Geophysical and Geochemical Assessment Report:

High Resolution Resistivity/Induced Polarization Survey
& Soil Sample Program

RUDE CREEK Project

Claims in Group:

Royal 1-12	YC60328-39
ANN 1-316	YD109321-636
Poker 77	YD18977

WHITEHORSE Mining District

NTS: 115J/10

Latitude: 62.666^{o} N Longitude: -138.576 ^{o} W

Geochemistry Work Performed On: 31 July, 2014

Geophysics Work Performed On: 25-28 August, 2014

Prepared for 0890763 BC Ltd.

By GroundTruth Exploration

Written by: Chad Cote (BSc) Jan 20, 2015

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1 Introduction

0890763 BC Ltd commissioned Ground Truth Exploration Inc. ("Ground Truth") out of Dawson City, Yukon to do soil sample and resistivity/IP surveys on their Rude Creek gold claim block (the "Property"). The Property is located in Yukon's White Gold belt, approximately 100kms West of Pelly Crossing, 25km south of, and on structural trend with, Kaminaks Coffee gold project, in the Whitehorse Mining District on NTS Map Sheet 115J/10 (Figure 1). The approximate center of the property is 62.666^{o} N Lat, -138.576 ^{o} W Long.

172 soil samples were collected on the property on 31 July, 2014. These samples were designed to validate and infill previous geochemical surveys, as well as provide support for interpretation of the Resistivity/IP profiles.

A grid of six Resistivity/IP profiles was surveyed over the geochemical anomaly on 25-28 August, 2014. The purpose of the IP survey is to define the underlying geological structure and horizontal extent of mineralized zone, in order to produce drilling targets for follow up work.

Results and interpretation of these surveys form the basis of this report.

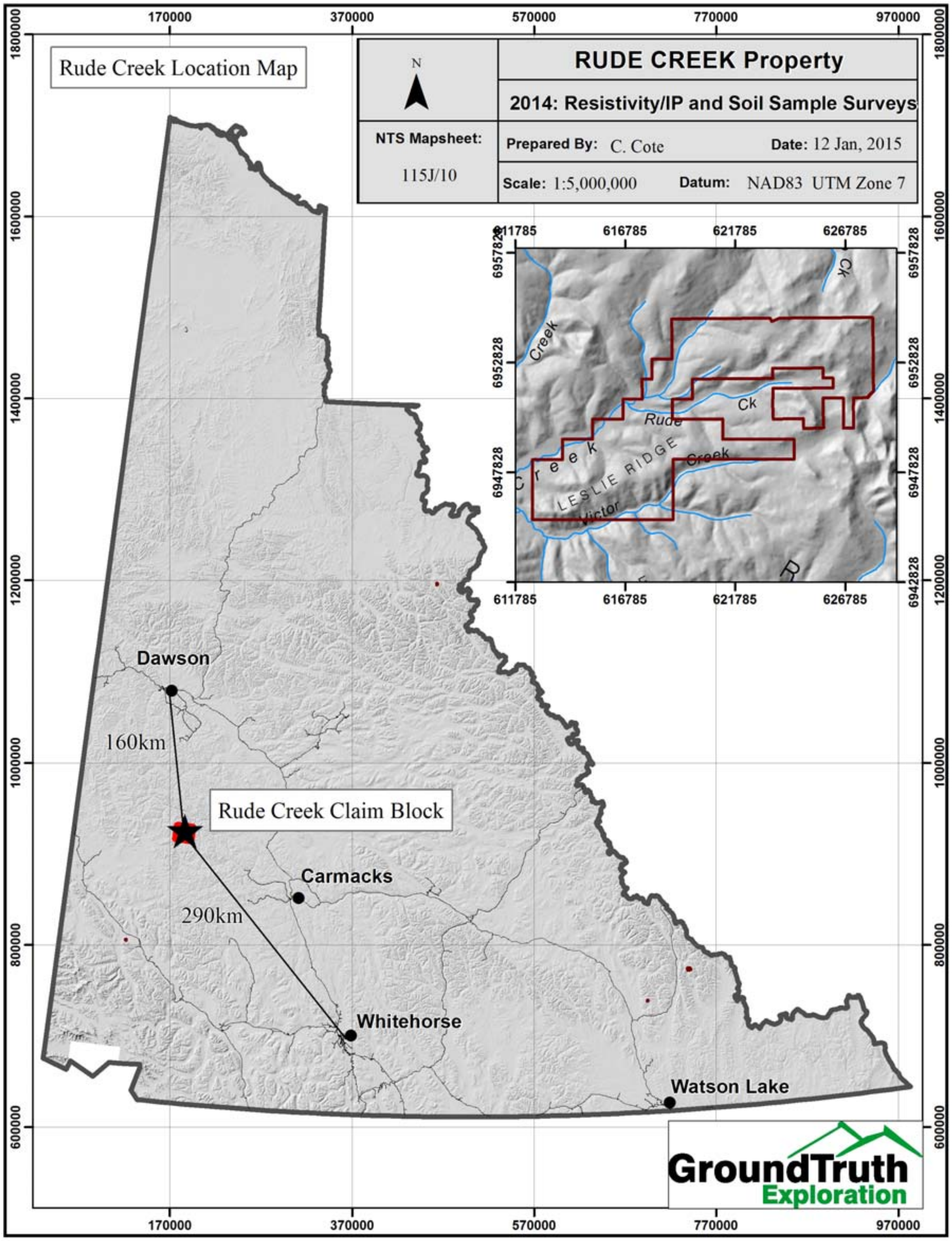
2 Property Description

The Rude Creek Property is located in the central-western part of Yukon, approximately 100km west of Pelly Crossing, 135km northwest of Carmacks and 160km south of Dawson City (figure 1). The center of the property is located at Latitude 62.666^{o} N and Longitude -138.576 ^{o} W.

The property is located in an unglaciated region of the Dawson Range. Elevations range from 760m to 1430m. Vegetation is typical of the Boreal forest, with mixed white and black spruce forests in valley bottoms, stunted black spruce and moss matt forests underlain by permafrost on north facing slopes and as elevation increases, transitioning into moss, talus and felsenmeer with increasing elevation. Tors are common on ridgetops in the area. The typical climate of the area is moderate precipitaiton, warm summers, and cold winters.

Access to the property is by helicopter from Dawson or Carmacks, or by fixed wing to the Rude Creek Airstrip, on claim: POKER 56. There are local roads located on the property, including a winter road to the Sonora Gulch Property last used in 2010 by Western Copper.

Figure 1: Location Map

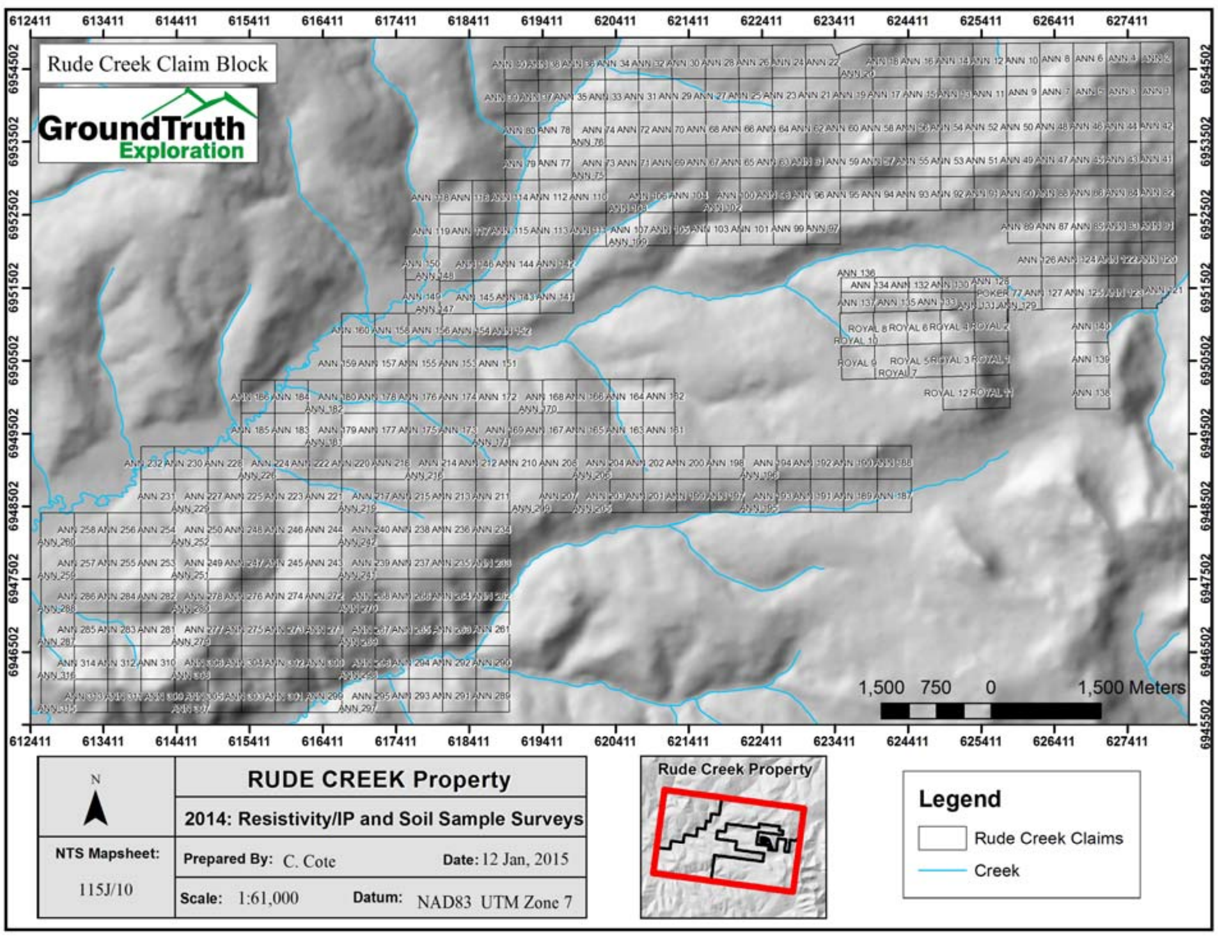


3 Claim Information

The Rude Creek Claim block, registered in the Whitehorse Mining district on mapsheet 115J/10. (figure 2, Appendix D), encompasses 6761 hectares and is composed of the following 329 claims:

Claim name	Grant Number	Owner	Operator
Royal 1-12	YC60328-39	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd
ANN 1-316	YD109321-636	0890763 BC Ltd – 100%	0890763 BC Ltd
Poker 77	YD18977	0890763 BC Ltd – 100%	0890763 BC Ltd

Figure 2: Claim Map



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4 History

The Haxe occurence (Minfile #115j 020) is located 200m east of the 2014 geophysics and soil sample grid on claim Royal 5 (figure 3). A history of the area surrounding this minfile is summarized below by B. Jaworski, in his YMEP application:

"After an extensive data compilation and target selection exercise in early 1999 by Prime Properties Syndicate, the Rude Creek area was first identified as one of six strong intrusive related (Pogo style) target areas within the western portion of the Canadian Yukon Tanana terrain. Previous workers in the Rude Creek area focussed on later stage (Late Cretaceous) Casino style Cu-Mo mineralization. However, geochronological data released in 1995 allowed for a clear spatial and temporal distinction between Mid-Cretaceous and Late-Cretaceous geology at Rude Creek. This distinction justified a new exploration model to be tested in the area.

Key attributes identified at Rude Creek by Prime Properties in 1999 were as follows:

- G.S.C. silt geochemistry strongly anomalous in Au (300 ppb), As (44 ppm), W (50 ppm) and Sb (5.2 ppm), moderately anomalous Mo and weakly anomalous Sn (Bi, Te not available in database). Reported occurrence of bismuth (Bi) and scheelite (calcium tungstate) in the placers. Quartz vein occurrences in the area.
- Mid Cretaceous intrusives, with coincident magnetic high anomalies and felsic composition, regionally intruding schist and gneiss of the Yukon Tanana Terrane.
- Spatial association with northwesterly and north-easterly trending structures.
- A long history of placer mining.

After the initial field season in 1999 (by optionee Prospector International), the six target areas were filtered down to two key properties: Rude Creek and Coffee Creek. In 2000, follow-up work consisting of grid soil sampling successfully identified strong anomalies on both properties. At Coffee Creek, further work by Shawn Ryan at led to Kaminak optioning the ground and discovering a large scale gold system (currently totalling 3.4moz grading 1.36 g/t in Inferred and 0.72moz grading 1.56 g/t in Indicated).

At Rude Creek, the 1999 and 2000 field programs identified an east-west trending, 150-metre by 550-metre Au-in-soil anomaly, defined by the 90th percentile value

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of 38 ppb Au. Gold values reached up to 1254 ppb and 331 ppb Au and were coincident with Bi (up to 39.35 ppm), As (up to 157 ppm) and Ag (up to 3071 ppb). The anomaly remains open to the east and west and is underlain by locally tourmaline-bearing, rusty, silicified, potassically-altered and chloritized biotite-hornblend granodiorite.

The following is a summary of work to date on the Royal 1-12 claims (the key part of our Rude Creek project; covered by the 'EIO' claims in 1999/2000):

- 1999: 4 mandays including 16 reconnaissance soil samples, 2 rock chip samples, 1 float sample and several hand-samples (see compilation map in Exhibit 18);
- 2000: 1 silt sample, and 75 grid soil samples collected at 50m spacings along lines 100m apart (see compilation maps in Exhibits 19-22);
- 2004/2005: Prime Property's EIO claims expired; Shawn Ryan stake the area thereafter as the Royal 1-12 claims;
- 2007: Shawn Ryan conducted a one-day reconnaissance soil line (see Exhibit 13);
- 2011: Ethos Exploration optioned the ground from Shawn and subsequently conducted a reconnaissance soil line; the limited level of work was likely related to the small size of the property position (see Exhibit 13).

In 2010, I decided to stake the remainder of the Rude Creek area. I teamed up with a few well-respected brokers from Raymond James, my colleagues at the time. We formed a private company (0890763 B.C. LTD) and proceeded to stake the ANN 1-316 claims. We optioned the claims to Silver Quest Resources Ltd. (SQI-V) who conducted the following work program in 2011 (covering ANN 1-316, various Poker claims, various BC claims and KC1-12 claims):

- Airborne magnetic and radiometric geophysical survey (1351 line km), totalling approximately $140k; the work confirmed there was a large (roughly 10km x 10km mag-high anomaly centred around the headwaters of Rude Creek; see Exhibit 11 below);
- Reconnaissance soil sampling (321 samples; B horizon); results identified a roughly 2km x 3km area of strong (>98%ile) anomalism located in the NE portion of the ANN 1-316 claim block (immediately north of the headwaters of

Rude Creek). Anomalous elements included Au-Bi-As-W-Sn. The highest gold-in-soil sample totalled 87ppb (versus 98%ile for gold was 18.6ppb)."

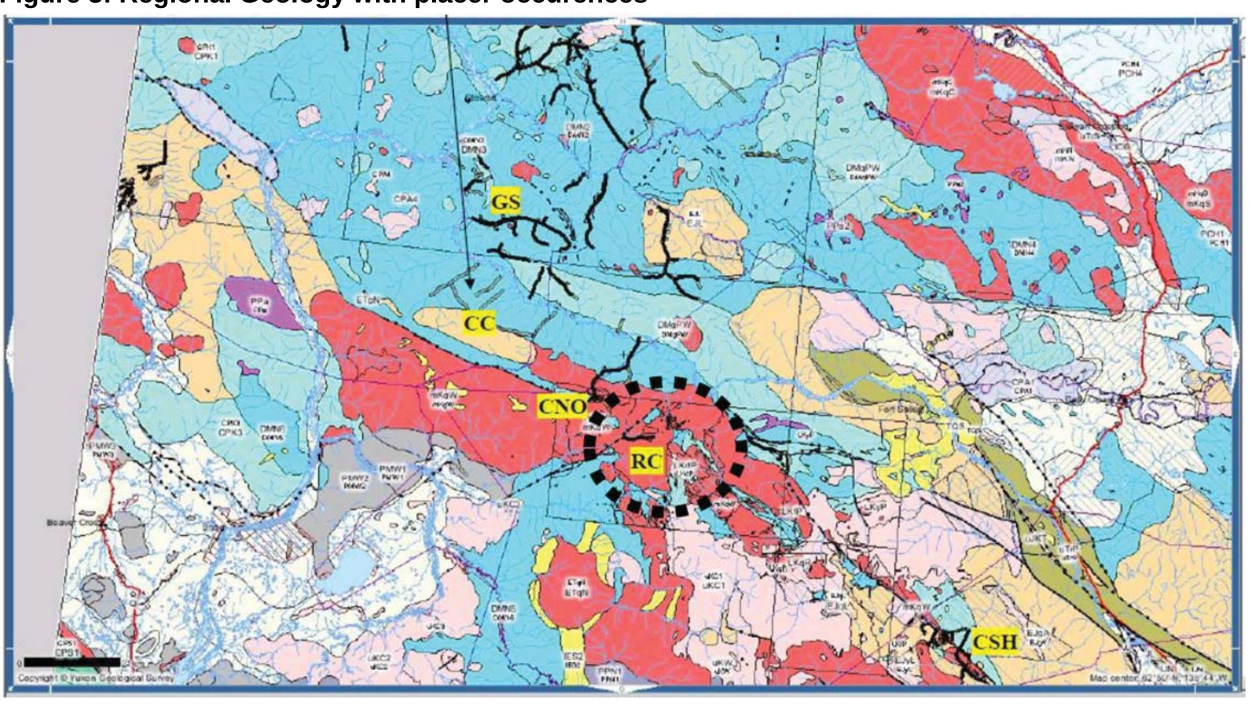
5 Geology

5.1 Regional Geology

The Project area occurs within the Yukon Tanana Terrane, which underlies much of the central and western Yukon and east central Alaska. The property area itself is mapped as Middle to Late Cretaceous calc-alkaline I-type quartz monzonite and hornblende granodiorite (Gordey et al, 2003). The major structure mapped in the area is the NW-SE trending strike-slip Dip Creek Fault.

The Rude Creek area (dotted circle, figure 3) is drained by a historical and currently producing placer creek, and underlain by mid-cretaceous granodiorites. The Casino copper-molybdenum porphyry deposit borders it to the north-west, and the Mount Cockfield "failed porphyry" system borders it to the south-east. The occurrence of the Casino and Mount Cockfield porphyry systems indicate the presence of deep structural breaks in the region. The NE/SW trending regional structure separating the Rude Creek area from the Casino area may be a result of longterm magmatic activity in the area. (taken from YMEP Application)

Figure 3: Regional Geology with placer occurences



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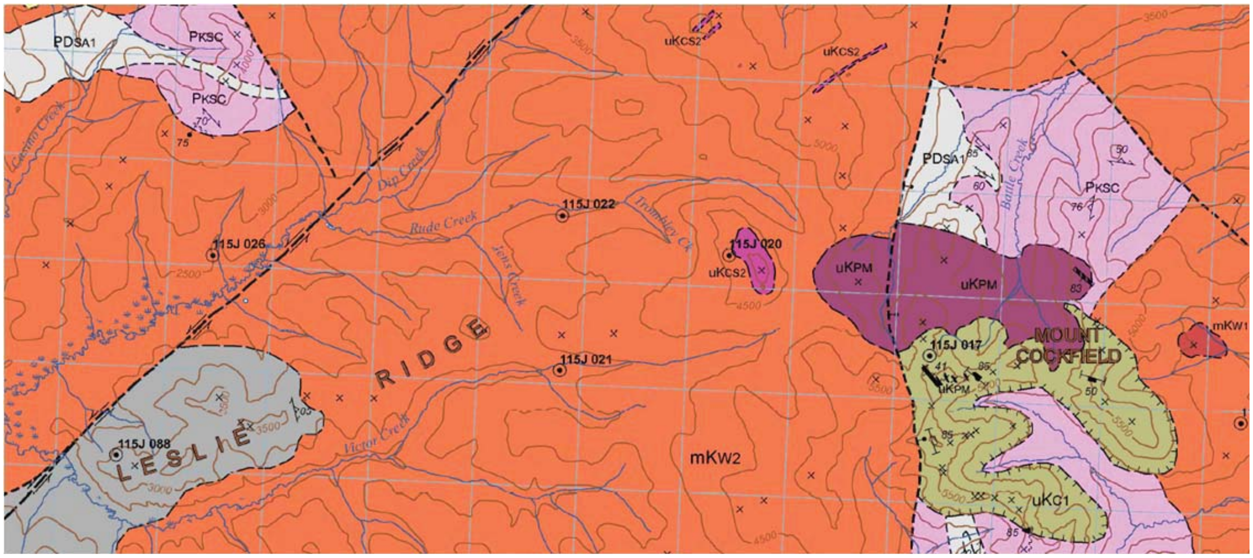
Source: Yukon Geological Survey; Bart Jaworski

5.2 Property Geology

Geology on a property scale consists almost entirely of mid Cretaceous Dawson Range granodiorite of the Whitehorse Suite (as per Jim Ryan et all, 2013). At the headwaters of Rude Creek and Trombley Creek is a newly mapped plug of Upper Cretaceous quartz monzonite to dacite porphyry. An old showing (115J020) called Haxe occurs on the western edge of this plug, consisting of polymetallic Ag-Pb-Zn, +/-Au veins. The Haxe occurance may be related to late Cretaceous events (i.e. not part of the mid-Cretaceous intrusive related target).

Figure 4: updated Local Geology detail



Source: GSC(Jim Ryan, et al, 2013)

6 Geophysics: Resistivity/IP Survey

6.1 Personnel

The survey was conducted by the following GroundTruth Exploration personnel:

1. Matthew Emmett Lead Geophysical Operator and Crew Chief
2. Kyle Boggild Secondary Lead and GPS Technician
3. Janna Stecyck Geo Technician
4. Julian Moore Geo Technician
5. Phil Severinson Geo Technician

6.2 Resistivity/IP Survey Details

The High Resolution DC ("HRDC") Resistivity ("Res") and Induced Polarization ("IP") surveys were conducted from August 25-28, 2014.

The six grid lines (ROYIP14-01 to -06) are each 415m long, with 5m electrode spacing and a Northerly bearing. This gives the survey an optimal horizontal resolution of 2.5m and a maximum reading depth of 90m.

Each traverse was surveyed using both the Dipole-Dipole and Inverse Shlumberger arrays to provide the most robust data set possible in terms of data density and survey geometry. The Dipole-Dipole array is optimized to delineate vertical structures within the geology and the Inverse Shlumberger array is a sounding array optimized to delineate horizontal structures (Appendix C). Resistivity and induced polarization measurements are taken at every reading to give complementing data.

All traverses are surveyed with a ProMark3 differential GPS units and post processed using GNSS Solutions to obtain accurate horizontal and vertical electrode position.

