PANARC RESOURCES LTD.

GEOCHEMICAL SURVEYS AT THE QUILL & CANOL PROPERTIES, QUIET LAKE AREA, YUKON TERRITORY

Mike Power, M.Sc. P.Geo.

CLAIMS

CANOL 1-8	YD156467 - YD156474
QUILL 1-8	YD156475 - YD156482

CANOL CLAIMS
Location: 61° 15' N 133° 0' W
NTS: 105 F 6&7

QUILL CLAIMS
Location: 61° 42' N 133° 4' W
NTS: 105 F 11

Mining District: Watson Lake
Work performed: July 1-31, 2011
Date: January 19, 2012

SUMMARY

This report describes stream sediment and soil geochemical surveys conducted on the Canol and Quill Claims, comprising the Canol Gold Property located along the South Canol Highway, south central Yukon. The Canol Claims are staked on Canol Creek near its confluence with the Rose River while the Quill Claims are staked on Porcupine Creek, immediately east of the South Canol Highway. The Canol and Quill Claims were staked to cover placer gold occurrences known to the late Pete Risby but not documented in the Yukon Placer Minfile.

The work program consisted of stream sediment geochemical sampling by panning gravels to determine gold grain counts. This sampling located the focus of placer gold concentrations by determining gold tenor upstream along the creeks until cutoff. Thereafter, Quartz Claims were staked to cover the likely placer source areas and soil geochemical surveys were conducted along either side of the creeks to determine if there were associated bedrock geochemical responses. This work was conducted between July 1 - 31, 2011.

Gold on Canol Creek is found from the confluence with the Rose River east to just above a canyon incised through metavolcanic bedrock. Pan samples returned 4 to 6 gold grains less than 0.5 mm in diameter. The gold cutoff occurs in an overburden covered area upstream of the canyon. Very weak coincident to associated responses in gold, silver, antimony and arsenic were returned from the soil profile along the south side of the creek. No significant response was returned from the profile along the north side of the creek but this is likely due to a failure to take samples from the proper soil horizon.

Gold on Porcupine Creek is found from the point where it crosses the South Canol Highway, east upstream to just above a bedrock canyon. Placer gold concentrations are especially high just below the canyon and the cutoff occurs in a flat area underlain by overburden above the canyon. Very weak coincident to associated responses in gold, silver and arsenic were returned from the soil profile along the south side of the creek. No significant response was returned from the profile along the north side of the creek but this is likely due to a failure to take samples from the proper soil horizon.

The creeks occur in glaciated terrain and do not contain known preglacial sediments in the source areas. The placer gold is found in recent sediments and likely derived from bedrock. The geochemical responses suggest that there may be bedrock sources for each of the placer gold concentrations.

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1.0 INTRODUCTION

This report describes geochemical surveys conducted on the Quill and Canol Claims held by Panarc Resources Ltd. in the Watson Lake Mining District, Yukon Territory. This work was conducted to locate and investigate the source of placer gold on the claim blocks.

2.0 LOCATION AND ACCESS

The Canol Gold Property consists of two claim blocks (Figure 1). The Canol Claims are located on Canol Creek on NTS 105 F6&7, centred at 61° 15' N 133° 0' W and the Quill Claims are located on Porcupine Creek on NTS 105 F 11, centred at 61° 42' N 133° 4' W. The Canol Creek block is at km 113 on the South Canol Highway while the Quill Claims are at km 168 on the same road.

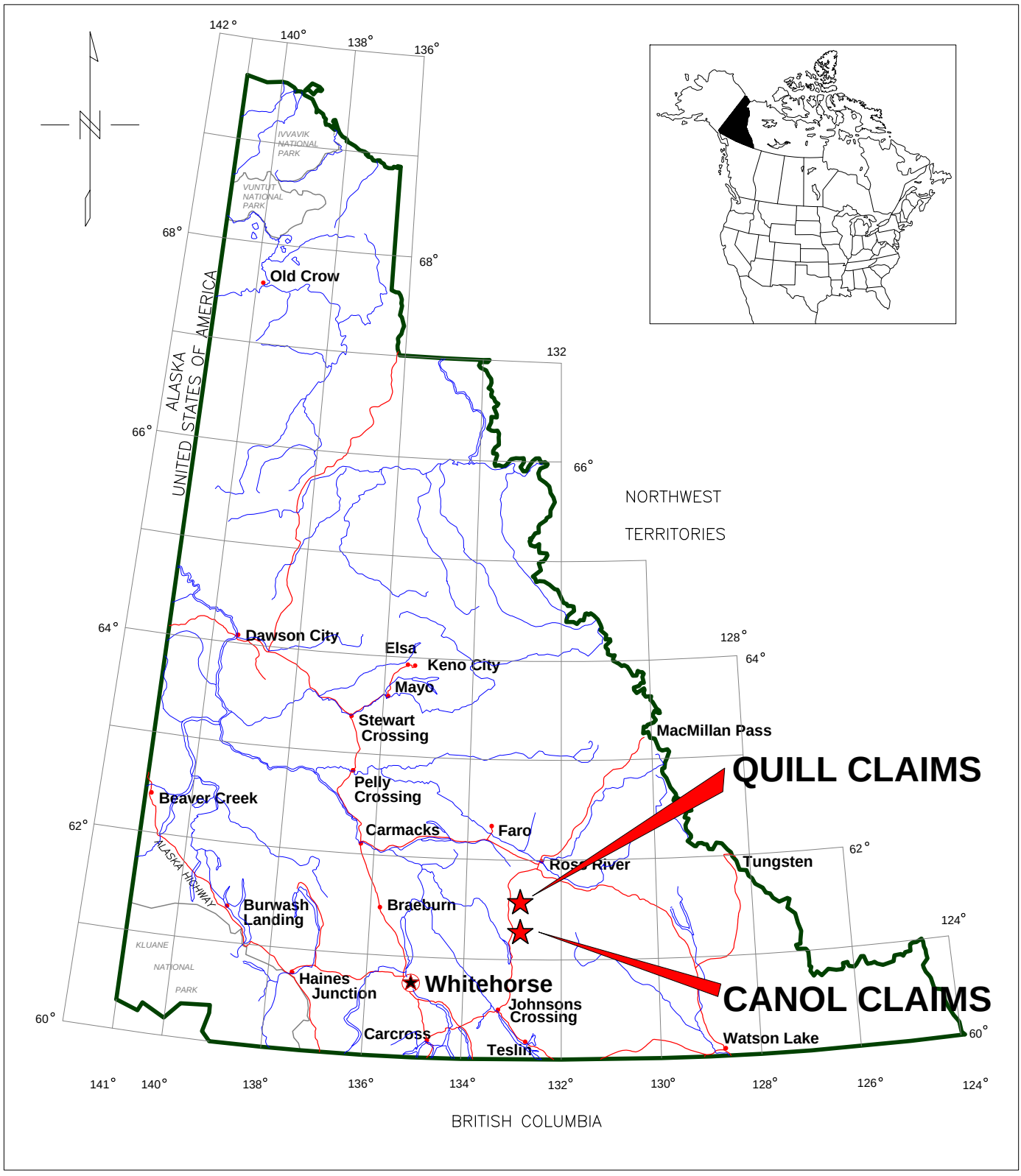
3.0 PROPERTY DESCRIPTION

The Canol Gold Property consists of two claim blocks comprising 16 unsurveyed Quartz Claims staked under the Yukon Quartz Mining Act and recorded in the Watson Lake Mining District. Claim locations are shown in Figures 2 and 3, and claim information is summarized below[1]:

Claim name	Record Number	NTS Sheet	Expiry date
Canol 1-8	YD156467 - YD156474	105 F 6 & 7	7 Jul 2012
Quill 1-8	YD156475 - YD156482	105 F 11	18 Jul 2012

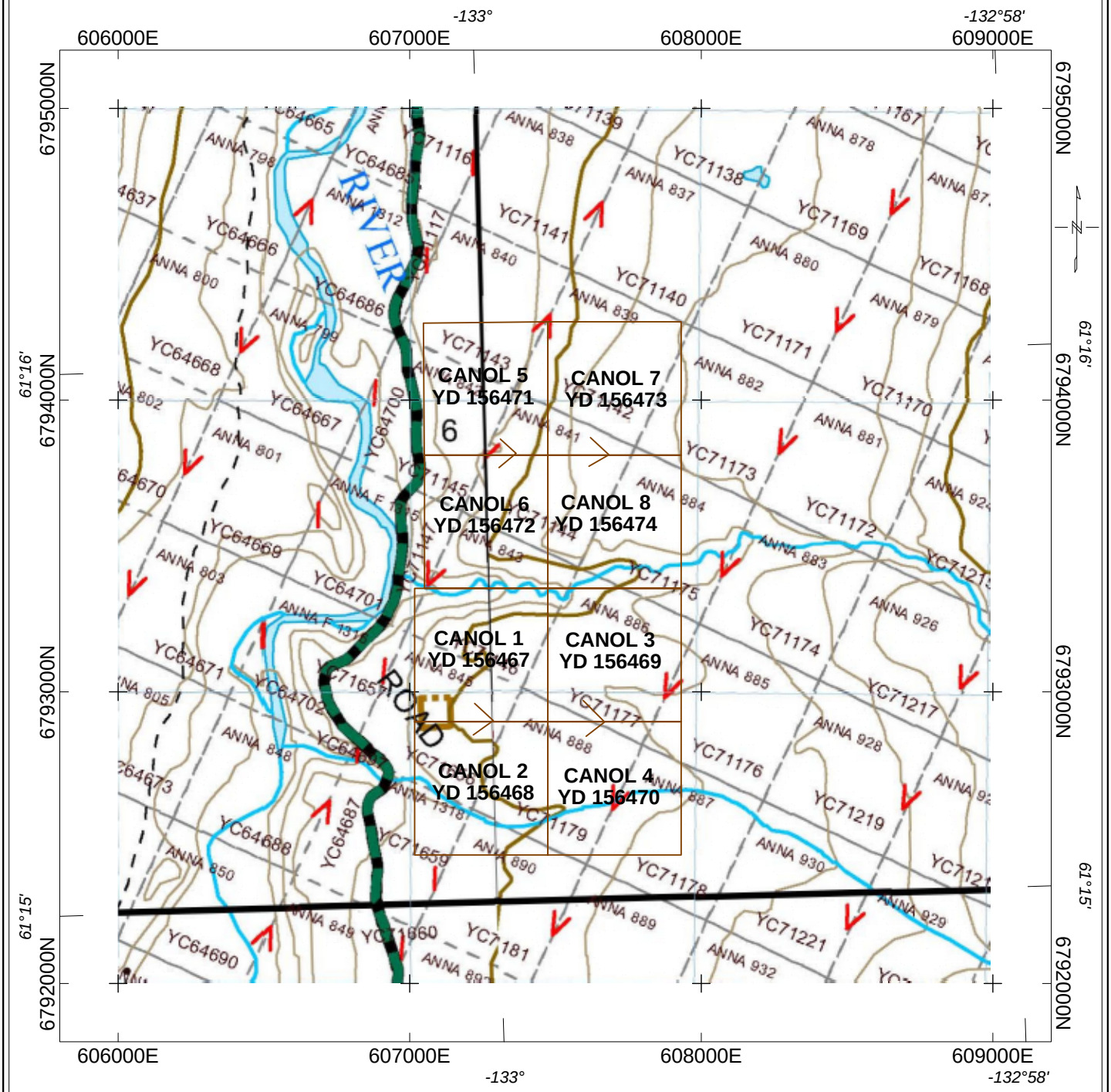
The claims are owned 25% by Panarc Resources Ltd. and 75% by 7606 Yukon Ltd. through pending transfers in possession of the company. The claims can be maintained in good standing indefinitely by performing $100 per claim per year of assessment work or paying the same amount in lieu and paying associated filing fees of $10 per claim. The claims are located on Crown Land and surface rights are retained by the Crown.

[1] Claim information as of 07 Oct 11 as posted on the Yukon Mining Recorders website (www.yukonminingrecorders.ca). Claim expiry dates do not reflect the value of work documented in this report.



100000 0 100000
(meters)

PANARC RESOURCES LTD.	
CANOL GOLD PROPERTY **Figure 1. Claim Block Location Map**	
NTS: 105 F 6/7 & 11 Datum: NAD83 Job: PRL-11546-YT	Mining District: Whitehorse Projection: UTM Zone 8N Date: 14 Oct 11
AURORA GEOSCIENCES LTD.	



Scale 1:20000

250 0 250

(meters)

NAD83 / UTM zone 8N

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CANOL GOLD PROPERTY
CANOL CLAIMS
Figure 2. CANOL Claims location map

NTS: 105 F 6/7
Datum: NAD83
Job: PRL-11546-YT

Mining Districts: Watson / Whitehorse
Projection: UTM Zone 8N
Date: 05 Jul 11

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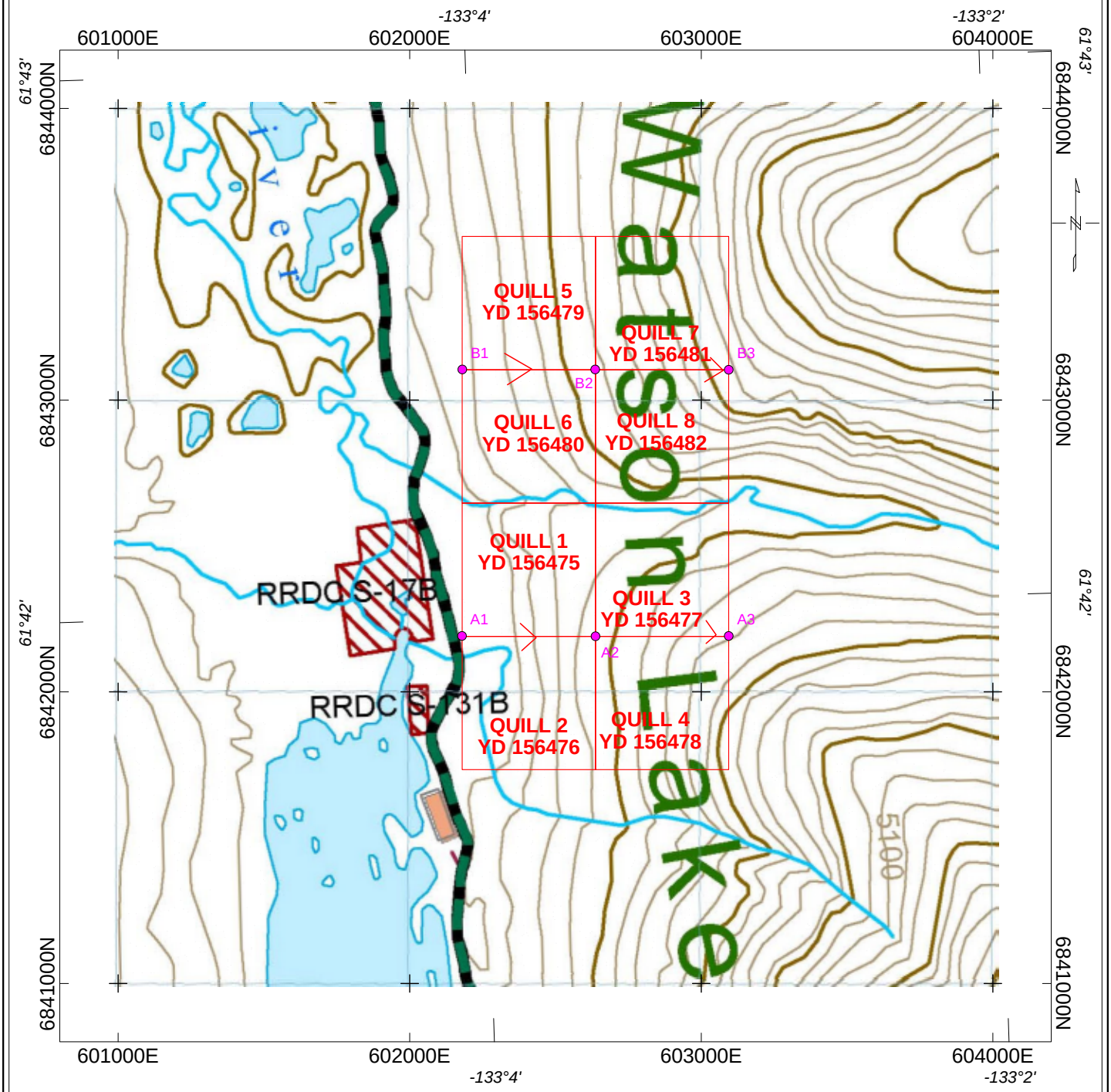

Scale 1:20000

250 0 250

(meters)

NAD83 / UTM zone 8N

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CANOL GOLD PROPERTY
QUILL CLAIM BLOCK
Figure 2. QUILL Claim locations

NTS: 115 F 11
Datum: NAD83
Job: PRL-11546-YT

Mining District: Watson Lake
Projection: UTM Zone 8N
Date: 04 Jul 11

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4.0 EXPLORATION HISTORY

The Canol Gold Property covers two placer gold occurrences noted by the late Pete Risby. The Canol Claims are centred on Canol Creek, a tributary of the Rose River north of Quiet Lake. Pete indicated that there was flour gold in the river both upstream and downstream from Canol Creek and that the concentration of gold was strongest in the Canol Creek area. The Quill Claims are located on Porcupine Creek near Lapie Lakes. Pete indicated that this area had been explored in the 1930's and there were old shafts on the creek. Neither of these gold occurrences are documented in the Yukon Placer Minfile.

5.0 PHYSIOGRAPHY & CLIMATE

The Canol Property is located in the Yukon Plateau. Topography in the area of the Canol Claims is subdued with elevations ranging from 880 to 980 m. The greatest relief occurs in a small canyon along Canol Creek. The property is below treeline and is covered by black spruce and willow swamp. Outcrop is nearly absent except in the creek canyon and frost, likely permafrost, was encountered in a single sample site at the eastern end of the southern soil line on Canol Creek.

