Z	Mapper	Date		S0		S
							S	D	S
RC07	401390	6844348	990	MP	2-Jun-12		260	15	
RC08	401400	6844356	978	MP	2-Jun-12				
RC09	401401	6844368	986	MP	2-Jun-12				
RC10	401414	6844381	1013	MP	2-Jun-12				240
RC11	401437	6844418	1020	MP	2-Jun-12				
RC12	401410	6844432	999	MP	2-Jun-12				190
RC13	401417	6844461	1013	MP	2-Jun-12		240	20	251
RC14	401431	6844482	1010	MP	2-Jun-12		258	22	250
RC15	401474	6844487	1039	MP	2-Jun-12		144	24	
RC16	401471	6844506	1039	MP	2-Jun-12				
RC17	401452	6844491	1031	MP	2-Jun-12				
RC18	401443	6844482	1024	MP	2-Jun-12				
RC19	401463	6844481	1023	MP	2-Jun-12				
RC20	401480	6844460	1037	MP	2-Jun-12				
RC21	401433	6844368	1092	MP	2-Jun-12		238	12	

Declination used: 26 E

Location (NAD83 Zone 9N)				Recording info		Unit	Folia		
No.	UTME	UTMN	Z	Mapper	Date		S0		S
							S	D	S
RC22	401398	6844417	1016	MP	2-Jun-12		287	14	
RC23	400172	6844522	945	MP	3-Jun-12				
RC24	400954	6844194	934	MP	3-Jun-12				
RC25	401446	6844445	1008	MP	4-Jun-12	GA			
RC26	401368	6844313	983	MP	4-Jun-12	BF			

PRL-12536-YT Risby Creek - Geological data

All planar data entered using the right hand rule. Avera
in structure

	ıtion			Veins						Linea		
No.	1	Axial planes		V1		V2		V3		Fold Axes		L
	D	S	D	S	D	S	D	S	D	T	P	T
RC01												
RC02												
RC03												
RC04				302	70					0	5	
RC05												
RC06												

PRL-12536-YT Risby Creek - Geological data

All planar data entered using the right hand rule. Avera
in structure

	ıtion			Veins						Linea		
No.	1	Axial planes		V1		V2		V3		Fold Axes		L
	D	S	D	S	D	S	D	S	D	T	P	T
RC07		309	55							327	14	
RC08		10	86							8	8	
RC09												
RC10	18											
RC11												
RC12	26											
RC13	20									274	20	
RC14	26											
RC15												
RC16												
RC17												
RC18												
RC19												
RC20												
RC21												

PRL-12536-YT Risby Creek - Geological data

All planar data entered using the right hand rule. Avera
in structure

	ıtion			Veins						Linea		
No.	1	Axial planes		V1		V2		V3		Fold Axes		L
	D	S	D	S	D	S	D	S	D	T	P	T
RC22												
RC23												
RC24												
RC25												
RC26												

ge station values entered in this sheet; all data

No.	ation			Sulphides				Altn
	2	L3		Py	Gn	Sph	Other	
	P	T	P	%	%	%	%	
RC01								
RC02								
RC03								
RC04								
RC05								
RC06								

ge station values entered in this sheet; all data

	ation			Sulphides				Altn
No.	2	L3		Py	Gn	Sph	Other	
	P	T	P	%	%	%	%	
RC07								
RC08								
RC09								
RC10								
RC11								
RC12								
RC13								
RC14								
RC15								
RC16								
RC17								
RC18								
RC19								
RC20								
RC21								

ge station values entered in this sheet; all data

No.	ation			Sulphides				Altn
	2	L3		Py	Gn	Sph	Other	
	P	T	P	%	%	%	%	
RC22								
RC23								
RC24								
RC25								
RC26								

No.	Description
RC01	Station at the top of an east facing cliff along the ridge line overlooking Risby Creek to the east. Three units visible from top to bottom: Limestone: medium grey weathering light grey-green. Weathered rock has an irregular etched appearance. Bedding 20-30 cm apart. Rock is a coarse, well sorted grain supported, calcarenite / grainstone. At least 5 m exposed at the top of the section. Phyllite: Shiny medium grey weathering light green-grey and medium grey. Laminated on a sub-mm scale. Chlorite laminae envelope very fine crystalline dark grey quartz layers. Laminae are calcareous; the rock is not. The phyllite is locally crumpled by small scale (2-6 cm) spaced folds. Chert: A thick sequence is exposed at the base of the section. Dark grey weathering medium grey, massive with thin beds up to 5 cm thick composed of very fine (?recrystallized) quartz / chert. Small calcite blebs to several mm and widely spaced 5-10 mm calcite laminae but the rock is dominantly not foliated.
RC02	Limestone: 3 m exposure in the bank face, bedding 20-30 cm apart. Same lithology as RC01
RC03	Chert: 10 m thick cliff exposure likely grading up to phyllite at RC01. Medium green-grey with soapy texture weathering dark grey and locally green -grey on fractures. Bedded at 5 mm to 3 cm. Dark green grey aphanitic chert with re-crystallized
RC04	Chert: at base of 2-3 m exposure of chert and phyllite bedded on a 0.5-1 cm scale. Small low amplitude folds and buckles in the chert beds, both asymmetric and symmetric. May be related to fractures at 190 76 and 184 80 (dominant). Several
RC05	QV: Appears to be a quartz vein or quartz flooded phyllite. Attitude unknown. A trenched section runs from the top of the exposure down hill, exposing 2.0 m. Three samples here
RC06	Interbedded phyllite & limestone: Outcrop in bank adjacent to the creek. Equal thicknesses of limestone and phyllite 20-40 cm thick. Phyllite is light grey-green weathering the same, laminated on a 5-15 mm scale with green chlorite laminea., very calcareous. Limestone is medium grey weathering light brown. Kink and open folds in the phyllite; limestone is little deformed.

No.	Description
RC07	Phyllite & Limestone: Phyllite - medium grey (psammite) to light green grey (argillite) weathering light grey & brown. Top of the section is graphitic argillite black weathering same. Phyllitic layers interbedded with orange brown weathering calcareous sandstone in beds to 8 cm thick consisting of dominantly 1-2 mm rounded quartz. Black graphitic argillite at top of section. Units are folded with a wavelength of 10-15 cm. Very disrupted compared to units above.
RC08	Ourcrop immediately adjacent to Risby Creek (west side). Chert: in massive resistant beds, 5-30 cm thick interbedded with
RC09	Graphitic argillite: black, may not be in place.
RC10	Graphitic phyllite: black weathering rusty orange brown and medium grey. Recessive, thin bedded (1-5 mm), laminated
RC11	Mineralized float boulder (samples G312482 - G312485).
RC12	Phyllite: medium grey - green weathering light grey brown, strongly foliated with5-10 cm thick sparse chert layers at base of section, laminated 2-5 mm.
RC13	Phyllitic chert: medium grey weathering light grey-green, bedded 5-10 mm apart, locally red hematite stain on weathered surfaces. Chert (light green) with chlorite laminate separating beds.
RC14	Phyllitic chert: as per RC13.
RC15	Limestone: medium grey weathering buff-tan, massive, calcareous very fin crystalline cement. Rounded sand (chert?) grains ~1mm well sorted. Limonite blebs. Cut by bedding parallel bull white quartz veins 2-5 cm thick
RC16	Gritty calcareous phyllite in rubble crop
RC17	Black argillite and rusty float
RC18	Rusty float; G312456 -57
RC19	Rusty float: G312451 & 53
RC20	Rusty QV float: G312459
RC21	Outcrop on east side & bordering Risby Creek. Chert & phyllite: dominantly chert in 5-10 cm resistant and massive beds with no or few laminations. Lessert interbedded phyllite. Chert: medium green grey weathering darker grey, cryptocrystalline quartz, slightly calcareous laminae. Phyllite: light green grey weathering light brown grey. laminations ~0.5 mm with sheen on foliation surfaces. No folding present.