6.3 Field Survey Operating Procedures:

- A crew of 5 is utilized to run the survey.
- The midpoint of a traverse is located and the line is sighted-in using a DGPS.
- Crew places electrode at 5m spacing with measuring tape
- Electrodes are hammered to a depth of 50cm (10% of electrode spacing)
- Cables are laid and attached to the electrodes
- Contact resistance test is conducted
- Calcium Chloride (25% solution) is added to all electrodes >2k ohms. CRT reread.
- Extra electrodes added to high CR electrodes. CRT reread.
- With satisfactory Contact Resistance, Survey is Read.
- Operator surveys the traverse using DGPS and marks the traverse with pickets every 50m.
- Crew prepares the next line.

6.4 Data Processing

In addition to real time quality control of all measurements, collected data is downloaded in the field after every array and checked for integrity. This allows any field errors to be identified before moving the equipment. The RES/IP data is processed daily by the lead operator using EarthImager2D software provided by Advanced Geosciences Inc. Resistivity data-misfits are removed and the cleaned data-set is inverted. The same process is done with the IP data. Terrain corrections are applied to the inversions using previously collected DGPS data. The DGPS data is processed using GNSS Solutions software. A .csv is created containing the DGPS traverse points collected. All instrument raw data from the DGPS and SuperSting are archived.

An ESRI shape file is created containing the traverse points collected.

As an additional step to aid in interpretation, all inverted sections are imported into Geosoft software, and organized in a georeferenced 3D database (ie with xyz coordinate information). This database is then gridded into voxels (3D Grid) for both resistivity and IP. A voxel is a 3D equivalent of a 2D pixel,

Vertical Section grids (.grd) are then generated from the voxel along each profile read in the field. Horizontal section grids (.grd) are sliced from the voxel at any required interval.

When relating sections extracted from geosoft voxels to 2D sections obtained from AGI Earthimager 2D inversion, the following information needs to considered:

In Earthimager, merged and inverted 2D data for each traverse is individually scaled. This enables maximum contrast and detail within each profile, however care must be taken when comparing sections across different lines, as the colour scales may differ.

Voxels created using Geosoft, as well as the horizontal and vertical grids derived from them, are gridded and displayed using an equalized colour ramp, and the derived sections are therefore comparable for different lines or sections. Conversely, smaller details are lost in the plan maps as data is interpolated between lines, so the overall resolution drastically reduces as a direct function of line spacing.

6.5 Discussion of Results

Standard pseudo-sections are included (in data files) in conjunction with inversions in order to provide an opportunity to cross reference the raw data with the inversion for the best interpretation of the data possible.

The Schlumberger Inverted array has the best overall signal-to-noise ratio and the most lateral coverage. The Dipole-Dipole array shows the best definition of vertical structures and is therefore more suited to finding the apparent dip of the underlying structures. Combining these arrays during data processing offers the best compromise of their strengths, while giving the added benefit of cross referencing values with different measurement geometries.

The terrain in the eastern quadrant of the survey is overlain by coarse talus, which is difficult to obtain good electrical contact due to the air voids present between rocks.

Resistivity data obtained for all lines are of good quality. This is attributed to the crew maximizing the electrical contact potential for all electrodes, and diligent in-line and off-line data quality control. The IP data is of moderate to good quality, but contains more noise due to talus effects than the resistivity as it is a far more sensitive survey. This is most apparent in lines 05 and 06 in the east, and results in some loss of confidence with these lines, although they do show reasonable correlation with trends found on the western portion of the survey.

6.6 Results

Figure 5: Location of RES/IP Lines

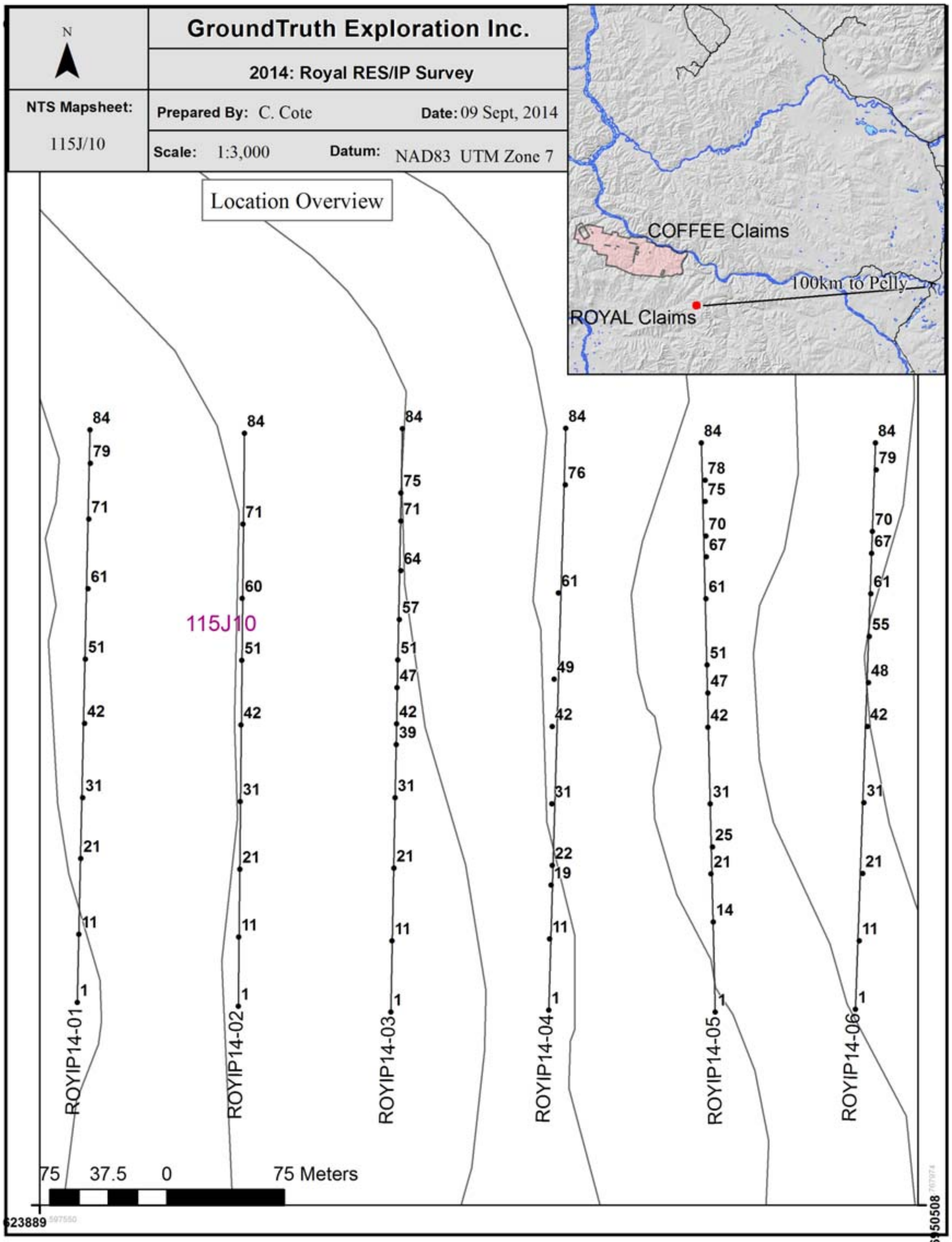


Figure 6: Location of RES/IP lines in relation to claims

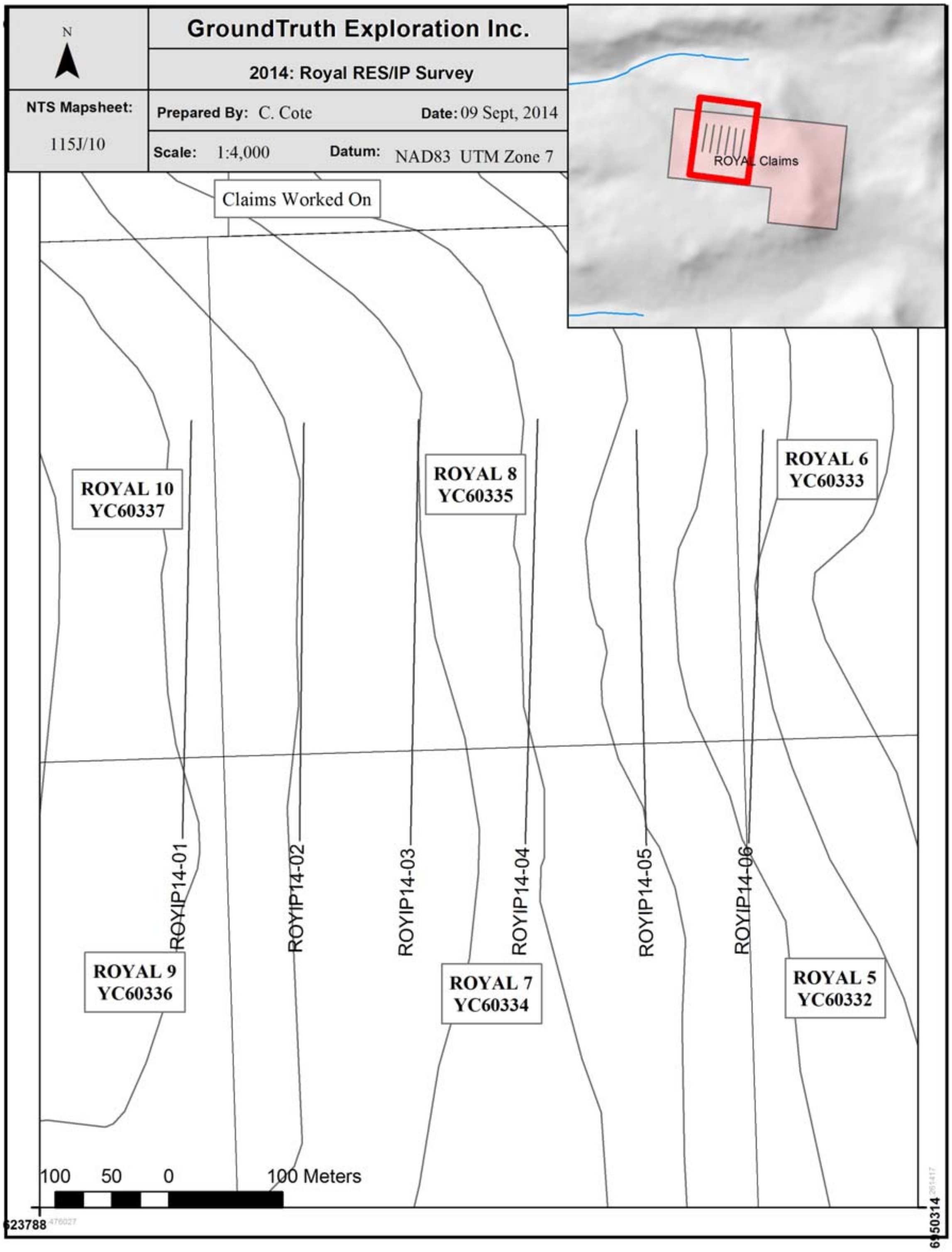


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Figure 7: ROYIP14-01 Resistivity