Topography in the area of the Quill Claims is locally steep with elevations ranging from 800 to 1500 m. The greatest relief occurs in the canyon along Porcupine Creek. Most of the property is below treeline and is covered by black spruce and willow swamp; alpine fir and alder are common near treeline. Discontinuous outcrop occurs in the banks of Porcupine Creek along its length.

The climate in the property area consists of long, cold winters, short dry summers and short spring and fall seasons. At Ross River, the closest nearby community, temperatures range from -27^{0}C (January) to 14^{0}C (July) and precipitation averages 16.1 cm annually.

6.0 REGIONAL GEOLOGY

The regional geology in the area of the claim groups is summarized by Gordey & Makepeace (1999). At Canol Creek, the Canol Claims are underlain by Carboniferous to Permian metavolcanic rocks mapped regionally as basalts, andesites and diorites (Unit **CPA1**). The Quill Claims on Porcupine Creek are underlain by Cambro-Ordovician black argillite and phyllite (Unit **COK1**) cut by numerous quartz-carbonate veins, some of which carry a few percent cubic to massive pyrite. There are several types of cross-cutting veins present forming an extensive ladder work. Some veins appear to be fracture filled while others show evidence of shearing.

7.0 DESCRIPTION OF WORK PROGRAM

This section describes prospecting and geochemical investigations conducted on the Canol Gold Property in July 2011.

7.1 Personnel & equipment.

The work program was conducted by the following personnel:

Crew chief:	Mike Power
Field assistants:	Luke Power (July 1-7) Tomas Kalkowski (July 28-31)

The crew were equipped with the following instruments and equipment:

Instruments:	2 - Garmin NDGPS receivers
Equipment:	1 - 2 man camp (July 1-7) 1 - 2 KW generator 1 - Satellite phone 2 - VHF radios
Vehicles:	1 - 1 Ton truck (July 1-7) 1 - 1 Ton truck and camper (July 29-31)

The survey log in Appendix B includes the names and addresses of all persons employed and a detailed description of daily operations. A statement of costs is compiled in Appendix C.

7.2 Specifications.

Placer prospecting and geochemical surveys were conducted according to the following specifications:

Geographic datum:	NAD83 Zone 8N UTM (metric)

Station location:	WAAS corrected (where available) GPS positioning with each reading averaged at least 20 times.	
Station records:	*Placer testing:*	Location, number of colours per pan
	Geochemical stations:	Soil type and site conditions, location
Sample marking:	All samples were marked with blue and orange flagging. The sample number was written on a portion of the flagging covered from weather and sunlight.	

7.3 Sample analysis.

Placer sampling was conducted by taking a full pan of representative gravel, reducing the sample by panning to a black sand tail and by counting the number of gold pieces visible with a hand lens.

Soil geochemical samples were collected from the B or C horizons, placed in Kraft bags and submitted to Acme Analytical Laboratories for analysis. Samples were prepared and analyzed using the following procedures:

- Dry samples at 60^0 C
- Sieve to collect 100 g passing through a -80 mesh
- Digest sample with Aqua Regia
- Analyze using ICP-MS (Ultratrace)

Rock samples were also submitted to Acme. Samples were prepared and analyzed using the following procedures:

- Initial crush of 1 kg to 80% passing through a -10 mesh screen
- 500 g split of the initial crush
- Pulverize the sample until 85% passes a -200 mesh screen
- Split a 15 g sample from the pulp
- Digest the sample using Aqua Regia
- Analyze using ICP-MS (Ultra Trace) package

7.4 Data.

Digital data including rock and soil sample summary spread sheets are appended to this report on the USB data stick at the back of the report. Hard copies of the summary spreadsheets are included in Appendix D. Assay certificates are located in Appendix E. Sample locations are plotted in Figures S-1 and S-2 while geochemical responses for gold, silver, arsenic, antimony and bismuth are plotted in Figures G-1 to G-10.

8.0 RESULTS

The results of the soil geochemical surveys and placer prospecting are summarized herein by claim group:

Canol Creek

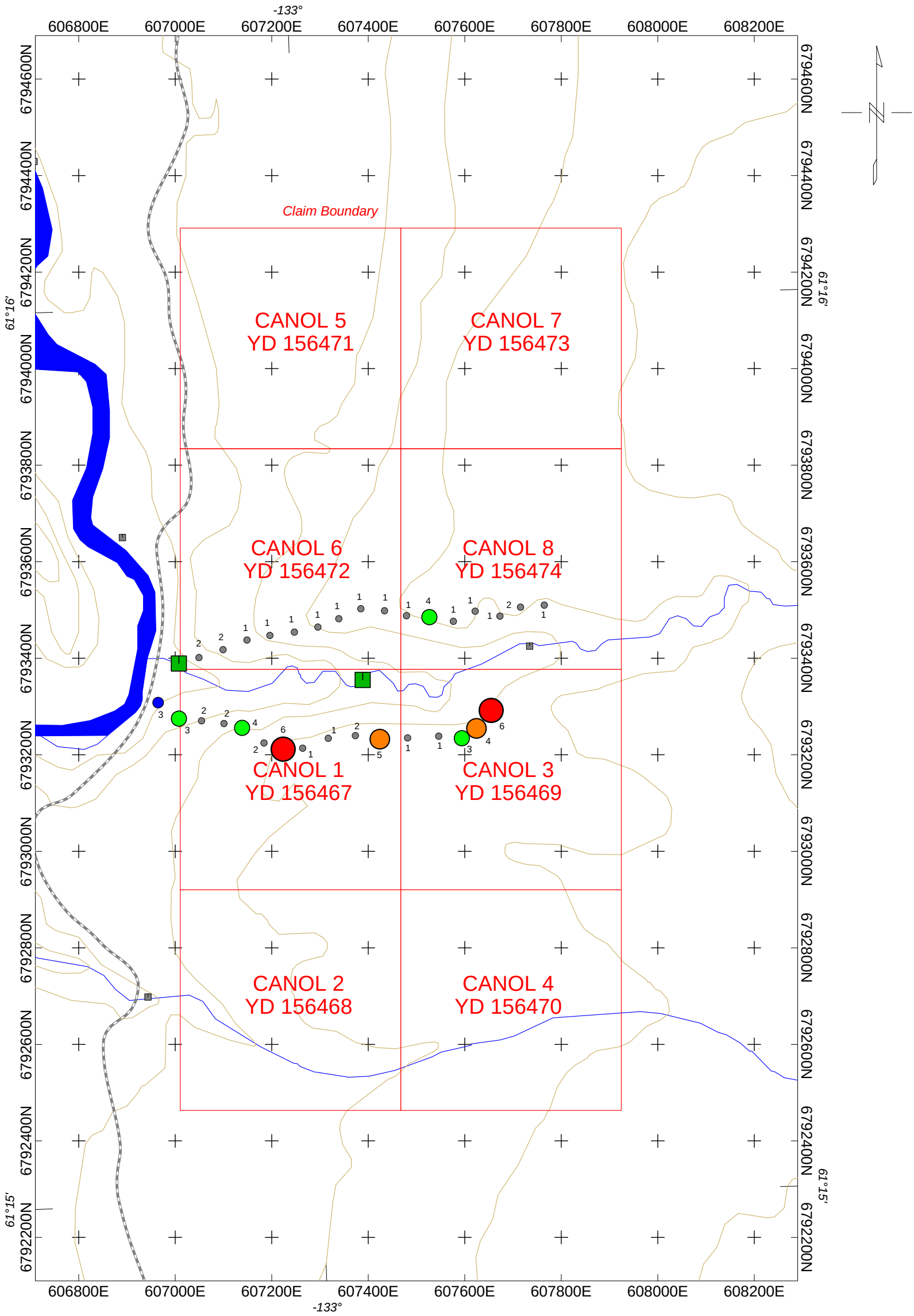
Placer testing along the Rose River located fine gold (<0.5 mm) in the lower reaches of Canol Creek. Additional samples were taken up Canol Creek until pan samples showed no gold. This occurred above a canyon formed by bedrock incision exposing Carboniferous to Permian metavolcanic rocks mapped regionally as basalts, andesites and diorites.

Soil geochemical surveys run along the north and south banks of Canol Creek. There is a marked difference in response on either side of the creek with samples to the north showing a lower and less variable response than samples to on the south side. Geochemical responses for most elements are flat along the north line and this suggests that this is likely a sampling error caused by taking samples from too shallow a depth. The results from the south side appear to delineate very weak anomalous associated responses in gold (peak - 6 ppb), silver (115 ppb), arsenic (21 ppm) and antimony (1.0 ppm) from two areas.

A few rock samples from float and bedrock were collected during the soil geochemical survey; none of these returned values greater than 3 ppb Au and one sample (CT-08) returned 420 ppb Ag.

Quill Creek

Placer testing along Porcupine Creek located fine gold at the culvert where the creek crosses the South Canol Highway which continues upstream to just above a canyon incised through bedrock. Exposed in the canyon are Cambro-Ordovician black argillite and phyllite cut by numerous quartz-carbonate veins, some of which carry a few percent cubic to massive pyrite. There are several types of cross-cutting veins forming an extensive ladderwork. Some veins appear to be fracture filled while others show



Gold in Soils (ppb)

- > 5
- 4 - 5
- 3 - 4
- 2 - 3
- < 2

Placer Gold

(# colors / pan)

- > 6
- 3 - 6
- 1 - 3
- < 1

Scale 1:9000

100 0 100 200 300

(meters)

NAD83 / UTM zone 8N

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PETE RISBY'S TARGETS
Canol Creek
Figure G-1. Gold soil geochemical response

NTS: 105 F 6&7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

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-133°

606800E 607000E 607200E 607400E 607600E 607800E 608000E 608200E

6794600N 6794400N 6794200N 6794000N 6793800N 6793600N 6793400N 6793200N 6793000N 6792800N 6792600N 6792400N 6792200N

61°16' 61°15'

Claim Boundary

CANOL 5
YD 156471

CANOL 7
YD 156473

CANOL 6
YD 156472

CANOL 8
YD 156474

CANOL 1
YD 156467

CANOL 3
YD 156469

CANOL 2
YD 156468

CANOL 4
YD 156470

87 66 25 20 46 12 3 13 31 23 19 26 47 18 55 66

101 85 79 101 34 20 21 31 66 32 21 27 115 59 86 113

606800E 607000E 607200E 607400E 607600E 607800E 608000E 608200E

-133°

Ag in soils (ppb)

- > 300
- 200 - 300
- 100 - 200
- 50 - 100
- 20 - 50
- < 20

Placer Gold

(# colors / pan)

- > 6
- 3 - 6
- 1 - 3
- < 1

Scale 1:9000

100 0 100 200 300

(meters)

NAD83 / UTM zone 8N

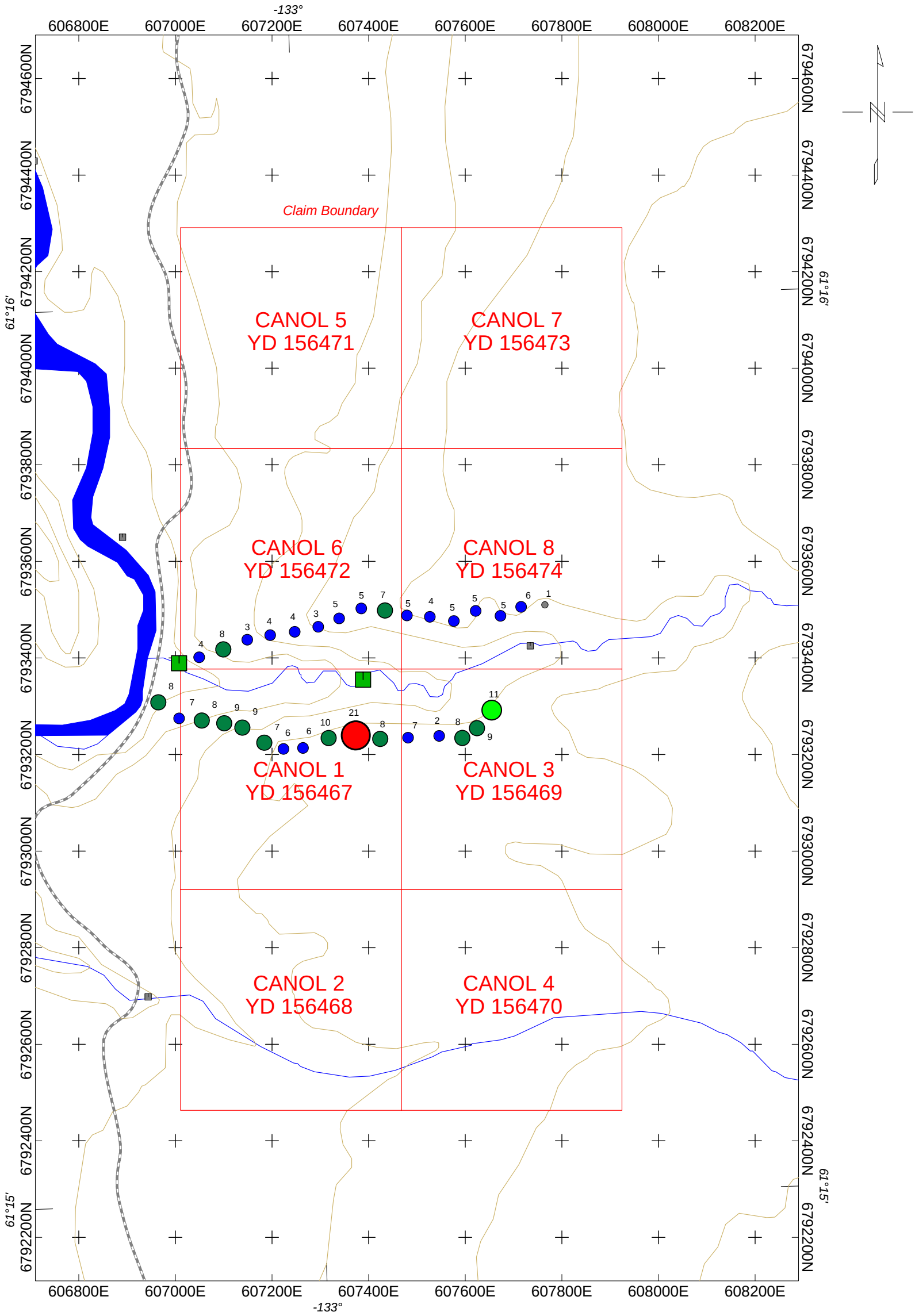
PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Canol Creek
Figure G-2. Silver soil geochemical response

NTS: 105 F 6&7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Arsenic in soils

(ppm)

- > 20
- 15 - 20
- 10 - 15
- 7 - 10
- 2 - 7
- < 2

Placer Gold

(# colors / pan)

- > 6
- 3 - 6
- 1 - 3
- < 1

Scale 1:9000

100 0 100 200 300

(meters)

NAD83 / UTM zone 8N

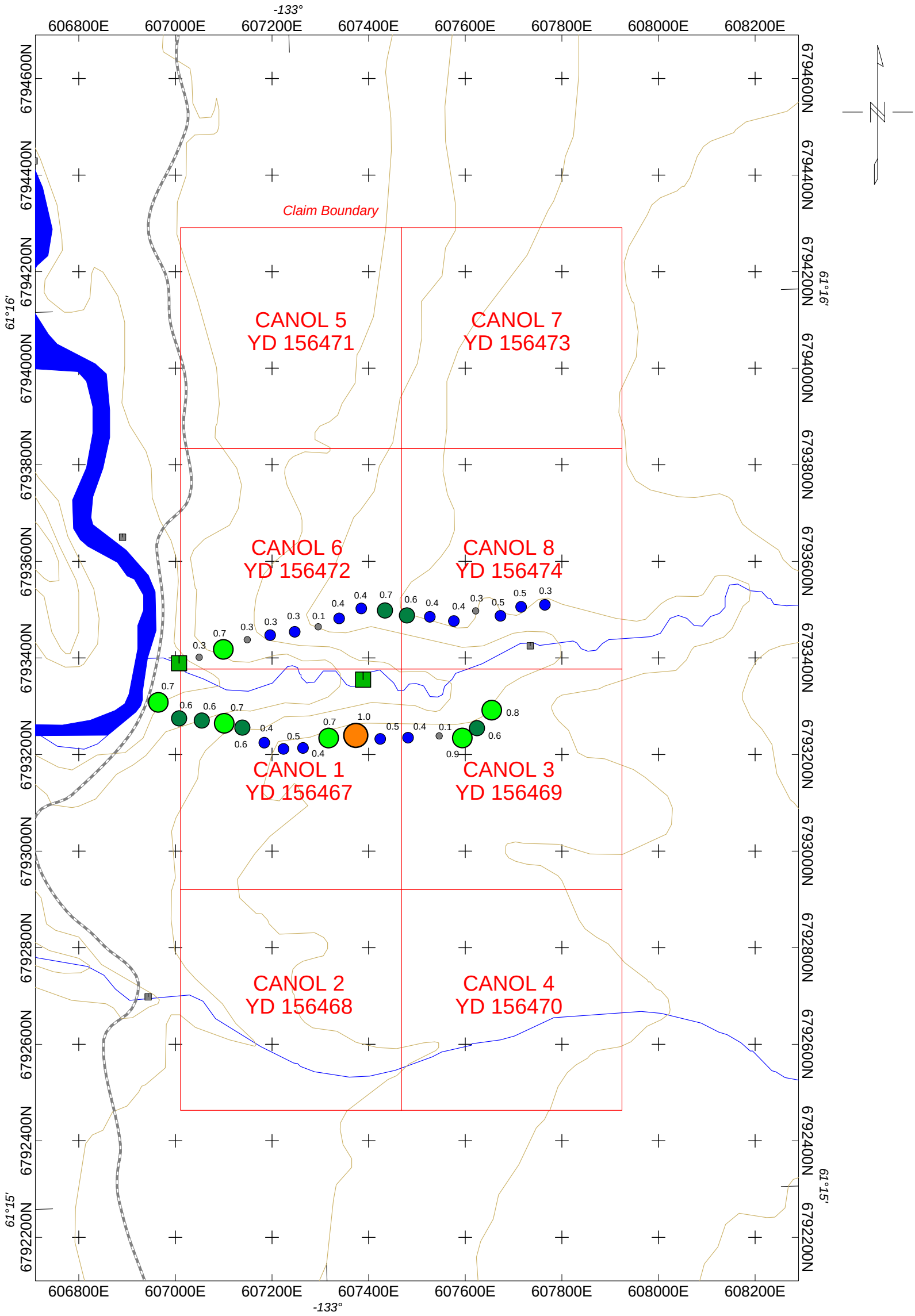
PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Canol Creek
Figure G-3. Arsenic soil geochemical response