No.	Description
RC22	Quartzite: light greenish grey weathering brown, massive bedded to 1 m,
RC23	Road cut - see notes (off property)
RC24	Road cut - see notes (off property)
RC25	Top of 1+ m thick graphitic argillite / phyllite.
RC26	Float boulder: 2 m long x 1 m thick, angular float boulder beside (west) Risby Creek containing a 40-50 cm wide sulphide

APPENDIX V. SAMPLE DESCRIPTIONS

RISBY CREEK
SAMPLE TRACKING SHEET

Type:
G - Grab
S - Standard
C - Chip

Sample #	Sampler	Shipment	Certificate	UTME	UTMN	Type	Description	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe
								GM/T	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%
								0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
K948351	MP	2012-01	WHI12000071	401376	6844360	G	QV from mattock trench top: white weathering buff, massive, coarese crystalline (2-3cm), dominantly white quartz both glassy and opaque. Trace green ?fuschite?.	<0.01	0.3	4.7	2.9	22	<0.1	26.2	3.1	1681	0.59
K948352	MP	2012-01	WHI12000071	401374	6844361	G	QV from mattock trench middle: medium grey and brown weathering dusty white, slabby (3-5 cm thick). Calcareous. Anhedral 1-2mm quartz & calcite; no visible sulphides.	<0.01	0.4	160.4	5.1	47	0.3	32.8	18	4647	1.26
K948353	MP	2012-01	WHI12000071	401373	6844361	G	QV from mattock trench base: thinly laminated green cherty quartz with chlorite selvages / laminations and trace sulphides. Some limonite weathering laminae	<0.01	0.4	26	5.3	32	0.1	37.2	6.8	2090	1.13
K948354	MP	2012-01	WHI12000071	401378	6844370	G	QV float: light to medium grey weathering brown-buff, massive, dominantly 1-2 mm grey quartz with ~3% ?fuschite or malachite. Some open vugs in small coarse crosscutting 2-3 mm quartz veinlets.	<0.01	0.1	4.6	1.9	26	<0.1	33	4.6	3033	0.85
K948355	MP	2012-01	WHI12000071	401371	6844356	G	Calcareous quartzite: sample from either boulder or small knob on the ridge line; blue & orange old sample flags nearby. This is the closest showing to the 'Lower Showing'. Medium to light grey weathering light brown to brown-red with priminent white quartz veins a couple of cm thick cross cutting the rock. Very fine crystalline calcareous quartzite cut by coarse quartz-calcite veins. Limonite stain on laminea but no visible sulphides.	<0.01	<0.1	14	6.5	90	0.1	12.1	8.1	2071	3.26
K948356	MP	2012-01	WHI12000071	401391	6844335	G	Laminated quartz phyllite (float): alternating layers of rusty chlorite and limonite with layers of quartz. Pyrite +/- arsenopyrite in chlorite laminea as very fine (<1 mm) crystals and rare aggregegates. Sulphide content ~7%.	0.03	0.7	15.9	0.5	13	0.2	28.1	0.8	276	5.88
K948357	MP	2012-01	WHI12000071	401400	6844356	G	Phyllite: thinly laminated 1-5mm alternateing very fine crystalline (<0.5 mm) grey quartz and light green-grey chert. Chloritic laminae <0.2 mm thick with lineations parallel to small scale fold axes. ~5% pyrite & trace malachite along partings and laminea.	<0.01	0.5	73	9.6	102	0.7	72.6	19	7915	1.04
K948358	MP	2012-01	WHI12000071	401439	6844508	G	Quartz rich phyllite: bedding parallel, ~20 cm exposure, medium green grey weathering light grey brown, massive, weakly foliated, slighly calcareous, contains ~5% pyrite and trace arsenopyrite, dominantly as fine crystals (<0.5mm) also some blebs, cubes and coarser aggregates to 2 mm.	0.12	0.8	23.9	3.5	15	0.3	15.8	2	513	3.63
K948359	MP	2012-01	WHI12000071	401462	6844489	C	TR-12-1: 0-0.8 m graphitic phyllite	<0.01	0.9	35.2	12.4	58	0.2	20.3	6	758	3.67
K948360	MP	2012-01	WHI12000071	401462	6844489	C	T-12-1: 0.8-1.4 m: graphitic phyllite	<0.01	0.8	23.5	4.9	43	0.2	18.4	4.6	507	4.47
K948361	MP	2012-01	WHI12000071	401462	6844489	C	T-12-1: 1.4-2.5 m: mostly argillite also QV (not a representative sample because sampling down dip?)	<0.01	0.6	16.9	3.3	38	<0.1	17.6	2.3	569	4.76
K948362	MP	2012-01	WHI12000071	401462	6844489	C	T-12-1: 2.5-3.0 m : graphitic argillite	0.01	0.8	22.7	7.5	63	0.2	18	5.5	594	2.69
K948363	MP	2012-01	WHI12000071	401462	6844489	C	T-12-1: 1.4-2.5 m: repeat on left wall	0.05	0.9	24.5	3.6	26	0.2	15.3	2.6	467	4.12
K948364	MP	2012-01	WHI12000071	401368	6844313	G	QV: white with light brown laminae 5-10 mm apart weathering rusty green. Slightly calcareous along laminae. White and grey very fine crystalline quartz with ~5% disseminated pyrite and ~5% disseminated arsenopyrite. A few thin laminae of shear massive pyrite / pyrrhotite? (2 mm thick).	0.03	0.3	30.2	0.8	12	<0.1	11.9	4.4	423	2.19
K948365	MP	2012-01	WHI12000071	401368	6844313	G	QV: as above with more prominent pyritic laminae and less disseminated pyrite and arsenopyrite in the quartz.	0.41	0.3	45.6	2.3	6	0.2	14.8	7.9	256	2.27
K948366	MP	2012-01	WHI12000071	401462	6844489	G	QV: white and brown weathering rusty red brown(limonitic). Quartz is grey glassy and white opaque. Pyrite smeared on laminae 3-8 mm apart. Laminae are irregular, anastomosing. Cubes (1-3 mm) and aggregates of pyrite. Total pyrite ~7%.	0.13	0.8	24	1.1	9	0.2	18.5	1.4	173	6.55
K948367	MP	2012-01	WHI12000071	401462	6844489	G	QV: white weathering brown dominantly very fine crystalline (<1mm), sugary white quartz with limonitic fractures. Pyrite (~5%) largely disseminated as cubes and small aggregates; locally along fractures.	0.87	0.6	12	0.8	6	1.1	13.5	0.9	154	5.84
K948368	MP	2012-01	WHI12000071	401366	6844312	G	CHT & PHY: black chert and phyllite, laminated 4-8 mm, trace of diss pyrite in chert beds	<0.01	0.6	38.9	2.1	17	0.1	55.5	15.1	574	1.61
K948369	MP	2012-01	WHI12000071	401366	6844312	G	CHT: light green-grey weathering light brown grey. Thinly laminated (103mm) dominantly green chert. Trace pyrite on limonitic	<0.01	0.2	47.6	10.7	48	<0.1	59.7	16.4	2653	1.35
K948370	MP	2012-01	WHI12000071	401366	6844312	G	PHY CHT: green grey weathering black, rusty orange and brown. Thinly (1-3mm) and irregularly laminated, dominantly chert with	<0.01	0.1	71.1	18.3	53	<0.1	42.1	13.7	1640	1.74

Sample #	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM
	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	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
K948351	1.2	2.5	0.3	291	0.2	0.5	<0.1	13	7.76	0.049	3	20	4.92	806	0.002	<20	0.1	0.012	0.03	0.1	0.05	1	<0.1	<0.05	<1	<0.5	<0.2
K948352	49.1	3.2	1.3	392	1	76.4	<0.1	34	4.21	0.1	9	29	1.66	1157	0.002	<20	0.25	0.006	0.14	<0.1	0.69	3.8	<0.1	0.08	<1	<0.5	<0.2
K948353	8.9	3.5	2	136	0.2	2.9	<0.1	8	1.97	0.037	8	13	0.61	4012	0.001	<20	0.35	0.006	0.17	<0.1	0.17	2.8	<0.1	0.11	2	<0.5	<0.2
K948354	3.4	<0.5	0.7	437	0.2	1.6	<0.1	21	10.99	0.079	6	33	7.72	3485	0.002	<20	0.1	0.009	0.07	<0.1	0.06	1.8	<0.1	0.11	<1	<0.5	<0.2
K948355	4.8	1.2	0.4	171	0.8	0.6	<0.1	18	14.5	0.024	3	4	7.44	80	<0.001	<20	0.1	0.017	0.05	<0.1	0.17	4.5	<0.1	<0.05	<1	<0.5	<0.2
K948356	98.7	18.4	<0.1	9	<0.1	0.5	<0.1	9	0.2	0.008	<1	21	0.12	19	<0.001	<20	0.08	0.002	<0.01	<0.1	0.02	0.5	<0.1	0.74	<1	1.8	<0.2
K948357	46.5	6.5	0.6	165	1.6	3.4	<0.1	32	3.37	0.165	5	14	1.52	624	0.005	<20	0.32	0.006	0.13	0.1	0.14	1.7	<0.1	0.16	1	2.2	<0.2
K948358	46.4	75.5	0.1	87	<0.1	0.8	<0.1	17	1.48	0.009	1	31	0.33	38	<0.001	<20	0.27	0.002	<0.01	<0.1	<0.01	0.7	<0.1	1.82	<1	3.3	<0.2
K948359	8.9	1.4	2.3	109	0.2	0.3	<0.1	29	2.91	0.029	7	11	0.75	223	0.002	<20	1.29	0.01	0.12	<0.1	0.03	2.9	<0.1	0.05	3	<0.5	<0.2
K948360	8.1	2.2	1.8	39	<0.1	0.4	<0.1	18	1.32	0.026	5	12	0.62	142	0.001	<20	1.05	0.006	0.11	<0.1	0.02	2	<0.1	0.22	3	1.1	<0.2
K948361	4	1.2	0.7	38	<0.1	0.6	<0.1	26	0.6	0.012	3	7	0.69	51	0.002	<20	1.1	0.004	0.04	<0.1	<0.01	1.8	<0.1	0.32	3	1.3	<0.2
K948362	9.6	3.9	2.4	94	0.7	0.6	<0.1	18	4.44	0.045	8	11	0.53	206	0.002	<20	0.98	0.008	0.13	<0.1	0.05	2.5	<0.1	0.07	2	<0.5	<0.2
K948363	6.5	4.7	0.8	27	<0.1	1	<0.1	16	0.89	0.013	2	7	0.33	84	0.001	<20	0.56	0.004	0.05	<0.1	0.02	1.1	<0.1	0.84	2	2.2	<0.2
K948364	<0.5	16.9	0.2	32	<0.1	<0.1	<0.1	50	0.44	0.002	1	10	0.16	21	0.002	<20	0.29	<0.001	0.01	<0.1	<0.01	0.7	<0.1	0.82	<1	3.9	<0.2
K948365	<0.5	374.3	0.1	31	<0.1	0.2	<0.1	46	0.49	0.007	<1	27	0.08	56	0.001	<20	0.16	<0.001	0.02	<0.1	<0.01	0.4	<0.1	1.28	<1	4	<0.2
K948366	30.6	118.2	<0.1	3	<0.1	1.6	<0.1	4	0.05	0.009	<1	6	0.04	4	<0.001	<20	0.09	0.001	<0.01	<0.1	0.05	0.4	<0.1	1.98	<1	5.9	<0.2
K948367	5.7	2075.5	<0.1	2	<0.1	1.6	<0.1	<2	0.03	0.009	<1	18	0.06	3	<0.001	<20	0.03	0.001	<0.01	<0.1	0.08	0.1	<0.1	0.89	<1	2.7	<0.2
K948368	48.6	4	1.2	227	0.1	0.5	<0.1	13	6.27	0.102	10	58	0.56	106	0.002	<20	0.73	0.004	0.11	<0.1	0.02	2.2	<0.1	0.1	2	0.6	<0.2
K948369	2.1	3.6	3.5	126	<0.1	0.2	<0.1	7	0.81	0.05	13	11	0.51	958	0.01	<20	0.83	0.004	0.24	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
K948370	1.5	3	4.1	43	<0.1	0.6	0.3	7	0.25	0.055	14	9	0.44	1309	0.011	<20	0.81	0.007	0.23	<0.1	0.03	1.7	<0.1	0.18	3	<0.5	<0.2