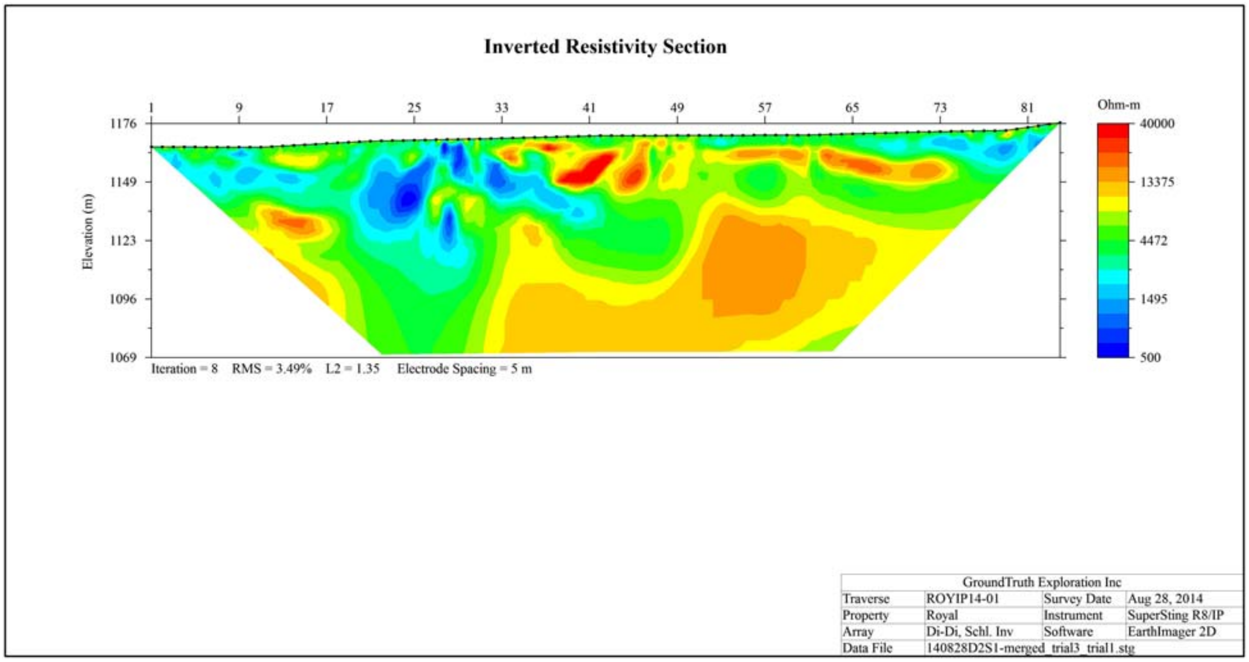


Figure 8: ROYIP14-01 IP

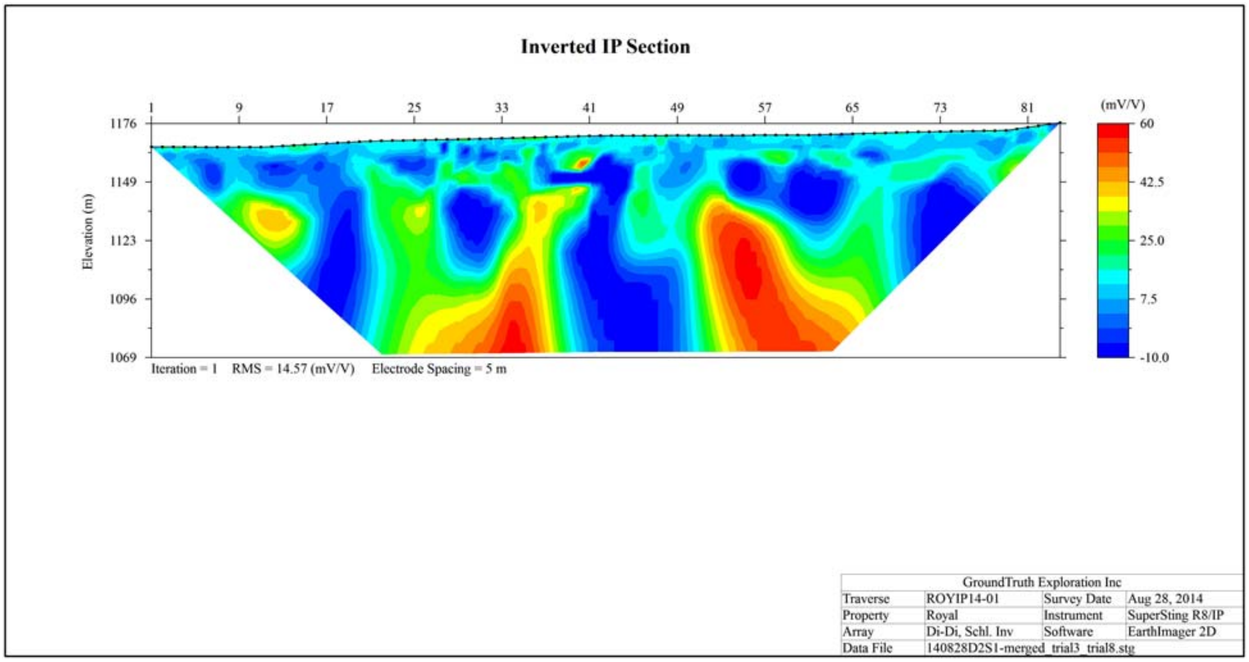


Figure 9: ROYIP14-02 Resistivity

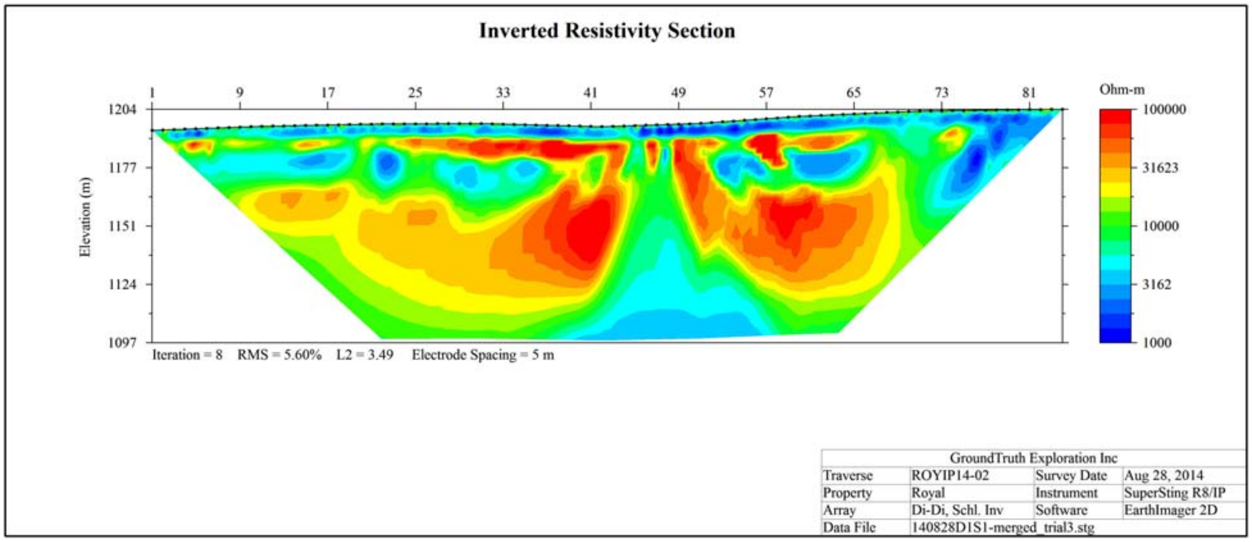


Figure 10: ROYIP14-02 IP

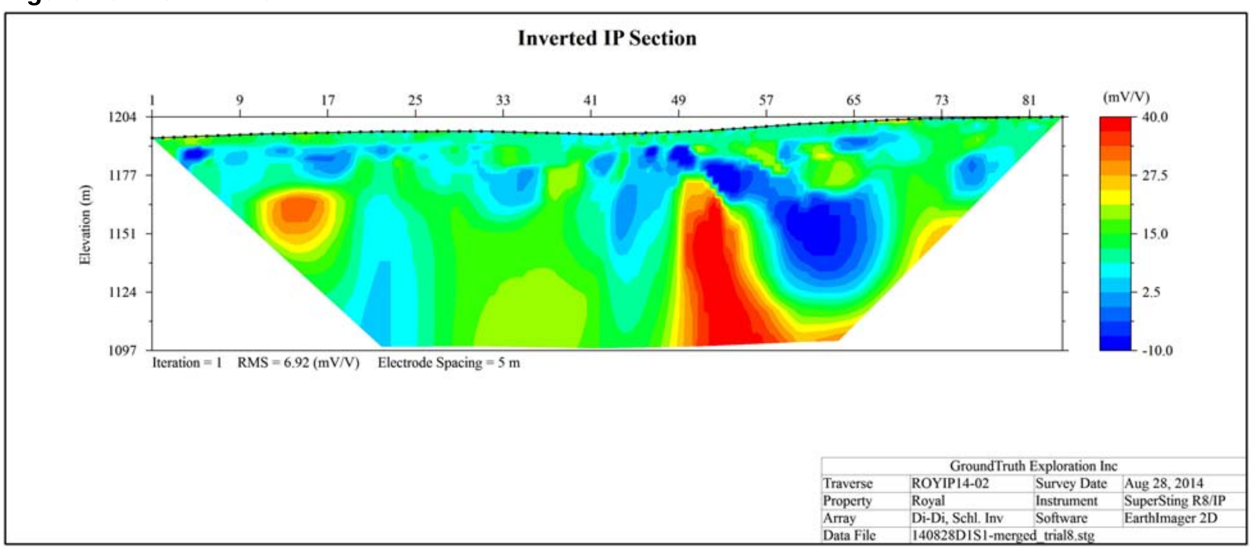


Figure 11: ROYIP14-03 Resistivity

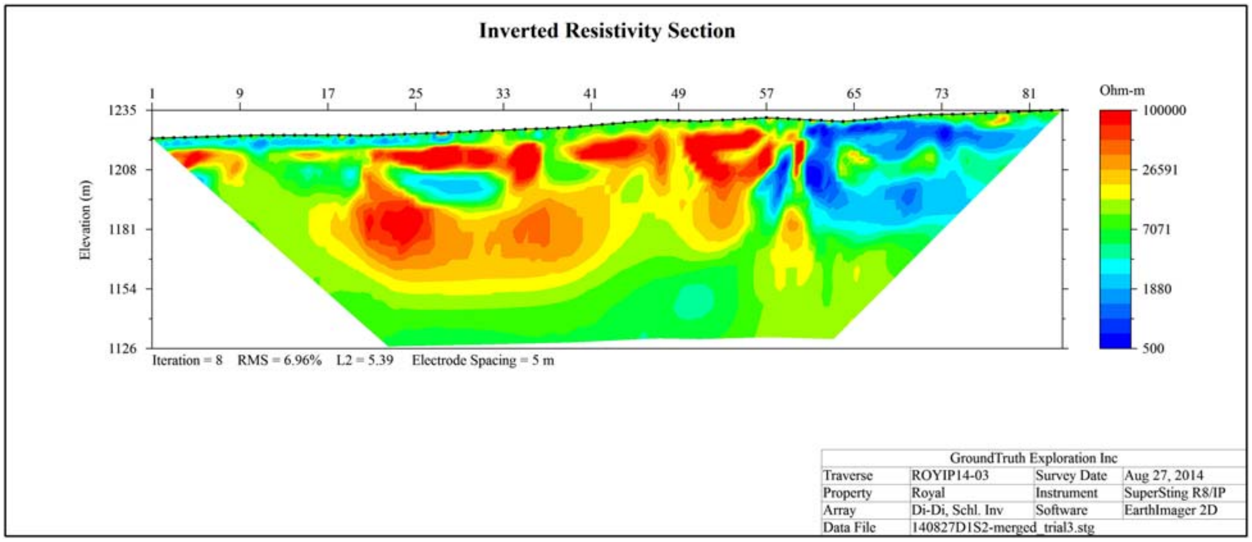


Figure 12: ROYIP14-03 IP

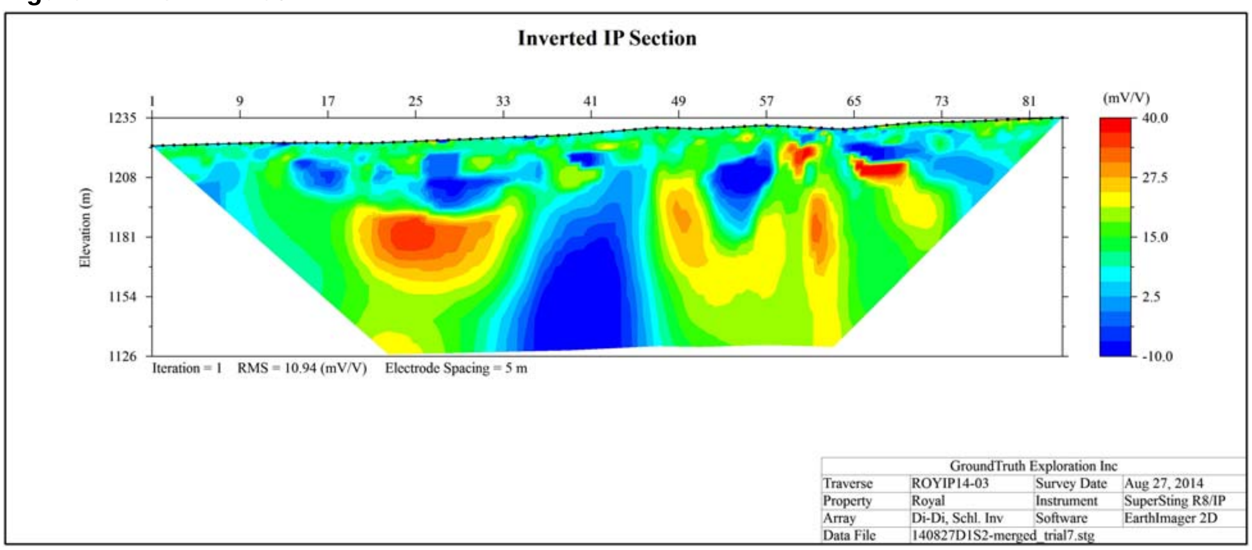


Figure 13: ROYIP14-04 Resistivity

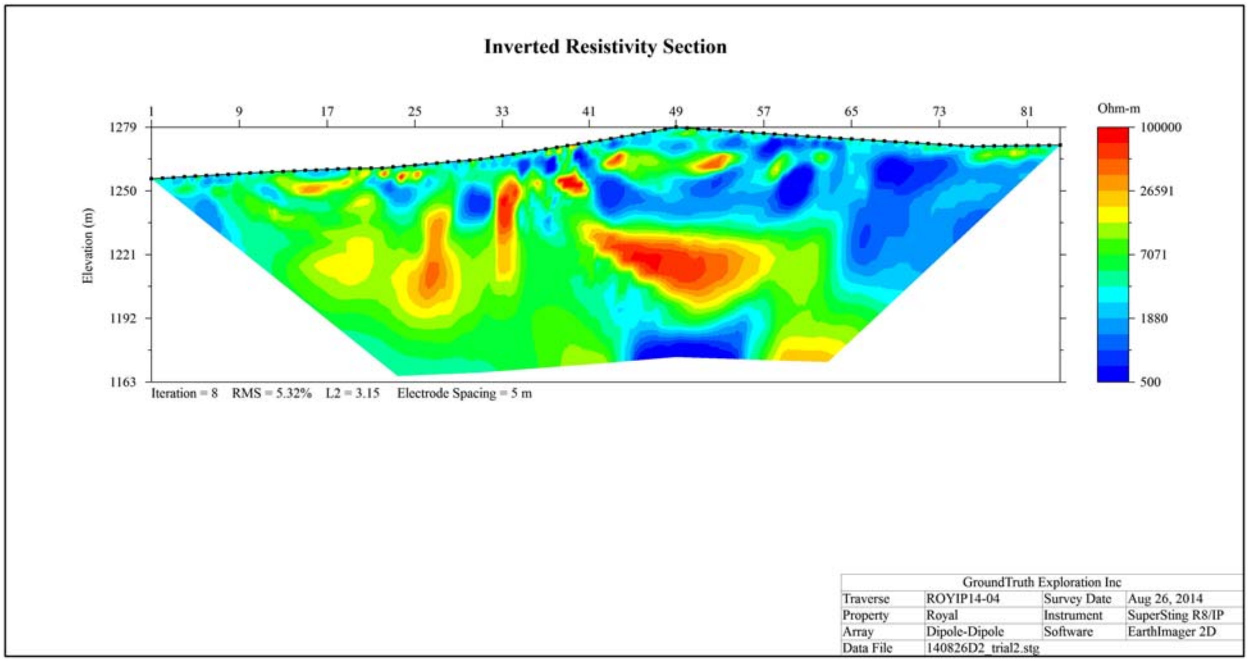


Figure 14: ROYIP14-04 IP

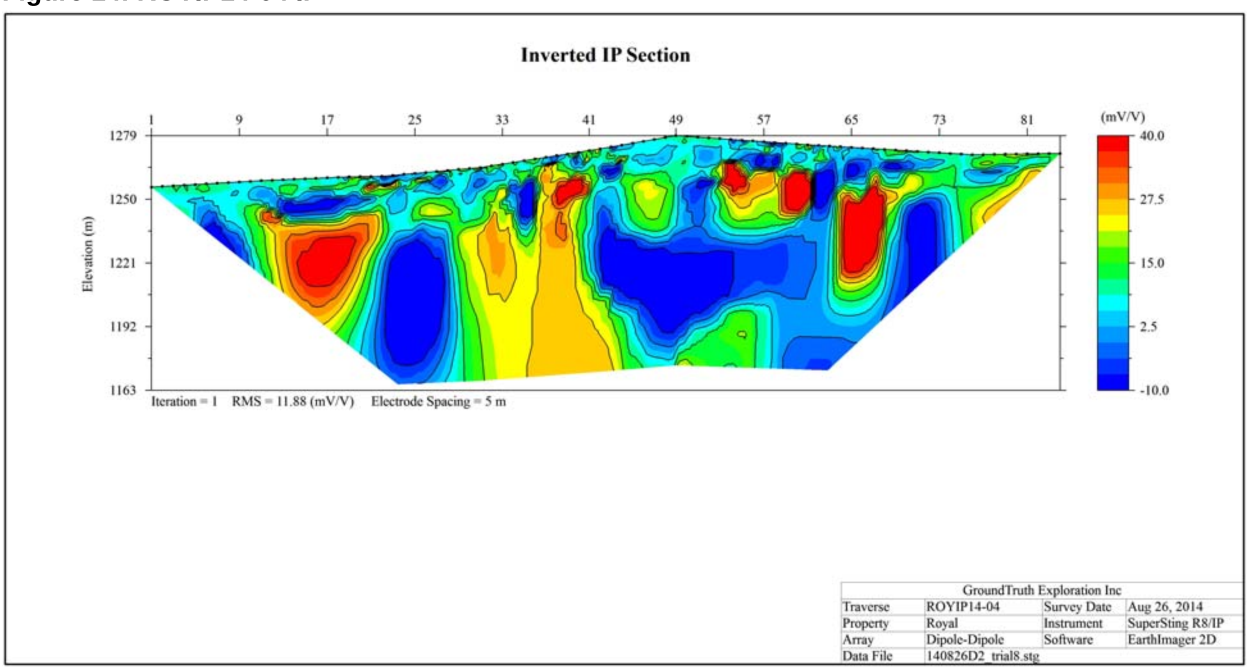


Figure 15: ROYIP14-05 Resistivity

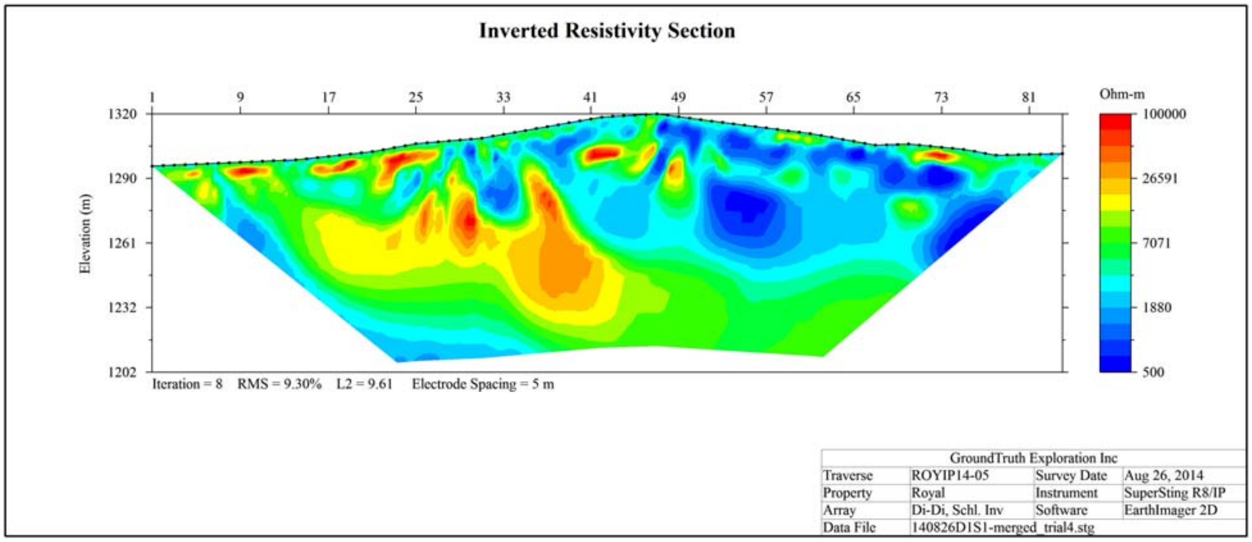


Figure 16: ROYIP14-05 IP

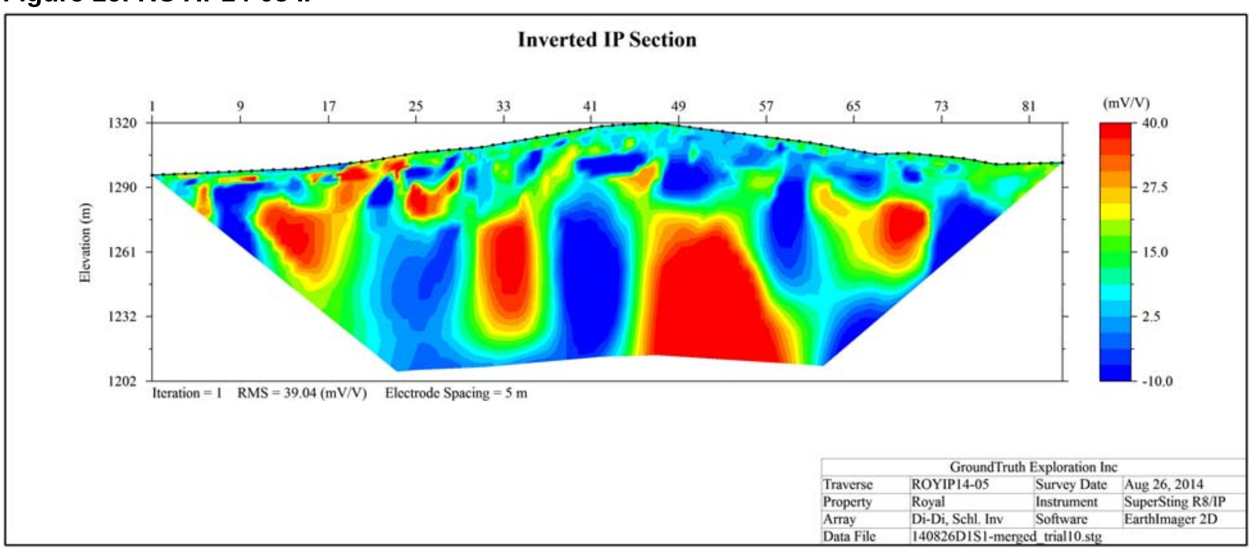


Figure 17: ROYIP14-06 Resistivity

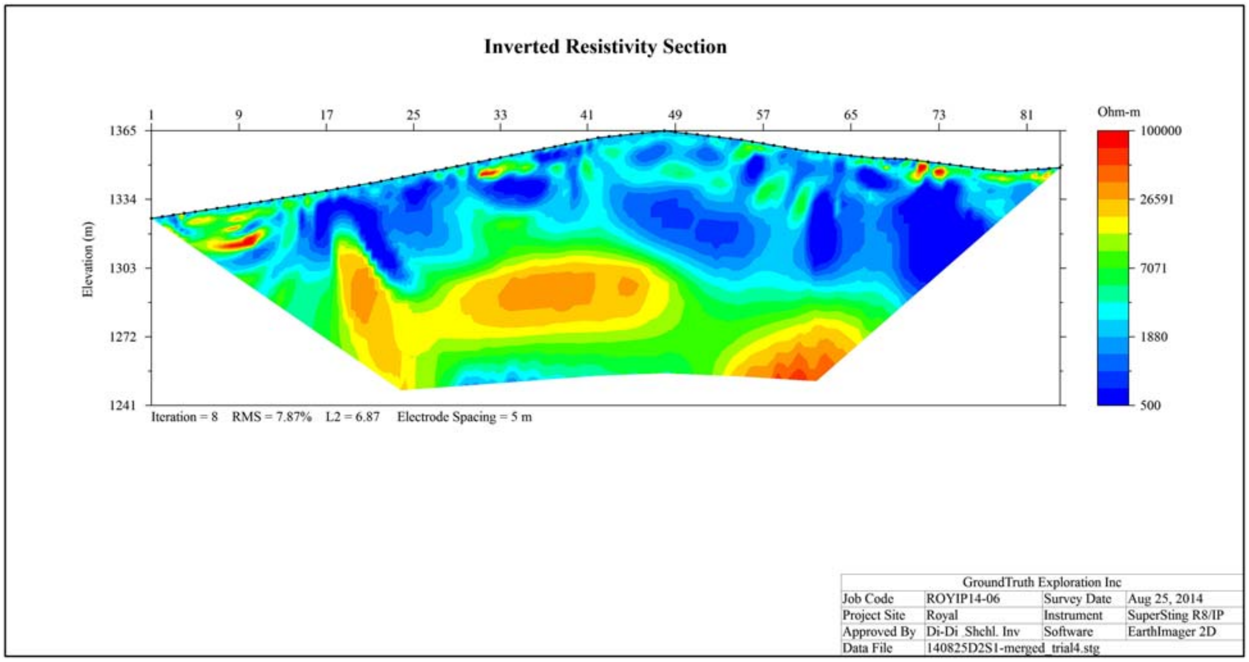
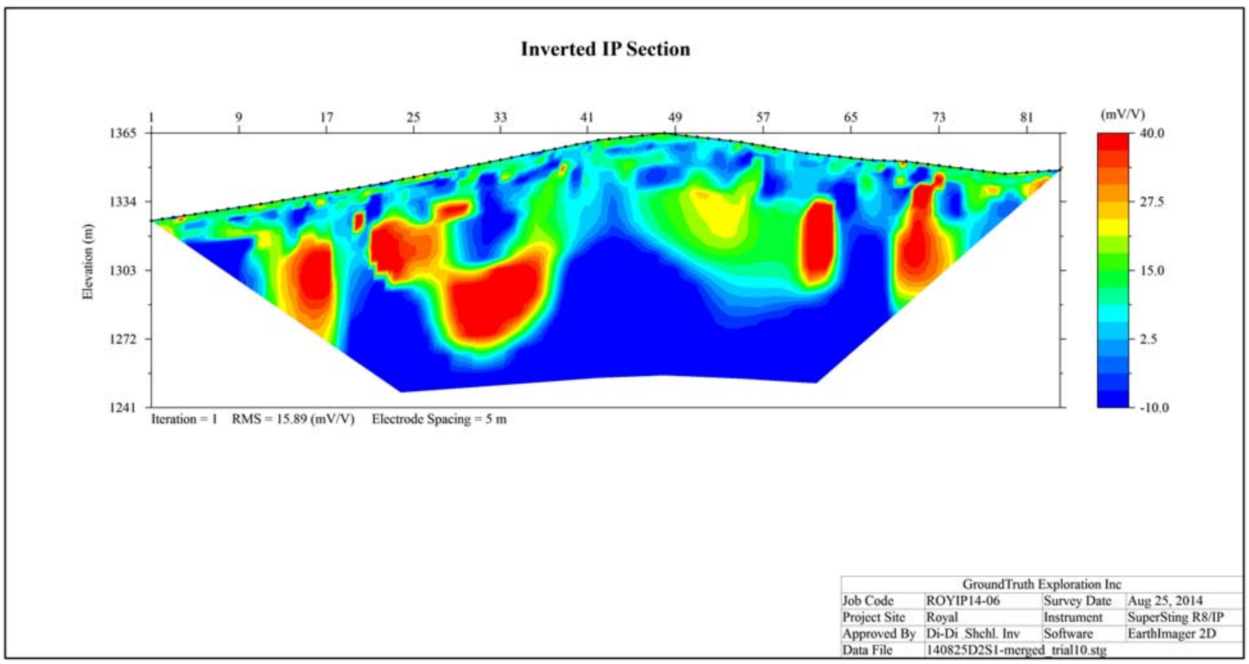


Figure 18: ROYIP14-06 IP



7 Geochemistry: Soil Survey

7.1 Introduction

The 2014 soil program consisted of sending a 5 man crew from Dawson City for a one day detailed sampling program to collect 172 soil samples at 25m intervals on 7 parallel north/south traverses with 100m line offset, and one 1.1km north-west oriented recce traverse.

The objective of this detailed soil survey is to further define a historic gold-in-soil anomaly at this location.

Sampling took place on the 31 July, 2014. The crew was camped on a nearby job site and flew to the grid lines from this location via helicopter. No camp mobilization costs were accrued.

7.2 Personnel

The survey was conducted by the following GroundTruth Exploration personnel:

1. Connor Paquette Crew Boss
2. Julian Moore Geo Technician
3. Phillip Severinson Geo Technician
4. Francis Langtree Geo Technician
5. Daniel Hozan-Brown Geo Technician

7.3 Soil Sampling Survey Procedure

The survey is completed in the field according to the following procedure:

All sampling traverses are pre-planned, with pre -specified sampling intervals, typically 50m. Field technicians navigate to sample site using handheld GPS units. The soil sampler arrives at each sample site, identifies the most appropriate location to collect the sample and lays out a sheet of plastic (12"x20" ore bag). The soil sample is taken using an Eijklcamp brand hand auger at a depth of between 20cm and 110cm. Samplers strive to consistently collect C-Horizon sample material. Where necessary (rocky or frozen ground) a prospector's pick ('mattock') is used to obtain the sample.

The soil is laid out on the sheet of plastic in the order it was recovered from the sample hole. Two Standardized photos are taken at each sample site- 1) Sample Location photo: across slope, 5m from sample hole with auger inserted and 2) Sample Profile photo: Close up of sample laid out on ore bag with barcode tag and munsell color chart in photo.

The sampler places the necessary amount of soil (400-500 grams) from the bottom of the hole into a kraft sample bag. The bag labeled with the 3-letter project and tagged with a plastic barcode ID tag containing a unique 7 digit sample identification number is inserted. A plastic barcode ID tag with the sample identification number is attached to a rock or branch in a visible area at the sample site along with a length of pink flagging tape.

A field duplicate sample is taken once for every 25 samples. Both samples are given unique Sample identification number. The data for both samples is recorded and a note is made indicating the duplicate and its corresponding sample identification number. At client's discretion, standard reference material is inserted into the sample stream at an interval of 1:50.

The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD 83 format, and the waypoint is labeled with the project name and the sample identification number. A weather-proof handheld device equipped with a barcode scanner is used in the field to record the descriptive attributes of the sample collected. This includes: sample identification number (scanned into device at sample site), soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information. As well, the GPS coordinates are entered into the handheld device as a secondary backup in case of GPS failure.