NTS: 105 F 6&7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Antimony in soils

(ppm)

- > 1.2
- 0.9 - 1.2
- 0.7 - 0.9
- 0.5 - 0.7
- 0.3 - 0.5
- < 0.3

Placer Gold

(# colors / pan)

- > 6
- 3 - 6
- 1 - 3
- < 1

Scale 1:9000

100 0 100 200 300

(meters)

NAD83 / UTM zone 8N

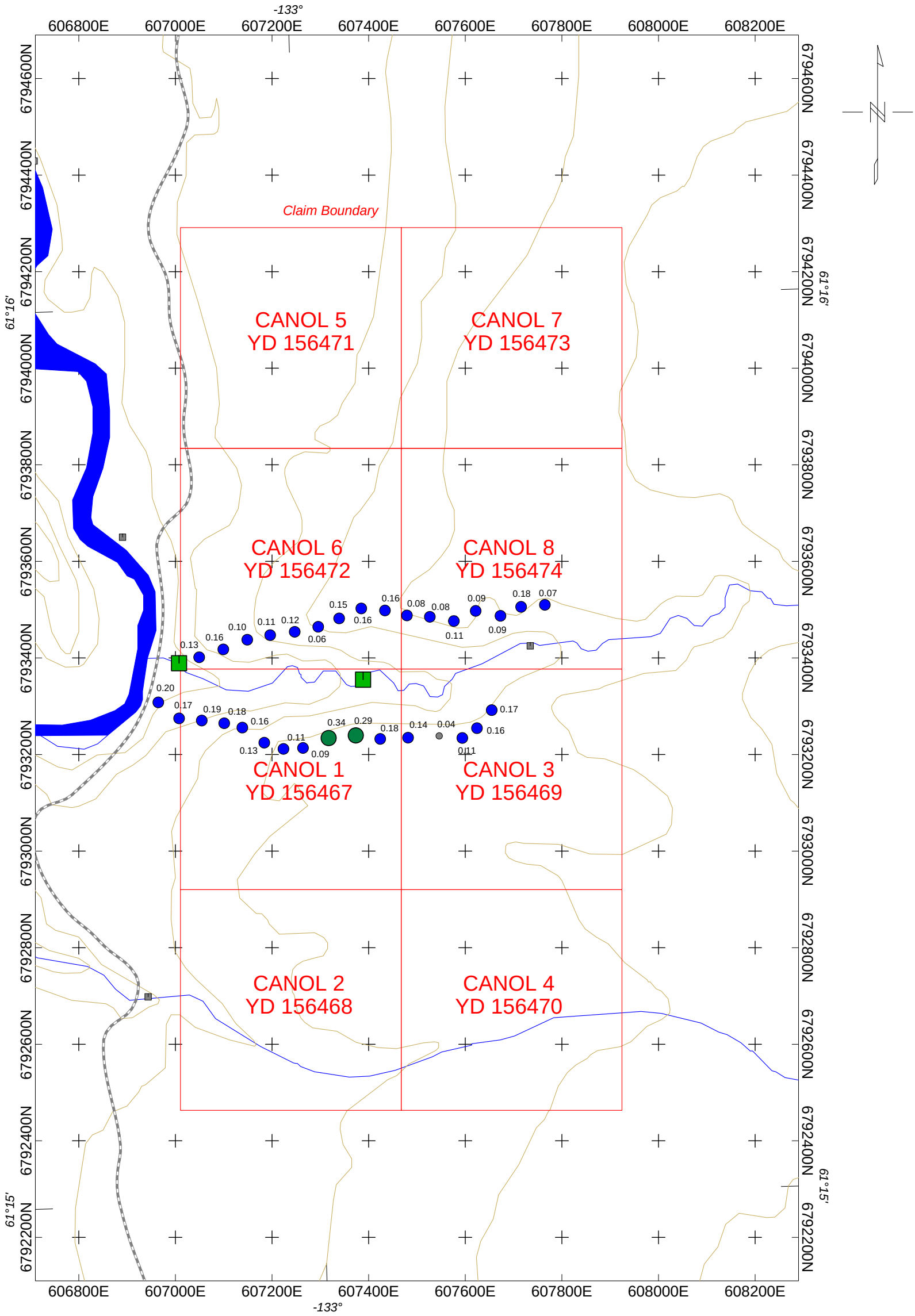
PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Canol Creek
Figure G-4. Antimony soil geochemical response

NTS: 105 F 6&7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Bismuth in soils

(ppm)

>	0.8
0.6 -	0.8
0.4 -	0.6
0.2 -	0.4
0.05 -	0.2
<	0.05

Placer Gold

(# colors / pan)

>	6
3 -	6
1 -	3
<	1

Scale 1:9000

100 0 100 200 300

(meters)

NAD83 / UTM zone 8N

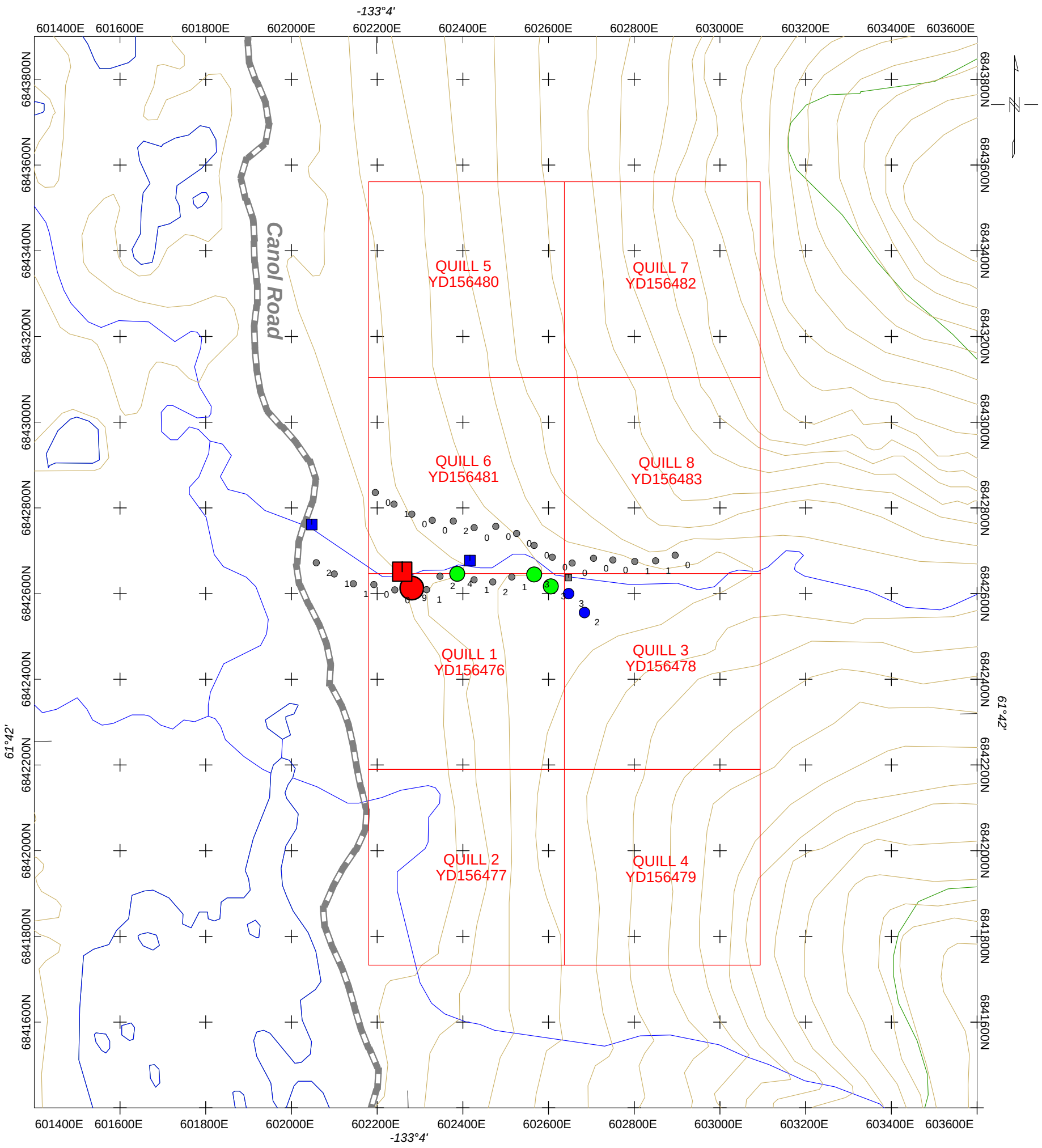
PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Canol Creek
Figure G-5. Bismuth soil geochemical response

NTS: 105 F 6&7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Gold in Soils
(ppb)

- > 5
- 4 - 5
- 3 - 4
- 2 - 3
- < 2

Placer Gold
(# colours / pan)

- > 6
- 3 - 6
- 1 - 3
- < 1

Scale 1:10000

100 0 100 200 300 400

(meters)

NAD83 / UTM zone 8N

Contour interval - 100 feet

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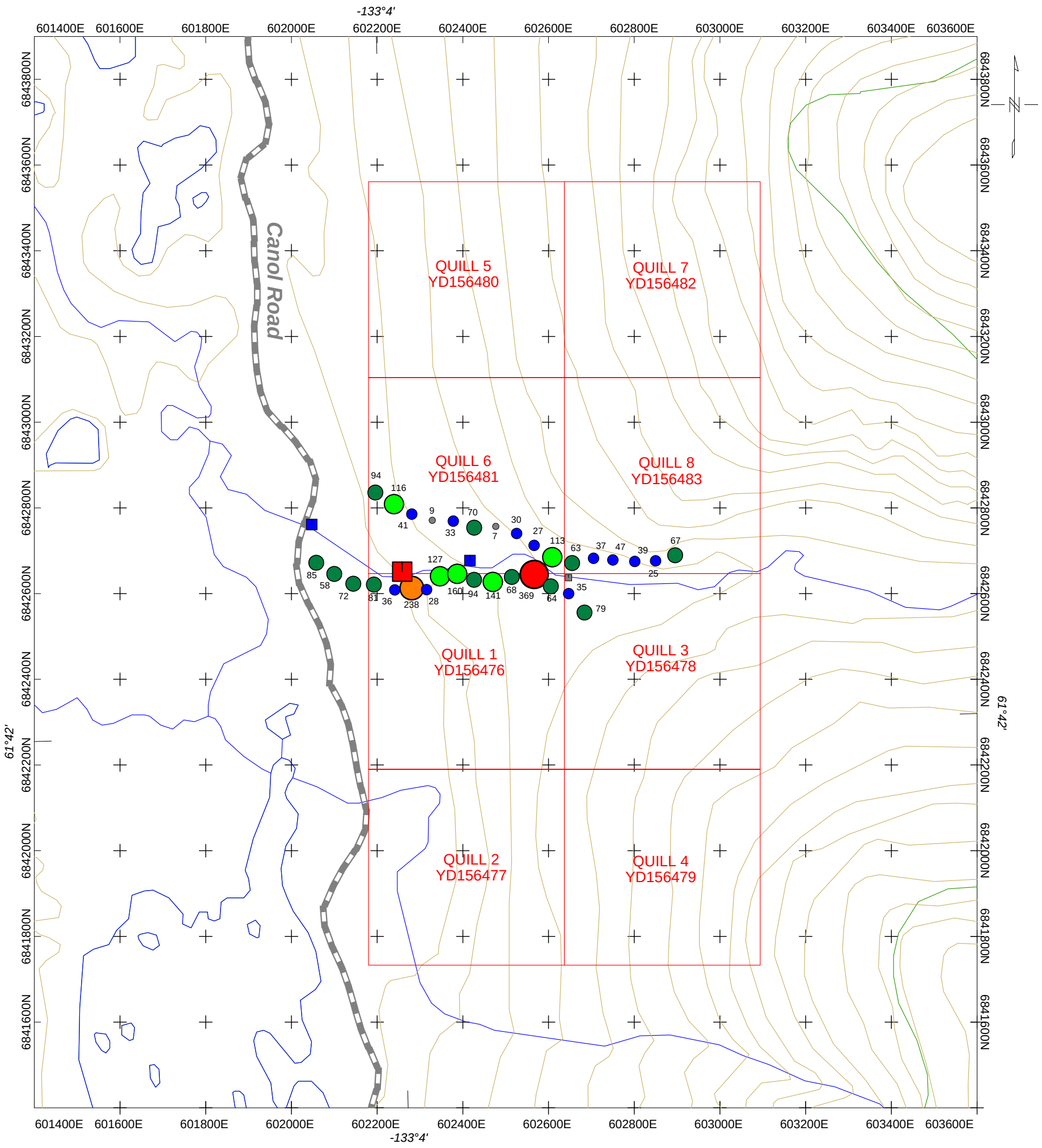
PETE RISBY'S TARGETS
Porcupine Creek
Figure G-6. Gold soil geochemical response

NTS: 105 F 2/3/6/7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Whitehorse / Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Silver in soils

(ppb)

- > 300
- 200 - 300
- 100 - 200
- 50 - 100
- 20 - 50
- < 20

Placer Gold

(# colours / pan)

- > 6
- 3 - 6
- 1 - 3
- < 1

Scale 1:10000

100 0 100 200 300 400

(meters)

NAD83 / UTM zone 8N

Contour interval - 100 feet

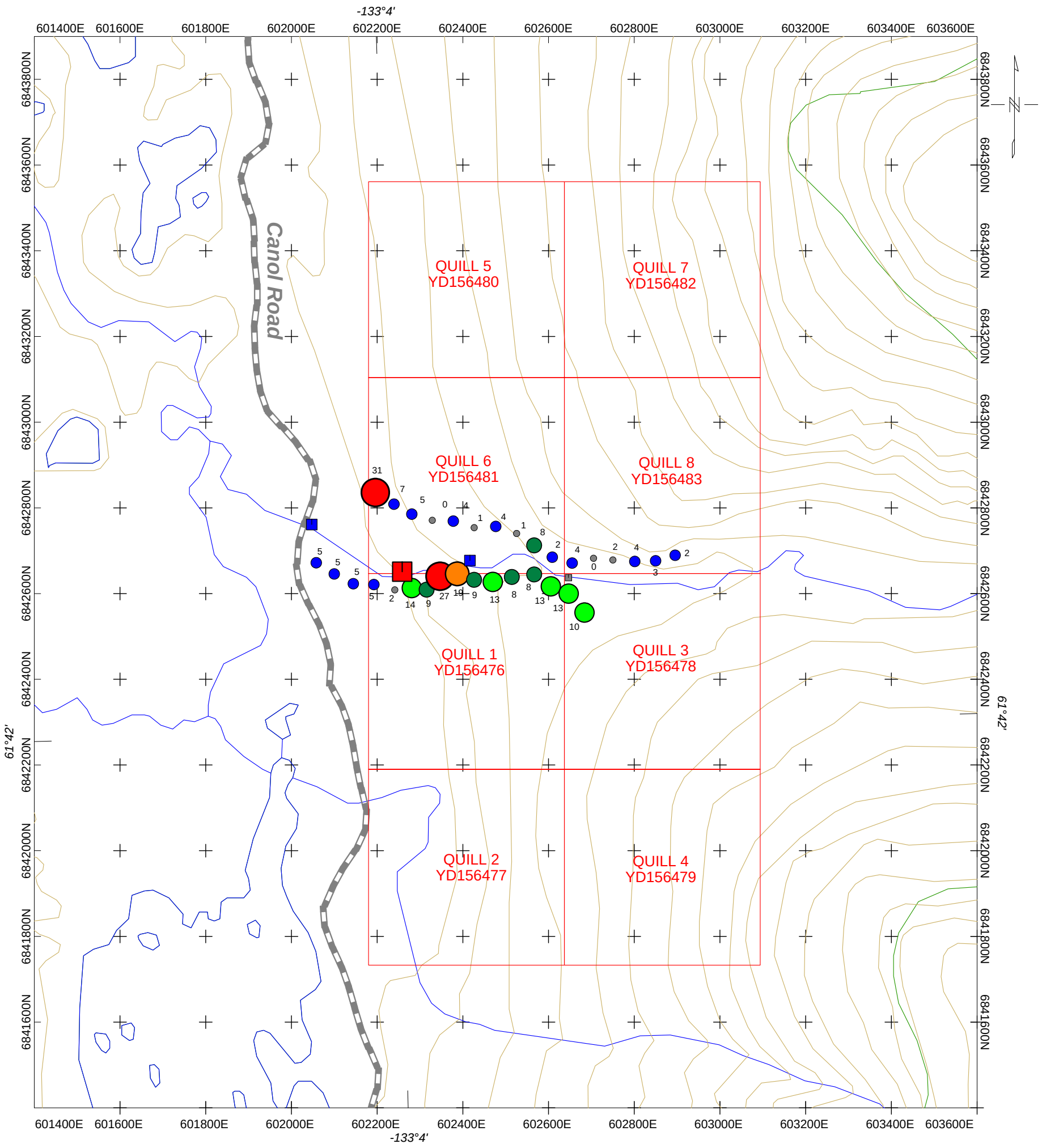
PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Porcupine Creek
Figure G-7. Silver soil geochemical response