APPENDIX VI. 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 06, 2012
Report Date: June 18, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI12000071.1

CLIENT JOB INFORMATION

Project: Risby
Shipment ID: RC-2012-01
P.O. Number
Number of Samples: 20

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	20	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G6	20	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	20	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
Mike Power

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

Project: Risby
Report Date: June 18, 2012

CERTIFICATE OF ANALYSIS WHI12000071.1

	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
K948351	Rock	0.62	<0.01	0.3	4.7	2.9	22	<0.1	26.2	3.1	1681	0.59	1.2	2.5	0.3	291	0.2	0.5	<0.1	13	7.76
K948352	Rock	1.04	<0.01	0.4	160.4	5.1	47	0.3	32.8	18.0	4647	1.26	49.1	3.2	1.3	392	1.0	76.4	<0.1	34	4.21
K948353	Rock	1.17	<0.01	0.4	26.0	5.3	32	0.1	37.2	6.8	2090	1.13	8.9	3.5	2.0	136	0.2	2.9	<0.1	8	1.97
K948354	Rock	0.77	<0.01	0.1	4.6	1.9	26	<0.1	33.0	4.6	3033	0.85	3.4	<0.5	0.7	437	0.2	1.6	<0.1	21	10.99
K948355	Rock	1.41	<0.01	<0.1	14.0	6.5	90	0.1	12.1	8.1	2071	3.26	4.8	1.2	0.4	171	0.8	0.6	<0.1	18	14.50
K948356	Rock	1.38	0.03	0.7	15.9	0.5	13	0.2	28.1	0.8	276	5.88	98.7	18.4	<0.1	9	<0.1	0.5	<0.1	9	0.20
K948357	Rock	0.67	<0.01	0.5	73.0	9.6	102	0.7	72.6	19.0	7915	1.04	46.5	6.5	0.6	165	1.6	3.4	<0.1	32	3.37
K948358	Rock	1.89	0.12	0.8	23.9	3.5	15	0.3	15.8	2.0	513	3.63	46.4	75.5	0.1	87	<0.1	0.8	<0.1	17	1.48
K948359	Rock	1.57	<0.01	0.9	35.2	12.4	58	0.2	20.3	6.0	758	3.67	8.9	1.4	2.3	109	0.2	0.3	<0.1	29	2.91
K948360	Rock	0.89	<0.01	0.8	23.5	4.9	43	0.2	18.4	4.6	507	4.47	8.1	2.2	1.8	39	<0.1	0.4	<0.1	18	1.32
K948361	Rock	3.43	<0.01	0.6	16.9	3.3	38	<0.1	17.6	2.3	569	4.76	4.0	1.2	0.7	38	<0.1	0.6	<0.1	26	0.60
K948362	Rock	0.84	0.01	0.8	22.7	7.5	63	0.2	18.0	5.5	594	2.69	9.6	3.9	2.4	94	0.7	0.6	<0.1	18	4.44
K948363	Rock	3.53	0.05	0.9	24.5	3.6	26	0.2	15.3	2.6	467	4.12	6.5	4.7	0.8	27	<0.1	1.0	<0.1	16	0.89
K948364	Rock	0.64	0.03	0.3	30.2	0.8	12	<0.1	11.9	4.4	423	2.19	<0.5	16.9	0.2	32	<0.1	<0.1	<0.1	50	0.44
K948365	Rock	1.04	0.41	0.3	45.6	2.3	6	0.2	14.8	7.9	256	2.27	<0.5	374.3	0.1	31	<0.1	0.2	<0.1	46	0.49
K948366	Rock	0.92	0.13	0.8	24.0	1.1	9	0.2	18.5	1.4	173	6.55	30.6	118.2	<0.1	3	<0.1	1.6	<0.1	4	0.05
K948367	Rock	0.54	0.87	0.6	12.0	0.8	6	1.1	13.5	0.9	154	5.84	5.7	2075	<0.1	2	<0.1	1.6	<0.1	<2	0.03
K948368	Rock	1.43	<0.01	0.6	38.9	2.1	17	0.1	55.5	15.1	574	1.61	48.6	4.0	1.2	227	0.1	0.5	<0.1	13	6.27
K948369	Rock	1.06	<0.01	0.2	47.6	10.7	48	<0.1	59.7	16.4	2653	1.35	2.1	3.6	3.5	126	<0.1	0.2	<0.1	7	0.81
K948370	Rock	0.99	<0.01	0.1	71.1	18.3	53	<0.1	42.1	13.7	1640	1.74	1.5	3.0	4.1	43	<0.1	0.6	0.3	7	0.25

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Project: Risby
Report Date: June 18, 2012

CERTIFICATE OF ANALYSIS WHI12000071.1

	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
K948351	Rock	0.049	3	20	4.92	806	0.002	<20	0.10	0.012	0.03	0.1	0.05	1.0	<0.1	<0.05	<1	<0.5	<0.2
K948352	Rock	0.100	9	29	1.66	1157	0.002	<20	0.25	0.006	0.14	<0.1	0.69	3.8	<0.1	0.08	<1	<0.5	<0.2
K948353	Rock	0.037	8	13	0.61	4012	0.001	<20	0.35	0.006	0.17	<0.1	0.17	2.8	<0.1	0.11	2	<0.5	<0.2
K948354	Rock	0.079	6	33	7.72	3485	0.002	<20	0.10	0.009	0.07	<0.1	0.06	1.8	<0.1	0.11	<1	<0.5	<0.2
K948355	Rock	0.024	3	4	7.44	80	<0.001	<20	0.10	0.017	0.05	<0.1	0.17	4.5	<0.1	<0.05	<1	<0.5	<0.2
K948356	Rock	0.008	<1	21	0.12	19	<0.001	<20	0.08	0.002	<0.01	<0.1	0.02	0.5	<0.1	0.74	<1	1.8	<0.2
K948357	Rock	0.165	5	14	1.52	624	0.005	<20	0.32	0.006	0.13	0.1	0.14	1.7	<0.1	0.16	1	2.2	<0.2
K948358	Rock	0.009	1	31	0.33	38	<0.001	<20	0.27	0.002	<0.01	<0.1	<0.01	0.7	<0.1	1.82	<1	3.3	<0.2
K948359	Rock	0.029	7	11	0.75	223	0.002	<20	1.29	0.010	0.12	<0.1	0.03	2.9	<0.1	0.05	3	<0.5	<0.2
K948360	Rock	0.026	5	12	0.62	142	0.001	<20	1.05	0.006	0.11	<0.1	0.02	2.0	<0.1	0.22	3	1.1	<0.2
K948361	Rock	0.012	3	7	0.69	51	0.002	<20	1.10	0.004	0.04	<0.1	<0.01	1.8	<0.1	0.32	3	1.3	<0.2
K948362	Rock	0.045	8	11	0.53	206	0.002	<20	0.98	0.008	0.13	<0.1	0.05	2.5	<0.1	0.07	2	<0.5	<0.2
K948363	Rock	0.013	2	7	0.33	84	0.001	<20	0.56	0.004	0.05	<0.1	0.02	1.1	<0.1	0.84	2	2.2	<0.2
K948364	Rock	0.002	1	10	0.16	21	0.002	<20	0.29	<0.001	0.01	<0.1	<0.01	0.7	<0.1	0.82	<1	3.9	<0.2
K948365	Rock	0.007	<1	27	0.08	56	0.001	<20	0.16	<0.001	0.02	<0.1	<0.01	0.4	<0.1	1.28	<1	4.0	<0.2
K948366	Rock	0.009	<1	6	0.04	4	<0.001	<20	0.09	0.001	<0.01	<0.1	0.05	0.4	<0.1	1.98	<1	5.9	<0.2
K948367	Rock	0.009	<1	18	0.06	3	<0.001	<20	0.03	0.001	<0.01	<0.1	0.08	0.1	<0.1	0.89	<1	2.7	<0.2
K948368	Rock	0.102	10	58	0.56	106	0.002	<20	0.73	0.004	0.11	<0.1	0.02	2.2	<0.1	0.10	2	0.6	<0.2
K948369	Rock	0.050	13	11	0.51	958	0.010	<20	0.83	0.004	0.24	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
K948370	Rock	0.055	14	9	0.44	1309	0.011	<20	0.81	0.007	0.23	<0.1	0.03	1.7	<0.1	0.18	3	<0.5	<0.2