7.4 Results

Figure 19: 2014 Soil Survey - Gold

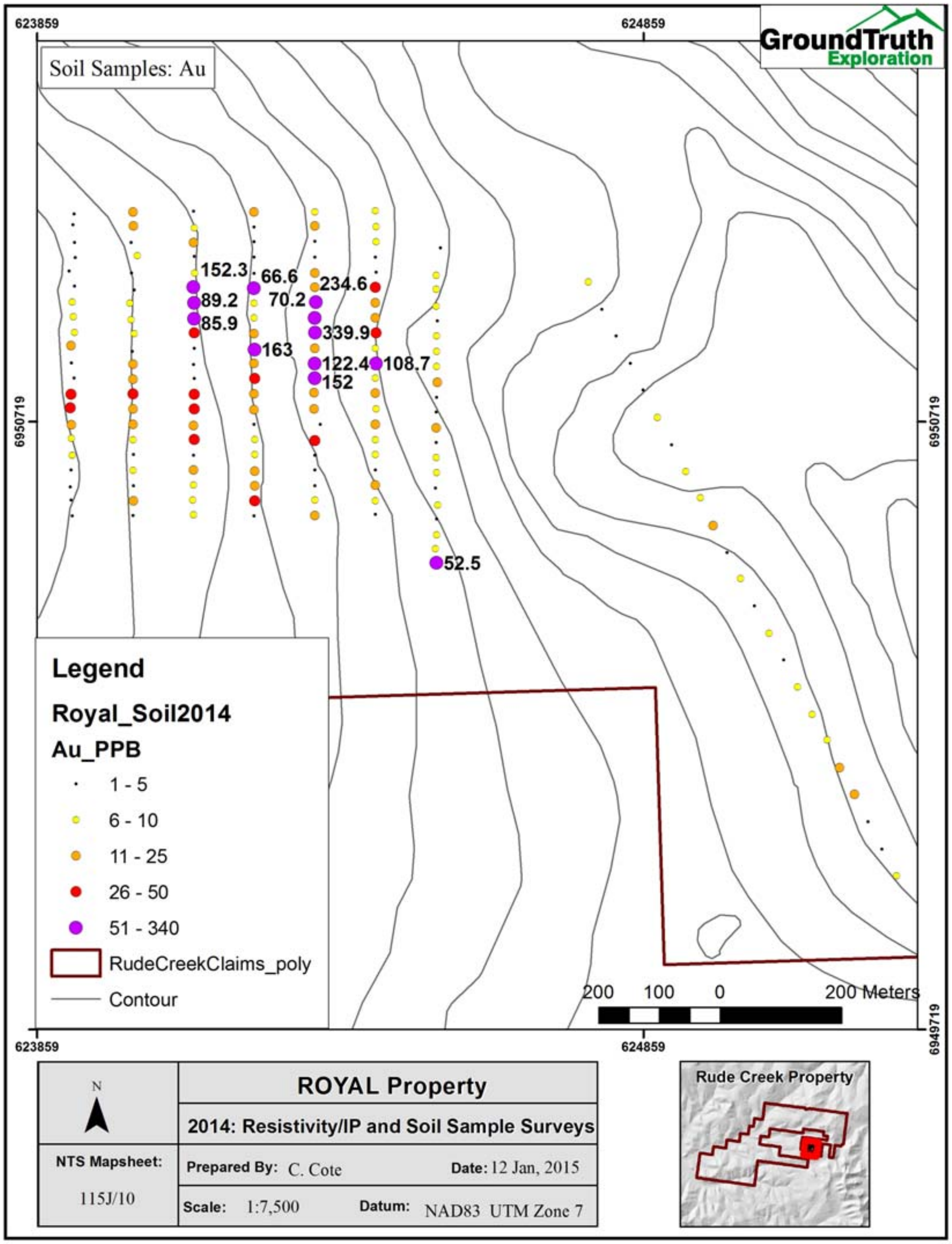


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Figure 20: Gold-in-soil with RES survey in background

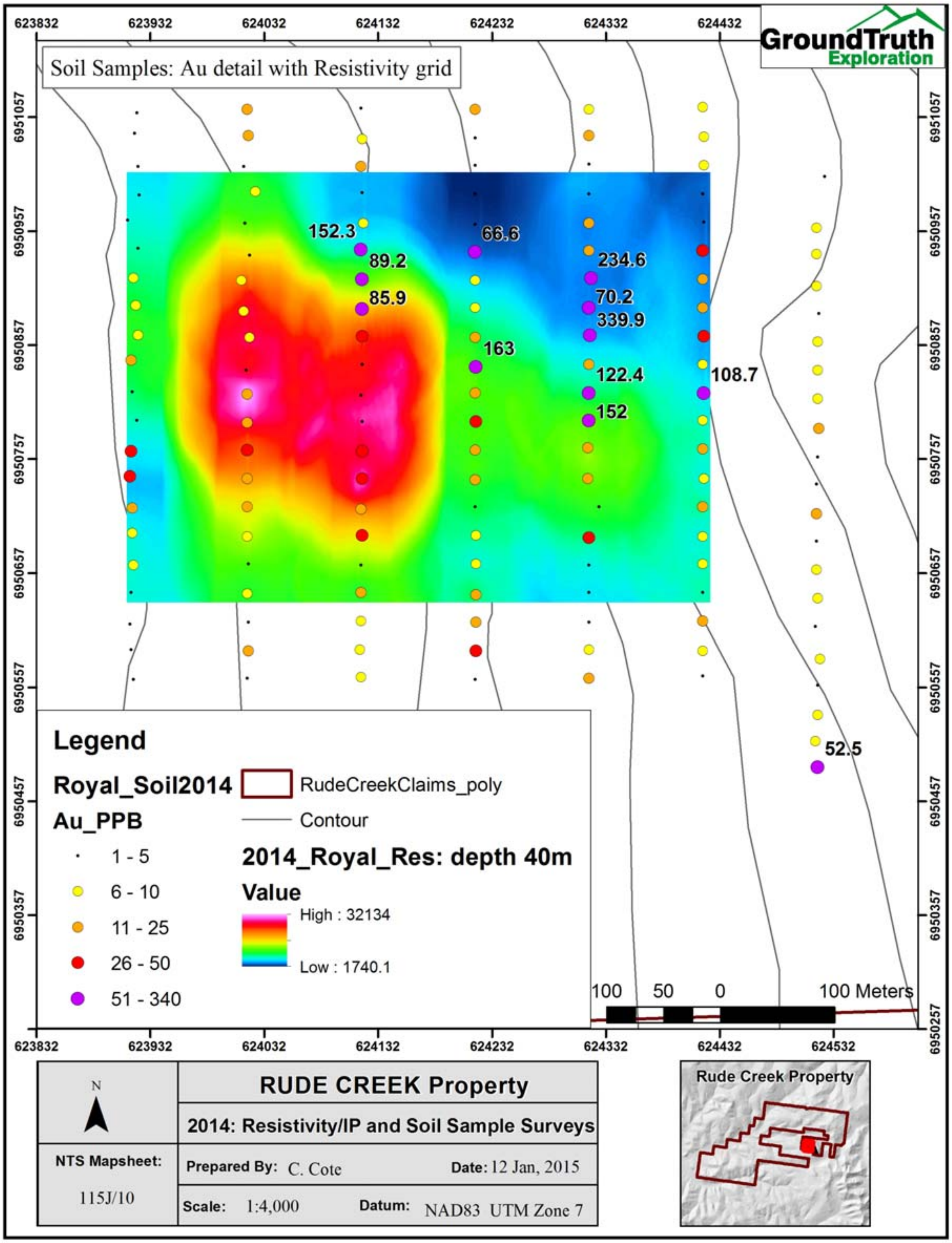

Figure 21: Gold-in-Soil with IP survey in background

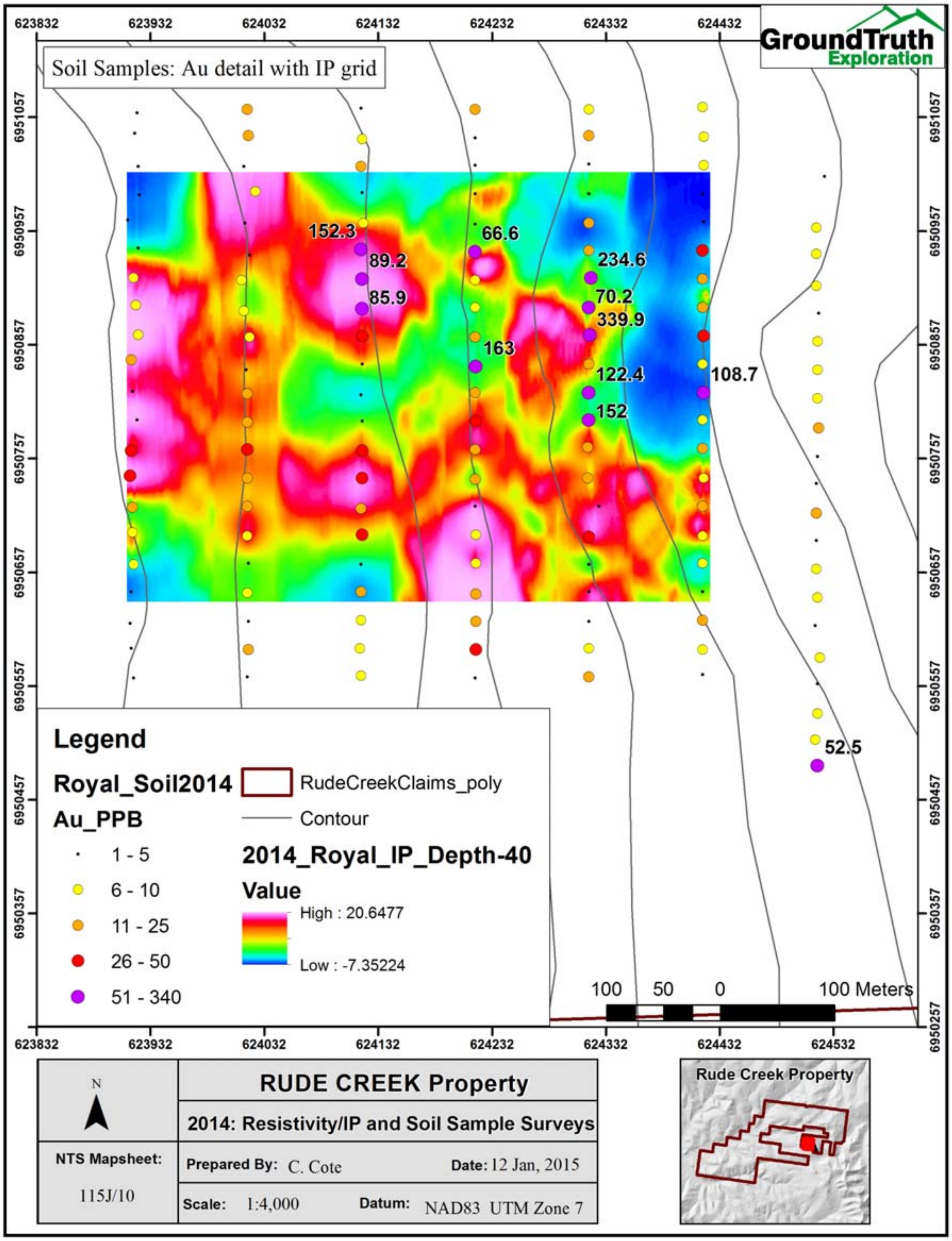

Figure 22: Arsenic with gold-in-soil grid as background

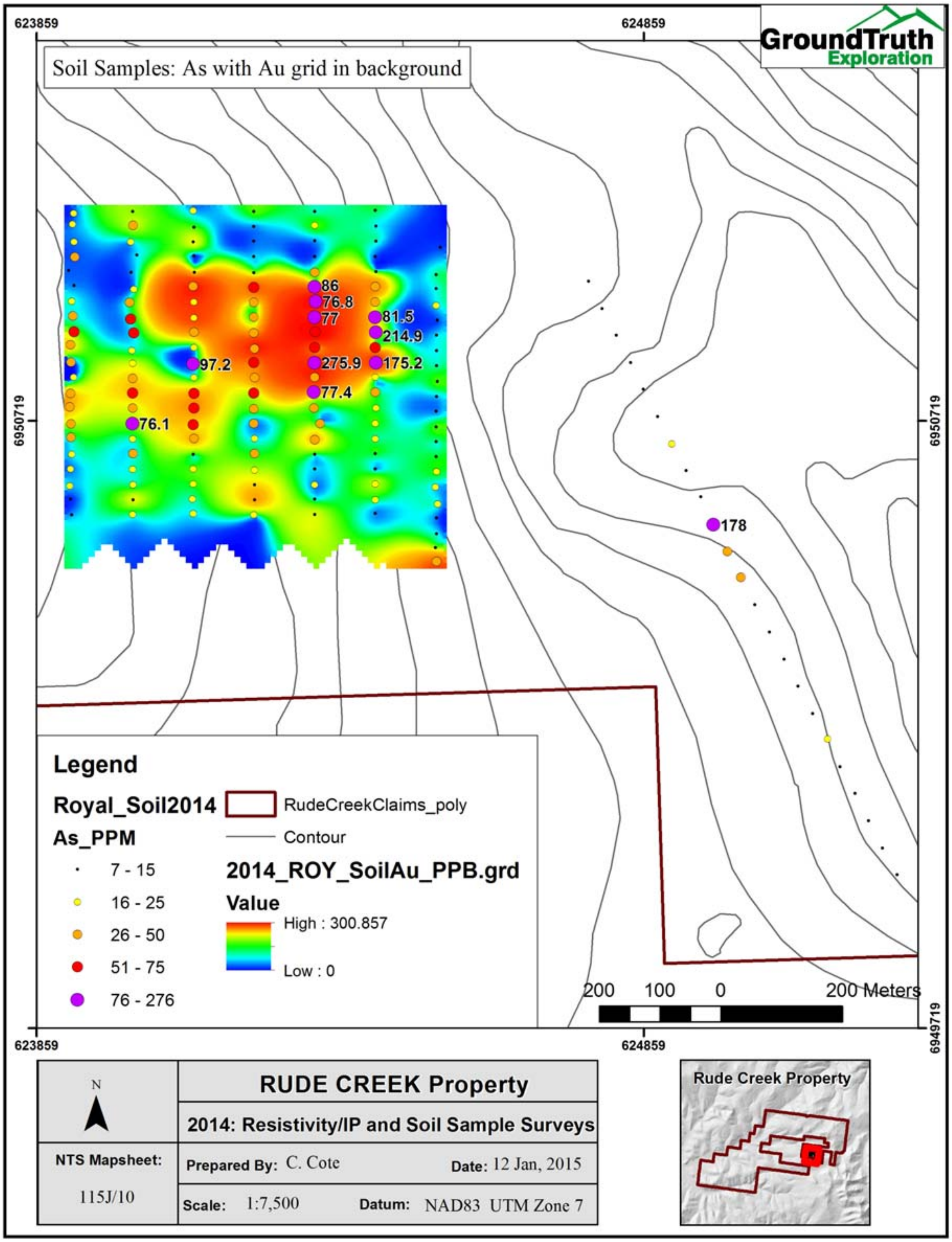

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Figure 23: Bismuth with grid of gold-in-soil in background