NTS: 105 F 2/3/6/7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Whitehorse / Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Arsenic in soils

(ppm)

- > 20
- 15 - 20
- 10 - 15
- 7 - 10
- 2 - 7
- < 2

Placer Gold

(# colours / pan)

- > 6
- 3 - 6
- 1 - 3
- < 1

Scale 1:10000

100 0 100 200 300 400

(meters)

NAD83 / UTM zone 8N

Contour interval - 100 feet

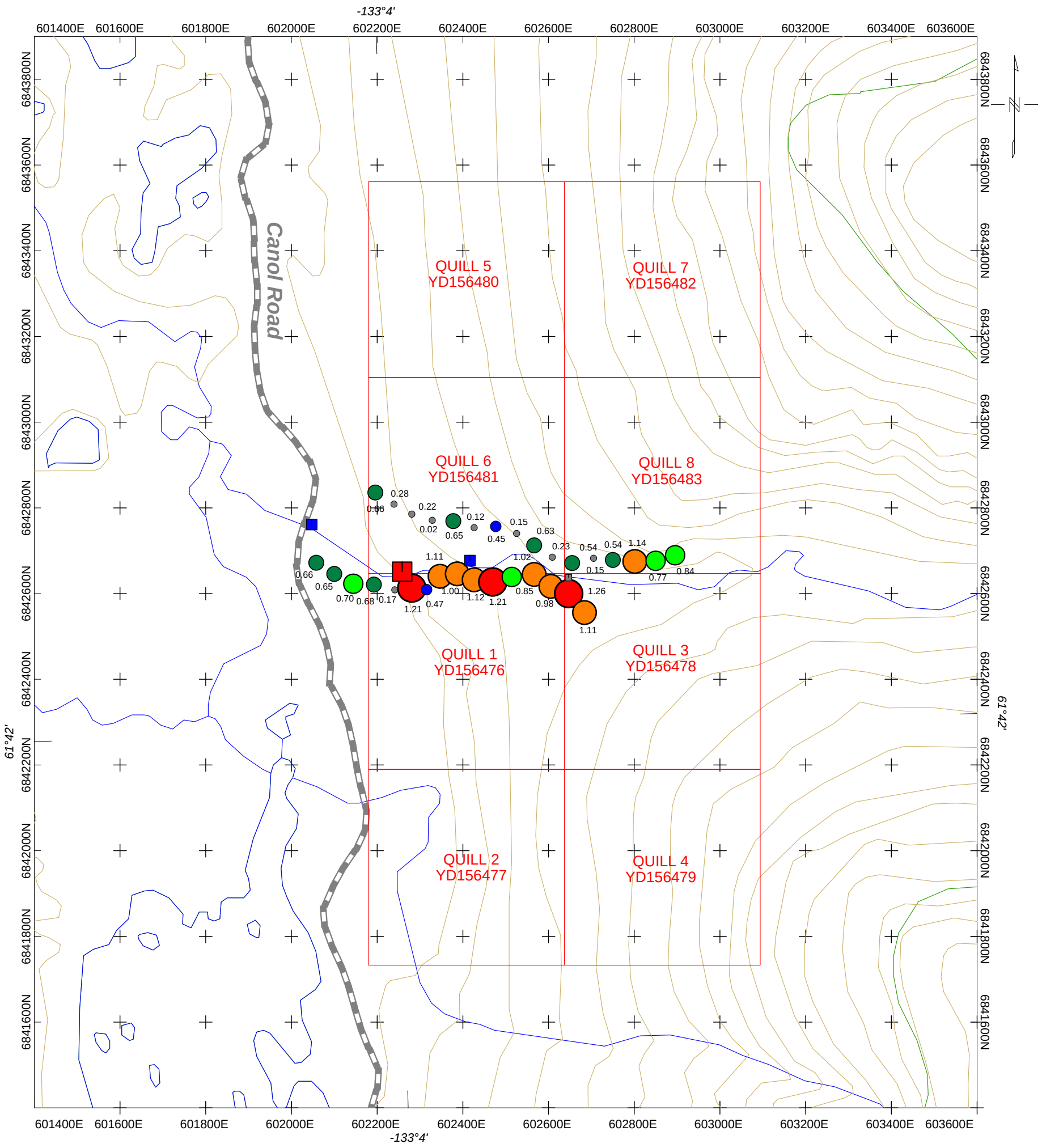
PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Porcupine Creek
Figure G-8. Arsenic soil geochemical response

NTS: 105 F 2/3/6/7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Whitehorse / Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Antimony in soils

(ppm)

>	1.2
0.9 -	1.2
0.7 -	0.9
0.5 -	0.7
0.3 -	0.5
<	0.3

Placer Gold

(# colours / pan)

>	6
3 -	6
1 -	3
<	1

Scale 1:10000

100 0 100 200 300 400

(meters)

NAD83 / UTM zone 8N

Contour interval - 100 feet

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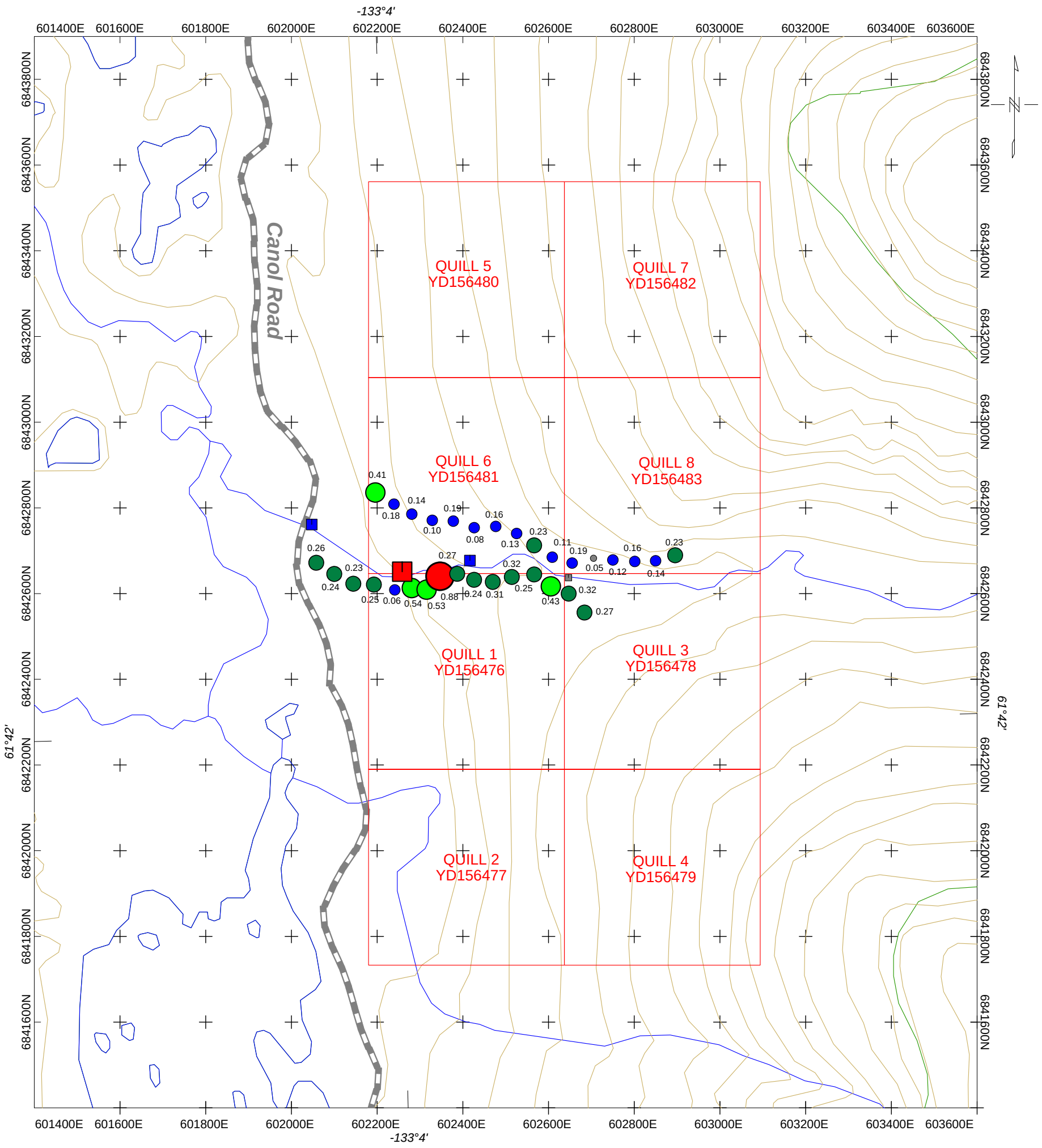
PETE RISBY'S TARGETS
Porcupine Creek
Figure G-9. Antimony soil geochemical response

NTS: 105 F 2/3/6/7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Whitehorse / Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Bismuth in soils

(ppm)

>	0.8
0.6 -	0.8
0.4 -	0.6
0.2 -	0.4
0.05 -	0.2
<	0.05

Placer Gold

(# colours / pan)

>	6
3 -	6
1 -	3
<	1

Scale 1:10000

100 0 100 200 300 400

(meters)

NAD83 / UTM zone 8N

Contour interval - 100 feet

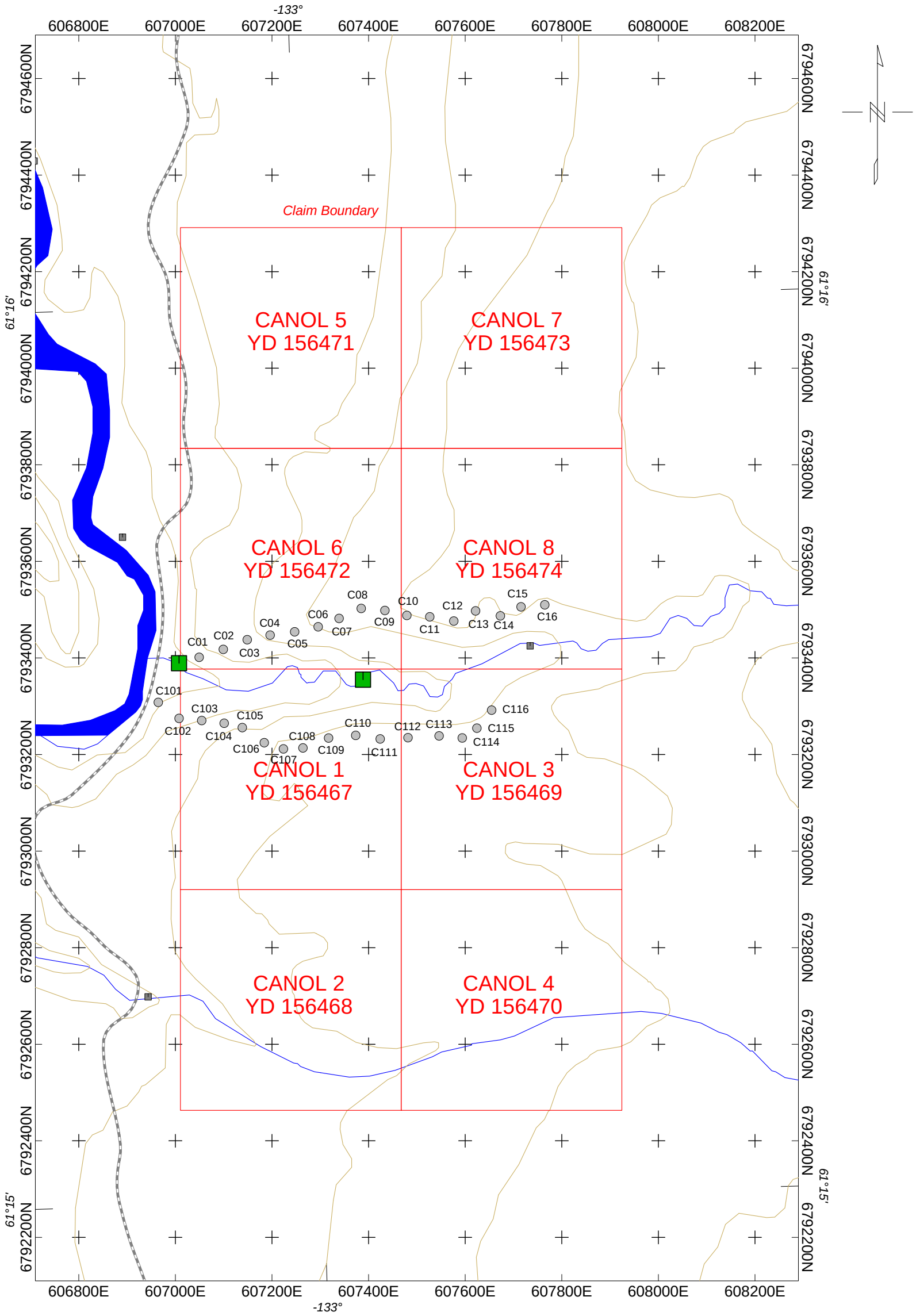
PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Porcupine Creek
Figure G-10. Bismuth soil geochemical response

NTS: 105 F 2/3/6/7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Whitehorse / Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Placer Gold

(# colors / pan)

- > 6
- 3 - 6
- 1 - 3
- < 1

Scale 1:9000

100 0 100 200 300

(meters)

NAD83 / UTM zone 8N

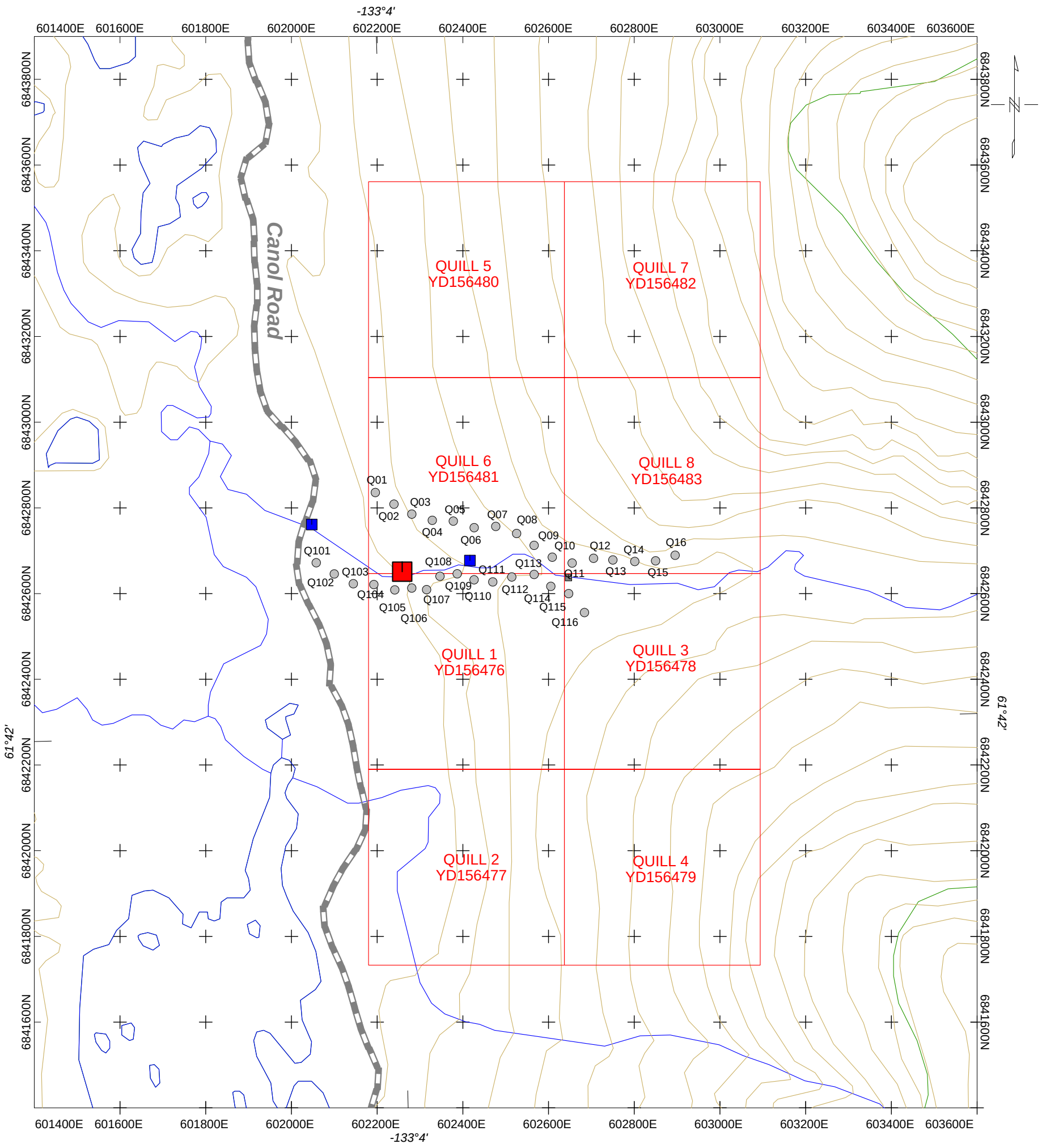
PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Canol Creek
Figure S-1. Soil geochemical sample locations

NTS: 105 F 6&7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.



Placer Gold

(# colours / pan)

>	6
3 -	6
1 -	3
<	1

Scale 1:10000

100 0 100 200 300 400

(meters)

NAD83 / UTM zone 8N

Contour interval - 100 feet

PANARC RESOURCES LTD.

PETE RISBY'S TARGETS
Porcupine Creek
Figure S-2. Soil geochemical sample locations

NTS: 105 F 2/3/6/7
Datum: NAD 83
Job: PRL-11546-YT

Mining Districts: Whitehorse / Watson
Projection: Zone 8N UTM
Date: 19 Sep 11

AURORA GEOSCIENCES LTD.

evidence of shearing. The best placer results were obtained from a pool at the base of a waterfall at the terminus of the canyon where numerous colours, some up to 0.5 mm, were noted in the pan samples.