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

Project: Risby
Report Date: June 18, 2012

QUALITY CONTROL REPORT WHI12000071.1

	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																					
K948362	Rock	0.84	0.01	0.8	22.7	7.5	63	0.2	18.0	5.5	594	2.69	9.6	3.9	2.4	94	0.7	0.6	<0.1	18	4.44
REP K948362	QC			0.9	27.7	7.7	63	0.2	18.4	5.3	557	2.63	9.6	4.1	2.4	90	0.7	0.7	<0.1	17	4.13
Core Reject Duplicates																					
K948361	Rock	3.43	<0.01	0.6	16.9	3.3	38	<0.1	17.6	2.3	569	4.76	4.0	1.2	0.7	38	<0.1	0.6	<0.1	26	0.60
DUP K948361	QC		0.02	0.6	16.5	3.3	39	<0.1	17.4	2.1	565	4.72	4.0	2.1	0.6	37	<0.1	0.5	<0.1	25	0.59
Reference Materials																					
STD DS9	Standard			13.0	103.6	121.3	309	1.8	40.4	7.4	577	2.31	24.5	105.0	5.9	75	2.0	4.4	6.1	40	0.72
STD OREAS45CA	Standard			1.0	502.7	20.2	56	0.3	248.0	93.1	905	16.15	3.3	41.3	6.8	13	<0.1	0.1	<0.1	209	0.42
STD OXG99	Standard		0.94																		
STD OXK94	Standard		3.65																		
STD OXK94 Expected			3.562																		
STD OXG99 Expected			0.932																		
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		<0.01																		
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	<0.1	2.7	3.4	48	<0.1	2.1	3.9	564	1.97	1.4	<0.5	6.0	75	<0.1	<0.1	<0.1	39	0.55
G1-WHI	Prep Blank		<0.01	0.2	2.6	3.3	49	<0.1	2.5	4.1	621	2.05	<0.5	5.1	6.1	78	<0.1	<0.1	<0.1	41	0.60

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

Project: Risby
Report Date: June 18, 2012

QUALITY CONTROL REPORT WHI12000071.1

	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																			
K948362	Rock	0.045	8	11	0.53	206	0.002	<20	0.98	0.008	0.13	<0.1	0.05	2.5	<0.1	0.07	2	<0.5	<0.2
REP K948362	QC	0.043	8	11	0.52	206	0.002	<20	0.91	0.008	0.13	<0.1	0.07	2.5	<0.1	0.06	2	0.5	<0.2
Core Reject Duplicates																			
K948361	Rock	0.012	3	7	0.69	51	0.002	<20	1.10	0.004	0.04	<0.1	<0.01	1.8	<0.1	0.32	3	1.3	<0.2
DUP K948361	QC	0.010	2	8	0.68	48	0.002	<20	1.09	0.003	0.03	<0.1	0.01	2.0	<0.1	0.31	3	1.1	<0.2
Reference Materials																			
STD DS9	Standard	0.080	13	123	0.61	306	0.112	<20	0.96	0.085	0.40	2.9	0.19	2.5	5.3	0.17	5	5.4	4.4
STD OREAS45CA	Standard	0.039	17	745	0.15	161	0.151	<20	3.69	0.011	0.08	<0.1	0.02	44.7	<0.1	<0.05	18	<0.5	<0.2
STD OXG99	Standard																		
STD OXK94	Standard																		
STD OXK94 Expected																			
STD OXG99 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																		
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	0.075	15	6	0.51	155	0.139	<20	0.98	0.107	0.49	<0.1	0.01	2.4	0.4	<0.05	5	<0.5	<0.2
G1-WHI	Prep Blank	0.080	15	10	0.54	171	0.151	<20	1.06	0.121	0.53	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2

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

Submitted By: Mike Power
Receiving Lab: Canada-Whitehorse
Received: June 06, 2012
Report Date: June 16, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI12000072.1

CLIENT JOB INFORMATION

Project: Risby
Shipment ID: RC-2012-01
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
RJSV	41	Saving all or part of Soil Reject			VAN
1F03	40	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Mike Wark
Mike Power

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

Project: Risby
Report Date: June 16, 2012

CERTIFICATE OF ANALYSIS WHI12000072.1

Method	1F30	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
1200E4200N	1.31	11.80	11.59	85.9	92	17.9	6.9	271	2.01	8.9	0.4	3.7	2.7	12.8	0.39	0.78	0.23	31	0.16	0.047
1200E4250N	3.01	29.70	23.71	105.3	728	34.8	10.0	395	2.67	15.5	0.8	14.0	2.5	32.9	0.85	1.55	0.28	44	0.40	0.114
1200E4300N	1.90	31.46	14.62	114.2	435	32.3	8.3	411	1.99	12.4	1.1	6.4	2.7	42.3	0.71	1.27	0.25	31	0.89	0.127
1200E4350N	2.38	32.02	17.95	101.2	417	36.4	8.7	369	2.26	11.9	0.8	5.3	3.5	23.7	0.45	1.49	0.25	41	0.32	0.065
1200E4400N	2.13	20.11	15.20	84.0	324	26.4	7.9	339	1.92	7.2	0.5	1.2	2.6	20.3	0.68	1.04	0.22	38	0.26	0.067
1200E4450N	2.42	26.98	17.65	97.3	578	27.2	7.5	299	2.20	9.6	0.6	3.1	2.9	28.8	0.97	1.37	0.19	40	0.42	0.086
1200E4500N	1.51	21.85	12.59	68.7	294	30.2	8.3	284	1.82	9.2	0.8	3.9	3.8	21.9	0.24	1.06	0.17	32	0.27	0.066
1200E4550N	2.11	57.89	17.24	94.5	1248	47.7	11.0	383	2.14	27.2	0.9	9.7	2.4	137.6	1.78	1.84	0.27	38	6.25	0.095
1200E4600N	1.48	38.45	14.75	72.0	742	31.4	7.7	314	1.67	9.3	0.7	7.1	1.6	155.8	0.99	1.37	0.17	29	7.54	0.089
1300E4200N	1.96	20.85	15.20	73.1	226	23.0	6.8	155	2.61	12.9	0.4	2.5	3.9	12.5	0.19	1.06	0.19	36	0.18	0.050
1300E4250N	1.38	23.66	13.83	112.7	100	30.7	8.2	351	2.04	11.3	0.9	3.8	2.7	28.3	0.57	1.24	0.14	30	0.29	0.129
1300E4300N	2.69	10.16	14.98	102.6	282	13.3	6.4	380	1.76	6.5	0.3	1.4	0.8	23.2	1.41	1.10	0.17	38	0.24	0.093
1300E4350N	1.59	16.15	10.05	58.7	258	16.8	4.9	128	1.91	8.2	0.3	2.2	2.7	11.6	0.10	0.96	0.13	31	0.16	0.030
1300E4400N	2.05	24.91	18.24	77.5	161	28.9	7.8	245	2.43	15.9	0.5	2.3	3.2	9.8	0.20	1.26	0.27	35	0.13	0.045
1300E4450N	1.33	21.54	13.73	71.1	161	26.8	7.7	263	1.96	9.7	0.6	2.3	4.2	11.4	0.16	1.19	0.16	32	0.14	0.032
1300E4500N	2.18	33.68	14.41	97.6	306	36.6	9.3	325	2.37	13.4	1.0	3.3	4.9	17.6	0.25	1.78	0.17	45	0.18	0.067
1300E4550N	1.70	17.61	10.13	70.5	119	21.3	5.9	185	1.77	8.3	0.5	1.0	2.6	14.0	0.14	1.01	0.11	37	0.15	0.031
1300E4600N	2.35	55.74	17.25	123.9	653	48.6	9.8	363	2.29	15.8	0.9	9.9	4.9	51.1	0.41	2.30	0.22	42	0.98	0.088
1400E4250N	1.34	22.81	10.50	72.8	76	27.1	7.2	250	1.93	8.5	0.6	3.6	2.8	11.7	0.26	0.98	0.15	38	0.15	0.030
1400E4275N	1.68	22.69	14.50	87.2	106	27.8	8.2	773	2.11	9.6	0.7	1.9	2.8	21.3	0.38	1.10	0.17	37	0.33	0.043
1400E4300N	1.32	28.88	12.68	105.6	384	36.6	8.8	437	1.82	7.5	0.7	6.0	3.2	46.6	0.89	1.14	0.17	32	0.97	0.105
1400E4325N	1.33	18.06	8.68	76.9	236	21.3	6.8	256	1.46	7.6	0.5	84.2	1.8	26.5	0.31	0.91	0.13	24	0.41	0.037
1400E4350N	2.14	115.8	9.77	170.1	572	183.7	59.9	551	8.17	29.5	1.4	0.5	2.8	66.0	0.23	2.13	0.10	89	1.36	0.154
1400E4375N	3.00	111.2	23.10	104.2	388	94.2	18.7	831	2.41	10.4	0.9	5.0	3.0	68.8	0.34	2.82	0.21	29	1.31	0.072
1400E4400N	6.92	134.4	38.75	188.6	1292	177.2	25.0	1085	4.25	5.1	2.1	1.0	10.6	109.8	0.62	2.96	0.27	27	1.39	0.106
1400E4450N	1.37	48.38	13.89	112.3	458	42.8	10.8	514	2.24	9.7	0.7	4.7	3.9	75.9	0.85	1.64	0.20	39	2.63	0.092
1400E4500N	2.50	46.95	17.50	154.2	464	41.5	10.3	388	2.49	8.8	1.3	6.4	5.5	56.7	1.04	2.29	0.25	41	1.54	0.113
1400E4550N	1.34	39.37	13.26	127.1	387	38.3	9.4	241	1.79	9.1	0.8	11.6	5.0	52.9	1.53	1.72	0.17	37	1.15	0.108
1400E4600N	1.95	30.95	9.57	91.1	132	29.2	6.3	171	1.67	7.9	0.8	2.1	3.3	24.6	0.66	1.47	0.13	31	0.26	0.076
1500E4200N	1.33	16.03	9.46	88.1	231	18.6	7.7	738	1.48	4.6	0.9	0.8	1.4	34.0	0.69	0.73	0.13	30	0.58	0.045