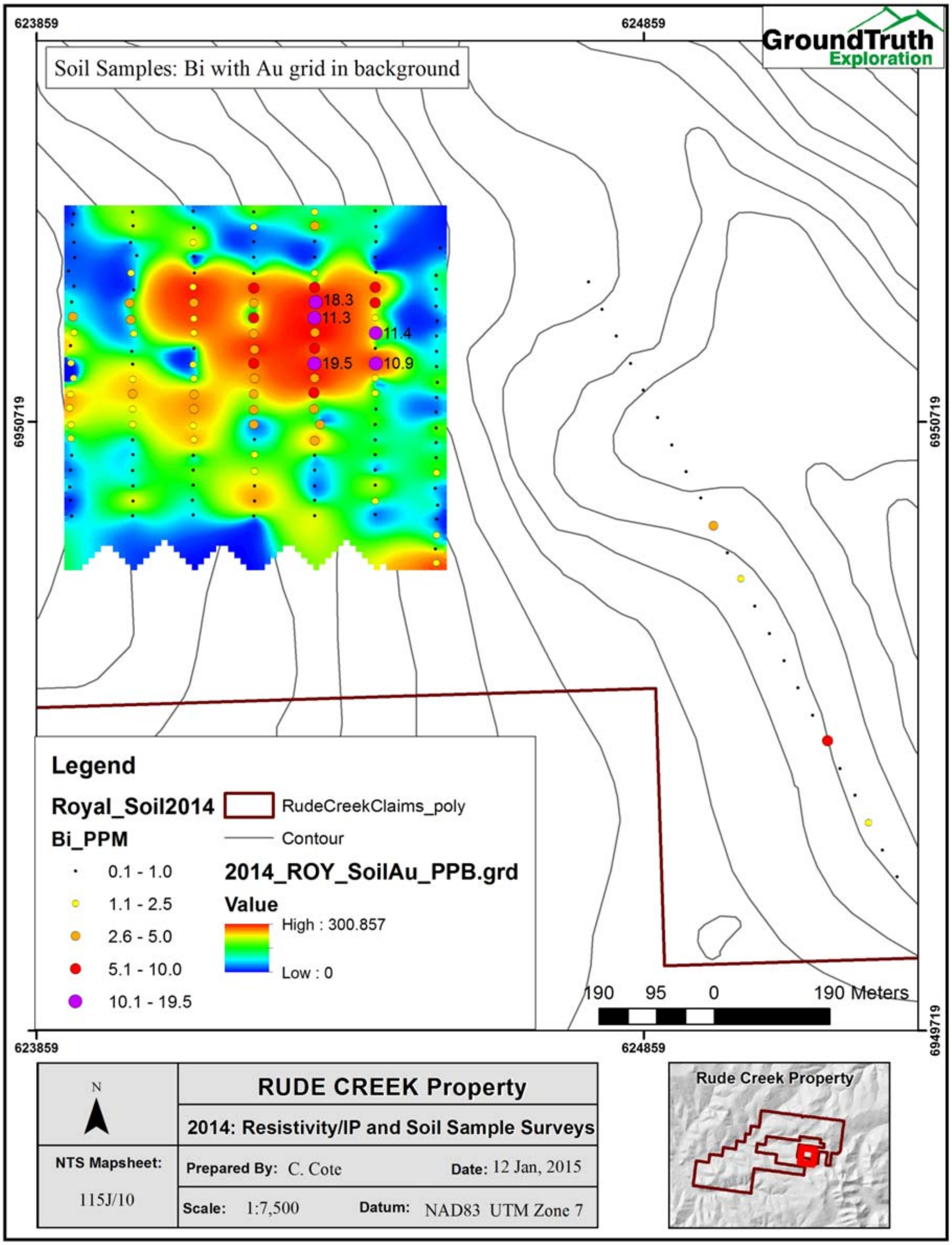


Figure 24: Mercury with grid of gold-in-soil in background

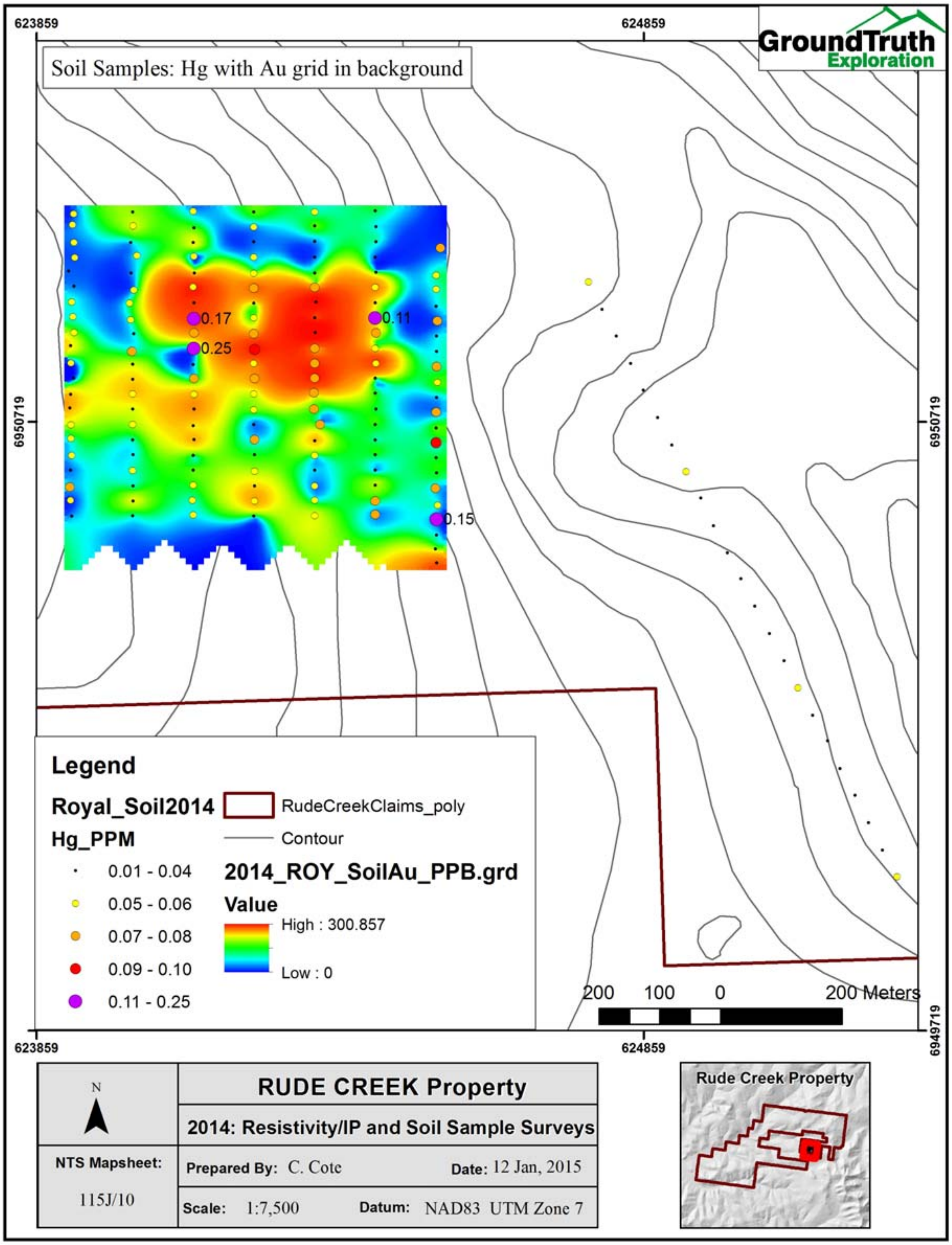


Figure 25: Antimony with grid of gold-in-soil in background

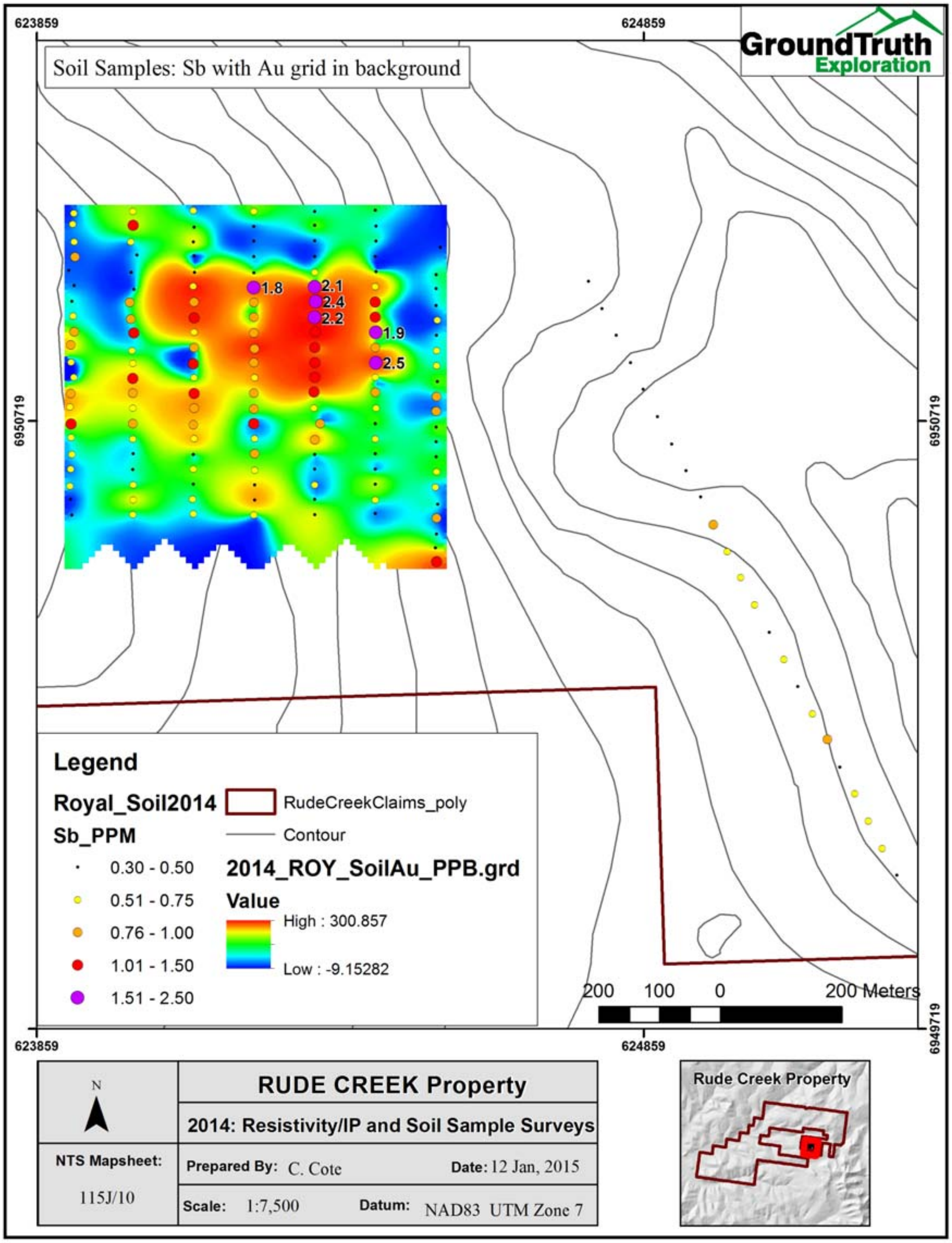


Figure 26: Tungsten with grid of gold-in-soil in background

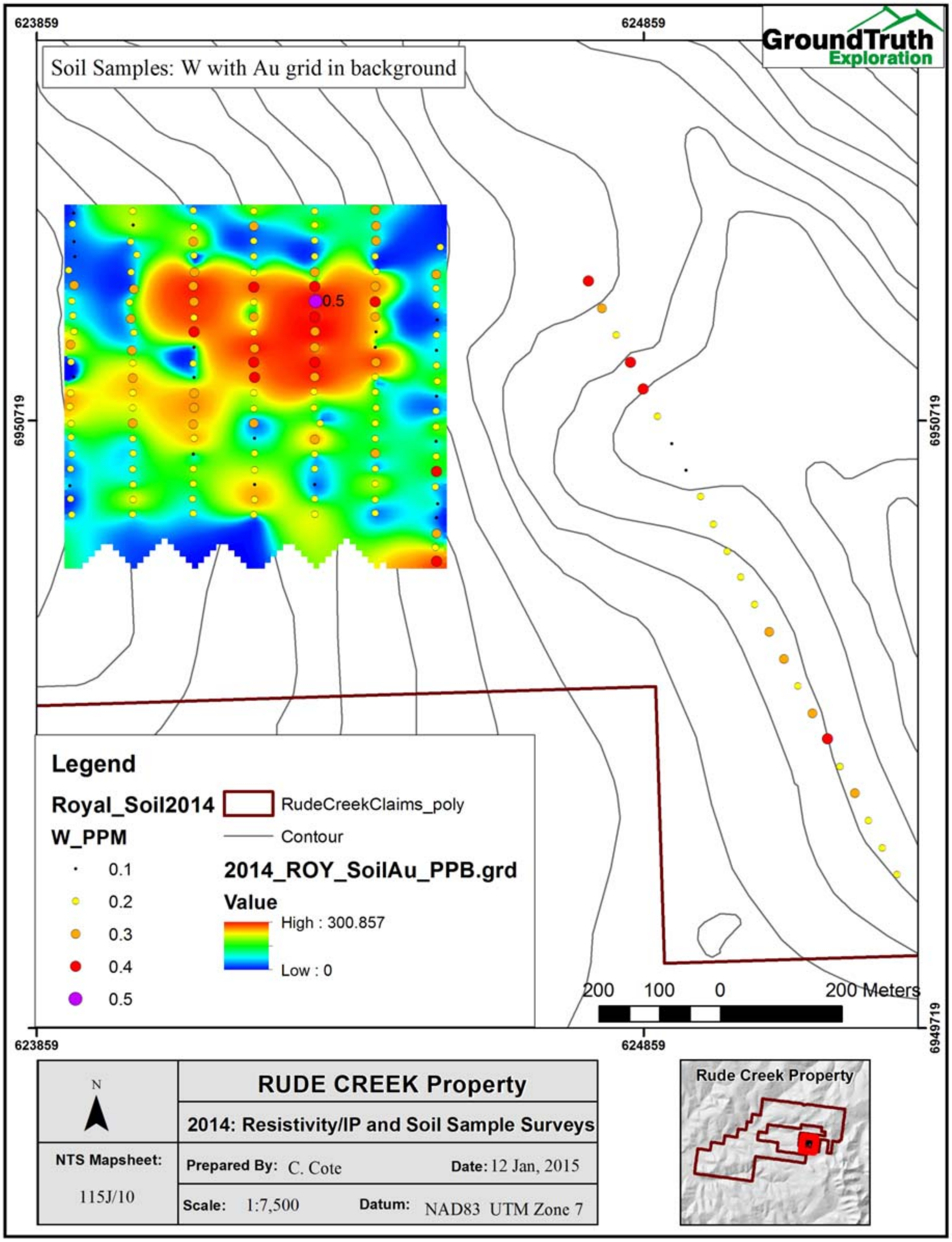
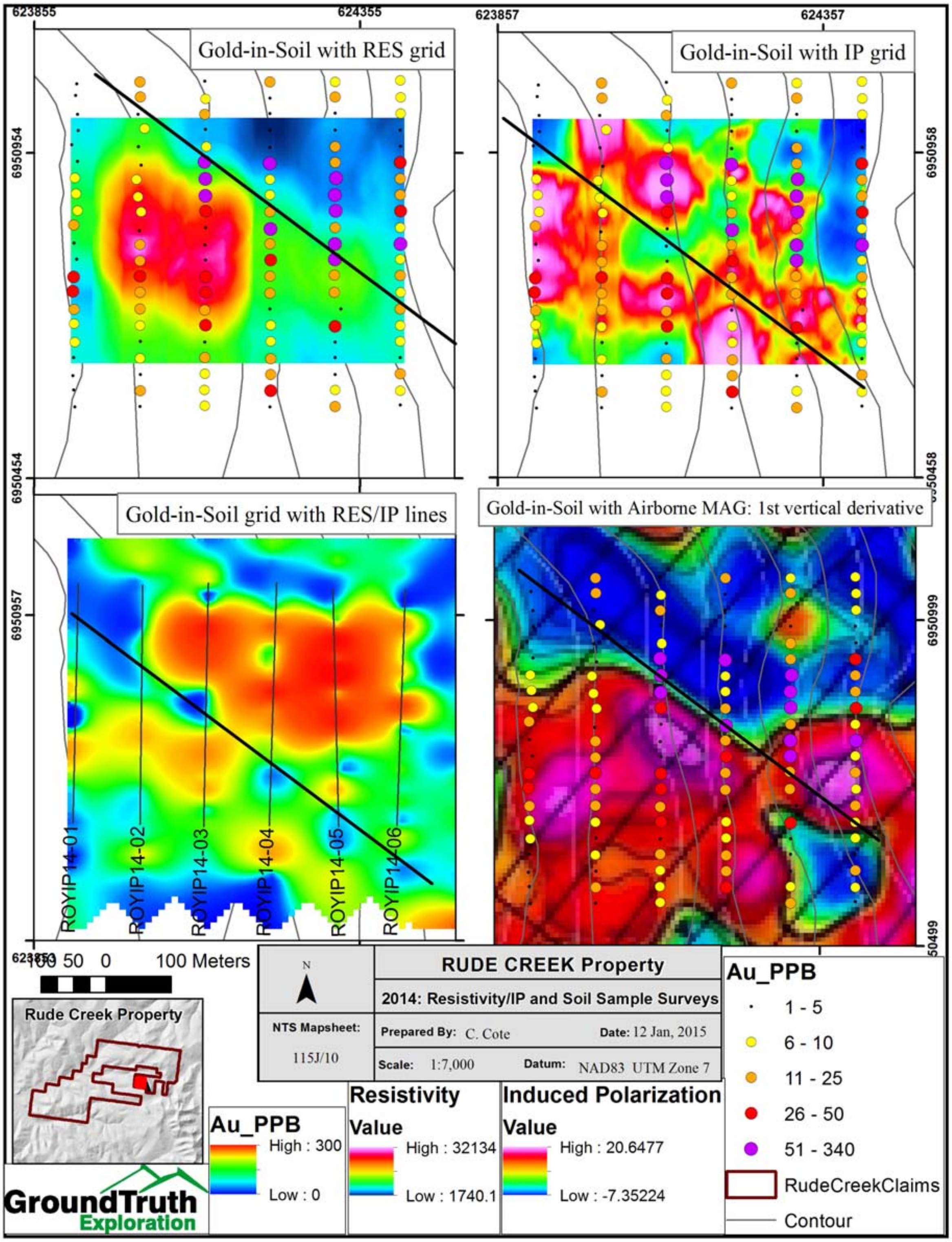


Figure 27: Interpreted, Corroborated Trend



2014 Royal RES Profiles seen in 3:
Vertical structural features aligned in a NW/SE direction.

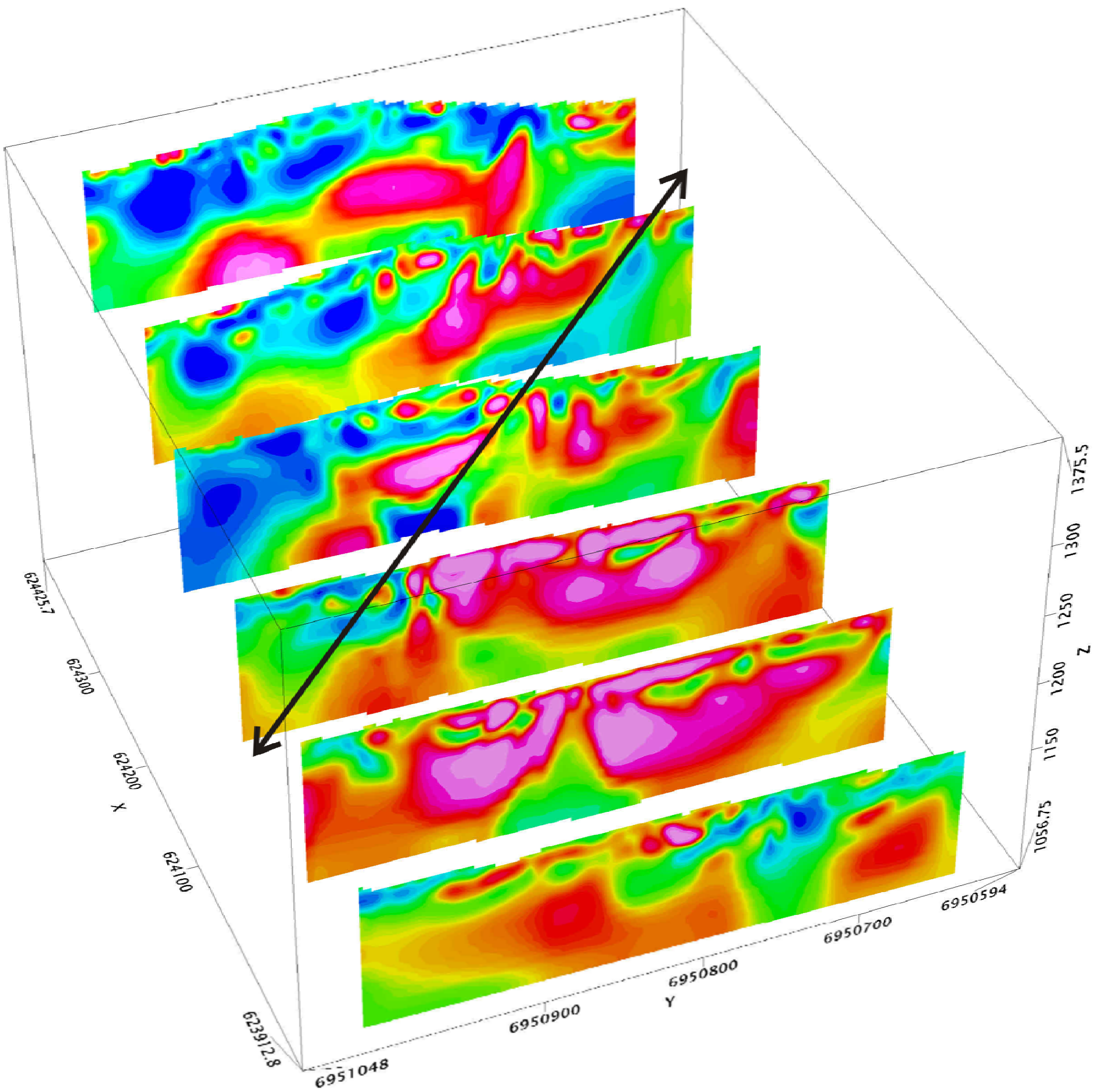


Figure 28: Resistivity Profiles in 3D

2014 Royal IP Profiles seen in 3:

Vertical structural features aligned in a NW/SE direction.

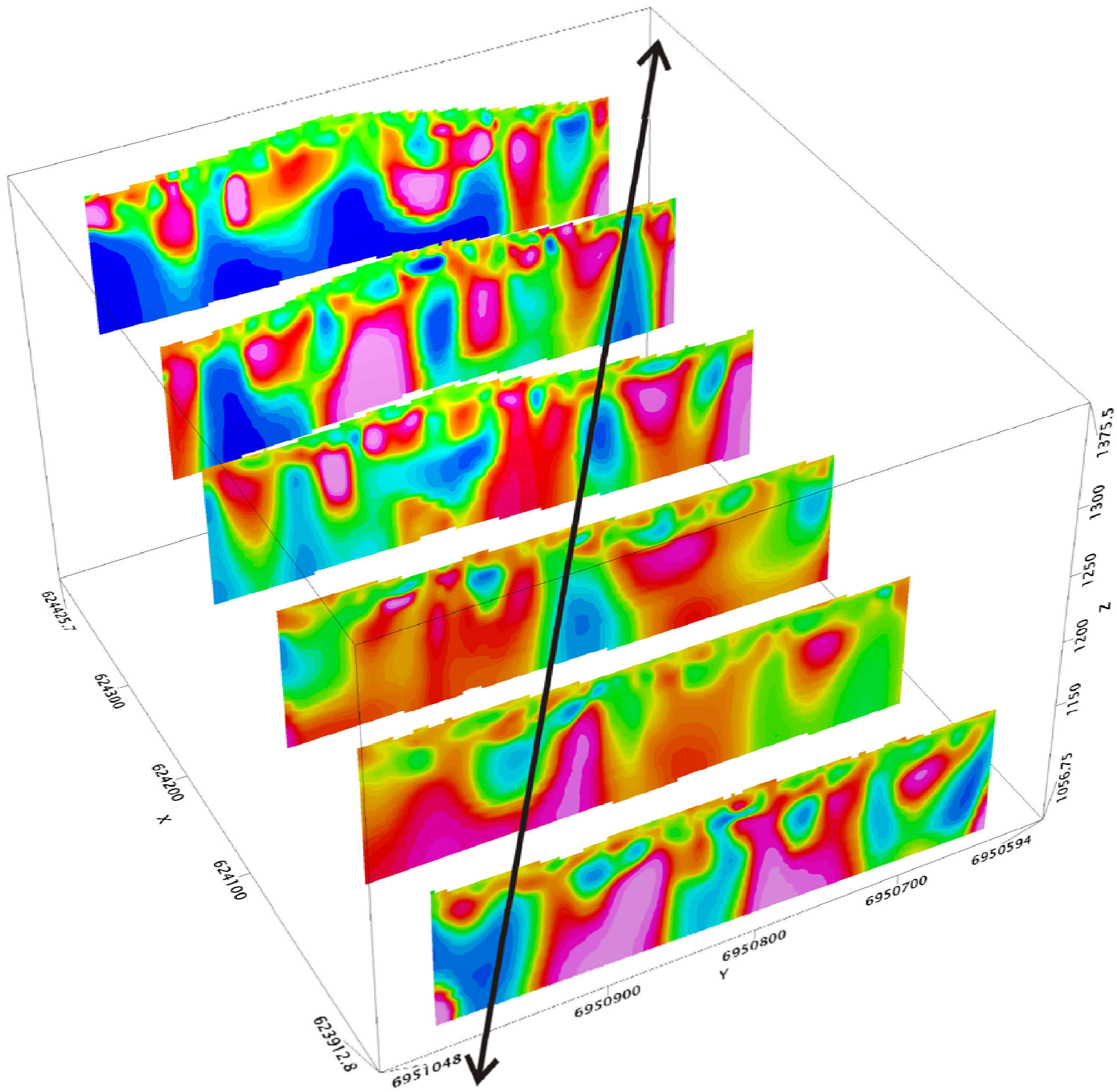


Figure 29: IP Profiles in 3D

8 Discussion and Interpretation

A review of the data presented thus far indicates a new, strong intrusive-related gold target on trend and proximal to the Coffee Creek deposit, White Gold area, Yukon

The following evidence, in combination with soil anomalies on the NE part of the property, strongly suggests that this area is the source of the productive Rude Creek placers:

- Identifying a strong gold-in-soil anomaly trending in a NW-SE direction and open along strike in both directions.
- Identifying a major NW-SE structural trend corroborated with the geophysics and geochemistry.
- Refining geological mapping/interpretation on the property scale using RES/IP. Specifically: indicating the presence of a younger silicified "plug" of Upper Cretaceous quartz monzonite to dacite porphyry.
- Refining/identifying drill targets by relating gold-in-soil anomaly with subsurface imaging of structural features using the resistivity/IP survey.
- Identifying indicator elements for gold-in-soil anomalies

8.1 Polymetallic Soil Anomaly

Figures 19-26 show a strong gold-arsenic-bismuth-tungsten-antimony soil anomaly (samples assayed up to 339ppb Au, 276ppm As) trending and open in a NW-SE direction.

Figures 20 and 21 indicate how this anomaly is related to the resistivity and IP surveys respectively. The fairly dense, high grade gold anomaly follows and lies on the low side of the RES high/low contact. The IP plan map is not as clear as the RES map, but does still show the NW-SE trend, with some possible NE-SW cross-cutting features. The gold-in-soil is associated with the IP highs on the west side of the grid (lines ROYIP14-01 to -03), but the association weakens on the East side of the grid (lines ROYIP14-04 to -06). This may have to do with a loss in data quality with these lines as a result of poor contact associated with large expanses of talus, which affect the IP survey more so than the Resistivity survey. The association of gold and the IP highs indicate sulphides linked to mineralization.

8.2 NW-SE Trend

Figures 27-29 clearly show a major structural trend that cross-cuts this target in a NW-SE direction.

Figure 27 shows the NW-SE trend cross-cutting the survey area. It shows that this trend is picked up in the resistivity, IP, soil and airborne magnetic surveys.

8.3 Geological Interpretation

The newest geological mapping done in the area shows the presence of an Upper Cretaceous quartz monzonite to dacite porphyry plug at the headwaters of Rude and

Trombley Creeks (figure 4). A secondary smaller plug not shown in the geological mapping may be present in the western portion of the 2014 RES/IP grid. This silicified plug is indicated by a circular resistivity high feature seen in figures 20, 27 and 28.

8.4 Subsurface Structural Features

The resistivity inversions show a large near vertical res high anomaly trending NW-SE, with the highest values centered over lines 02 and 03 (figure 27). Line ROYIP14-02 shows a prominent vertical resistivity low structure (between 200 and 240m) corresponding with a bordering IP high (Figures 9 & 10). This would make an ideal target for follow up drill work.

The IP inversions also show a general NW-SE trending zone of chargeability characterized by a broad zone of high chargeability in the West, branching into two smaller lineaments to the East (figure 28).

8.5 Indicator Elements

Figures 22-26 show a grid of the gold-in-soil anomaly, overlain by five potential indicator elements: As, Bi, Hg, Sb, W.

Upon a visual inspection, (not statistical analysis) it would appear that As and Bi have a strong positive correlation with gold mineralization. Sb and W have a weak positive correlation with gold mineralization, and Hg has weak to no correlation with gold mineralization.

9 Recommendations

The strong gold-in-soil anomaly in association with the vertical and horizontal structural features identified in the resistivity and IP surveys warrant further exploration.

Geological mapping of the area, specifically focussing on mineralized zones, the interpreted plug of Upper Cretaceous quartz monzonite to dacite porphyry, and identifying the structural features should be carried out.

A small RAB drill program should be focussed on identified targets to confirm any interpretations made off the soil and res/ip surveys.

A statistical analysis of the geochemistry would confirm the correlation between gold and other elements. This knowledge would be valuable, especially if XRF analysis will be used on site in the future, as this tool is a poor detector of gold but powerful at detecting elements such as As.

10 Costs

Expenditure	No.	Units	Men	Rate	Sum
Phase 1 - grid soils					
Daily living expense (5 ppl)	1	days	5	85	425
Wages					
Foreman (1)	1	days	1	400	400
Field technicians (4)	1	days	4	350	1,400
Travel					
Helicopter (Astar)	0.7	hrs		1900	1,461
Truck (mob/demob)					
Consumables					1,163
Soil sampling					
Lines (100m spaced)	8				
Samples per line (25m stations)	22				
Soil samples (no.) assay	175			23.9	4,182

Expenditure	No.	Units	Men	Rate	Sum
Phase 1 - sub-total					9,031
Tax					161
Phase 1 - total					**9,193**
Phase 2 - geophyiscs					
Daily living expense (5 ppl)	5	days	5	85	2,375
Wages					
IP operator (1)	5	days	1	450	2,250
Field technician (4)	5	days	4	3S0	7,000
Travel					
Helicopter (A-star)	3.9 hrs			1900	8,139
Fixed wing					1,746
Hi-res IP					
Mob-demob (2 days travel)	1	days	5	250	1,500
lines (100m spaced)	7				
Equipment / consumables	4	days		1,457	5,829
Phase 2 - sub-total					28,838
Taxes					1,035
IPhase 2 - total					29,873
Grand total					**39,066**

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11 References

Aeroquest Airborne, 2011, Report on a Helicopter-Borne Magnetic and Radiometric Survey, Prepared by Aeroquest Airborne for Silver Quest Resources Ltd. Internal Report.

Anderson, Farrell J., 2011: 2010 Geochemical Exploration Assessment Report on the POKER Gold Target

Deklerk, R. and Traynor, S. (compilers), 2005. Yukon MINFILE 2005 - A database of mineral occurrences. Yukon Geological Survey

Gordey, S.P. and Makepeace, A.J. (comp.) 2003. Yukon digital geology, version 2.0; Geological Survey of Canada Open File 1749 and Yukon Geological Survey Open File 2003-9(D)

Geochemical report on the Rude Creek Intrusion Related Gold Target

Jaworski, Bart J. and Meyer, B., 2001: EMR assessment report 094062; Geological and

12 Qualification

I, Chad Cote, located in Dawson City, Yukon work as a Geophysical Project Manager for GroundTruth Exploration Inc.

I have worked in the mineral exploration field since 2007. From 2007 to 2010 I worked the summer field seasons as a soil sampling crew boss, MAG operator, and prospector. I joined GroundTruth Exploration for full time employment when it formed in 2010, expanding my role into GIS mapping and data management, and leading the expansion of our geophysics branch to include high resolution DC resistivity/IP and GPR surveys.

I graduated from the University of Victoria in December of 2010 with Bachelor of Science in Geography, specializing in physical systems and GIS.

I have overseen the geophysical and soil sampling work conducted on the Royal 1-12 claims in 2014.

Dated this 20 of January 2015 in Dawson City, YT.

Respectfully submitted

Chad Cote

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Appendix A: Description of Files and File Structure for Resistivity Survey

This explains what is in the project data, and how it is organized.

Every traverse has a unique **Line ID** created by combining the three letter project code for te property or zone, an IP or RES designation, the year the survey was read, and a sequential number indicating the number of traverses present on said property or zone.

Example: ROYIP13-01

Each array measured has a unique **Data File ID**. This is determined by the date, the first letter of the array being used, and the number of times this array has been used that day.