As at Canol Creek, soil geochemical surveys were run along the north and south banks of Quill Creek. The same apparent sampling error along the north line noted at Canol Creek is repeated here; results from the north side of the creek are lower in amplitude and show less variance than those from the southern side of the creek. On the south line there is a very weak associated soil geochemical response in gold (peak - 9 ppb), silver (369 ppb) and arsenic (27 ppm) with less focused antimony and bismuth responses. The anomaly is centred on west end of the creek above the lower reaches of the canyon where the best placer gold response was found although the strong placer response is likely due to concentration below the waterfall.

A few rock samples from float and bedrock were collected during the soil geochemical survey; none of these returned values greater than 3 ppb Au.

9.0 CONCLUSIONS

The results of the prospecting and geochemical surveys conducted to date on the Canol Property support the following conclusions:

Canol Claims

a. Fine placer gold is present on Canol Creek from its confluence with Rose River east up the creek to above a bedrock canyon. Above this point no gold was found in placer samples.

b. Very weak associated soil geochemical responses in gold, silver, arsenic and antimony occur along the soil line south of the creek. The lack of a geochemical response on the north bank of the creek both in amplitude and variance appears to reflect shallow soil sampling.

Quill Claims

c. Fine placer gold is present along Porcupine Creek from the point where it crosses the South Canol Highway east to above a bedrock canyon. Above this point no placer gold was found in placer samples.

d. Very weak associated soil geochemical responses in gold, silver and arsenic occur along the soil line south of Porcupine Creek. The lack of a geochemical response on the north bank of the creek both in amplitude

and variance appears to reflect shallow soil sampling.

Both Canol and Porcupine Creeks are in glaciated terrain. On both creeks, samples of recent gravels returned fine gold in panned concentrate immediately below bedrock canyons and showed no gold above the bedrock canyons. There is no evidence of preserved pre-glacial gravels in the canyons on either creek which might serve as a local source of fine gold. Despite the fact that the properties lie in glaciated terrain, there are weak multi-element geochemical anomalies associated with very weak gold response along the banks of the creeks. Taken together, this evidence suggests that the placer gold found in the creeks is being derived from proximal bedrock sources.

10.0 RECOMMENDATIONS

The following recommendations, based on the conclusions of this report are made for additional work on this property:

a. Grid soil geochemical, magnetometer and VLF-EM surveys should be conducted on the claim blocks.

b. Upon completion of these surveys, geological mapping and prospecting should be conducted to attempt to locate a bedrock source for the gold found in the creeks.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

Mike Power M.Sc. P.Geo.
Geologist

REFERENCES CITED

Gordey, S. P. and A. J. Makepeace (1999). Yukon Digital Geology. Geological Survey of Canada Open File D3826.

APPENDIX A. CERTIFICATE

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

1. I am a member of 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).

2. 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.

3. I have been actively involved in mineral exploration the Northern Cordillera since 1988.

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

Dated this 10th day of October, 2011 in Whitehorse, Yukon.

Respectfully Submitted,

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

APPENDIX B. SURVEY LOG

JOB 11546-YT CANOL GOLD
PROJECT LOG

Tue 28 Jun 11	*Preparation:* MP and LP prepared camp gear in Whitehorse.
Wed 29 Jun 11	*Mobe:* Left Whitehorse in the early morning, drove to Rose Creek, set up camp.
Thu 30 Jun 11	*Prospecting:* Stream sediment sampled up and down Rose Creek, found fine gold on Canol Creek. Sampled up the creek until cutoff and then sampled the creek to the south.
Fri 01 Jul 11	*Prospecting:* Drove to Porcupine Creek and began sampling. Found good gold at the base of the falls and panned up the creek until cutoff. Returned to camp mid-PM and then went to Whitehorse to retrieve claim tags, returning about 2200 hrs. Brake line problems on the way back in.
Sat 02 Jul 11	*Staking:* Staked Canol claims and returned to Whitehorse.
Tue 05 Jul 11	*Staking:* Drove from Whitehorse, staked Quill Claims, returned.
Thu 28 Jul 11	*Mobe:* MP and TK picked up and loaded a rental camper, picked up groceries and concentrator. Left town in the late afternoon and arrived at Rose Creek by 2200 hrs. Set up camp.
Fri 29 Jul 11	*Soil sampling:* Sampled the Canol Claims. Packed up and moved to Porcupine Creek in the late afternoon.
Sat 30 Jul 11	*Soil sampling:* Sampled the Quill Claims.
Sun 31 Jul 11	*Demobe:* Packed up the camp in the early morning and drove back to Whitehorse via Ross River.

<u>Personnel:</u>

Mike Power
1 Bates Crescent
Whitehorse, YT

Luke Power
1 Bates Crescent
Whitehorse, YT

Tomas Kalkowski
34A Laberge Road
Whitehorse YT

APPENDIX C. STATEMENT OF COSTS

STATEMENT OF COSTS
(July 28-31, 2011 only)

Geologist: M. Power - 4.0 days @ $600	$2,400
Assistant: T. Kalkowski - 4.0 days @ $350	$1,400
Field equipment: Sampling, GPS, radios, 4.0 days @ $20	$80
Camper & truck: 4.0 days @ $185	$740
Groceries:	$280
Gas:	$220
Analyses: (64 soils / 14 rocks)	$2,380
Report:	$1,200
Total project expenditures:	$8,700

I certify that these costs are true and correct to the best of my knowledge.

Michael A. Power, P.Geo.
Geologist

APPENDIX D. SAMPLE SPREADSHEETS

Sample	Sampler	UTME (NAD83 Z8N)	UTMN (NAD83 Z8N)	Description	Au PPB 0.2
C01	TK	607049	6793401	no report	2
C02	TK	607099	6793418	no report	1.7
C03	TK	607149	6793438	no report	0.8
C04	TK	607196	6793447	no report	0.9
C05	TK	607247	6793454	no report	0.5
C06	TK	607296	6793465	no report	1.4
C07	TK	607339	6793482	no report	1.3
C08	TK	607385	6793503	no report	1
C09	TK	607434	6793498	no report	1.2
C10	TK	607479	6793488	no report	0.6
C11	TK	607527	6793485	no report	3.7
C12	TK	607576	6793476	no report	0.9
C13	TK	607622	6793497	no report	1.3
C14	TK	607673	6793487	no report	1
C15	TK	607716	6793506	no report	2
C16	TK	607765	6793510	no report	0.9
C101	MP	606965	6793308	Brown, well drained, moderate N slope	2.9
C102	MP	607008	6793275	Brown-grey, 12", moderate N slope	3.4
C103	MP	607055	6793270	Brown, 12", moderate N slope, well drained	2
C104	MP	607101	6793265	Grey, 12", moderate N slope, rocks	1.7
C105	MP	607139	6793256	Brown, sandy, 12", moderate N slope	3.6
C106	MP	607184	6793225	Brown, 15", moderate W slope, well drained	1.9
C107	MP	607224	6793212	Brown, sandy soil, 15", moderate N slope, well drained	5.7
C108	MP	607264	6793214	Brown, 12", Flat, well drained	1.1
C109	MP	607317	6793234	Brown, sandy, 12", flat, well drained	1.3
C110	MP	607373	6793240	Brown, cobbles, 10"	1.7
C111	MP	607424	6793232	Brown, cobbles, 10", well drained, flat	4.9
C112	MP	607482	6793235	Light brown, some red, cobbles, 12", well drained, flat	0.9
C113	MP	607546	6793239	Grey & black mixture, very poor soil, bedrock schist beneate, 5", flat	1.1
C114	MP	607594	6793234	Brown, 10", poorly drained, gentle N dip	3.2
C115	MP	607624	6793255	Grey, frozen, 15", poorly drained, gentle N dip	4.3
C116	MP	607655	6793292	Mud from permafrost boil, 6", black-grey, very poorly drained, flat	5.7
Q01	TK	602196	6842836	no report	0.3
Q02	TK	602239	6842809	no report	1.3
Q03	TK	602281	6842785	no report	0.1
Q04	TK	602329	6842771	no report	0.3
Q05	TK	602378	6842769	no report	1.5
Q06	TK	602426	6842754	no report	0.1
Q07	TK	602477	6842757	no report	0.1
Q08	TK	602526	6842740	no report	0.1
Q09	TK	602566	6842713	no report	0.1
Q10	TK	602609	6842685	no report	0.1
Q11	TK	602655	6842671	no report	0.1
Q12	TK	602705	6842682	no report	0.1
Q13	TK	602750	6842678	no report	0.1
Q14	TK	602801	6842675	no report	0.8
Q15	TK	602850	6842676	no report	1.3
Q16	TK	602895	6842689	no report	0.2
Q101	MP	602058	6842672	Browy-grey, 8", flat, well-drained	1.6
Q102	MP	602100	6842646	Browy-grey, 8", flat, well-drained	0.7
Q103	MP	602144	6842623	Grey-brown, rock fragments, 12", flat, well drained	0.6
Q104	MP	602192	6842621	Grey, 15", well drained, flat	0.1
Q105	MP	602241	6842609	Light grey, sample contaminated with organics, 15" well drained, moderate N	0.1
Q106	MP	602281	6842613	Grey, abundant round rock fragments (till), 10", steep W slope, well drained	9.4
Q107	MP	602315	6842609	Reddish-brown, 15", flat, well drained	1.2
Q108	MP	602347	6842640	Reddish-brown, 12", well drained, moderate N dip	1.8
Q109	MP	602387	6842646	Brown, 8", beneath tree root, well drained, gentle N dip	3.8
Q110	MP	602426	6842632	Grey with red-brown, 8" rocks, well drained, steep W dip	0.7
Q111	MP	602470	6842627	Dark brown, abundant angular rock fragments, well drained, flat	1.6
Q112	MP	602514	6842639	Grey to reddish brown, 12" , well drained, moderate W dip	1.3
Q113	MP	602566	6842645	Red-brown, rock fragments, well drained, gentle N dip.	3.3
Q114	MP	602605	6842617	Grey to reddish brown, 12" , well drained, gentle N dip	3.1
Q115	MP	602647	6842600	Red-brown, rock fragments, 8", well drained, flat	2.5
Q116	MP	602684	6842556	Red-rown with angular rock fragments, 10", well drained, flat	2.3

Sample	Ag	As	Hg	Cu	Pb	Zn	Mo	Ni	Co	Mn	Fe	U	Th
	PPB	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM
	2	0.1	5	0.01	0.01	0.1	0.01	0.1	0.1	1	0.01	0.1	0.1
C01	87	4.4	17	8.67	4.75	30.8	0.76	18.4	5.4	195	1.18	0.3	1.5
C02	66	7.5	9	21.31	7.05	34.1	0.74	29.2	9.3	371	1.89	2.1	2.9
C03	25	3.3	10	4.11	3.91	18	0.48	13.3	3.9	86	1.06	0.2	1.2
C04	20	3.5	7	7.96	3.78	23.9	0.42	32.5	6.9	217	1.31	0.3	2.1
C05	46	3.9	9	6.75	4.14	23.5	0.43	31.3	6.8	122	1.34	0.4	2.5
C06	12	2.7	7	4.02	2.36	16.5	0.25	9	3	89	0.63	0.1	0.8
C07	3	5.2	2.5	8.27	5.62	32.3	0.74	25.1	7.1	132	1.52	0.6	2.6
C08	13	4.9	22	7.5	5.32	27	0.66	28.4	6.6	267	1.37	0.4	2.7
C09	31	7.4	6	29.07	6.58	38.7	0.78	37.8	10.4	208	1.97	0.5	3.8
C10	23	5.4	11	8.54	4.42	26.6	0.56	19.4	7	224	1.48	0.3	2.4
C11	19	3.9	10	6.71	4.2	27.2	0.55	18.4	5.3	239	1.29	0.2	1.7
C12	26	4.8	6	7.02	5.88	30.7	0.7	20.3	6.3	117	1.58	0.3	2.2
C13	47	4.5	15	7.57	4.88	23.7	0.41	11.9	3.7	130	0.97	0.3	1.7
C14	18	5.2	18	11.32	4.24	27.6	1.33	19.8	6.2	168	1.48	0.2	2
C15	55	6.2	18	11.5	5.47	28.9	0.7	22.4	7.8	224	1.68	0.3	2.5
C16	66	0.9	27	15.74	0.82	6.4	0.13	7.2	1.6	150	0.33	3.6	0.2
C101	101	7.6	28	29.32	11.64	58.5	0.73	33.9	10	431	2.25	0.6	7.5
C102	85	6.9	27	23.17	7.98	41	0.57	24.9	7.3	333	1.75	0.7	6.6
C103	79	7.5	33	24.28	8.84	51.6	0.58	28.3	8.9	421	2.06	0.7	7.1
C104	101	8.7	24	30.54	9.77	50.4	0.58	37.5	9.7	397	2.23	0.6	5.2
C105	34	9.1	2.5	18.42	8.53	37.5	0.87	36.7	9.5	246	1.92	0.6	4
C106	20	7.1	6	13.18	6.02	33.7	0.47	66.5	9.6	222	1.92	0.4	3.6
C107	21	6.4	10	15.03	7.73	31.5	0.59	63	10.6	247	1.8	0.6	3.3
C108	31	5.6	9	14.86	6.01	28.5	0.46	23.3	6.7	183	1.66	0.3	2.8
C109	66	10	2.5	11.29	23.17	35.1	1.22	25.8	8.9	221	2.08	0.7	4.2
C110	32	21.2	18	14.37	9.28	32.2	0.93	43.2	8	185	1.74	1	4.5
C111	21	8.4	2.5	16.26	7.23	30.3	0.77	39.2	7.9	253	1.73	0.6	3.6
C112	27	6.5	2.5	10.23	8.34	30.2	0.69	23	6.8	175	1.75	0.4	3.3
C113	115	2.1	10	2.95	9.55	10.5	0.42	6.2	1.1	30	0.35	0.2	0.2
C114	59	8.2	16	27.91	7.45	44.2	0.65	32.6	9.6	367	2.06	0.9	3.7
C115	86	9.2	18	18.58	9.9	51.1	0.85	31.1	11	451	2.28	0.8	4.9
C116	113	10.8	28	22.34	6.94	54.3	0.58	62.3	7.5	331	1.59	7.3	3.3
Q01	94	30.6	29	20.53	32.62	66.5	1.34	27.3	12.9	521	3.14	1	6
Q02	116	6.8	18	6.93	7.11	34.4	1	8.6	4.3	237	1.39	0.6	1.2
Q03	41	4.5	15	7.32	9.98	27.5	0.89	6.9	4.5	648	1.29	0.2	1.1
Q04	9	0.05	6	0.79	1.07	7	0.09	0.8	0.4	44	0.2	<0.1	<0.1
Q05	33	4.4	2.5	14.27	8.62	59.2	0.95	20.2	8.3	139	2.1	0.5	2.8
Q06	70	0.5	2.5	10.97	1.66	15	0.23	4.1	2	92	0.51	0.4	0.2
Q07	7	3.6	9	10.31	9.53	26	1.47	11.9	6.5	201	2.16	0.3	3.3
Q08	30	0.8	18	8.21	4.17	17	0.65	6.2	2.5	199	0.74	0.3	0.2
Q09	27	7.5	24	15.2	16.96	53.2	1.13	24	10.1	371	2.62	0.6	5
Q10	113	2.2	16	16.24	5.84	20.1	0.36	7.6	4.1	400	1.1	0.9	0.5
Q11	63	3.5	20	18.81	14.54	48.5	0.59	20.6	10.8	240	2.61	0.4	6.1
Q12	37	0.2	16	8.29	2.26	9.5	0.18	3.3	1.8	63	0.55	0.2	0.2
Q13	47	1.9	19	17.28	7.57	27.8	0.39	11.3	5.5	181	1.49	0.4	1.2
Q14	39	4.3	23	18.53	13.97	53	0.45	18.4	12	376	2.61	0.4	5
Q15	25	3	10	16.15	14.51	36.8	0.37	15.9	9.9	324	2.17	0.3	4.7
Q16	67	2.4	7	17.4	13.89	27.1	0.53	22	12.5	480	2.5	0.3	4.5
Q101	85	4.5	15	31.89	20	77.8	0.81	36.5	17.6	324	3.87	0.9	7.6
Q102	58	5.2	25	20.05	17.69	76.8	0.77	34.6	13.4	269	3.54	0.7	6.1
Q103	72	5.2	2.5	28.46	15.74	80.5	0.81	38.5	17	433	3.75	0.7	8.6
Q104	81	5.2	7	34.58	19.6	88.6	0.9	39.2	18.9	621	3.83	0.6	7.5
Q105	36	1.8	16	9.16	2.33	12.3	0.21	4.1	2.4	87	0.62	0.7	0.4
Q106	238	13.7	12	32.1	29.93	65.8	1.73	35.1	16.3	339	3.71	1.5	13.9
Q107	28	8.9	2.5	8.13	11.02	41.3	1.24	11.8	6	265	2.19	0.7	4.8
Q108	127	26.6	19	28.42	28.8	61	1.85	33.4	15.6	562	4.09	1.3	10
Q109	160	18.7	25	29.91	21.31	59.6	1.35	31.2	14.3	505	3.83	1	8.8
Q110	94	9.3	5	30.93	14.04	52.5	1.75	34.3	17.8	392	3.18	0.8	9.2
Q111	141	13	14	39.36	40.19	45.1	3.33	33.5	18.6	1023	5.43	1.5	10.4
Q112	68	7.5	20	24.59	16.56	62.9	1.72	24.9	15.4	668	3.3	1.4	5.2
Q113	369	8.4	68	37.06	22.35	43.4	1.8	27.3	17	658	3.77	0.8	4.6
Q114	64	13	41	40.89	30.35	43	2.62	31.1	20.1	887	5.96	1.2	17.2
Q115	35	12.5	12	28.97	35.09	55.9	2.43	30.6	19.7	1078	6.07	1	17
Q116	79	10.3	2.5	17.08	19.75	56	1.35	23.8	12.4	516	3.54	0.7	7.4