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

Project: Risby
Report Date: June 16, 2012

CERTIFICATE OF ANALYSIS WHI12000072.1

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
1200E4200N	12.2	22.2	0.32	259.5	0.006	2	0.98	0.003	0.06	0.2	1.6	0.09	<0.02	22	0.4	0.04	2.7
1200E4250N	11.7	32.6	0.40	490.9	0.014	4	1.34	0.008	0.09	0.2	2.6	0.17	0.04	55	0.7	0.03	3.3
1200E4300N	15.6	27.9	0.58	301.3	0.011	3	0.92	0.006	0.13	0.2	3.0	0.11	<0.02	109	0.6	0.07	2.4
1200E4350N	16.6	31.8	0.40	385.7	0.013	2	1.10	0.010	0.10	0.1	3.4	0.15	<0.02	133	0.7	<0.02	2.6
1200E4400N	13.3	30.0	0.32	380.0	0.012	2	1.03	0.008	0.09	0.1	2.3	0.08	<0.02	37	0.4	0.06	2.6
1200E4450N	14.4	28.5	0.34	324.5	0.010	2	1.18	0.009	0.08	0.2	2.6	0.15	<0.02	77	0.6	<0.02	2.7
1200E4500N	15.9	28.5	0.41	262.8	0.017	2	1.02	0.010	0.07	<0.1	3.3	0.14	<0.02	90	0.5	0.02	2.5
1200E4550N	14.2	29.8	0.70	637.5	0.023	4	1.17	0.021	0.15	0.1	3.2	0.22	0.04	612	1.0	0.12	2.9
1200E4600N	10.2	20.2	0.64	602.9	0.010	3	0.95	0.013	0.08	<0.1	2.0	0.12	0.04	217	0.6	0.04	2.0
1300E4200N	17.6	24.9	0.36	308.7	0.006	<1	1.06	0.002	0.09	0.2	1.7	0.11	<0.02	29	0.6	0.09	3.3
1300E4250N	14.5	21.3	0.36	255.5	0.006	1	0.95	0.002	0.05	<0.1	1.7	0.13	<0.02	43	0.4	0.05	2.1
1300E4300N	11.2	20.2	0.20	327.7	0.007	<1	0.72	0.005	0.09	0.1	1.0	0.09	0.04	10	0.7	0.06	2.7
1300E4350N	13.0	20.2	0.28	179.6	0.007	<1	0.82	0.002	0.07	<0.1	1.3	0.09	<0.02	17	0.5	0.04	2.5
1300E4400N	12.5	25.7	0.34	184.7	0.011	<1	1.15	0.004	0.10	0.1	2.1	0.12	<0.02	23	0.6	0.06	2.6
1300E4450N	16.2	24.3	0.34	243.9	0.015	1	1.03	0.004	0.11	<0.1	3.2	0.14	<0.02	41	0.4	0.03	2.6
1300E4500N	18.5	26.8	0.41	349.9	0.014	2	1.15	0.003	0.09	0.1	3.4	0.22	<0.02	101	1.1	0.04	2.8
1300E4550N	11.3	19.3	0.27	296.0	0.006	<1	0.97	0.005	0.07	<0.1	1.8	0.12	<0.02	25	0.5	0.06	2.5
1300E4600N	16.9	25.4	0.50	364.6	0.012	2	0.98	0.008	0.17	0.2	3.6	0.26	<0.02	215	1.0	0.06	2.7
1400E4250N	14.8	27.0	0.34	346.0	0.008	1	1.25	0.006	0.08	<0.1	2.8	0.10	<0.02	62	0.4	<0.02	3.1
1400E4275N	13.1	27.9	0.36	371.7	0.008	1	1.17	0.003	0.11	0.1	2.7	0.12	<0.02	32	0.4	0.06	2.8
1400E4300N	14.9	27.2	0.55	341.1	0.015	2	0.97	0.011	0.11	0.1	3.2	0.15	0.02	138	0.6	0.04	2.6
1400E4325N	10.4	19.2	0.29	302.5	0.007	<1	0.83	0.011	0.05	0.1	1.6	0.10	<0.02	35	0.7	0.03	2.3
1400E4350N	19.3	178.6	2.86	145.4	0.004	<1	3.92	<0.001	0.15	<0.1	8.1	0.17	0.13	172	2.6	0.08	9.2
1400E4375N	20.7	69.8	1.18	531.3	0.010	1	1.39	0.014	0.13	<0.1	2.4	0.11	0.06	66	0.8	0.07	3.9
1400E4400N	28.0	91.7	1.60	352.4	0.002	<1	1.85	0.003	0.13	<0.1	2.5	0.14	0.13	240	2.7	0.09	4.1
1400E4450N	16.0	27.9	0.72	434.9	0.015	3	1.29	0.008	0.19	<0.1	3.3	0.19	0.02	140	0.7	0.04	3.2
1400E4500N	19.8	25.3	0.65	431.1	0.011	3	1.15	0.005	0.16	<0.1	3.6	0.19	<0.02	200	3.9	0.05	3.2
1400E4550N	18.1	22.2	0.43	561.9	0.020	2	0.90	0.004	0.09	0.1	3.2	0.15	<0.02	150	1.0	0.06	2.4
1400E4600N	16.0	16.0	0.31	242.8	0.010	1	0.76	0.005	0.07	<0.1	2.1	0.09	<0.02	81	0.4	0.03	1.9
1500E4200N	12.0	22.7	0.33	497.4	0.010	1	0.95	0.011	0.07	0.1	2.1	0.09	<0.02	24	0.3	0.06	2.8