Example: 140813D1

File Structure:

- DATA
  - └ Figures
    - Maps and figures of 3D grids and voxels
  - └ Line ID
    - MergedArrays
      - Figures
        - figures of merged data pseudosections and inversions
      - RAW
        - merged arrays in SuperSting format
      - XYZ
        - merged arrays in XYZ format
      - UTM
        - XYZ data transformed into UTM coordinates based on start and end point of traverse
      - trn
        - contains trn correction file
    - GPS
      - Base
        - Raw data from GPS base station
      - Processed

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- o Points after correction with GPS Base station
- • Rover
  - o Raw data from roving GPS unit
- ▪ Pictures
  - • Photos along the line
- └ Shp
  - ▪ ESRI shape file of traverse points labeled with electrode address

Appendix B: Resistivity Equipment Specifications

SuperSting R1/IP technical specification

Measurement modes Apparent resistivity, resistance, self potential (SP), induced polarization (IP), battery voltage

Measurement range +/- 10V

Measuring resolution Max 30 nV, depends on voltage level

Screen resolution 4 digits in engineering notation

Output current 1mA – 2 A continuous, measured to high accuracy

Output voltage 800 Vp-p, actual electrode voltage depends on transmitted current and ground resistivity

Output power 200 W

Input gain ranging Automatic, always uses full dynamic range of receiver

Input impedance >20 MΩ

SP compensation Automatic cancellation of SP voltages during resistivity measurement. Constant and linearly varying SP cancels completely.

Type of IP measurement Time domain chargability (M), six time slots measured and stored in memory

IP current transmission ON+, OFF, ON-, OFF

IP time cycles 0.5, 1 , 2 , 4 and 8 seconds (combined resistivity/IP mode)

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Measure cycles Running average of measurement displayed after each cycle. Automatic cycle stop when reading errors fall below user set limit or user set max cycles are done.

Resistivity time cycles Basic measure time is 0.4, 0.8, 1.2, 3.6, 7.2 or 14.4 seconds as selected by user via keyboard, autoranging and commutation adds about 1.4 s.

Signal processing Continuous averaging after each complete cycle. Noise errors calculated and displayed as percentage of reading. Reading displayed as resistance (ΔV/I) and apparent resistivity (Ωm). Resistivity is calculated using user entered electrode array coordinates.

Noise suppression Better than 100 dB at f>20 Hz

Better than 120 dB at power line frequencies (16 2/3, 20, 50 and 60 Hz) for measure cycles of 1.2 s and above

Total accuracy Better than 1% of reading in most cases (lab measurements). Field measurement accuracy depends on ground noise and resistivity. Instrument will calculate and display running estimate of measuring accuracy.

System calibration Calibration is done digitally by the microprocessor based on correction values stored in memory.

Supported manual Resistance, Schlumberger, Wenner, dipole-dipole, pole-dipole, pole-pole, SP-absolute, SP-gradient

Operating system Stored in re-programmable flash memory. New version can be downloaded from our web site and stored in the flash memory.

Data storage Full resolution reading average and error are stored along with user entered coordinates and time of day for each measurement. Storage is effected automatically in a job oriented file system

Data display Apparent resistivity (Ohmmeter), injected current (mAmp) and measured voltage (mVolt) are displayed and stored in memory for each measurement

Memory capacity The memory can store 24,468 measurements in Resistivity Mode and 14,966 measurements in combined Resistivity/IP Mode

Data transmission RS-232C channel available to dump data from the instrument to a Windows type computer on user command.

Automatic multi-electrodes The SuperSting is designed to run dipole-dipole, pole-dipole, pole-pole, Wenner and Schlumberger surveys including roll-along surveys completely automatic with the Swift Dual Mode Automatic Multi-electrode system (patent 6,404,203) or with switch box and passive cables. The SuperSting can run any other array by using user programmed command files. These files are ASCII files and can be created using a regular text editor. The command files are downloaded to the SuperSting RAM memory and can at any time be recalled and run. Therefore there is no need for a fragile computer in the field.

Manual measurements The instrument has four banana pole screws for connecting current and potential electrodes during manual measurments

User controls 20 key tactile, weather proof keyboard with alpha numeric entry keys and function keys.

On/off switch.
Measure button.
LCD night light switch (push to light).

Display Graphics LCD display (16 lines x 30 characters) with night light.

Power supply, field 12V or 2x12 V DC external power (one or two 12 V batteries), connector on front panel.

Power supply, office DC power supply

Operating time Depends on survey conditions and size of battery used. Internal circuitry in auto mode adjusts current to save energy

Operating temperature -5 to +50ºC

Weight 10.9 kg (24 lb.)

Dimensions Width 184 mm (7.25"), length 406 mm (16") and height 273 mm (10.75

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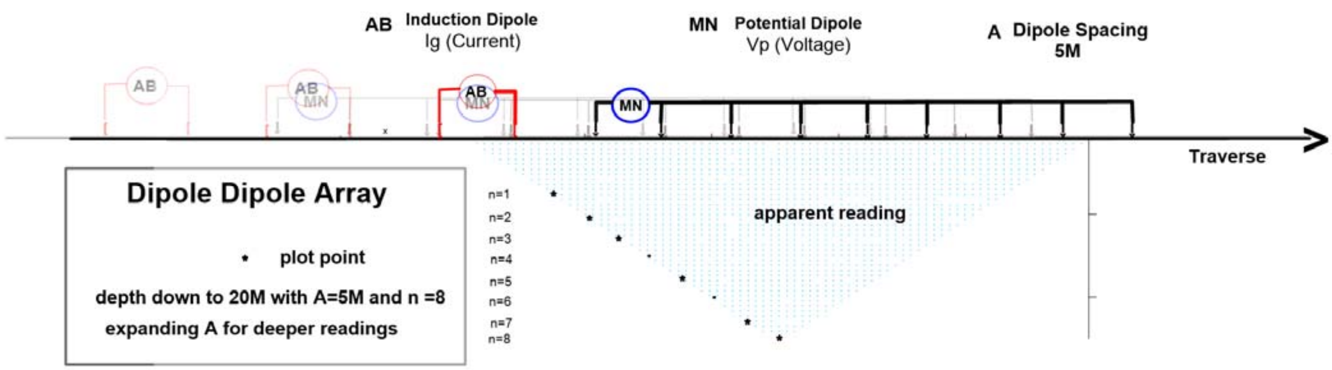
Appendix C: Survey Theory



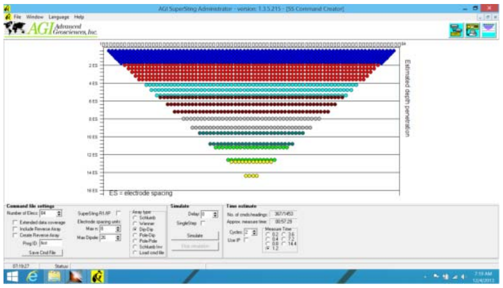
geometry

Most common of arrays, directional current inductions mainly favored to delineate bodies having dip(s). Current electrodes always lagging potential electrodes. Attention to current inductions direction important when interpreting data. Known to produce typical pant-leg anomalies when both AB and MN electrodes cross a zone.

Set-up

Once a designated traverse is located, 84 electrodes are put into the ground pre extending 6 x cables of 14 connections amounting to a **415M Traverse.** The **Supersting** Transmitter/ Receiver (Tx/Rx) along with power-pack and switch-box are always centrally positioned.

A designated Dipole Dipole Array command file was loaded in the Supersting performing:



1453 sample points, with an estimated 57.29min lapse-time, Maximum n (depth level) kept at 8 for best Signal/Noise, and Maximum dipoles of 26.

AB: 5,10,15,20,25,and 30M, **5 x expansions** reversed to traverse direction

MN: 5M till n=8, then 10M until n=8, then 20M until EOL

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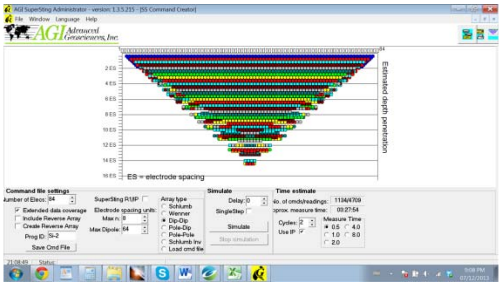
Extended Dipole Dipole

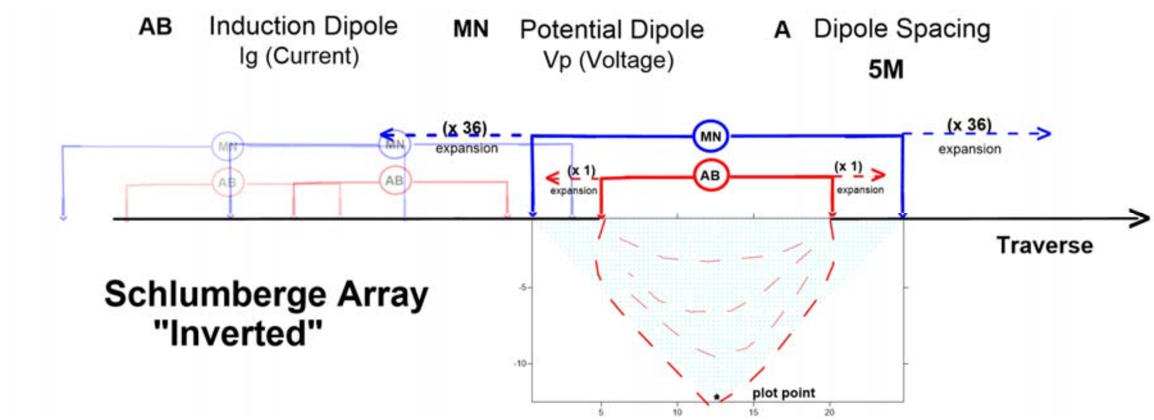


Extended Option

4709 sample points, with an estimated 3hr:27Min lapse-time. Maximum n (depth level) kept at 8 for best Signal/Noise, and Maximum Dipoles of 26.

AB: 5,10,15… up to95M, **<u>19 expansions</u>** reversed to traverse direction

MN: 5,10,15,25, and 50M, 5 x expansions. Also reversed when best-fit.



geometry

Symmetric, vertical sounding technique is reliable delineating axis of zones. Termed inverted because the original design of the Schlumberger has inducing current electrodes outside potential electrodes. Also very usefull isolating narrow, weak zones.

"Si-1" AB = 5M MN= 15M to 360M (36 expansions both directions). **Narrow Zones Favored.**

"Si-2" AB= 5M MN= 15M to 65M first four levels. Shallow (limited depth extent) Zones Favored.

AB=15M MN= 15M to 360M

"Si-3" AB= 5M to 95M and MN 15M to 360M. Best penetration of all three.

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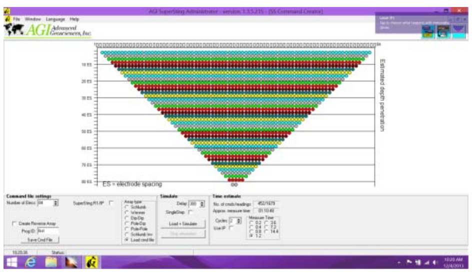
Set-up

Once a designated traverse is located, 84 electrodes are put into the ground pre extending 6 x cables of 14 connections amounting to a **415M Traverse.** The **Supersting** Transmitter/ Receiver (Tx/Rx) along with power-pack and switch-box are always centrally positioned.



A designated Schlumberger Array command file was loaded in the Supersting performing:

1679 sample points, with an estimated 80:48min lapse-time, Maximum n kept at 8 (for best Signal/Noise), and Maximum dipoles of 26.

Appendix D: Claims List

GRANT_NUMB	CLAIM_LABE	OWNER_NAME	Operator
YC60328	ROYAL 1	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60329	ROYAL 2	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60330	ROYAL 3	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60331	ROYAL 4	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60332	ROYAL 5	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60333	ROYAL 6	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60334	ROYAL 7	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60335	ROYAL 8	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60336	ROYAL 9	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60337	ROYAL 10	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60338	ROYAL 11	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
YC60339	ROYAL 12	Shawn Ryan - 70%, Wildwood Explorations Inc. - 30%	0890763 BC Ltd. - 100%
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YD18977	POKER 77	Silver Quest Resources Ltd. - 100%	0890763 BC Ltd. - 100%

Appendix E: Property Photos

Figure 30: RES/IP line traversing poor contact talus, (left). typical ground on the Royal Claims (right). Both photos looking NW.

Appendix E: Soil Samples Assay Certificate

Box 70, DAWSON, YT
Y0B 1G0

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **0890763 B.C. Ltd**
1600-609 Granville Street
Vancouver BC V7Y 1C3 CANADA

Submitted By:	Bart Jaworski
Receiving Lab:	Canada-Whitehorse
Received:	August 08, 2014
Report Date:	September 09, 2014
Page:	1 of 7

CERTIFICATE OF ANALYSIS WHI14000094.1

CLIENT JOB INFORMATION

Project:	ROYAL
Shipment ID:	ROY2014-08-05
P.O. Number	
Number of Samples:	175

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

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	175	Dry at 60C			WHI
SS80	172	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	175	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DISP2	175	Heat treatment of Soils and Sediments			VAN

ADDITIONAL COMMENTS

Invoice To: 0890763 B.C. Ltd
1600-609 Granville Street
Vancouver BC V7Y 1C3
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

sample_id	utm_zone	utm_eastin	utm_northi	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_PCT	As_PPM	U_PPM
1349011	7	624317	6950664	0.6	22.2	11.2	67	0.1	23.9	13	632	3.1	13.4	3.5
1349572	7	624517	6950960	2.2	10.8	14.6	65	0.2	15	11.5	772	2.44	8.2	1.9
1349571	7	624524	6951005	3	19.7	15.7	51	0.2	19.2	10.4	459	2.98	7.7	7.5
1349255	7	624517	6950709	0.6	22.6	9.9	54	0.1	22.6	11.8	518	2.7	10.3	1.9
1349719	7	624417	6950567	1.3	19.2	12.3	60	0.2	17.3	8.7	397	2.74	12.1	2.2
1349306	7	624118	6950889	1.9	30.7	9.9	62	0.2	19.2	9.6	518	2.57	25	1.3
1349552	7	623919	6950892	2.5	21	18.7	68	0.9	22.3	12.3	719	3.16	39.7	5.1
1349553	7	623917	6950916	2.7	17.5	15	56	0.3	19.2	11.5	550	2.87	18.9	4.3
1349554	7	623921	6950942	1.8	18.5	13.1	59	0.2	19.5	10	472	2.52	11.3	3.3
1349555	7	623922	6950989	2.3	20.5	19.6	67	0.4	21.8	10.2	412	3.25	32.3	3.3
1349556	7	623912	6950967	1.1	18.3	8.5	55	0.1	19.4	10.3	481	2.6	11.1	2.7
1349558	7	623918	6951043	2.1	24.6	12.3	66	0.5	22.8	11.7	571	3.03	16.3	4.1
1349564	7	624015	6950964	2.7	19.8	17.5	78	0.2	20.7	13	727	3.02	14.6	5
1349557	7	623921	6951014	1.7	17.6	18.7	58	0.2	19.9	9	343	4	22.6	0.9
1349560	7	624018	6951041	1.7	20.4	23.1	87	0.4	25.3	18.3	847	3.69	39.8	2.7
1349559	7	623920	6951061	2.1	22.4	12.3	60	0.4	20.9	9.6	487	2.77	17.2	4.9
1349563	7	624024	6950992	2	24	12.4	73	0.2	25.2	13.5	552	3.67	14.4	3.1
1349561	7	624017	6951064	2	28.8	16.8	60	0.4	19.9	8.9	370	2.4	14.2	4.9
1349562	7	624014	6951014	2.5	22.5	15.6	68	0.3	23.8	13.2	511	3.84	17	4.5
1349565	7	624019	6950936	2.3	18.2	13.1	54	0.4	16.9	11.1	593	2.73	15.2	4.2
1349566	7	624012	6950914	1.9	22.7	20.8	61	0.9	21.9	10.1	489	3.04	46.4	6.2
1349567	7	624014	6950887	2	21.6	21.6	60	0.4	20.7	11	553	3.31	51.1	3.4
1349568	7	624019	6950864	1.8	17.7	10.8	55	0.2	22.5	11	413	2.74	55.9	1.7
1349569	7	624016	6950835	3.4	21.4	10.4	51	0.2	20.4	10.6	496	2.43	19.5	4.1
1349570	7	624517	6950937	2.8	23.7	15.5	67	0.2	21	13.1	943	3.1	13.3	4.3
1349537	7	623917	6950564	2.1	18.6	12.7	75	0.1	22.9	13.7	670	3.49	13	4.5
1349540	7	623914	6950612	3.1	18.1	13.7	62	0.5	21.3	17.2	1206	2.82	16.2	7.2
1349538	7	623915	6950590	2.1	16.7	15.6	59	0.4	22.6	8	210	2.67	12	6.3
1349542	7	623917	6950664	5.3	17.2	14.5	74	0.3	21.5	11.4	638	3.07	22	5.7
1349541	7	623915	6950640	3.6	15.3	17.9	81	0.2	16.9	12.8	868	3.28	18.9	3.3
1349545	7	623914	6950742	2.4	16.1	14.6	68	0.1	20.2	8.7	431	2.94	27.2	1.9
1349543	7	623916	6950692	6.9	14.8	15.2	62	0.5	18.9	20.5	2062	3.11	27.7	5.9
1349544	7	623916	6950714	3.7	21.1	15.2	83	0.3	24.5	13.1	696	3.61	35.1	4.1
1349546	7	623915	6950764	1.9	18.2	13.6	65	0.2	19.4	11.4	556	2.89	35	2.9
1349549	7	623915	6950844	2.5	13.4	15.9	52	0.1	17.8	7.9	377	3.35	27.2	1
1349547	7	623920	6950791	1.7	18.4	14.4	53	0.2	17.7	10.8	419	2.57	21.5	1.7
1349548	7	623916	6950816	2.5	27.3	15.7	72	0.4	25.9	14.2	817	3.24	25.4	4.5
1349550	7	623921	6950866	2.4	22.6	19	69	0.4	25.4	13.2	640	3.21	56.1	3.9
1280910	7	624953	6950594	0.6	21.3	7	54	0.05	24.9	10	389	2.66	8.5	0.8
1280911	7	624929	6950637	0.7	22.7	8.2	59	0.05	28.5	11.5	530	3.07	8	0.6
1280912	7	624905	6950681	0.6	24.4	7.8	53	0.05	22.2	10.1	390	2.51	15.1	1.1
1280914	7	624858	6950771	0.9	21.8	8.2	53	0.05	25.7	12.7	466	2.83	9.4	1.3
1280913	7	624882	6950726	0.7	22.4	10.1	51	0.05	22.6	10.4	408	2.49	7.9	1
1280915	7	624837	6950815	0.8	21.1	8.9	53	0.05	18.7	10.3	502	2.82	9.2	2.1
1280916	7	624814	6950860	0.7	23.3	11.7	60	0.1	22.6	10	310	2.46	7.8	2.4
1280917	7	624790	6950904	1.6	24.8	12.3	64	0.2	23.2	11.8	640	2.92	12.2	2.8
1280918	7	624768	6950949	2.1	22.4	16.5	59	0.2	21.3	11.5	336	2.63	9.4	3.1
1280919	7	624518	6950487	2.7	32.9	45.4	98	0.2	24.5	16.7	955	3.63	34.8	7.3
1349252	7	624518	6950635	0.9	25	22.8	64	0.2	28.7	14.5	568	3.13	15.8	1.9
1280920	7	624516	6950510	1.5	16.9	14	50	0.05	17.7	8.6	360	2.7	12.4	2
1280922	7	624518	6950559	2.4	30.1	12.2	84	0.05	24.2	8.8	413	3.58	11.8	1.7
1280921	7	624518	6950533	1	17.7	10.8	55	0.2	20.2	11.1	479	2.8	12.3	1.9
1280924	7	624516	6950610	2.3	25.8	19.5	82	0.2	26.3	14.9	824	3.57	18.9	2.8
1280923	7	624520	6950582	2.1	28.2	18.5	64	0.2	24.8	13.8	713	3.05	15.5	3.7
1349254	7	624517	6950685	1.3	18.5	9.7	39	0.05	13.3	5.5	196	3.04	10	0.8
1349253	7	624517	6950660	1.1	21.4	11.4	63	0.05	23.2	12.1	620	3.05	12.1	1.6
1280949	7	625252	6950016	3.5	18.8	10.4	48	0.05	17.4	9.3	387	3.05	8.8	1.8
1280948	7	625276	6949972	2.4	21.7	11.4	62	0.05	22.4	10	410	3.23	9.3	2.3
1280950	7	625229	6950061	2.3	19.7	9.3	48	0.05	19.6	9.7	393	3.02	9.6	1.5
1349948	7	625207	6950106	2	23.6	11.3	59	0.05	24.4	13.1	557	3.27	11.1	2.2
1280775	7	625182	6950150	2.3	22.3	12.4	56	0.05	20.3	10.6	465	3.22	11.7	3.2
1349949	7	625182	6950150	2.1	23.6	12.6	59	0.1	21.4	11.7	537	3.22	11.8	2.8
1280799	7	625162	6950196	1.7	27.9	20.4	65	0.2	22	17.4	638	3.37	17.6	5.3
1280903	7	625113	6950283	1	27.4	14.5	70	0.1	25.6	13.1	734	3.35	11.8	5.6
1280902	7	625137	6950238	1.2	24.4	9.8	59	0.05	23	11.9	570	2.85	9.9	2.9
1280904	7	625090	6950327	1.9	24.1	20.8	63	0.2	22	12.2	712	3.28	12.8	4.1
1280905	7	625066	6950371	1.4	19.4	11.2	59	0.05	22.8	10.6	460	2.98	10.6	2
1280906	7	625042	6950416	5.2	17.3	17.9	53	0.1	18.8	10.3	495	2.78	15	4.5
1280907	7	625019	6950461	1.8	27.2	16.8	60	0.1	22.5	12.8	528	3.06	31.5	3.2
1280908	7	624997	6950504	1.4	25.6	16.9	59	0.05	24	11.3	533	3.11	34.4	2.2
1280909	7	624974	6950548	1.4	30.3	23	65	0.1	24.7	13.8	567	3.2	178	3.4
1349290	7	624118	6950690	4.2	21.9	11.2	78	0.2	22.1	13	772	3.56	40.3	4.7
1349288	7	624117	6950664	2	13.1	8.4	23	0.1	6.9	2.4	99	1.11	6.9	1.3
1349292	7	624118	6950740	2.1	28.1	13	70	0.5	21.8	11.6	617	3.09	69.2	4.4
1349295	7	624117	6950813	2.6	19.1	18.2	50	0.3	18.3	7.7	346	3.98	97.2	1
1349291	7	624117	6950713	3.7	16.3	10.9	56	0.1	15.9	7.9	365	3.02	57.5	1.8
1349294	7	624118	6950790	1.9	15.1	10.9	30	0.2	10.2	4.3	181	2.01	21.2	0.8
1349293	7	624118	6950764	1.7	32.9	16.5	70	0.4	23.6	11.9	649	3.03	70.8	3.6
1349299	7	624118	6951038	1.7	14.2	10.3	65	0.05	17.5	9.3	419	2.8	10.2	1.6
1349298	7	624117	6951065	2.6	23.9	14.7	71	0.3	21.9	11.4	510	3.41	16.5	5.4
1349296	7	624118	6950840	2.9	23.9	12.5	63	0.2	24.5	11.5	1099	2.88	21.7	1.8
1349297	7	624118	6950865	1.3	22.6	11.2	87	0.1	43.2	14.4	774	3.2	36	2.1
1349300	7	624117	6951014	1	20.9	7.8	54	0.05	21	10.9	483	2.95	9.9	2.3
1349304	7	624117	6950941	2.1	22	16.6	63	0.7	20.6	11.6	839	2.74	38.3	5.9
1349302	7	624118	6950991	1.8	17.7	11.1	60	0.1	20.1	10.7	547	3.01	9.8	3
1349303	7	624119	6950964	2.3	17.6	12.3	47	0.2	15.3	8.1	371	2.69	13.1	2.9
1349305	7	624118	6950915	0.7	20.2	10.8	58	0.1	19.9	9.7	421	2.55	23.7	1.6
1349013	7	624326	6950715	4.5	30.3	18.2	67	0.6	22.8	15.4	1148	3.27	30.9	11.4
1349012	7	624317	6950688	1.2	23	12.1	66	0.2	23.5	13.2	508	3.05	31.4	2.9
1349014	7	624316	6950740	3.9	26.3	17.4	68	0.6	22.7	11.3	676	3.28	34.3	9.3
1349015	7	624316	6950767	2.8	28.2	20.3	65	0.4	23.9	16.2	650	3.31	77.4	4.2
1349016	7	624317	6950791	1.9	19.5	21.5	64	0.3	19.8	11.3	649	3.06	41.5	1.7
1349017	7	624517	6950735	1.3	16.1	12.3	51	0.05	26.3	10.3	340	3.3	11.9	0.9