Sample	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B
	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM
	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1
C01	11.2	0.16	0.3	0.13	22	0.23	0.017	5.2	17.9	0.31	128.8	0.033	1
C02	21.5	0.1	0.73	0.16	29	0.39	0.022	9.6	34.9	0.56	118.9	0.043	2
C03	4.6	0.06	0.29	0.1	22	0.07	0.008	4.3	19.1	0.18	66.1	0.033	<1
C04	8.7	0.03	0.32	0.11	24	0.16	0.016	6.8	42.1	0.39	104.9	0.037	<1
C05	7.5	0.06	0.34	0.12	28	0.15	0.023	8.3	47	0.43	74.6	0.032	<1
C06	7.5	0.04	0.12	0.06	14	0.12	0.008	3.6	10.3	0.16	88.2	0.023	<1
C07	9.8	0.06	0.41	0.15	30	0.19	0.01	8.1	35.7	0.44	153.4	0.031	<1
C08	9.4	0.09	0.38	0.16	29	0.21	0.022	7.3	38.2	0.44	105.1	0.033	<1
C09	9.9	0.06	0.65	0.16	34	0.19	0.037	11.8	36	0.55	226.5	0.039	1
C10	9.8	0.05	0.64	0.08	27	0.18	0.02	9.2	25.9	0.44	165.7	0.03	<1
C11	12.7	0.14	0.4	0.08	26	0.25	0.013	7.1	23.2	0.33	159.1	0.028	<1
C12	10.6	0.08	0.4	0.11	32	0.18	0.012	8.6	28.1	0.39	201.2	0.024	<1
C13	10.6	0.07	0.29	0.09	23	0.19	0.018	7	17.7	0.24	122.5	0.029	<1
C14	9	0.08	0.48	0.09	28	0.16	0.021	7.7	23.9	0.36	110.7	0.032	1
C15	11.2	0.04	0.46	0.18	31	0.19	0.014	9	29.2	0.45	154.8	0.047	<1
C16	41.9	0.05	0.34	0.07	8	1.39	0.051	3	3.7	0.11	178.5	0.015	1
C101	19.8	0.13	0.7	0.2	37	0.41	0.061	17	33.7	0.74	154.2	0.066	1
C102	18.3	0.11	0.55	0.17	29	0.42	0.054	15	25.5	0.55	131.9	0.052	<1
C103	21.6	0.14	0.62	0.19	34	0.53	0.052	16.3	31.1	0.68	138.5	0.066	2
C104	24.6	0.1	0.73	0.18	36	0.64	0.045	17	42.6	0.72	203.1	0.055	2
C105	10	0.08	0.55	0.16	31	0.19	0.03	12.2	40.7	0.59	129.4	0.045	<1
C106	9.2	0.05	0.42	0.13	34	0.19	0.039	11.4	87.6	0.89	85.6	0.049	<1
C107	10.3	0.04	0.49	0.11	31	0.2	0.035	11.9	85.2	0.85	95.9	0.052	1
C108	10.5	0.03	0.39	0.09	30	0.19	0.021	9.2	27.2	0.43	139.5	0.041	<1
C109	10.6	0.1	0.74	0.34	41	0.19	0.056	9.9	40.9	0.43	169.9	0.051	<1
C110	9.3	0.06	0.97	0.29	31	0.16	0.046	9.6	36.3	0.47	147.6	0.047	<1
C111	10.2	0.06	0.49	0.18	31	0.19	0.04	9.6	31.8	0.48	145.6	0.051	<1
C112	11.5	0.04	0.36	0.14	34	0.19	0.027	9.6	31.6	0.45	164	0.055	<1
C113	6.1	0.14	0.11	0.04	8	0.05	0.013	1.8	9.9	0.04	39.3	0.012	<1
C114	16.8	0.08	0.86	0.11	35	0.4	0.054	13.7	34.7	0.67	174.9	0.05	<1
C115	24.6	0.13	0.64	0.16	38	0.53	0.073	14.2	34.5	0.71	184.9	0.069	1
C116	32.2	0.42	0.83	0.17	23	0.8	0.066	11.5	34.7	0.61	247	0.038	2
Q01	34.8	0.26	0.66	0.41	41	0.71	0.057	21.5	27.8	0.66	127.9	0.075	1
Q02	24.6	0.23	0.28	0.18	21	0.28	0.046	7.3	11.5	0.23	81.5	0.024	1
Q03	14.8	0.4	0.22	0.14	23	0.16	0.017	6.4	9.7	0.17	96.8	0.028	<1
Q04	13.4	0.1	0.02	0.1	6	0.13	0.022	<0.5	1.4	0.02	24.5	0.004	<1
Q05	37.2	0.19	0.65	0.19	15	0.79	0.036	16.8	17	0.55	51.6	0.012	1
Q06	38.9	0.22	0.12	0.08	10	0.86	0.047	3.9	2.8	0.09	31.5	0.017	<1
Q07	14.5	0.1	0.45	0.16	17	0.15	0.031	10.1	11.2	0.27	58.4	0.005	<1
Q08	35.4	0.74	0.15	0.13	10	0.74	0.035	3.1	7.1	0.1	45.5	0.013	<1
Q09	24.3	0.37	0.63	0.23	28	0.38	0.058	20.6	21.7	0.56	88.8	0.022	<1
Q10	44.8	0.31	0.23	0.11	13	1.04	0.049	9.4	7.9	0.19	65.1	0.016	1
Q11	74.2	0.13	0.54	0.19	9	2.18	0.063	13.2	11.2	0.44	63.4	0.003	<1
Q12	36.3	0.07	0.15	0.05	9	0.87	0.027	3.1	3.9	0.09	29.3	0.012	<1
Q13	60.1	0.08	0.54	0.12	10	1.68	0.046	7.5	9.9	0.4	66.8	0.008	<1
Q14	197	0.07	1.14	0.16	6	7.83	0.055	9.5	11	0.59	29.6	0.002	<1
Q15	174.8	0.08	0.77	0.14	6	5.75	0.047	9.7	10.7	0.53	34.3	0.004	2
Q16	114.5	0.08	0.84	0.23	4	3.62	0.059	10.8	10.8	0.51	22.7	0.002	<1
Q101	24	0.13	0.66	0.26	26	0.33	0.084	29.9	32.7	1.07	49	0.012	<1
Q102	29.3	0.13	0.65	0.24	21	0.52	0.06	24.4	30.6	1.05	27.9	0.009	1
Q103	23.1	0.1	0.7	0.23	24	0.35	0.072	29.2	32	1.16	37.6	0.012	<1
Q104	30.2	0.16	0.68	0.25	24	0.53	0.088	29.9	33.7	1.18	52.7	0.011	<1
Q105	38.9	0.04	0.17	0.06	11	0.85	0.038	4.4	3.2	0.13	44.1	0.019	<1
Q106	84.5	0.5	1.21	0.54	38	2.58	0.05	27.6	27.7	0.85	84.9	0.068	<1
Q107	10.5	0.18	0.47	0.53	42	0.1	0.024	21.3	17	0.36	63.9	0.029	<1
Q108	39.3	0.21	1.11	0.88	32	0.62	0.038	38.6	28.1	0.69	73	0.041	2
Q109	30.8	0.14	1	0.27	24	0.41	0.077	35.9	26	0.76	82.9	0.018	<1
Q110	227	0.13	1.12	0.24	20	8.57	0.072	23.3	22.4	1.05	51.3	0.019	<1
Q111	42.2	0.28	1.21	0.31	27	0.64	0.067	57.7	28.2	0.53	99.6	0.007	<1
Q112	48.3	0.33	0.85	0.32	24	0.7	0.043	25.3	20.6	0.48	101.3	0.009	<1
Q113	115.7	0.23	1.02	0.25	13	2.76	0.078	34.9	15.6	0.49	62	0.005	<1
Q114	11.6	0.24	0.98	0.43	27	0.11	0.05	43.2	29.6	0.48	189.4	0.014	<1
Q115	7.4	0.4	1.26	0.32	22	0.07	0.048	35.3	20.3	0.49	73.6	0.009	<1
Q116	25.5	0.12	1.11	0.27	30	0.28	0.038	30.5	23.4	0.58	114.6	0.012	<1

Sample	Al	Na	K	W	Sc	Tl	S	Se	Te	Ga
	%	%	%	PPM	PPM	PPM	%	PPM	PPM	PPM
	0.01	0.001	0.01	0.1	0.1	0.02	0.02	0.1	0.02	0.1
C01	0.78	0.016	0.07	0.3	1.1	0.06	<0.02	0.1	<0.02	2.9
C02	0.99	0.014	0.12	0.2	2.2	0.06	<0.02	0.5	0.03	3.1
C03	0.65	0.009	0.03	0.2	0.7	0.04	<0.02	<0.1	<0.02	2.6
C04	0.78	0.009	0.05	0.3	1.2	0.05	<0.02	<0.1	<0.02	2.6
C05	0.76	0.006	0.04	0.3	1.3	0.05	<0.02	<0.1	<0.02	3
C06	0.48	0.015	0.03	<0.1	0.7	0.04	<0.02	<0.1	0.02	2
C07	0.91	0.006	0.05	0.3	1.4	0.06	<0.02	<0.1	0.03	3.4
C08	0.84	0.01	0.07	0.4	1.4	0.07	<0.02	0.1	<0.02	3.1
C09	1.22	0.008	0.04	0.3	2.2	0.09	<0.02	<0.1	0.04	3.8
C10	0.93	0.005	0.08	0.1	1.5	0.05	<0.02	<0.1	0.02	2.8
C11	0.79	0.01	0.08	0.1	1.2	0.04	<0.02	0.1	<0.02	2.9
C12	1.08	0.006	0.04	0.2	1.5	0.06	<0.02	<0.1	<0.02	3.7
C13	0.67	0.013	0.05	0.3	1.1	0.05	<0.02	0.1	<0.02	3
C14	0.87	0.008	0.07	0.1	1.6	0.05	<0.02	0.1	0.02	2.8
C15	1	0.007	0.07	0.2	1.8	0.06	<0.02	<0.1	0.04	3.4
C16	0.3	0.037	0.02	<0.1	0.4	0.03	0.05	0.9	<0.02	0.7
C101	1.21	0.014	0.13	0.4	3.2	0.13	<0.02	<0.1	0.03	3.8
C102	0.9	0.013	0.08	0.3	2.6	0.09	<0.02	<0.1	0.03	2.9
C103	1.09	0.015	0.11	0.3	3	0.11	<0.02	<0.1	0.03	3.6
C104	1.26	0.013	0.11	0.3	3.5	0.09	<0.02	0.2	0.03	3.8
C105	1.13	0.007	0.05	0.3	2.1	0.07	<0.02	<0.1	<0.02	3.4
C106	1.14	0.006	0.06	0.3	2.2	0.07	<0.02	0.1	0.03	3.3
C107	1.04	0.008	0.06	0.3	2.1	0.06	<0.02	<0.1	<0.02	3.1
C108	1.08	0.006	0.05	0.2	1.8	0.06	<0.02	<0.1	<0.02	3
C109	1.04	0.008	0.05	0.8	1.8	0.08	<0.02	<0.1	<0.02	4.8
C110	0.97	0.006	0.06	0.8	1.8	0.1	<0.02	<0.1	<0.02	3.3
C111	1.08	0.007	0.05	0.5	2	0.07	<0.02	0.1	<0.02	3.3
C112	1.19	0.007	0.05	0.4	1.9	0.07	<0.02	<0.1	0.02	3.8
C113	0.14	0.023	0.03	<0.1	0.4	0.03	<0.02	0.1	<0.02	1.1
C114	1.09	0.009	0.06	0.1	2.6	0.07	<0.02	0.2	0.02	3.3
C115	1.22	0.015	0.09	0.2	3.1	0.1	<0.02	0.2	0.04	3.9
C116	1	0.014	0.08	0.2	2.4	0.11	0.06	1.1	<0.02	3.1
Q01	1.72	0.022	0.23	0.7	4.2	0.23	0.03	0.2	0.03	5.7
Q02	0.81	0.022	0.13	0.2	1	0.05	<0.02	0.1	<0.02	3.5
Q03	0.81	0.026	0.05	0.2	0.9	0.07	<0.02	<0.1	<0.02	3.2
Q04	0.13	0.032	0.03	<0.1	0.2	<0.02	<0.02	0.1	0.02	0.5
Q05	0.99	0.019	0.03	<0.1	1.5	0.02	0.03	0.2	0.02	2.9
Q06	0.35	0.036	0.02	<0.1	0.3	<0.02	0.03	<0.1	<0.02	0.9
Q07	0.85	0.031	0.04	<0.1	1.3	0.03	<0.02	0.2	0.08	2.5
Q08	0.42	0.036	0.03	<0.1	0.3	<0.02	0.04	<0.1	0.07	1.6
Q09	1.32	0.017	0.04	0.5	2	0.06	<0.02	<0.1	0.03	3.8
Q10	0.67	0.043	0.04	<0.1	0.8	0.04	0.03	0.2	0.05	1.8
Q11	0.89	0.012	0.05	<0.1	2.4	0.02	0.03	0.2	<0.02	1.8
Q12	0.38	0.044	0.03	<0.1	0.3	<0.02	0.03	0.2	0.05	1
Q13	0.78	0.029	0.03	<0.1	1	0.02	0.04	0.5	<0.02	1.9
Q14	0.79	0.008	0.04	<0.1	2.2	<0.02	0.04	0.1	<0.02	1.6
Q15	0.85	0.015	0.03	<0.1	1.9	<0.02	0.04	0.2	<0.02	1.7
Q16	0.59	0.01	0.03	<0.1	1.9	<0.02	0.05	<0.1	0.07	1.3
Q101	1.79	0.007	0.03	<0.1	3	<0.02	<0.02	0.2	<0.02	5
Q102	1.61	0.005	0.03	0.1	2.5	<0.02	0.03	0.3	<0.02	4.5
Q103	1.73	0.004	0.03	<0.1	2.6	<0.02	<0.02	0.3	0.04	4.9
Q104	1.82	0.007	0.04	<0.1	3.3	0.03	<0.02	0.3	<0.02	5
Q105	0.42	0.048	0.03	<0.1	0.5	0.03	0.03	<0.1	<0.02	1.3
Q106	1.68	0.021	0.18	0.4	5.1	0.18	<0.02	0.3	0.09	5.3
Q107	1.23	0.01	0.05	0.5	1.5	0.13	<0.02	<0.1	<0.02	6.6
Q108	1.83	0.01	0.08	0.3	7.1	0.15	0.02	0.4	<0.02	4.8
Q109	1.42	0.008	0.03	0.2	5.2	0.04	<0.02	0.7	0.03	3.5
Q110	1.28	0.007	0.04	0.1	2.9	0.07	<0.02	0.4	0.02	2.9
Q111	1.94	0.007	0.02	0.2	8.2	0.07	0.02	0.7	<0.02	3
Q112	1.43	0.014	0.04	0.2	3.1	0.06	<0.02	0.5	<0.02	4.4
Q113	1.18	0.01	0.03	<0.1	4.7	0.04	0.03	0.7	0.05	2.3
Q114	2.43	0.006	0.03	0.2	7.5	0.05	<0.02	0.5	0.03	3.8
Q115	1.62	0.005	0.03	0.2	6.5	0.05	<0.02	0.4	<0.02	3.3
Q116	1.72	0.011	0.03	0.2	4.2	0.06	<0.02	0.3	0.03	4.7

APPENDIX E. 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: August 01, 2011
Report Date: October 03, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI11001161.1

CLIENT JOB INFORMATION

Project: Risby
Shipment ID: 2011-1
P.O. Number
Number of Samples: 14

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	14	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F02	14	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: Risby
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001161.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
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
CT01	Rock	0.81	41.02	0.91	61.2	15	44.8	26.7	837	4.24	0.4	<0.1	1.9	0.4	135.9	0.29	0.07	<0.02	105	9.15	0.138
CT02	Rock	0.73	87.93	3.97	58.0	203	21.6	8.3	105	1.96	14.2	0.9	2.7	2.6	3.8	0.10	0.66	0.27	21	0.04	0.022
CT03	Rock	1.02	31.23	12.46	54.1	96	32.8	14.1	486	3.34	0.5	0.7	0.4	6.1	63.1	0.16	0.44	0.27	72	2.55	0.063
CT04	Rock	0.41	19.28	2.28	39.7	53	19.5	4.4	57	1.40	1.2	0.7	<0.2	4.7	5.5	0.02	0.45	0.10	32	0.14	0.042
CT05	Rock	0.57	46.23	1.38	21.6	72	51.0	8.8	227	1.32	2.4	0.3	1.4	1.4	9.6	0.03	0.04	0.10	18	0.37	0.054
CT06	Rock	0.83	60.20	2.26	49.5	48	99.6	21.5	657	3.23	0.6	0.3	1.2	1.6	30.5	0.05	0.69	0.04	74	1.64	0.073
CT07	Rock	1.04	92.46	1.29	73.4	68	28.2	27.6	429	4.59	0.6	0.4	1.3	0.3	18.7	0.13	0.27	0.04	136	0.96	0.150
CT08	Rock	2.41	312.5	2.66	17.1	420	84.7	34.9	225	3.16	<0.1	0.7	0.9	4.0	17.6	0.11	0.06	0.04	38	0.83	0.104
QT01	Rock	0.25	31.87	16.06	70.0	40	30.5	23.4	2103	5.76	2.9	0.2	0.5	2.9	388.9	0.05	0.21	0.08	19	13.27	0.054
QT02	Rock	1.70	21.41	10.20	165.6	38	31.1	22.6	748	6.60	0.2	0.3	0.3	2.1	310.1	0.08	0.16	0.05	66	7.78	0.333
QT03	Rock	0.09	3.67	72.90	11.7	279	1.6	1.7	594	1.16	<0.1	0.2	0.3	1.9	765.3	0.07	0.05	0.58	<2	18.81	0.007
QT04	Rock	0.12	0.81	20.77	26.9	21	6.7	5.8	3136	1.73	0.4	0.1	0.3	2.1	948.3	0.20	0.24	0.05	17	18.45	0.074
QM01	Rock	0.11	12.03	7.85	27.8	6	12.7	5.7	1272	2.74	0.6	0.4	<0.2	2.5	476.0	0.03	0.08	<0.02	6	16.97	0.013
QM02	Rock	2.00	37.37	6.06	152.6	12	3.4	32.1	707	8.53	0.5	0.2	<0.2	1.9	134.1	0.04	0.23	<0.02	119	3.56	0.480

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.