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

Project: Risby
Report Date: June 16, 2012

CERTIFICATE OF ANALYSIS WHI12000072.1

	Method	1F30	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
1500E4250N		1.26	40.02	11.70	90.4	381	37.7	9.0	511	1.88	7.9	0.9	4.5	2.9	45.5	0.38	1.24	0.19	32	1.14	0.083
1500E4300N		1.86	16.69	11.81	68.9	300	16.9	8.4	1059	1.38	4.1	0.3	0.4	1.4	23.3	0.49	0.51	0.14	29	0.34	0.062
1500E4350N		1.10	38.90	11.25	72.6	386	31.5	8.1	379	1.64	8.8	0.7	3.0	2.7	105.9	0.85	1.55	0.15	29	4.95	0.086
1500E4400N		1.81	37.49	14.01	118.1	309	35.0	8.9	439	2.07	9.6	1.0	4.6	4.0	68.4	0.86	1.56	0.20	36	1.91	0.105
1500E4450N		1.91	45.46	14.15	162.7	462	42.2	10.0	337	2.33	15.9	1.0	10.7	4.7	47.5	0.76	2.55	0.31	40	0.85	0.089
1500E4500N		1.82	28.31	11.82	99.7	141	28.4	7.6	246	1.83	10.5	1.0	3.5	3.9	24.2	0.41	1.54	0.13	38	0.23	0.079
1500E4550N		2.51	44.88	48.97	152.7	608	39.6	10.2	371	2.22	17.5	1.3	4.3	2.7	55.1	0.90	2.60	0.18	43	0.72	0.143
1500E4600N		1.82	28.90	12.55	141.5	288	29.4	8.5	371	1.76	11.5	0.9	3.7	3.3	53.5	1.26	2.06	0.13	32	0.93	0.147
RC-SSS-01	Sediment	1.10	24.08	11.96	95.6	209	27.0	8.6	516	1.88	10.7	0.9	3.7	3.8	75.6	0.65	1.32	0.19	30	1.44	0.120
RC-SSS-02	Sediment	1.01	31.22	10.76	176.9	300	53.6	12.8	2012	2.08	6.9	1.3	3.2	2.9	47.5	1.34	1.12	0.15	35	0.73	0.111
RC-SSS-03	Sediment	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Project: Risby
Report Date: June 16, 2012

CERTIFICATE OF ANALYSIS WHI12000072.1

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
1500E4250N		16.4	27.0	0.49	361.7	0.016	2	0.96	0.012	0.12	0.1	3.2	0.16	0.03	153	0.5	0.03	2.5
1500E4300N		11.7	21.9	0.26	433.3	0.011	1	0.83	0.009	0.08	0.1	1.5	0.09	<0.02	19	0.5	0.04	2.6
1500E4350N		11.8	17.5	0.63	440.9	0.016	2	0.91	0.014	0.11	0.1	2.4	0.15	0.03	183	0.8	0.08	2.3
1500E4400N		15.8	26.3	0.64	406.7	0.018	3	1.00	0.011	0.15	0.1	3.1	0.17	<0.02	128	0.7	0.06	3.0
1500E4450N		18.4	20.7	0.49	489.0	0.014	4	0.96	0.009	0.12	<0.1	3.9	0.21	<0.02	218	1.4	0.05	2.6
1500E4500N		16.3	18.3	0.32	334.9	0.009	<1	0.92	0.005	0.08	0.1	2.9	0.14	<0.02	89	0.6	0.04	2.2
1500E4550N		16.3	20.6	0.46	447.6	0.009	2	0.90	0.011	0.11	<0.1	3.6	0.20	0.02	217	0.9	0.04	2.5
1500E4600N		14.6	17.3	0.39	469.5	0.010	3	0.69	0.004	0.08	<0.1	2.9	0.16	<0.02	115	0.8	0.06	2.0
RC-SSS-01	Sediment	13.4	19.4	0.47	359.1	0.014	3	0.76	0.007	0.09	0.2	2.1	0.09	0.06	72	1.7	<0.02	2.2
RC-SSS-02	Sediment	15.7	35.3	0.52	394.9	0.013	2	1.02	0.006	0.11	0.1	2.7	0.13	0.08	199	2.8	0.04	3.1
RC-SSS-03	Sediment	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Project: Risby
Report Date: June 16, 2012

QUALITY CONTROL REPORT WHI12000072.1

	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																					
1200E4400N	QC	2.13	20.11	15.20	84.0	324	26.4	7.9	339	1.92	7.2	0.5	1.2	2.6	20.3	0.68	1.04	0.22	38	0.26	0.067
REP 1200E4400N	QC	2.04	19.78	15.49	87.0	316	25.8	7.6	316	1.90	8.0	0.5	1.6	2.5	19.2	0.64	1.12	0.20	37	0.25	0.064
Reference Materials																					
STD DS8	Standard	13.56	108.7	122.1	312.5	1831	37.1	7.3	570	2.40	21.8	2.8	117.9	6.7	60.4	2.11	5.08	6.39	40	0.70	0.077
STD DS8	Standard	13.03	118.4	129.7	347.4	1764	40.8	7.8	614	2.56	26.1	2.7	115.5	6.8	73.3	2.42	6.06	7.58	42	0.74	0.086
STD DS8	Standard	14.02	113.0	125.6	326.2	1798	38.7	8.5	602	2.49	27.1	2.7	120.7	6.9	73.5	2.37	6.36	7.51	42	0.71	0.087
STD DS9	Standard	12.98	105.8	128.0	320.4	2036	39.5	7.5	572	2.27	23.6	2.8	130.8	6.5	69.7	2.24	5.43	6.69	38	0.70	0.082
STD DS9	Standard	13.20	114.0	135.9	334.4	1871	42.4	7.9	584	2.42	26.6	2.9	130.5	6.7	83.3	2.46	6.31	7.87	41	0.75	0.092
STD DS9	Standard	12.29	103.4	125.7	315.5	1830	39.1	7.6	532	2.28	26.8	2.6	112.4	6.3	74.5	2.43	6.07	7.34	39	0.70	0.082
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
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<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	0.3	<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	0.02	<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

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34A Laberge Road.
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Project: Risby
Report Date: June 16, 2012

QUALITY CONTROL REPORT WHI12000072.1

	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																		
1200E4400N	QC	13.3	30.0	0.32	380.0	0.012	2	1.03	0.008	0.09	0.1	2.3	0.08	<0.02	37	0.4	0.06	2.6
REP 1200E4400N	QC	12.6	28.4	0.30	355.1	0.012	3	1.02	0.008	0.09	0.2	2.2	0.17	<0.02	33	0.6	0.06	2.6
Reference Materials																		
STD DS8	Standard	15.2	119.7	0.61	244.9	0.117	3	0.92	0.089	0.41	2.7	2.6	5.29	0.16	196	4.9	4.65	4.6
STD DS8	Standard	15.3	126.3	0.64	282.9	0.119	3	0.96	0.098	0.45	3.1	2.9	5.71	0.18	237	5.6	5.06	5.1
STD DS8	Standard	16.6	127.8	0.62	291.0	0.126	2	0.93	0.087	0.42	3.1	2.7	5.71	0.16	203	5.3	5.11	4.9
STD DS9	Standard	12.9	129.9	0.61	262.4	0.113	2	0.94	0.080	0.38	3.0	2.5	5.54	0.16	208	4.7	5.14	4.5
STD DS9	Standard	14.7	128.0	0.64	318.1	0.122	2	1.01	0.092	0.42	3.3	2.9	5.92	0.18	214	5.6	4.85	5.1
STD DS9	Standard	13.0	116.5	0.60	303.9	0.116	2	0.92	0.078	0.38	3.0	2.5	5.55	0.16	180	5.3	5.15	4.2
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
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7
BLK	Blank	<0.5	1.4	<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
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