sample_id	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM	V_PPM	Ca_PCT	P_PCT	La_PPM	Cr_PPM	Mg_PCT	Ba_PPM	Ti_PCT	B_PPM
1349011	4.5	7	56	0.3	0.4	0.7	72	0.45	0.074	17	31	0.68	187	0.109	2
1349572	7.1	3.5	33	1.6	0.4	0.6	57	0.34	0.07	15	22	0.47	164	0.072	4
1349571	1.7	3.2	40	0.2	0.4	0.6	73	0.37	0.107	28	35	0.61	225	0.089	4
1349255	11.2	5.3	45	0.2	0.4	0.2	67	0.47	0.08	12	27	0.61	132	0.105	3
1349719	2.7	2.9	28	0.4	0.5	0.3	59	0.34	0.067	17	24	0.51	133	0.089	2
1349306	85.9	1.1	28	0.2	1.1	1.1	51	0.29	0.085	10	23	0.49	95	0.046	2
1349552	5.8	1.6	42	0.2	0.7	2.9	76	0.52	0.11	16	39	0.57	213	0.061	3
1349553	5.6	2	37	0.2	0.5	1	72	0.43	0.097	17	33	0.52	195	0.063	2
1349554	3.2	3	36	0.3	0.4	0.7	63	0.42	0.083	16	29	0.52	202	0.069	2
1349555	2.2	2.6	21	0.4	0.9	0.6	87	0.19	0.093	14	35	0.53	175	0.09	3
1349556	2.5	4.3	39	0.2	0.4	0.4	65	0.52	0.099	17	28	0.58	171	0.099	2
1349558	3.4	2.2	49	0.4	0.6	0.3	77	0.74	0.096	21	35	0.63	215	0.076	3
1349564	3.6	2.3	35	0.6	0.5	1.1	74	0.31	0.089	19	34	0.55	215	0.062	2
1349557	2.6	3.4	16	0.4	0.7	0.4	105	0.16	0.041	9	34	0.54	127	0.139	2
1349560	15.8	8	24	0.6	1.4	0.3	86	0.26	0.071	16	36	0.76	194	0.119	3
1349559	2	2	48	0.3	0.7	0.3	68	0.72	0.101	23	32	0.55	226	0.065	3
1349563	5.5	3.9	25	0.4	0.5	0.8	78	0.27	0.071	14	34	0.58	177	0.091	2
1349561	12	2.3	35	0.5	0.6	0.3	65	0.37	0.075	25	30	0.48	164	0.083	3
1349562	3.3	2.9	31	0.4	0.6	0.6	96	0.33	0.106	20	38	0.64	232	0.095	2
1349565	2.7	1.4	37	0.3	0.4	0.7	66	0.39	0.093	18	25	0.46	204	0.055	2
1349566	7.3	1.5	35	0.1	0.8	3.4	74	0.38	0.096	18	39	0.54	204	0.058	3
1349567	5.7	3.2	33	0.3	0.9	4.3	84	0.38	0.067	15	38	0.54	175	0.078	2
1349568	5.3	3.7	25	0.2	1.1	1.6	61	0.28	0.058	14	30	0.58	150	0.098	2
1349569	4.9	1.9	50	0.3	0.7	0.9	59	0.73	0.113	16	34	0.47	184	0.097	6
1349570	5.3	2.1	38	0.4	0.5	0.5	71	0.44	0.084	20	32	0.53	214	0.051	3
1349537	4.5	6.1	25	0.2	0.5	0.4	85	0.26	0.083	16	37	0.67	150	0.11	2
1349540	4.9	3.9	53	0.2	0.6	0.6	73	0.61	0.112	25	33	0.61	219	0.088	3
1349538	1.5	2.5	37	0.1	0.5	0.5	77	0.36	0.097	16	39	0.61	183	0.093	2
1349542	5.2	4.1	55	0.2	0.6	1	79	0.68	0.096	19	36	0.7	250	0.103	3
1349541	3.1	7.1	53	0.2	0.7	0.5	81	0.54	0.097	19	30	0.72	194	0.128	3
1349545	29.1	6	44	0.3	0.6	1.5	76	0.54	0.063	13	35	0.64	171	0.118	3
1349543	6.7	4.4	43	0.2	0.6	1.2	77	0.46	0.099	17	34	0.64	196	0.096	2
1349544	12.2	5.4	45	0.2	1.1	1.4	86	0.55	0.095	16	40	0.79	228	0.114	2
1349546	26.6	3.8	43	0.2	0.8	1.7	72	0.49	0.093	17	32	0.6	178	0.095	2
1349549	18	6.6	21	0.1	0.8	1	91	0.2	0.054	11	30	0.48	100	0.14	2
1349547	1.4	3.6	29	0.3	0.6	1.2	75	0.28	0.038	14	32	0.44	151	0.112	2
1349548	4	3.5	51	0.3	0.7	1.4	77	0.68	0.113	26	39	0.6	258	0.094	4
1349550	9.3	2.6	35	0.2	0.9	2.5	79	0.37	0.09	17	40	0.58	209	0.074	3
1280910	6.9	3.2	23	0.1	0.4	0.1	67	0.31	0.063	11	33	0.57	107	0.105	2
1280911	8.2	2.3	16	0.1	0.4	0.2	76	0.22	0.044	11	36	0.52	95	0.092	3
1280912	2.3	3.5	61	0.1	0.4	0.2	60	0.34	0.067	13	35	0.54	107	0.108	1
1280914	4	4.1	30	0.2	0.4	0.4	67	0.25	0.06	11	29	0.5	108	0.104	2
1280913	5.9	4.1	22	0.1	0.3	0.5	63	0.32	0.077	12	29	0.52	109	0.11	2
1280915	1.7	5.1	30	0.2	0.4	0.5	62	0.29	0.083	13	24	0.49	117	0.084	2
1280916	1.6	5.5	23	0.2	0.4	0.4	62	0.3	0.069	16	31	0.56	138	0.091	2
1280917	3.3	4.7	27	0.2	0.4	0.5	65	0.31	0.079	14	30	0.56	138	0.092	2
1280918	9.6	6.2	24	0.2	0.4	0.8	68	0.31	0.081	16	31	0.57	128	0.103	2
1280919	52.5	9.8	48	0.6	1.2	2.3	77	0.34	0.095	25	32	0.74	234	0.112	4
1349252	9.3	5.8	33	0.4	0.7	2	71	0.27	0.07	14	33	0.6	140	0.119	4
1280920	9.6	4	28	0.2	0.5	0.4	67	0.26	0.05	11	25	0.51	109	0.095	2
1280922	2.4	0.4	15	0.2	0.9	0.2	73	0.13	0.086	8	32	0.45	71	0.049	3
1280921	6.7	5.9	48	0.2	0.4	1.4	62	0.39	0.076	14	23	0.54	149	0.102	3
1280924	3.9	3.9	45	0.6	0.6	0.9	79	0.39	0.08	13	30	0.69	165	0.104	2
1280923	5.9	2.1	43	0.3	0.5	0.7	68	0.4	0.084	20	30	0.59	203	0.058	3
1349254	4.9	1.6	14	0.05	0.5	0.2	71	0.11	0.049	8	28	0.33	70	0.086	3
1349253	8.3	3.3	33	0.2	0.5	0.4	71	0.4	0.089	13	29	0.62	144	0.094	3
1280949	4.1	3.1	17	0.1	0.6	0.5	70	0.2	0.049	11	24	0.46	79	0.095	1
1280948	5.8	3.5	21	0.3	0.5	0.8	73	0.28	0.072	11	28	0.59	107	0.114	3
1280950	3.4	4.2	22	0.2	0.6	1.1	70	0.26	0.063	12	26	0.51	84	0.101	2
1349948	12.2	5.9	37	0.2	0.6	1	65	0.27	0.07	14	29	0.65	128	0.099	3
1280775	6.4	3.6	26	0.2	0.5	0.8	69	0.22	0.057	12	28	0.55	109	0.101	3
1349949	14.6	4.4	26	0.4	0.5	0.8	68	0.23	0.058	12	27	0.57	112	0.102	2
1280799	8.9	5.8	45	0.2	0.8	7.3	69	0.39	0.092	19	27	0.67	167	0.098	2
1280903	5.8	6.3	29	0.2	0.5	0.3	71	0.38	0.076	22	33	0.68	248	0.113	2
1280902	5.8	5.9	29	0.2	0.6	0.3	70	0.41	0.098	15	29	0.64	181	0.122	1
1280904	3	7.1	30	0.2	0.6	0.6	72	0.43	0.096	19	29	0.62	285	0.096	2
1280905	7.7	4.1	18	0.3	0.4	0.4	67	0.26	0.068	13	31	0.55	130	0.088	2
1280906	2	2.6	27	0.2	0.6	0.4	56	0.33	0.083	19	27	0.44	170	0.044	2
1280907	7.9	5	26	0.2	0.7	2.5	65	0.27	0.062	14	26	0.54	135	0.097	1
1280908	3.9	3.9	20	0.2	0.6	0.6	66	0.24	0.065	12	30	0.53	121	0.101	3
1280909	15.1	4.7	29	0.3	1	4	68	0.3	0.067	20	31	0.55	161	0.083	2
1349290	30.3	7.4	44	0.1	0.7	1.8	83	0.54	0.085	17	31	0.71	213	0.127	0.5
1349288	4.8	0.3	14	0.2	0.3	0.4	39	0.08	0.044	6	14	0.16	51	0.043	4
1349292	38	6.2	57	0.1	0.9	2.9	75	0.61	0.091	19	29	0.63	203	0.115	2
1349295	4.4	4.1	20	0.2	1.5	2.5	89	0.13	0.04	10	29	0.42	97	0.08	2
1349291	17.2	3.2	36	0.1	0.9	1.6	88	0.28	0.047	11	24	0.5	117	0.117	1
1349294	4.6	1.4	18	0.05	0.6	1.1	74	0.13	0.037	8	19	0.26	63	0.076	1
1349293	30.6	3.5	47	0.3	1.2	3.2	69	0.61	0.089	21	29	0.55	243	0.076	1
1349299	9.5	4.7	24	0.4	0.5	0.6	67	0.26	0.062	11	21	0.52	112	0.101	1
1349298	3.3	3	39	0.4	0.6	0.5	83	0.47	0.077	22	28	0.58	240	0.086	2
1349296	3.5	1.5	34	0.4	0.8	0.5	63	0.41	0.09	14	34	0.54	133	0.052	2
1349297	36.1	3.8	41	0.3	0.7	1.4	74	0.46	0.106	14	58	0.81	174	0.097	2
1349300	22.2	5.9	28	0.1	0.5	1.3	71	0.34	0.077	16	27	0.61	153	0.107	1
1349304	152.3	1.6	41	0.3	0.7	1.9	65	0.56	0.092	18	30	0.49	204	0.049	2
1349302	0.6	2.6	34	0.1	0.4	0.5	76	0.35	0.078	16	30	0.58	194	0.08	2
1349303	8.4	1.2	30	0.2	0.4	0.6	69	0.32	0.079	13	26	0.46	143	0.053	0.5
1349305	89.2	5.4	31	0.2	0.8	3.1	65	0.43	0.081	13	26	0.51	123	0.097	0.5
1349013	2.7	2.2	65	0.3	1	2.8	76	0.83	0.099	27	30	0.54	283	0.051	3
1349012	29.9	5.2	46	0.1	0.9	3.1	63	0.31	0.072	13	25	0.6	125	0.085	0.5
1349014	12.4	3.5	55	0.3	0.6	3.4	76	0.59	0.077	24	30	0.52	227	0.068	3
1349015	14.3	4.2	37	0.1	1.2	5.6	69	0.38	0.062	15	28	0.54	198	0.065	4
1349016	152	5.8	21	0.4	1.1	3.4	70	0.27	0.07	12	29	0.46	141	0.071	0.5
1349017	1.6	4.4	25	0.1	0.8	0.3	90	0.2	0.026	10	33	0.54	99	0.113	2

sample_id	Al_PCT	Na_PCT	K_PCT	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM	S_PCT	Ga_PPM	Se_PPM	Te_PPM	Method_2
1349011	1.98	0.018	0.11	0.2	0.05	4.2	0.2	0.025	6	0.9	0.1	AQ201
1349572	1.43	0.015	0.08	0.3	0.06	2.9	0.2	0.025	5	0.25	0.1	AQ201
1349571	2.35	0.016	0.07	0.2	0.07	4.5	0.3	0.08	7	0.25	0.1	AQ201
1349255	1.74	0.021	0.08	0.2	0.02	3.9	0.1	0.025	5	0.25	0.1	AQ201
1349719	1.48	0.016	0.08	0.2	0.07	3.1	0.2	0.05	6	0.25	0.1	AQ201
1349306	1.56	0.029	0.07	0.2	0.17	2.7	0.1	0.06	5	0.6	0.1	AQ201
1349552	2.28	0.013	0.06	0.2	0.05	4	0.2	0.06	7	0.25	0.1	AQ201
1349553	2.01	0.014	0.05	0.2	0.05	3.5	0.2	0.025	7	0.25	0.1	AQ201
1349554	1.78	0.017	0.06	0.3	0.04	3.7	0.2	0.025	6	0.25	0.1	AQ201
1349555	2.43	0.011	0.08	0.1	0.05	3.8	0.2	0.025	9	0.25	0.1	AQ201
1349556	1.71	0.019	0.07	0.2	0.03	3.8	0.2	0.025	5	0.25	0.1	AQ201
1349558	2.51	0.014	0.09	0.2	0.06	4.6	0.2	0.025	8	0.25	0.1	AQ201
1349564	2.3	0.011	0.06	0.2	0.04	3.8	0.2	0.025	7	0.25	0.1	AQ201
1349557	2.21	0.009	0.07	0.1	0.05	4.2	0.2	0.025	10	0.25	0.1	AQ201
1349560	2.74	0.014	0.09	0.1	0.05	4.7	0.2	0.025	8	0.25	0.1	AQ201
1349559	2.27	0.014	0.08	0.1	0.05	4	0.2	0.025	7	0.25	0.1	AQ201
1349563	2.68	0.012	0.07	0.2	0.05	4.7	0.2	0.025	8	0.25	0.1	AQ201
1349561	1.81	0.014	0.08	0.2	0.04	3.7	0.1	0.025	7	0.25	0.1	AQ201
1349562	2.73	0.011	0.07	0.2	0.03	4.2	0.2	0.025	9	0.25	0.1	AQ201
1349565	2.09	0.013	0.06	0.3	0.05	3.3	0.2	0.06	7	0.25	0.1	AQ201
1349566	2.22	0.013	0.06	0.2	0.05	3.9	0.2	0.025	7	0.25	0.1	AQ201
1349567	2.07	0.013	0.06	0.3	0.06	4.2	0.2	0.025	8	0.25	0.1	AQ201
1349568	1.87	0.013	0.07	0.2	0.04	3.7	0.2	0.025	6	0.25	0.1	AQ201
1349569	1.68	0.019	0.09	0.3	0.08	4	0.2	0.09	5	0.25	0.1	AQ201
1349570	2.26	0.015	0.07	0.2	0.05	4.3	0.2	0.025	7	0.25	0.1	AQ201
1349537	2.41	0.012	0.07	0.2	0.03	4.2	0.2	0.025	8	0.25	0.1	AQ201
1349540	2.18	0.015	0.08	0.1	0.07	4.5	0.4	0.025	8	0.25	0.1	AQ201
1349538	2.38	0.014	0.07	0.2	0.06	3.9	0.3	0.025	9	0.25	0.1	AQ201
1349542	2.27	0.014	0.1	0.2	0.05	4.9	0.3	0.025	9	0.25	0.1	AQ201
1349541	2.14	0.015	0.14	0.2	0.03	4.6	0.4	0.025	8	0.25	0.1	AQ201
1349545	2.04	0.013	0.09	0.2	0.03	4.3	0.3	0.025	8	0.25	0.1	AQ201
1349543	2.25	0.016	0.08	0.2	0.05	4.5	0.4	0.025	8	0.25	0.1	AQ201
1349544	2.55	0.014	0.12	0.2	0.05	5.2	0.3	0.025	9	0.25	0.1	AQ201
1349546	1.96	0.012	0.08	0.2	0.04	4	0.2	0.025	7	0.25	0.1	AQ201
1349549	1.89	0.01	0.06	0.3	0.04	3.4	0.2	0.025	10	0.25	0.1	AQ201
1349547	1.79	0.014	0.08	0.1	0.04	3.6	0.2	0.025	8	0.25	0.1	AQ201
1349548	2.52	0.015	0.1	0.2	0.06	4.8	0.2	0.025	8	0.25	0.1	AQ201
1349550	2.33	0.014	0.07	0.2	0.05	4.3	0.2	0.025	8	0.25	0.1	AQ201
1280910	2.06	0.018	0.06	0.2	0.02	4.1	0.1	0.025	5	0.25	0.1	AQ201
1280911	2.19	0.011	0.05	0.1	0.05	3.8	0.1	0.025	6	0.25	0.1	AQ201
1280912	2	0.018	0.08	0.1	0.02	4.8	0.1	0.025	5	0.25	0.1	AQ201
1280914	1.88	0.023	0.06	0.4	0.03	3.6	0.1	0.025	5	0.25	0.1	AQ201
1280913	1.99	0.016	0.07	0.2	0.03	3.6	0.1	0.025	5	0.25	0.1	AQ201
1280915	1.47	0.021	0.06	0.4	0.03	3.3	0.1	0.025	5	0.25	0.1	AQ201
1280916	1.88	0.018	0.07	0.2	0.03	4.8	0.2	0.025	6	0.25	0.1	AQ201
1280917	1.97	0.016	0.07	0.3	0.04	4.4	0.2	0.025	6	0.25	0.1	AQ201
1280918	2.02	0.017	0.09	0.4	0.05	4.7	0.2	0.025	6	0.25	0.1	AQ201
1280919	2.37	0.013	0.11	0.4	0.04	5.6	0.4	0.025	7	0.25	0.1	AQ201
1349252	2.23	0.017	0.07	0.4	0.03	4.4	0.2	0.025	6	0.25	0.1	AQ201
1280920	1.49	0.012	0.06	0.2	0.02	3.2	0.1	0.025	6	0.25	0.1	AQ201
1280922	2.31	0.012	0.05	0.05	0.15	2.2	0.2	0.07	8	0.6	0.1	AQ201
1280921	1.59	0.018	0.08	0.3	0.02	3.2	0.2	0.025	5	0.25	0.1	AQ201
1280924	2.26	0.017	0.11	0.2	0.07	3.9	0.2	0.025	7	0.25	0.1	AQ201
1280923	2.3	0.017	0.07	0.1	0.06	3.7	0.2	0.025	7	0.25	0.1	AQ201
1349254	1.72	0.008	0.04	0.1	0.09	2.9	0.1	0.025	7	0.25	0.1	AQ201
1349253	1.99	0.017	0.08	0.2	0.04	3.6	0.2	0.025	6	0.25	0.1	AQ201
1280949	1.72	0.015	0.07	0.2	0.04	3.2	0.2	0.025	7	0.25	0.1	AQ201
1280948	1.7	0.016	0.09	0.2	0.05	3.8	0.2	0.025	7	0.25	0.1	AQ201
1280950	2.06	0.014	0.07	0.2	0.03	3.4	0.2	0.025	7	0.25	0.1	AQ201
1349948	2.22	0.015	0.11	0.3	0.03	4.1	0.2	0.025	6	0.25	0.1	AQ201
1280775	1.75	0.014	0.09	0.2	0.03	3.2	0.2	0.025	7	0.25	0.1	AQ201
1349949	1.67	0.015	0.09	0.2	0.03	3.5	0.2	0.025	6	0.25	0.1	AQ201
1280799	2.07	0.02	0.1	0.4	0.02	4.2	0.3	0.025	6	0.25	0.1	AQ201
1280903	2.08	0.02	0.1	0.2	0.05	6.9	0.2	0.025	6	0.25	0.1	AQ201
1280902	1.82	0.023	0.09	0.3	0.02	4.4	0.2	0.025	5	0.25	0.1	AQ201
1280904	1.96	0.017	0.09	0.3	0.03	5.3	0.2	0.025	6	0.25	0.1	AQ201
1280905	1.75	0.013	0.07	0.3	0.03	3.7	0.1	0.025	6	0.25	0.1	AQ201
1280906	1.65	0.011	0.07	0.2	0.04	3.7	0.2	0.025	6	0.25	0.1	AQ201
1280907	1.77	0.013	0.07	0.2	0.03	4	0.2	0.025	5	0.25	0.1	AQ201
1280908	2.13	0.013	0.07	0.2	0.04	3.9	0.1	0.025	7	0.25	0.1	AQ201
1280909	2.09	0.016	0.06	0.2	0.03	4.3	0.2	0.025	6	0.25	0.1	AQ201
1349290	2.11	0.016	0.13	0.2	0.03	4.8	0.3	0.025	7	0.25	0.1	AQ201
1349288	0.69	0.01	0.04	0.1	0.04	1.2	0.1	0.025	5	0.25	0.1	AQ201
1349292	1.98	0.02	0.11	0.3	0.04	5	0.3	0.025	6	0.25	0.1	AQ201
1349295	2.04	0.01	0.06	0.2	0.04	3.2	0.2	0.025	10	0.5	0.1	AQ201
1349291	1.57	0.013	0.07	0.3	0.02	3.1	0.2	0.025	8	0.25	0.1	AQ201
1349294	1.23	0.009	0.05	0.1	0.07	2.4	0.2	0.025	8	0.25	0.1	AQ201
1349293	2.17	0.017	0.08	0.3	0.06	4.9	0.2	0.025	7	0.25	0.1	AQ201
1349299	1.89	0.011	0.06	0.2	0.04	2.9	0.1	0.025	6	0.25	0.1	AQ201
1349298	2.47	0.012	0.09	0.2	0.05	4	0.2	0.025	9	0.25	0.1	AQ201
1349296	1.67	0.02	0.08	0.1	0.25	2.3	0.2	0.025	7	0.5	0.1	AQ201
1349297	2.14	0.016	0.1	0.4	0.07	4.1	0.2	0.025	7	0.25	0.1	AQ201
1349300	1.86	0.015	0.07	0.3	0.03	4.2	0.1	0.025	6	0.25	0.1	AQ201
1349304	1.84	0.014	0.07	0.3	0.05	3.5	0.1	0.025	6	0.25	0.1	AQ201
1349302	2.07	0.013	0.06	0.2	0.05	3.6	0.2	0.025	7	0.25	0.1	AQ201
1349303	1.82	0.01	0.05	0.3	0.03	2.8	0.1	0.025	7	0.25	0.1	AQ201
1349305	1.39	0.021	0.06	0.3	0.02	3.8	0.05	0.025	5	0.25	0.1	AQ201
1349013	2.24	0.013	0.09	0.2	0.08	3.8	0.2	0.13	8	1.1	0.1	AQ201
1349012	2.01	0.014	0.08	0.3	0.01	3.3	0.3	0.06	6	1.1	0.1	AQ201
1349014	2.04	0.014	0.09	0.2	0.07	4.1	0.2	0.025	7	1.4	0.1	AQ201
1349015	1.83	0.014	0.07	0.2	0.08	3	0.2	0.08	6	1.9	0.1	AQ201
1349016	1.47	0.012	0.05	0.3	0.07	3.1	0.1	0.06	5	0.25	0.1	AQ201
1349017	2.35	0.012	0.05	0.2	0.07	3.4	0.1	0.025	8	0.25	0.1	AQ201