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: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001161.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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
CT01	Rock	2.5	67.3	1.41	204.8	0.101	<1	1.56	0.020	0.79	<0.1	4.5	0.08	<0.02	10	0.1	<0.02	5.1
CT02	Rock	6.1	16.9	0.66	341.4	0.063	1	0.98	0.010	0.60	<0.1	1.9	0.28	0.42	<5	0.8	0.04	3.1
CT03	Rock	13.1	36.9	1.12	150.7	0.003	1	1.50	0.014	0.13	<0.1	5.4	0.05	0.06	14	0.2	0.03	5.0
CT04	Rock	12.6	17.2	0.42	133.1	0.023	<1	0.69	0.011	0.19	<0.1	1.1	0.08	0.02	6	0.2	0.04	2.2
CT05	Rock	5.4	47.4	0.70	59.1	0.068	<1	0.72	0.034	0.12	<0.1	1.6	0.05	0.02	5	0.1	0.05	2.2
CT06	Rock	7.6	132.1	2.13	43.3	0.061	<1	1.73	0.032	0.11	<0.1	7.6	0.05	<0.02	246	0.2	0.06	5.2
CT07	Rock	2.3	16.8	1.16	68.3	0.136	1	1.71	0.082	0.06	<0.1	9.3	0.18	0.08	8	0.5	0.04	6.9
CT08	Rock	9.3	33.7	0.34	39.6	0.170	<1	0.36	0.045	0.03	<0.1	2.4	0.02	1.39	12	2.8	0.09	1.5
QT01	Rock	4.1	12.9	1.50	9.1	0.003	<1	1.94	0.003	0.06	<0.1	3.4	<0.02	0.10	8	0.3	<0.02	4.6
QT02	Rock	14.4	23.0	2.31	20.6	0.005	<1	3.65	0.014	0.06	<0.1	5.2	<0.02	<0.02	9	<0.1	<0.02	10.9
QT03	Rock	12.9	2.0	0.36	8.1	<0.001	<1	0.10	0.004	0.02	<0.1	1.4	<0.02	<0.02	<5	0.3	<0.02	0.3
QT04	Rock	5.7	17.9	0.51	8.2	0.002	<1	0.58	0.019	<0.01	<0.1	8.2	<0.02	<0.02	7	0.1	<0.02	2.3
QM01	Rock	9.9	5.7	0.66	5.6	0.001	<1	1.06	0.005	0.01	<0.1	2.5	<0.02	0.08	<5	0.1	<0.02	2.5
QM02	Rock	16.2	3.3	2.22	5.5	0.008	<1	4.22	0.019	<0.01	<0.1	9.0	<0.02	0.34	<5	0.2	<0.02	15.9

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

Project: Risby
Report Date: October 03, 2011

QUALITY CONTROL REPORT WHI11001161.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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																					
REP G1	QC	0.08	1.78	2.41	43.3	9	2.2	3.5	524	1.93	0.1	1.4	0.8	4.9	43.7	0.02	<0.02	0.06	33	0.34	0.070
Core Reject Duplicates																					
CT03	Rock	1.02	31.23	12.46	54.1	96	32.8	14.1	486	3.34	0.5	0.7	0.4	6.1	63.1	0.16	0.44	0.27	72	2.55	0.063
DUP CT03	QC	1.02	32.01	12.55	55.1	98	33.0	13.9	519	3.57	0.6	0.7	0.7	6.2	63.4	0.16	0.42	0.28	76	2.51	0.066
Reference Materials																					
STD DS8	Standard	9.79	106.8	121.8	313.6	1855	37.3	7.3	562	2.40	23.4	2.6	110.8	6.1	56.7	2.27	4.98	7.01	38	0.63	0.078
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	<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
Prep Wash																					
G1	Prep Blank	0.13	3.18	3.23	42.9	12	2.4	3.5	498	1.91	0.1	1.6	2.6	5.1	44.6	0.04	0.05	0.10	33	0.35	0.071
G1	Prep Blank	0.09	2.15	2.66	45.4	8	2.2	3.6	508	1.88	0.1	1.4	1.9	4.8	43.5	0.02	0.03	0.09	32	0.34	0.071

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

Project: Risby
Report Date: October 03, 2011

QUALITY CONTROL REPORT WHI11001161.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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																		
REP G1	QC	7.8	5.1	0.45	137.2	0.093	<1	0.78	0.058	0.44	<0.1	1.6	0.30	<0.02	<5	<0.1	<0.02	4.0
Core Reject Duplicates																		
CT03	Rock	13.1	36.9	1.12	150.7	0.003	1	1.50	0.014	0.13	<0.1	5.4	0.05	0.06	14	0.2	0.03	5.0
DUP CT03	QC	14.1	39.5	1.16	188.0	0.003	2	1.62	0.021	0.17	<0.1	5.5	0.05	0.06	17	0.2	<0.02	5.2
Reference Materials																		
STD DS8	Standard	10.7	112.2	0.58	223.1	0.093	3	0.81	0.073	0.39	2.8	1.8	5.23	0.16	221	4.7	4.35	4.1
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	<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
Prep Wash																		
G1	Prep Blank	8.6	4.5	0.44	137.4	0.092	1	0.78	0.068	0.44	<0.1	1.7	0.29	<0.02	<5	<0.1	<0.02	3.8
G1	Prep Blank	7.8	5.0	0.45	138.9	0.089	1	0.76	0.056	0.42	<0.1	1.6	0.30	<0.02	6	<0.1	<0.02	4.1

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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: August 01, 2011
Report Date: September 09, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI11001002.1

CLIENT JOB INFORMATION

Project: Risby
Shipment ID: 2011-1
P.O. Number
Number of Samples: 64

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	64	Dry at 60C			WHI
SS80	64	Dry at 60C sieve 100g to -80 mesh			WHI
Soil Pulverize	64	Soil Pulverize			VAN
1F02	64	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC:

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: September 09, 2011

CERTIFICATE OF ANALYSIS WHI11001002.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
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
C01	Soil	0.76	8.67	4.75	30.8	87	18.4	5.4	195	1.18	4.4	0.3	2.0	1.5	11.2	0.16	0.30	0.13	22	0.23	0.017
C02	Soil	0.74	21.31	7.05	34.1	66	29.2	9.3	371	1.89	7.5	2.1	1.7	2.9	21.5	0.10	0.73	0.16	29	0.39	0.022
C03	Soil	0.48	4.11	3.91	18.0	25	13.3	3.9	86	1.06	3.3	0.2	0.8	1.2	4.6	0.06	0.29	0.10	22	0.07	0.008
C04	Soil	0.42	7.96	3.78	23.9	20	32.5	6.9	217	1.31	3.5	0.3	0.9	2.1	8.7	0.03	0.32	0.11	24	0.16	0.016
C05	Soil	0.43	6.75	4.14	23.5	46	31.3	6.8	122	1.34	3.9	0.4	0.5	2.5	7.5	0.06	0.34	0.12	28	0.15	0.023
C06	Soil	0.25	4.02	2.36	16.5	12	9.0	3.0	89	0.63	2.7	0.1	1.4	0.8	7.5	0.04	0.12	0.06	14	0.12	0.008
C07	Soil	0.74	8.27	5.62	32.3	3	25.1	7.1	132	1.52	5.2	0.6	1.3	2.6	9.8	0.06	0.41	0.15	30	0.19	0.010
C08	Soil	0.66	7.50	5.32	27.0	13	28.4	6.6	267	1.37	4.9	0.4	1.0	2.7	9.4	0.09	0.38	0.16	29	0.21	0.022
C09	Soil	0.78	29.07	6.58	38.7	31	37.8	10.4	208	1.97	7.4	0.5	1.2	3.8	9.9	0.06	0.65	0.16	34	0.19	0.037
C10	Soil	0.56	8.54	4.42	26.6	23	19.4	7.0	224	1.48	5.4	0.3	0.6	2.4	9.8	0.05	0.64	0.08	27	0.18	0.020
C11	Soil	0.55	6.71	4.20	27.2	19	18.4	5.3	239	1.29	3.9	0.2	3.7	1.7	12.7	0.14	0.40	0.08	26	0.25	0.013
C12	Soil	0.70	7.02	5.88	30.7	26	20.3	6.3	117	1.58	4.8	0.3	0.9	2.2	10.6	0.08	0.40	0.11	32	0.18	0.012
C13	Soil	0.41	7.57	4.88	23.7	47	11.9	3.7	130	0.97	4.5	0.3	1.3	1.7	10.6	0.07	0.29	0.09	23	0.19	0.018
C14	Soil	1.33	11.32	4.24	27.6	18	19.8	6.2	168	1.48	5.2	0.2	1.0	2.0	9.0	0.08	0.48	0.09	28	0.16	0.021
C15	Soil	0.70	11.50	5.47	28.9	55	22.4	7.8	224	1.68	6.2	0.3	2.0	2.5	11.2	0.04	0.46	0.18	31	0.19	0.014
C16	Soil	0.13	15.74	0.82	6.4	66	7.2	1.6	150	0.33	0.9	3.6	0.9	0.2	41.9	0.05	0.34	0.07	8	1.39	0.051
C101	Soil	0.73	29.32	11.64	58.5	101	33.9	10.0	431	2.25	7.6	0.6	2.9	7.5	19.8	0.13	0.70	0.20	37	0.41	0.061
C102	Soil	0.57	23.17	7.98	41.0	85	24.9	7.3	333	1.75	6.9	0.7	3.4	6.6	18.3	0.11	0.55	0.17	29	0.42	0.054
C103	Soil	0.58	24.28	8.84	51.6	79	28.3	8.9	421	2.06	7.5	0.7	2.0	7.1	21.6	0.14	0.62	0.19	34	0.53	0.052
C104	Soil	0.58	30.54	9.77	50.4	101	37.5	9.7	397	2.23	8.7	0.6	1.7	5.2	24.6	0.10	0.73	0.18	36	0.64	0.045
C105	Soil	0.87	18.42	8.53	37.5	34	36.7	9.5	246	1.92	9.1	0.6	3.6	4.0	10.0	0.08	0.55	0.16	31	0.19	0.030
C106	Soil	0.47	13.18	6.02	33.7	20	66.5	9.6	222	1.92	7.1	0.4	1.9	3.6	9.2	0.05	0.42	0.13	34	0.19	0.039
C107	Soil	0.59	15.03	7.73	31.5	21	63.0	10.6	247	1.80	6.4	0.6	5.7	3.3	10.3	0.04	0.49	0.11	31	0.20	0.035
C108	Soil	0.46	14.86	6.01	28.5	31	23.3	6.7	183	1.66	5.6	0.3	1.1	2.8	10.5	0.03	0.39	0.09	30	0.19	0.021
C109	Soil	1.22	11.29	23.17	35.1	66	25.8	8.9	221	2.08	10.0	0.7	1.3	4.2	10.6	0.10	0.74	0.34	41	0.19	0.056
C110	Soil	0.93	14.37	9.28	32.2	32	43.2	8.0	185	1.74	21.2	1.0	1.7	4.5	9.3	0.06	0.97	0.29	31	0.16	0.046
C111	Soil	0.77	16.26	7.23	30.3	21	39.2	7.9	253	1.73	8.4	0.6	4.9	3.6	10.2	0.06	0.49	0.18	31	0.19	0.040
C112	Soil	0.69	10.23	8.34	30.2	27	23.0	6.8	175	1.75	6.5	0.4	0.9	3.3	11.5	0.04	0.36	0.14	34	0.19	0.027
C113	Soil	0.42	2.95	9.55	10.5	115	6.2	1.1	30	0.35	2.1	0.2	1.1	0.2	6.1	0.14	0.11	0.04	8	0.05	0.013
C114	Soil	0.65	27.91	7.45	44.2	59	32.6	9.6	367	2.06	8.2	0.9	3.2	3.7	16.8	0.08	0.86	0.11	35	0.40	0.054

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
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Project: Risby
Report Date: September 09, 2011

CERTIFICATE OF ANALYSIS WHI11001002.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
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
C01	Soil	5.2	17.9	0.31	128.8	0.033	1	0.78	0.016	0.07	0.3	1.1	0.06	<0.02	17	0.1	<0.02	2.9
C02	Soil	9.6	34.9	0.56	118.9	0.043	2	0.99	0.014	0.12	0.2	2.2	0.06	<0.02	9	0.5	0.03	3.1
C03	Soil	4.3	19.1	0.18	66.1	0.033	<1	0.65	0.009	0.03	0.2	0.7	0.04	<0.02	10	<0.1	<0.02	2.6
C04	Soil	6.8	42.1	0.39	104.9	0.037	<1	0.78	0.009	0.05	0.3	1.2	0.05	<0.02	7	<0.1	<0.02	2.6
C05	Soil	8.3	47.0	0.43	74.6	0.032	<1	0.76	0.006	0.04	0.3	1.3	0.05	<0.02	9	<0.1	<0.02	3.0
C06	Soil	3.6	10.3	0.16	88.2	0.023	<1	0.48	0.015	0.03	<0.1	0.7	0.04	<0.02	7	<0.1	0.02	2.0
C07	Soil	8.1	35.7	0.44	153.4	0.031	<1	0.91	0.006	0.05	0.3	1.4	0.06	<0.02	<5	<0.1	0.03	3.4
C08	Soil	7.3	38.2	0.44	105.1	0.033	<1	0.84	0.010	0.07	0.4	1.4	0.07	<0.02	22	0.1	<0.02	3.1
C09	Soil	11.8	36.0	0.55	226.5	0.039	1	1.22	0.008	0.04	0.3	2.2	0.09	<0.02	6	<0.1	0.04	3.8
C10	Soil	9.2	25.9	0.44	165.7	0.030	<1	0.93	0.005	0.08	0.1	1.5	0.05	<0.02	11	<0.1	0.02	2.8
C11	Soil	7.1	23.2	0.33	159.1	0.028	<1	0.79	0.010	0.08	0.1	1.2	0.04	<0.02	10	0.1	<0.02	2.9
C12	Soil	8.6	28.1	0.39	201.2	0.024	<1	1.08	0.006	0.04	0.2	1.5	0.06	<0.02	6	<0.1	<0.02	3.7
C13	Soil	7.0	17.7	0.24	122.5	0.029	<1	0.67	0.013	0.05	0.3	1.1	0.05	<0.02	15	0.1	<0.02	3.0
C14	Soil	7.7	23.9	0.36	110.7	0.032	1	0.87	0.008	0.07	0.1	1.6	0.05	<0.02	18	0.1	0.02	2.8
C15	Soil	9.0	29.2	0.45	154.8	0.047	<1	1.00	0.007	0.07	0.2	1.8	0.06	<0.02	18	<0.1	0.04	3.4
C16	Soil	3.0	3.7	0.11	178.5	0.015	1	0.30	0.037	0.02	<0.1	0.4	0.03	0.05	27	0.9	<0.02	0.7
C101	Soil	17.0	33.7	0.74	154.2	0.066	1	1.21	0.014	0.13	0.4	3.2	0.13	<0.02	28	<0.1	0.03	3.8
C102	Soil	15.0	25.5	0.55	131.9	0.052	<1	0.90	0.013	0.08	0.3	2.6	0.09	<0.02	27	<0.1	0.03	2.9
C103	Soil	16.3	31.1	0.68	138.5	0.066	2	1.09	0.015	0.11	0.3	3.0	0.11	<0.02	33	<0.1	0.03	3.6
C104	Soil	17.0	42.6	0.72	203.1	0.055	2	1.26	0.013	0.11	0.3	3.5	0.09	<0.02	24	0.2	0.03	3.8
C105	Soil	12.2	40.7	0.59	129.4	0.045	<1	1.13	0.007	0.05	0.3	2.1	0.07	<0.02	<5	<0.1	<0.02	3.4
C106	Soil	11.4	87.6	0.89	85.6	0.049	<1	1.14	0.006	0.06	0.3	2.2	0.07	<0.02	6	0.1	0.03	3.3
C107	Soil	11.9	85.2	0.85	95.9	0.052	1	1.04	0.008	0.06	0.3	2.1	0.06	<0.02	10	<0.1	<0.02	3.1
C108	Soil	9.2	27.2	0.43	139.5	0.041	<1	1.08	0.006	0.05	0.2	1.8	0.06	<0.02	9	<0.1	<0.02	3.0
C109	Soil	9.9	40.9	0.43	169.9	0.051	<1	1.04	0.008	0.05	0.8	1.8	0.08	<0.02	<5	<0.1	<0.02	4.8
C110	Soil	9.6	36.3	0.47	147.6	0.047	<1	0.97	0.006	0.06	0.8	1.8	0.10	<0.02	18	<0.1	<0.02	3.3
C111	Soil	9.6	31.8	0.48	145.6	0.051	<1	1.08	0.007	0.05	0.5	2.0	0.07	<0.02	<5	0.1	<0.02	3.3
C112	Soil	9.6	31.6	0.45	164.0	0.055	<1	1.19	0.007	0.05	0.4	1.9	0.07	<0.02	<5	<0.1	0.02	3.8
C113	Soil	1.8	9.9	0.04	39.3	0.012	<1	0.14	0.023	0.03	<0.1	0.4	0.03	<0.02	10	0.1	<0.02	1.1
C114	Soil	13.7	34.7	0.67	174.9	0.050	<1	1.09	0.009	0.06	0.1	2.6	0.07	<0.02	16	0.2	0.02	3.3