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APPENDIX VII. GEOCHEMICAL SAMPLE DESCRIPTIONS

Risby Creek
Soil Sample Log

									Ag	Al	As	Au	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
									PPB	%	PPM	PPB	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	%	PPM
Sample	***Line***	***Station***	***UTME***	***UTMN***	***Depth (cm)***	***Color***	***Material***	***Aspect***	2	0.01	0.1	0.2	1	0.5	0.02	0.01	0.01	0.1	0.5	0.01	0.01	0.1
1200E4200N	1200	4200	401198.0	6844199.0	40	brown	B	shallow S	92	0.98	8.9	3.7	2	259.5	0.23	0.16	0.39	6.9	22.2	11.80	2.01	2.7
1200E4250N	1200	4250	401201.0	6844249.0	45	dark brn	B	moderate W	728	1.34	15.5	14	4	490.9	0.28	0.40	0.85	10.0	32.6	29.70	2.67	3.3
1200E4300N	1200	4300	401200.0	6844298.0	40	brown	B	moderate SSW	435	0.92	12.4	6.4	3	301.3	0.25	0.89	0.71	8.3	27.9	31.46	1.99	2.4
1200E4350N	1200	4350	401199.0	6844351.0					417	1.10	11.9	5.3	2	385.7	0.25	0.32	0.45	8.7	31.8	32.02	2.26	2.6
1200E4400N	1200	4400	401203.0	6844400.0	45	brown	B	moderate S	324	1.03	7.2	1.2	2	380.0	0.22	0.26	0.68	7.9	30.0	20.11	1.92	2.6
1200E4450N	1200	4450	401202.0	6844448.0	40	brown	B	moderate SSW	578	1.18	9.6	3.1	2	324.5	0.19	0.42	0.97	7.5	28.5	26.98	2.20	2.7
1200E4500N	1200	4500	401198.0	6844501.0	40	brown	B	Steep S	294	1.02	9.2	3.9	2	262.8	0.17	0.27	0.24	8.3	28.5	21.85	1.82	2.5
1200E4550N	1200	4550	401199.0	6844547.0	45	dark brown	B	Steep WSW	1248	1.17	27.2	9.7	4	637.5	0.27	6.25	1.78	11.0	29.8	57.89	2.14	2.9
1200E4600N	1200	4600	401201.0	6844598.0	40	brown	B	steep S	742	0.95	9.3	7.1	3	602.9	0.17	7.54	0.99	7.7	20.2	38.45	1.67	2.0
1300E4200N	1300	4200	401300.0	6844200.0	30	brown	B	shallow S	226	1.06	12.9	2.5	0.5	308.7	0.19	0.18	0.19	6.8	24.9	20.85	2.61	3.3
1300E4250N	1300	4250	401299.0	6844252.0	40	dark brn	B	gentle NNE	100	0.95	11.3	3.8	1	255.5	0.14	0.29	0.57	8.2	21.3	23.66	2.04	2.1
1300E4300N	1300	4300	401300.0	6844301.0	30	brown	B	gentle S	282	0.72	6.5	1.4	0.5	327.7	0.17	0.24	1.41	6.4	20.2	10.16	1.76	2.7
1300E4350N	1300	4350	401300.0	6844347.0	30	brown	B	moderate S	258	0.82	8.2	2.2	0.5	179.6	0.13	0.16	0.10	4.9	20.2	16.15	1.91	2.5
1300E4400N	1300	4400	401298.0	6844399.0	35	brown	B	moderate SW	161	1.15	15.9	2.3	0.5	184.7	0.27	0.13	0.20	7.8	25.7	24.91	2.43	2.6
1300E4450N	1300	4450	401301.0	6844450.0	40	lt brn	B	moderate SW	161	1.03	9.7	2.3	1	243.9	0.16	0.14	0.16	7.7	24.3	21.54	1.96	2.6
1300E4500N	1300	4500	401305.0	6844498.0	55	brown	B	Steep S	306	1.15	13.4	3.3	2	349.9	0.17	0.18	0.25	9.3	26.8	33.68	2.37	2.8
1300E4550N	1300	4550	401300.0	6844547.0	40	brown	B	Steep SW	119	0.97	8.3	1	0.5	296.0	0.11	0.15	0.14	5.9	19.3	17.61	1.77	2.5
1300E4600N	1300	4600	401299.0	6844598.0					653	0.98	15.8	9.9	2	364.6	0.22	0.98	0.41	9.8	25.4	55.74	2.29	2.7
1400E4250N	1400	4250	401403.0	6844245.0	40	brown	B	Shallow S	76	1.25	8.5	3.6	1	346.0	0.15	0.15	0.26	7.2	27.0	22.81	1.93	3.1
1400E4275N	1400	4275	401401.0	6844276.0	60	light brn-gy	B	Moderate NW	106	1.17	9.6	1.9	1	371.7	0.17	0.33	0.38	8.2	27.9	22.69	2.11	2.8
1400E4300N	1400	4300	401400.0	6844300.0	40	brown	B	shallow W	384	0.97	7.5	6	2	341.1	0.17	0.97	0.89	8.8	27.2	28.88	1.82	2.6
1400E4325N	1400	4325	401399.0	6844323.0	60	dark brn	B	Moderate W	236	0.83	7.6	84.2	0.5	302.5	0.13	0.41	0.31	6.8	19.2	18.06	1.46	2.3
1400E4350N	1400	4350	401398.0	6844350.0	75	grey	B	steep SE	572	3.92	29.5	0.5	0.5	145.4	0.10	1.36	0.23	59.9	178.6	115.79	8.17	9.2
1400E4375N	1400	4375	401399.0	6844376.0	70	dark brn	B	steep ESE	388	1.39	10.4	5	1	531.3	0.21	1.31	0.34	18.7	69.8	111.15	2.41	3.9
1400E4400N	1400	4400	401401.0	6844404.0	70	dk gy	B/C	V Steep SE	1292	1.85	5.1	1	0.5	352.4	0.27	1.39	0.62	25.0	91.7	134.44	4.25	4.1
1400E4450N	1400	4450	401399.0	6844450.0	45	brown	B	V Steep SE	458	1.29	9.7	4.7	3	434.9	0.20	2.63	0.85	10.8	27.9	48.38	2.24	3.2
1400E4500N	1400	4500	401400.0	6844498.0	40	gy-brn	B	steep ESE	464	1.15	8.8	6.4	3	431.1	0.25	1.54	1.04	10.3	25.3	46.95	2.49	3.2
1400E4550N	1400	4550	401399.0	6844549.0	40	brown	B	steep ESE	387	0.90	9.1	11.6	2	561.9	0.17	1.15	1.53	9.4	22.2	39.37	1.79	2.4
1400E4600N	1400	4600	401403.0	6844598.0	45	brown	B	steep SSW	132	0.76	7.9	2.1	1	242.8	0.13	0.26	0.66	6.3	16.0	30.95	1.67	1.9
1500E4200N	1500	4200	401498.0	6844200.0					231	0.95	4.6	0.8	1	497.4	0.13	0.58	0.69	7.7	22.7	16.03	1.48	2.8
1500E4250N	1500	4250	401498.0	6844252.0	50	brown	B	Shallow S	381	0.96	7.9	4.5	2	361.7	0.19	1.14	0.38	9.0	27.0	40.02	1.88	2.5
1500E4300N	1500	4300	401501.0	6844301.0	40	grey-brown	B	moderate W	300	0.83	4.1	0.4	1	433.3	0.14	0.34	0.49	8.4	21.9	16.69	1.38	2.6
1500E4350N	1500	4350	401503.0	6844349.0	40	brown	B	Steep W	386	0.91	8.8	3	2	440.9	0.15	4.95	0.85	8.1	17.5	38.90	1.64	2.3
1500E4400N	1500	4400	401501.0	6844400.0	45	brn-grey	B	Steep W	309	1.00	9.6	4.6	3	406.7	0.20	1.91	0.86	8.9	26.3	37.49	2.07	3.0
1500E4450N	1500	4450	401499.0	6844451.0	50	brown	B	Steep SSW	462	0.96	15.9	10.7	4	489.0	0.31	0.85	0.76	10.0	20.7	45.46	2.33	2.6
1500E4500N	1500	4500	401504.0	6844498.0	55	brown	B	Steep S	141	0.92	10.5	3.5	0.5	334.9	0.13	0.23	0.41	7.6	18.3	28.31	1.83	2.2
1500E4550N	1500	4550	401499.0	6844552.0	40	dark brown	B	Steep W	608	0.90	17.5	4.3	2	447.6	0.18	0.72	0.90	10.2	20.6	44.88	2.22	2.5
1500E4600N	1500	4600	401499.0	6844601.0	50	grey-brown	B	Moderate N	288	0.69	11.5	3.7	3	469.5	0.13	0.93	1.26	8.5	17.3	28.90	1.76	2.0

	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
	PPB	%	PPM	%	PPM	PPM	%	PPM	%	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM
Sample	5	0.01	0.5	0.01	1	0.01	0.001	0.1	0.001	0.01	0.02	0.02	0.1	0.1	0.5	0.02	0.1	0.001	0.02	0.1	2	0.1	0.1
1200E4200N	22	0.06	12.2	0.32	271	1.31	0.003	17.9	0.047	11.59	0.01	0.78	1.6	0.4	12.8	0.04	2.7	0.006	0.09	0.4	31	0.2	85.9
1200E4250N	55	0.09	11.7	0.40	395	3.01	0.008	34.8	0.114	23.71	0.04	1.55	2.6	0.7	32.9	0.03	2.5	0.014	0.17	0.8	44	0.2	105.3
1200E4300N	109	0.13	15.6	0.58	411	1.90	0.006	32.3	0.127	14.62	0.01	1.27	3.0	0.6	42.3	0.07	2.7	0.011	0.11	1.1	31	0.2	114.2
1200E4350N	133	0.10	16.6	0.40	369	2.38	0.010	36.4	0.065	17.95	0.01	1.49	3.4	0.7	23.7	0.01	3.5	0.013	0.15	0.8	41	0.1	101.2
1200E4400N	37	0.09	13.3	0.32	339	2.13	0.008	26.4	0.067	15.20	0.01	1.04	2.3	0.4	20.3	0.06	2.6	0.012	0.08	0.5	38	0.1	84.0
1200E4450N	77	0.08	14.4	0.34	299	2.42	0.009	27.2	0.086	17.65	0.01	1.37	2.6	0.6	28.8	0.01	2.9	0.010	0.15	0.6	40	0.2	97.3
1200E4500N	90	0.07	15.9	0.41	284	1.51	0.010	30.2	0.066	12.59	0.01	1.06	3.3	0.5	21.9	0.02	3.8	0.017	0.14	0.8	32	0.1	68.7
1200E4550N	612	0.15	14.2	0.70	383	2.11	0.021	47.7	0.095	17.24	0.04	1.84	3.2	1.0	137.6	0.12	2.4	0.023	0.22	0.9	38	0.1	94.5
1200E4600N	217	0.08	10.2	0.64	314	1.48	0.013	31.4	0.089	14.75	0.04	1.37	2.0	0.6	155.8	0.04	1.6	0.010	0.12	0.7	29	0.1	72.0
1300E4200N	29	0.09	17.6	0.36	155	1.96	0.002	23.0	0.050	15.20	0.01	1.06	1.7	0.6	12.5	0.09	3.9	0.006	0.11	0.4	36	0.2	73.1
1300E4250N	43	0.05	14.5	0.36	351	1.38	0.002	30.7	0.129	13.83	0.01	1.24	1.7	0.4	28.3	0.05	2.7	0.006	0.13	0.9	30	0.1	112.7
1300E4300N	10	0.09	11.2	0.20	380	2.69	0.005	13.3	0.093	14.98	0.04	1.10	1.0	0.7	23.2	0.06	0.8	0.007	0.09	0.3	38	0.1	102.6
1300E4350N	17	0.07	13.0	0.28	128	1.59	0.002	16.8	0.030	10.05	0.01	0.96	1.3	0.5	11.6	0.04	2.7	0.007	0.09	0.3	31	0.1	58.7
1300E4400N	23	0.10	12.5	0.34	245	2.05	0.004	28.9	0.045	18.24	0.01	1.26	2.1	0.6	9.8	0.06	3.2	0.011	0.12	0.5	35	0.1	77.5
1300E4450N	41	0.11	16.2	0.34	263	1.33	0.004	26.8	0.032	13.73	0.01	1.19	3.2	0.4	11.4	0.03	4.2	0.015	0.14	0.6	32	0.1	71.1
1300E4500N	101	0.09	18.5	0.41	325	2.18	0.003	36.6	0.067	14.41	0.01	1.78	3.4	1.1	17.6	0.04	4.9	0.014	0.22	1.0	45	0.1	97.6
1300E4550N	25	0.07	11.3	0.27	185	1.70	0.005	21.3	0.031	10.13	0.01	1.01	1.8	0.5	14.0	0.06	2.6	0.006	0.12	0.5	37	0.1	70.5
1300E4600N	215	0.17	16.9	0.50	363	2.35	0.008	48.6	0.088	17.25	0.01	2.30	3.6	1.0	51.1	0.06	4.9	0.012	0.26	0.9	42	0.2	123.9
1400E4250N	62	0.08	14.8	0.34	250	1.34	0.006	27.1	0.030	10.50	0.01	0.98	2.8	0.4	11.7	0.01	2.8	0.008	0.10	0.6	38	0.1	72.8
1400E4275N	32	0.11	13.1	0.36	773	1.68	0.003	27.8	0.043	14.50	0.01	1.10	2.7	0.4	21.3	0.06	2.8	0.008	0.12	0.7	37	0.1	87.2
1400E4300N	138	0.11	14.9	0.55	437	1.32	0.011	36.6	0.105	12.68	0.02	1.14	3.2	0.6	46.6	0.04	3.2	0.015	0.15	0.7	32	0.1	105.6
1400E4325N	35	0.05	10.4	0.29	256	1.33	0.011	21.3	0.037	8.68	0.01	0.91	1.6	0.7	26.5	0.03	1.8	0.007	0.10	0.5	24	0.1	76.9
1400E4350N	172	0.15	19.3	2.86	551	2.14	0.001	183.7	0.154	9.77	0.13	2.13	8.1	2.6	66.0	0.08	2.8	0.004	0.17	1.4	89	0.1	170.1
1400E4375N	66	0.13	20.7	1.18	831	3.00	0.014	94.2	0.072	23.10	0.06	2.82	2.4	0.8	68.8	0.07	3.0	0.010	0.11	0.9	29	0.1	104.2
1400E4400N	240	0.13	28.0	1.60	1085	6.92	0.003	177.2	0.106	38.75	0.13	2.96	2.5	2.7	109.8	0.09	10.6	0.002	0.14	2.1	27	0.1	188.6
1400E4450N	140	0.19	16.0	0.72	514	1.37	0.008	42.8	0.092	13.89	0.02	1.64	3.3	0.7	75.9	0.04	3.9	0.015	0.19	0.7	39	0.1	112.3
1400E4500N	200	0.16	19.8	0.65	388	2.50	0.005	41.5	0.113	17.50	0.01	2.29	3.6	3.9	56.7	0.05	5.5	0.011	0.19	1.3	41	0.1	154.2
1400E4550N	150	0.09	18.1	0.43	241	1.34	0.004	38.3	0.108	13.26	0.01	1.72	3.2	1.0	52.9	0.06	5.0	0.020	0.15	0.8	37	0.1	127.1
1400E4600N	81	0.07	16.0	0.31	171	1.95	0.005	29.2	0.076	9.57	0.01	1.47	2.1	0.4	24.6	0.03	3.3	0.010	0.09	0.8	31	0.1	91.1
1500E4200N	24	0.07	12.0	0.33	738	1.33	0.011	18.6	0.045	9.46	0.01	0.73	2.1	0.3	34.0	0.06	1.4	0.010	0.09	0.9	30	0.1	88.1
1500E4250N	153	0.12	16.4	0.49	511	1.26	0.012	37.7	0.083	11.70	0.03	1.24	3.2	0.5	45.5	0.03	2.9	0.016	0.16	0.9	32	0.1	90.4
1500E4300N	19	0.08	11.7	0.26	1059	1.86	0.009	16.9	0.062	11.81	0.01	0.51	1.5	0.5	23.3	0.04	1.4	0.011	0.09	0.3	29	0.1	68.9
1500E4350N	183	0.11	11.8	0.63	379	1.10	0.014	31.5	0.086	11.25	0.03	1.55	2.4	0.8	105.9	0.08	2.7	0.016	0.15	0.7	29	0.1	72.6
1500E4400N	128	0.15	15.8	0.64	439	1.81	0.011	35.0	0.105	14.01	0.01	1.56	3.1	0.7	68.4	0.06	4.0	0.018	0.17	1.0	36	0.1	118.1
1500E4450N	218	0.12	18.4	0.49	337	1.91	0.009	42.2	0.089	14.15	0.01	2.55	3.9	1.4	47.5	0.05	4.7	0.014	0.21	1.0	40	0.1	162.7
1500E4500N	89	0.08	16.3	0.32	246	1.82	0.005	28.4	0.079	11.82	0.01	1.54	2.9	0.6	24.2	0.04	3.9	0.009	0.14	1.0	38	0.1	99.7
1500E4550N	217	0.11	16.3	0.46	371	2.51	0.011	39.6	0.143	48.97	0.02	2.60	3.6	0.9	55.1	0.04	2.7	0.009	0.20	1.3	43	0.1	152.7
1500E4600N	115	0.08	14.6	0.39	371	1.82	0.004	29.4	0.147	12.55	0.01	2.06	2.9	0.8	53.5	0.06	3.3	0.010	0.16	0.9	32	0.1	141.5

APPENDIX VIII. TRENCH LOGS

Trench TR-12-1

Origin location: 401462E
6844489N
(NAD 83 / Zone 9N)

Azimuth: 232^0

Slope: -24^0

Length: 4.0 m

Depth: 2.0 m max

Sample #	Description	Au GM/T 0.01	Au PPB 0.5	As PPM 0.5	Ag PPM 0.1	Sb PPM 0.1
K948359	TR-12-1: 0-0.8 m graphitic phyllite	<0.01	1.4	8.9	0.2	0.3
K948360	T-12-1: 0.8-1.4 m: graphitic phyllite	<0.01	2.2	8.1	0.2	0.4
K948361	T-12-1: 1.4-2.5 m: mostly argillite also QV (not a representative sample because sampling down dip?)	<0.01	1.2	4	<0.1	0.6
K948362	T-12-1: 2.5-3.0 m : graphitic argillite	0.01	3.9	9.6	0.2	0.6
K948363	T-12-1: 1.4-2.5 m: repeat on left wall	0.05	4.7	6.5	0.2	1
K948366	TR12-1 QV: white and brown weathering rusty red brown(limonitic). Quartz is grey glassy and white opaque. Pyrite smeared on laminae 3-8 mm apart. Laminae are irregular, anastomosing. Cubes (1-3 mm) and aggregates of pyrite. Total pyrite ~7%.	0.13	118.2	30.6	0.2	1.6
K948367	TR12-1 QV: white weathering brown dominantly very fine crystalline (<1mm), sugary white quartz with limonitic fractures. Pyrite (~5%) largely disseminated as cubes and small aggregates; locally along fractures.	0.87	2075.5	5.7	1.1	1.6

Trench TR-12-2

Origin location:	401376E 6844356N (NAD 83 / Zone 9N)
Azimuth:	199^0
Slope:	-4^0
Length:	4.0 m
Depth:	3.0 m max

Exposed vein was barren and not sampled. Samples K948351 to K948354 were taken from the same vein where exposed on a steep slope about 8 m to the NE. No significant gold values were returned from these samples.