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Project: Risby
Report Date: September 09, 2011

CERTIFICATE OF ANALYSIS WHI11001002.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
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
C115	Soil	0.85	18.58	9.90	51.1	86	31.1	11.0	451	2.28	9.2	0.8	4.3	4.9	24.6	0.13	0.64	0.16	38	0.53	0.073
C116	Soil	0.58	22.34	6.94	54.3	113	62.3	7.5	331	1.59	10.8	7.3	5.7	3.3	32.2	0.42	0.83	0.17	23	0.80	0.066
Q01	Soil	1.34	20.53	32.62	66.5	94	27.3	12.9	521	3.14	30.6	1.0	0.3	6.0	34.8	0.26	0.66	0.41	41	0.71	0.057
Q02	Soil	1.00	6.93	7.11	34.4	116	8.6	4.3	237	1.39	6.8	0.6	1.3	1.2	24.6	0.23	0.28	0.18	21	0.28	0.046
Q03	Soil	0.89	7.32	9.98	27.5	41	6.9	4.5	648	1.29	4.5	0.2	<0.2	1.1	14.8	0.40	0.22	0.14	23	0.16	0.017
Q04	Soil	0.09	0.79	1.07	7.0	9	0.8	0.4	44	0.20	<0.1	<0.1	0.3	<0.1	13.4	0.10	0.02	0.10	6	0.13	0.022
Q05	Soil	0.95	14.27	8.62	59.2	33	20.2	8.3	139	2.10	4.4	0.5	1.5	2.8	37.2	0.19	0.65	0.19	15	0.79	0.036
Q06	Soil	0.23	10.97	1.66	15.0	70	4.1	2.0	92	0.51	0.5	0.4	<0.2	0.2	38.9	0.22	0.12	0.08	10	0.86	0.047
Q07	Soil	1.47	10.31	9.53	26.0	7	11.9	6.5	201	2.16	3.6	0.3	<0.2	3.3	14.5	0.10	0.45	0.16	17	0.15	0.031
Q08	Soil	0.65	8.21	4.17	17.0	30	6.2	2.5	199	0.74	0.8	0.3	<0.2	0.2	35.4	0.74	0.15	0.13	10	0.74	0.035
Q09	Soil	1.13	15.20	16.96	53.2	27	24.0	10.1	371	2.62	7.5	0.6	<0.2	5.0	24.3	0.37	0.63	0.23	28	0.38	0.058
Q10	Soil	0.36	16.24	5.84	20.1	113	7.6	4.1	400	1.10	2.2	0.9	<0.2	0.5	44.8	0.31	0.23	0.11	13	1.04	0.049
Q11	Soil	0.59	18.81	14.54	48.5	63	20.6	10.8	240	2.61	3.5	0.4	<0.2	6.1	74.2	0.13	0.54	0.19	9	2.18	0.063
Q12	Soil	0.18	8.29	2.26	9.5	37	3.3	1.8	63	0.55	0.2	0.2	<0.2	0.2	36.3	0.07	0.15	0.05	9	0.87	0.027
Q13	Soil	0.39	17.28	7.57	27.8	47	11.3	5.5	181	1.49	1.9	0.4	<0.2	1.2	60.1	0.08	0.54	0.12	10	1.68	0.046
Q14	Soil	0.45	18.53	13.97	53.0	39	18.4	12.0	376	2.61	4.3	0.4	0.8	5.0	197.0	0.07	1.14	0.16	6	7.83	0.055
Q15	Soil	0.37	16.15	14.51	36.8	25	15.9	9.9	324	2.17	3.0	0.3	1.3	4.7	174.8	0.08	0.77	0.14	6	5.75	0.047
Q16	Soil	0.53	17.40	13.89	27.1	67	22.0	12.5	480	2.50	2.4	0.3	0.2	4.5	114.5	0.08	0.84	0.23	4	3.62	0.059
Q101	Soil	0.81	31.89	20.00	77.8	85	36.5	17.6	324	3.87	4.5	0.9	1.6	7.6	24.0	0.13	0.66	0.26	26	0.33	0.084
Q102	Soil	0.77	20.05	17.69	76.8	58	34.6	13.4	269	3.54	5.2	0.7	0.7	6.1	29.3	0.13	0.65	0.24	21	0.52	0.060
Q103	Soil	0.81	28.46	15.74	80.5	72	38.5	17.0	433	3.75	5.2	0.7	0.6	8.6	23.1	0.10	0.70	0.23	24	0.35	0.072
Q104	Soil	0.90	34.58	19.60	88.6	81	39.2	18.9	621	3.83	5.2	0.6	<0.2	7.5	30.2	0.16	0.68	0.25	24	0.53	0.088
Q105	Soil	0.21	9.16	2.33	12.3	36	4.1	2.4	87	0.62	1.8	0.7	<0.2	0.4	38.9	0.04	0.17	0.06	11	0.85	0.038
Q106	Soil	1.73	32.10	29.93	65.8	238	35.1	16.3	339	3.71	13.7	1.5	9.4	13.9	84.5	0.50	1.21	0.54	38	2.58	0.050
Q107	Soil	1.24	8.13	11.02	41.3	28	11.8	6.0	265	2.19	8.9	0.7	1.2	4.8	10.5	0.18	0.47	0.53	42	0.10	0.024
Q108	Soil	1.85	28.42	28.80	61.0	127	33.4	15.6	562	4.09	26.6	1.3	1.8	10.0	39.3	0.21	1.11	0.88	32	0.62	0.038
Q109	Soil	1.35	29.91	21.31	59.6	160	31.2	14.3	505	3.83	18.7	1.0	3.8	8.8	30.8	0.14	1.00	0.27	24	0.41	0.077
Q110	Soil	1.75	30.93	14.04	52.5	94	34.3	17.8	392	3.18	9.3	0.8	0.7	9.2	227.0	0.13	1.12	0.24	20	8.57	0.072
Q111	Soil	3.33	39.36	40.19	45.1	141	33.5	18.6	1023	5.43	13.0	1.5	1.6	10.4	42.2	0.28	1.21	0.31	27	0.64	0.067
Q112	Soil	1.72	24.59	16.56	62.9	68	24.9	15.4	668	3.30	7.5	1.4	1.3	5.2	48.3	0.33	0.85	0.32	24	0.70	0.043

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Project: Risby
Report Date: September 09, 2011

CERTIFICATE OF ANALYSIS WHI11001002.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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
C115	Soil	14.2	34.5	0.71	184.9	0.069	1	1.22	0.015	0.09	0.2	3.1	0.10	<0.02	18	0.2	0.04	3.9
C116	Soil	11.5	34.7	0.61	247.0	0.038	2	1.00	0.014	0.08	0.2	2.4	0.11	0.06	28	1.1	<0.02	3.1
Q01	Soil	21.5	27.8	0.66	127.9	0.075	1	1.72	0.022	0.23	0.7	4.2	0.23	0.03	29	0.2	0.03	5.7
Q02	Soil	7.3	11.5	0.23	81.5	0.024	1	0.81	0.022	0.13	0.2	1.0	0.05	<0.02	18	0.1	<0.02	3.5
Q03	Soil	6.4	9.7	0.17	96.8	0.028	<1	0.81	0.026	0.05	0.2	0.9	0.07	<0.02	15	<0.1	<0.02	3.2
Q04	Soil	<0.5	1.4	0.02	24.5	0.004	<1	0.13	0.032	0.03	<0.1	0.2	<0.02	<0.02	6	0.1	0.02	0.5
Q05	Soil	16.8	17.0	0.55	51.6	0.012	1	0.99	0.019	0.03	<0.1	1.5	0.02	0.03	<5	0.2	0.02	2.9
Q06	Soil	3.9	2.8	0.09	31.5	0.017	<1	0.35	0.036	0.02	<0.1	0.3	<0.02	0.03	<5	<0.1	<0.02	0.9
Q07	Soil	10.1	11.2	0.27	58.4	0.005	<1	0.85	0.031	0.04	<0.1	1.3	0.03	<0.02	9	0.2	0.08	2.5
Q08	Soil	3.1	7.1	0.10	45.5	0.013	<1	0.42	0.036	0.03	<0.1	0.3	<0.02	0.04	18	<0.1	0.07	1.6
Q09	Soil	20.6	21.7	0.56	88.8	0.022	<1	1.32	0.017	0.04	0.5	2.0	0.06	<0.02	24	<0.1	0.03	3.8
Q10	Soil	9.4	7.9	0.19	65.1	0.016	1	0.67	0.043	0.04	<0.1	0.8	0.04	0.03	16	0.2	0.05	1.8
Q11	Soil	13.2	11.2	0.44	63.4	0.003	<1	0.89	0.012	0.05	<0.1	2.4	0.02	0.03	20	0.2	<0.02	1.8
Q12	Soil	3.1	3.9	0.09	29.3	0.012	<1	0.38	0.044	0.03	<0.1	0.3	<0.02	0.03	16	0.2	0.05	1.0
Q13	Soil	7.5	9.9	0.40	66.8	0.008	<1	0.78	0.029	0.03	<0.1	1.0	0.02	0.04	19	0.5	<0.02	1.9
Q14	Soil	9.5	11.0	0.59	29.6	0.002	<1	0.79	0.008	0.04	<0.1	2.2	<0.02	0.04	23	0.1	<0.02	1.6
Q15	Soil	9.7	10.7	0.53	34.3	0.004	2	0.85	0.015	0.03	<0.1	1.9	<0.02	0.04	10	0.2	<0.02	1.7
Q16	Soil	10.8	10.8	0.51	22.7	0.002	<1	0.59	0.010	0.03	<0.1	1.9	<0.02	0.05	7	<0.1	0.07	1.3
Q101	Soil	29.9	32.7	1.07	49.0	0.012	<1	1.79	0.007	0.03	<0.1	3.0	<0.02	<0.02	15	0.2	<0.02	5.0
Q102	Soil	24.4	30.6	1.05	27.9	0.009	1	1.61	0.005	0.03	0.1	2.5	<0.02	0.03	25	0.3	<0.02	4.5
Q103	Soil	29.2	32.0	1.16	37.6	0.012	<1	1.73	0.004	0.03	<0.1	2.6	<0.02	<0.02	<5	0.3	0.04	4.9
Q104	Soil	29.9	33.7	1.18	52.7	0.011	<1	1.82	0.007	0.04	<0.1	3.3	0.03	<0.02	7	0.3	<0.02	5.0
Q105	Soil	4.4	3.2	0.13	44.1	0.019	<1	0.42	0.048	0.03	<0.1	0.5	0.03	0.03	16	<0.1	<0.02	1.3
Q106	Soil	27.6	27.7	0.85	84.9	0.068	<1	1.68	0.021	0.18	0.4	5.1	0.18	<0.02	12	0.3	0.09	5.3
Q107	Soil	21.3	17.0	0.36	63.9	0.029	<1	1.23	0.010	0.05	0.5	1.5	0.13	<0.02	<5	<0.1	<0.02	6.6
Q108	Soil	38.6	28.1	0.69	73.0	0.041	2	1.83	0.010	0.08	0.3	7.1	0.15	0.02	19	0.4	<0.02	4.8
Q109	Soil	35.9	26.0	0.76	82.9	0.018	<1	1.42	0.008	0.03	0.2	5.2	0.04	<0.02	25	0.7	0.03	3.5
Q110	Soil	23.3	22.4	1.05	51.3	0.019	<1	1.28	0.007	0.04	0.1	2.9	0.07	<0.02	5	0.4	0.02	2.9
Q111	Soil	57.7	28.2	0.53	99.6	0.007	<1	1.94	0.007	0.02	0.2	8.2	0.07	0.02	14	0.7	<0.02	3.0
Q112	Soil	25.3	20.6	0.48	101.3	0.009	<1	1.43	0.014	0.04	0.2	3.1	0.06	<0.02	20	0.5	<0.02	4.4

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Project: Risby
Report Date: September 09, 2011

CERTIFICATE OF ANALYSIS WHI11001002.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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
Q113	Soil	1.80	37.06	22.35	43.4	369	27.3	17.0	658	3.77	8.4	0.8	3.3	4.6	115.7	0.23	1.02	0.25	13	2.76	0.078
Q114	Soil	2.62	40.89	30.35	43.0	64	31.1	20.1	887	5.96	13.0	1.2	3.1	17.2	11.6	0.24	0.98	0.43	27	0.11	0.050
Q115	Soil	2.43	28.97	35.09	55.9	35	30.6	19.7	1078	6.07	12.5	1.0	2.5	17.0	7.4	0.40	1.26	0.32	22	0.07	0.048
Q116	Soil	1.35	17.08	19.75	56.0	79	23.8	12.4	516	3.54	10.3	0.7	2.3	7.4	25.5	0.12	1.11	0.27	30	0.28	0.038

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Project: Risby
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CERTIFICATE OF ANALYSIS WHI11001002.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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
Q113	Soil	34.9	15.6	0.49	62.0	0.005	<1	1.18	0.010	0.03	<0.1	4.7	0.04	0.03	68	0.7	0.05	2.3
Q114	Soil	43.2	29.6	0.48	189.4	0.014	<1	2.43	0.006	0.03	0.2	7.5	0.05	<0.02	41	0.5	0.03	3.8
Q115	Soil	35.3	20.3	0.49	73.6	0.009	<1	1.62	0.005	0.03	0.2	6.5	0.05	<0.02	12	0.4	<0.02	3.3
Q116	Soil	30.5	23.4	0.58	114.6	0.012	<1	1.72	0.011	0.03	0.2	4.2	0.06	<0.02	<5	0.3	0.03	4.7

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Project: Risby
Report Date: September 09, 2011

QUALITY CONTROL REPORT WHI11001002.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
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																					
C02	Soil	0.74	21.31	7.05	34.1	66	29.2	9.3	371	1.89	7.5	2.1	1.7	2.9	21.5	0.10	0.73	0.16	29	0.39	0.022
REP C02	QC	0.69	21.52	7.43	34.3	74	29.2	9.2	367	1.87	7.2	2.1	0.9	3.0	20.9	0.09	0.74	0.16	28	0.40	0.022
C103	Soil	0.58	24.28	8.84	51.6	79	28.3	8.9	421	2.06	7.5	0.7	2.0	7.1	21.6	0.14	0.62	0.19	34	0.53	0.052
REP C103	QC	0.66	24.83	9.56	55.6	91	30.6	9.9	436	2.27	8.1	0.8	1.6	7.7	23.9	0.13	0.67	0.22	37	0.58	0.056
Q14	Soil	0.45	18.53	13.97	53.0	39	18.4	12.0	376	2.61	4.3	0.4	0.8	5.0	197.0	0.07	1.14	0.16	6	7.83	0.055
REP Q14	QC	0.46	17.65	13.14	51.4	33	16.6	11.5	351	2.45	4.1	0.4	0.5	4.9	186.6	0.08	1.05	0.15	5	7.45	0.054
Q110	Soil	1.75	30.93	14.04	52.5	94	34.3	17.8	392	3.18	9.3	0.8	0.7	9.2	227.0	0.13	1.12	0.24	20	8.57	0.072
REP Q110	QC	1.86	33.17	15.14	57.7	111	36.2	18.0	421	3.20	10.6	0.8	1.3	10.1	247.3	0.19	1.16	0.28	20	9.08	0.075
Reference Materials																					
STD DS8	Standard	13.39	112.4	122.5	312.1	1703	39.5	7.8	587	2.43	26.5	2.8	109.6	6.8	60.5	2.16	5.39	6.07	39	0.70	0.078
STD DS8	Standard	14.79	115.4	138.1	339.6	1674	38.6	8.3	643	2.61	28.0	2.9	128.3	7.0	76.9	2.53	6.49	7.73	43	0.75	0.087
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	<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	<0.01	<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

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Report Date: September 09, 2011

QUALITY CONTROL REPORT WHI11001002.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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																		
C02	Soil	9.6	34.9	0.56	118.9	0.043	2	0.99	0.014	0.12	0.2	2.2	0.06	<0.02	9	0.5	0.03	3.1
REP C02	QC	9.8	34.9	0.56	120.7	0.042	1	0.98	0.014	0.12	0.2	2.2	0.06	<0.02	16	0.6	<0.02	3.2
C103	Soil	16.3	31.1	0.68	138.5	0.066	2	1.09	0.015	0.11	0.3	3.0	0.11	<0.02	33	<0.1	0.03	3.6
REP C103	QC	17.5	33.8	0.76	152.2	0.071	2	1.21	0.017	0.12	0.4	3.4	0.11	<0.02	23	0.1	0.03	3.9
Q14	Soil	9.5	11.0	0.59	29.6	0.002	<1	0.79	0.008	0.04	<0.1	2.2	<0.02	0.04	23	0.1	<0.02	1.6
REP Q14	QC	8.8	10.1	0.55	28.6	0.002	2	0.64	0.007	0.03	<0.1	2.0	<0.02	0.04	15	0.1	<0.02	1.6
Q110	Soil	23.3	22.4	1.05	51.3	0.019	<1	1.28	0.007	0.04	0.1	2.9	0.07	<0.02	5	0.4	0.02	2.9
REP Q110	QC	24.5	22.6	1.13	52.7	0.019	1	1.34	0.007	0.04	<0.1	3.1	0.06	<0.02	20	0.4	0.08	3.2
Reference Materials																		
STD DS8	Standard	15.5	117.5	0.60	271.0	0.113	3	0.89	0.082	0.40	3.2	2.1	5.31	0.16	184	5.2	5.11	4.7
STD DS8	Standard	18.2	122.0	0.64	297.6	0.123	2	1.01	0.112	0.45	3.3	2.1	6.03	0.16	211	5.4	5.59	4.8
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	<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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