sample_id	utm_zone	utm_eastin	utm_northi	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_PCT	As_PPM	U_PPM
1349018	7	624518	6950759	2.7	19.3	13.8	54	0.2	14.3	7.3	377	2.95	11.8	1.1
1349022	7	624518	6950860	1	22.6	11.7	59	0.05	24.7	14.6	622	3.03	13.3	1.3
1349019	7	624519	6950784	0.4	26.5	7.8	58	0.2	30.9	12.2	474	2.88	9.5	1
1349021	7	624518	6950835	1.4	20	13.5	57	0.05	23.7	12.5	438	3.28	13.3	1.2
1349020	7	624518	6950810	1.1	20.5	10.2	58	0.05	28.9	12.2	405	3.27	10.9	0.9
1349024	7	624517	6950909	1.5	23.9	13.5	69	0.1	25.6	13.1	610	3.1	14.8	3.6
1349023	7	624519	6950885	1.9	20.2	13.1	57	0.05	19.6	9.3	284	3.23	9.8	0.9
1348049	7	624017	6950789	1.2	23.9	13.1	66	0.2	22.9	11.6	539	2.75	34.8	3
1348048	7	624017	6950814	0.6	19.2	7.6	59	0.05	22.4	9.3	468	2.71	19.1	1.5
1349025	7	624517	6950909	1.9	25.4	14.2	70	0.1	26.8	13.5	619	3.2	15.7	4.2
1349740	7	624318	6950866	1.1	22.8	26.3	71	0.7	22.4	9.1	466	2.88	65.8	2.2
1349279	7	624018	6950665	5	16.3	11.6	59	0.3	16.7	7.6	307	2.74	31	3.1
1348050	7	624017	6950765	2.4	19.5	14.7	78	0.2	19.3	10.2	692	3.54	69.9	1.3
1349276	7	624017	6950740	1.7	19.1	11.2	72	0.2	21.4	11.7	687	3.13	35.7	2.2
1349277	7	624017	6950715	4.7	27.1	15.3	69	0.7	25.7	12.1	537	3.63	76.1	6.4
1349278	7	624017	6950689	2.3	18.4	8.8	79	0.05	31.9	12.1	638	3.08	23.4	2.4
1349280	7	624017	6950639	4.4	18.8	12.2	64	0.4	19.8	10.6	566	2.86	20.2	5.8
1349282	7	624018	6950589	1.5	15.8	9.5	68	0.2	19.2	10.4	614	3.1	12.4	3.9
1349281	7	624018	6950614	2.4	18.6	13	70	0.3	23.1	12.2	586	3.29	19.3	4.6
1349284	7	624117	6950566	2.3	22.3	16.2	80	0.2	25.3	15.7	861	3.88	17.8	4.4
1349285	7	624116	6950590	2.2	24.6	13	73	0.4	22.8	13.1	776	3.26	15.3	7.9
1349286	7	624117	6950615	1.8	25.5	10.9	61	0.4	19.7	8.4	374	2.87	19.3	5.5
1349287	7	624117	6950640	1.7	17.6	11	66	0.2	18.3	11.4	601	3.09	21	3.9
1349283	7	624017	6950565	1.7	18.4	13.7	82	0.1	23.3	13	755	3.49	16.1	3.8
1353735	7	624217	6951064	1.1	17.6	9.4	63	0.1	22.8	12.1	567	2.96	8.6	2.3
1353737	7	624217	6951015	1.1	17.9	9	61	0.05	21.9	10.2	543	2.87	8.1	2.6
1353736	7	624217	6951039	0.9	16	8.8	67	0.05	20.2	9.8	475	2.76	9.5	2.2
1353739	7	624217	6950963	2	19.1	12.7	59	0.2	20.5	9.7	507	2.9	15	2.8
1353738	7	624217	6950990	1.7	17.9	11.7	59	0.2	21.2	10.8	550	2.95	9.4	4.2
1353742	7	624217	6950890	0.8	21.7	19.2	80	0.2	26.1	13.6	682	3.23	47.2	1.9
1353740	7	624217	6950939	1.3	25.1	25.5	70	1.2	22.9	10.7	718	2.83	57.7	4.8
1353741	7	624217	6950914	0.9	19.6	20	59	0.8	18.1	8	507	2.7	49	3.1
1353746	7	624218	6950790	1.1	16.9	12.2	35	0.5	12	5.6	237	1.79	34.6	2.1
1353743	7	624217	6950864	1.4	19.3	19.4	55	0.3	21.9	10.9	644	2.89	37.2	2.5
1353745	7	624217	6950815	1.4	29.1	22.4	72	0.6	25.2	13.2	711	3.4	69.3	4.7
1353744	7	624218	6950838	1.5	13.1	15.5	42	0.4	13.8	6.3	268	2.21	27.7	1.3
1353747	7	624217	6950765	2.2	18.9	22.5	61	0.5	17.4	7.8	415	3.18	72.7	1.7
1353748	7	624217	6950739	2.2	22.4	17.2	68	0.6	20.1	9.1	440	2.83	37.7	4.6
1353749	7	624217	6950715	4.2	24.1	14.2	64	0.3	24.7	12	562	3.23	33.6	8.1
1353750	7	624218	6950690	5	19.2	16.2	46	0.2	16.4	6.5	293	2.91	17.6	4.8
1349004	7	624218	6950614	0.9	19.5	10.8	65	0.2	21.9	11.3	609	2.97	12.3	4.4
1349002	7	624218	6950665	3.7	32	19.9	85	0.3	27.8	15.8	902	4.05	34.6	10
1349003	7	624218	6950638	1.6	23.5	13.8	72	0.2	24.7	13	673	3.49	16.3	6
1349005	7	624218	6950589	1.4	19.6	10.8	65	0.05	21.3	12	668	3.16	11.6	4.5
1349006	7	624217	6950564	2	20.6	19.7	82	0.1	21.3	15.9	937	3.29	20.7	4.5
1349007	7	624317	6950565	1.2	18.3	13.8	68	0.05	23.2	11.1	568	3.17	14.2	2.2
1349008	7	624317	6950590	2	18.3	14.3	59	0.4	16.1	7	387	2.28	11.3	3.1
1349009	7	624317	6950614	2.1	24.1	17.7	79	0.2	24.4	14.6	937	3.6	16.2	5.3
1349010	7	624317	6950640	1.4	17.2	12.2	65	0.1	17.8	10.6	501	2.89	9.6	2.4
1349742	7	624319	6950916	1.1	29.9	31.1	67	1.3	23.3	10.4	590	3.07	76.8	3.9
1349716	7	624417	6950640	1	22.9	12	64	0.1	21.1	12.5	659	3.03	13.1	2.5
1349718	7	624417	6950589	2.5	22.1	28.2	70	0.6	21.3	12.2	424	3	22.1	3.7
1349717	7	624417	6950615	1.2	24.1	14.8	69	0.3	22	12.6	703	3.11	20.6	5.4
1349744	7	624317	6950964	2.2	22.5	20.5	69	0.7	21.3	12.1	682	2.92	26.5	4.2
1349743	7	624317	6950940	2	28.7	39.4	82	2	19.4	10.3	588	3.15	86	3.8
1349747	7	624317	6951041	2.5	16.6	13.9	45	0.05	17.5	8.4	265	3.25	16	1.4
1349745	7	624317	6950990	2.4	19.3	14	56	0.1	20.3	11.8	755	2.99	8.8	4.4
1349746	7	624317	6951016	0.8	23.9	8.7	66	0.1	25.5	11.4	582	3.03	9.6	2.7
1349748	7	624317	6951064	1.9	14.5	12.4	41	0.2	14.4	7.7	297	2.29	12.2	1.1
1349749	7	624417	6951066	0.5	20.1	6.6	52	0.05	24.4	10.5	426	2.59	7	0.8
1280823	7	624418	6951015	2.5	20.8	12.4	68	0.2	23.6	14.3	934	3.53	10.5	4.7
1349702	7	624417	6950990	3.2	20.2	14.7	69	0.1	21.8	14.5	1121	3.47	9.1	4.5
1349703	7	624418	6950965	2.6	19.9	15	69	0.1	20.9	12.7	833	3.06	11.7	3.7
1349705	7	624417	6950915	2	19.5	22	51	0.4	12.8	5.5	276	2.61	39.5	1
1349704	7	624417	6950940	1.6	21.4	25.1	70	0.7	20.9	11.4	624	3.02	34.7	3.7
1349706	7	624417	6950890	2	26.1	23.6	78	1.3	24	9.4	645	3.58	81.5	1.4
1349707	7	624418	6950865	2.1	21.5	61.3	64	0.7	14.6	9.6	788	4.18	214.9	2.6
1349708	7	624417	6950840	1.9	19.1	26.1	56	0.4	19.1	9.4	421	3.56	51.3	1
1349709	7	624418	6950815	2.4	25.1	39.9	60	0.2	21.4	17.1	831	3.94	175.2	2.7
1349710	7	624417	6950791	1.3	17.4	17.2	57	0.1	19.1	10.7	495	2.84	20.5	2
1349711	7	624417	6950766	1.2	29.8	16.1	60	0.2	23.8	13.3	587	3.13	28.6	7.8
1349713	7	624417	6950715	0.7	21.2	10.2	58	0.3	18.9	12.6	540	2.89	15.5	2
1349714	7	624417	6950689	1.4	22.6	21.8	67	0.05	26.1	16.2	608	3.58	18.9	1.6
1349715	7	624417	6950665	0.8	19.7	11.6	58	0.1	21	12	560	2.9	10.7	2.1
1349712	7	624418	6950740	1.4	20	12.8	54	0.05	24.2	11.8	470	3.49	16.2	1.3
1349750	7	624418	6951040	0.6	19.5	7.1	52	0.05	20	9.4	429	2.69	6.8	1.9
1349741	7	624317	6950890	0.9	28.5	32	82	1.2	25	10.9	700	3.11	77	2
1349738	7	624317	6950815	1.3	31.8	35.8	64	1.1	21.3	13.4	980	3.69	275.9	1.9
1349739	7	624317	6950840	0.8	22.5	25	65	0.4	25.5	12.4	729	3.1	58.1	1.3

sample_id	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM	V_PPM	Ca_PCT	P_PCT	La_PPM	Cr_PPM	Mg_PCT	Ba_PPM	Ti_PCT	B_PPM
1349018	3.9	1.7	44	0.2	0.8	0.6	96	0.26	0.048	10	25	0.3	152	0.081	3
1349022	5.1	4.7	40	0.3	0.5	0.5	72	0.36	0.091	13	34	0.54	162	0.097	2
1349019	10.9	3.3	19	0.2	0.4	0.3	74	0.26	0.032	12	33	0.65	106	0.116	1
1349021	5.3	3.9	18	0.2	0.6	0.3	75	0.19	0.071	12	38	0.57	113	0.087	2
1349020	6.1	2.8	18	0.05	0.7	0.4	75	0.23	0.042	10	34	0.53	109	0.089	2
1349024	3.2	4.1	35	0.2	0.5	0.3	71	0.31	0.075	14	34	0.56	153	0.09	2
1349023	1.3	1.4	15	0.2	0.7	0.2	77	0.14	0.071	9	38	0.38	90	0.075	2
1348049	22.3	5.2	37	0.2	1.1	1.3	64	0.44	0.08	16	33	0.63	201	0.086	3
1348048	16.1	5.8	39	0.2	0.7	0.6	66	0.43	0.073	15	30	0.65	144	0.125	2
1349025	6.8	4.3	34	0.2	0.5	0.5	76	0.29	0.08	15	37	0.57	161	0.089	2
1349740	339.9	4.1	21	0.5	1.3	4	68	0.36	0.081	15	28	0.48	143	0.083	2
1349279	5	2.6	39	0.2	0.5	1	73	0.42	0.062	14	25	0.51	193	0.099	2
1348050	26.8	4.5	29	0.3	1	4.5	97	0.19	0.051	13	29	0.52	160	0.116	3
1349276	15.3	4.9	38	0.2	0.7	1.4	73	0.44	0.065	14	29	0.67	180	0.11	1
1349277	13.5	4.2	44	0.1	0.8	2.1	79	0.52	0.082	19	37	0.65	257	0.079	3
1349278	5.7	6.8	44	0.2	0.6	0.9	75	0.53	0.084	14	37	0.85	180	0.133	2
1349280	6.4	2.9	43	0.1	0.5	0.7	70	0.51	0.094	17	30	0.57	224	0.078	2
1349282	18.7	6.3	47	0.1	0.7	0.4	73	0.47	0.078	16	31	0.69	167	0.114	2
1349281	4.6	4.5	37	0.2	0.6	0.7	77	0.34	0.071	19	34	0.65	200	0.099	2
1349284	5.2	4.3	40	0.3	0.6	0.5	90	0.44	0.084	16	37	0.64	229	0.097	2
1349285	6.1	4	53	0.3	0.6	0.4	80	0.6	0.093	26	31	0.62	282	0.088	2
1349286	8.4	2	39	0.2	0.5	0.7	64	0.37	0.084	23	28	0.51	203	0.076	3
1349287	11.3	6.9	54	0.2	0.7	0.6	75	0.52	0.082	17	26	0.68	183	0.108	1
1349283	4.5	6.1	42	0.2	0.7	0.4	82	0.49	0.075	16	34	0.69	199	0.112	2
1353735	11.2	6.4	30	0.1	0.6	0.6	72	0.46	0.089	16	30	0.67	159	0.11	2
1353737	2.9	4.1	36	0.2	0.5	0.5	69	0.45	0.073	16	30	0.59	187	0.093	2
1353736	2.9	4.6	37	0.05	0.5	1.4	68	0.4	0.072	13	28	0.58	128	0.095	1
1353739	4.7	2.6	22	0.2	0.3	0.7	69	0.23	0.07	14	31	0.5	134	0.067	0.5
1353738	4.7	3	39	0.05	0.4	0.5	72	0.4	0.082	19	34	0.61	182	0.089	3
1353742	9.9	4.5	32	0.3	0.9	5.2	64	0.29	0.083	13	34	0.52	163	0.075	2
1353740	66.6	3.4	28	0.1	1.8	9.1	59	0.41	0.081	16	31	0.53	156	0.062	3
1353741	8.8	1.5	39	0.2	0.8	4	61	0.44	0.083	15	28	0.47	218	0.046	0.5
1353746	40.4	2.3	31	0.3	0.7	4.3	45	0.29	0.041	15	18	0.25	118	0.056	2
1353743	12.6	1.9	47	0.2	0.8	2.6	70	0.45	0.082	17	31	0.48	192	0.052	0.5
1353745	19.2	4.6	68	0.2	1	6.1	75	0.65	0.085	20	36	0.58	259	0.064	0.5
1353744	163	3.8	41	0.05	0.9	4.6	60	0.24	0.036	11	21	0.32	109	0.073	4
1353747	10.7	3.9	19	0.4	0.9	4.9	80	0.18	0.045	12	28	0.43	114	0.087	0.5
1353748	12.2	1.9	28	0.2	0.9	3	66	0.38	0.09	15	31	0.49	156	0.053	2
1353749	1.7	4.2	41	0.1	1.1	3.8	72	0.43	0.068	19	31	0.61	193	0.07	0.5
1353750	5.1	3.1	22	0.4	0.6	1	79	0.16	0.048	11	30	0.35	97	0.082	0.5
1349004	21.5	5.5	44	0.05	0.4	0.3	71	0.4	0.072	17	29	0.66	175	0.101	0.5
1349002	8.6	7.4	53	0.2	1	2.1	91	0.58	0.094	20	43	0.81	279	0.093	2
1349003	13.1	5.3	39	0.2	0.7	1.2	86	0.32	0.092	20	35	0.64	195	0.098	0.5
1349005	34.4	8.3	38	0.3	0.4	0.6	77	0.37	0.081	18	30	0.64	191	0.113	1
1349006	3.8	5.2	44	0.5	0.6	0.6	77	0.42	0.085	21	31	0.62	252	0.098	0.5
1349007	17.3	5.6	26	0.2	0.5	0.6	78	0.31	0.077	13	31	0.57	145	0.112	1
1349008	5.6	2.1	36	0.5	0.5	0.5	70	0.35	0.051	14	21	0.38	154	0.083	3
1349009	2.5	4.9	48	0.2	0.6	0.6	91	0.43	0.085	16	35	0.71	222	0.095	2
1349010	5	5.4	36	0.05	0.4	0.4	69	0.27	0.061	16	28	0.6	154	0.101	3
1349742	234.6	4.5	24	0.4	2.4	18.3	64	0.36	0.088	15	28	0.57	175	0.075	2
1349716	3.1	7.7	42	0.2	0.5	0.4	74	0.43	0.082	14	26	0.67	172	0.13	2
1349718	7.2	3.1	41	0.2	0.6	1.1	74	0.33	0.067	14	27	0.61	204	0.103	2
1349717	16.7	7.4	41	0.3	0.5	0.8	71	0.49	0.083	18	27	0.67	184	0.113	2
1349744	14.3	2.8	34	0.2	0.6	2.5	66	0.39	0.082	16	31	0.54	190	0.052	2
1349743	19.2	2	22	0.5	2.1	8	68	0.31	0.083	15	29	0.44	175	0.039	3
1349747	10.9	1.6	25	0.2	0.5	2.7	88	0.2	0.052	9	31	0.47	100	0.089	2
1349745	2.2	2.5	32	0.1	0.3	0.5	76	0.33	0.076	18	32	0.6	207	0.079	2
1349746	3.1	4.3	37	0.2	0.4	0.4	71	0.45	0.079	17	32	0.64	214	0.1	2
1349748	5.5	1.3	17	0.2	0.5	1.8	70	0.13	0.061	8	20	0.35	80	0.07	4
1349749	8	3.8	22	0.2	0.3	0.2	67	0.29	0.049	11	28	0.61	124	0.113	1
1280823	7.2	4.9	48	0.2	0.5	0.8	78	0.48	0.085	19	34	0.7	243	0.099	2
1349702	2.3	2	39	0.4	0.4	0.6	78	0.33	0.086	18	31	0.64	341	0.067	2
1349703	3.5	2	31	0.3	0.5	0.6	70	0.31	0.076	17	31	0.52	196	0.049	2
1349705	15.5	1.1	14	0.2	1.3	6.2	84	0.13	0.045	10	23	0.25	100	0.047	1
1349704	46	4.3	37	0.2	0.7	5.5	65	0.42	0.082	18	28	0.51	179	0.065	2
1349706	14.8	1.5	15	0.6	1.1	2.5	77	0.17	0.055	11	29	0.4	140	0.063	2
1349707	28.5	1.8	13	0.4	1.9	11.4	68	0.16	0.082	12	25	0.31	116	0.038	3
1349708	8.2	2.5	14	0.4	0.9	1	82	0.14	0.044	11	30	0.45	117	0.083	2
1349709	108.7	3.6	22	0.3	2.5	10.9	69	0.25	0.05	12	29	0.48	136	0.068	3
1349710	5.4	4.3	24	0.3	0.6	1.3	69	0.32	0.063	13	25	0.49	131	0.088	2
1349711	10.6	6	79	0.2	0.9	1.6	65	0.41	0.083	20	0.5	0.59	179	0.073	2
1349713	10.1	7.4	45	0.2	0.5	0.9	63	0.33	0.074	14	22	0.63	151	0.1	2
1349714	6.1	4.8	36	0.7	0.6	0.8	84	0.28	0.064	11	31	0.64	147	0.118	2
1349715	10	6.7	34	0.2	0.4	0.4	70	0.35	0.08	14	26	0.58	149	0.114	1
1349712	7.9	4.2	24	0.3	0.6	0.7	78	0.28	0.044	11	30	0.52	95	0.104	3
1349750	5.2	5	30	0.2	0.4	0.8	64	0.32	0.071	15	27	0.55	123	0.099	0.5
1349741	70.2	5.3	22	0.5	2.2	11.3	68	0.35	0.088	15	29	0.57	172	0.085	2
1349738	122.4	3.7	16	0.5	1.4	19.5	65	0.21	0.057	13	29	0.48	115	0.065	2
1349739	15.1	4.4	16	0.6	1.2	7.8	66	0.25	0.054	10	31	0.54	109	0.099	4

sample_id	Al_PCT	Na_PCT	K_PCT	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM	S_PCT	Ga_PPM	Se_PPM	Te_PPM	Method_2
1349018	1.39	0.012	0.06	0.05	0.04	2.4	0.2	0.09	9	0.25	0.1	AQ201
1349022	1.94	0.018	0.07	0.2	0.03	3.8	0.1	0.025	6	0.25	0.1	AQ201
1349019	2.43	0.015	0.06	0.2	0.05	4.4	0.1	0.025	6	0.25	0.1	AQ201
1349021	2.82	0.013	0.06	0.1	0.04	4.4	0.2	0.025	6	0.25	0.1	AQ201
1349020	2.63	0.013	0.05	0.2	0.07	4.3	0.1	0.025	8	0.25	0.1	AQ201
1349024	2.07	0.016	0.07	0.2	0.03	4.4	0.2	0.025	6	0.25	0.1	AQ201
1349023	2.66	0.01	0.04	0.1	0.07	3.3	0.1	0.025	8	0.25	0.1	AQ201
1348049	2.09	0.016	0.07	0.3	0.04	4.8	0.2	0.025	7	0.6	0.1	AQ201
1348048	1.48	0.019	0.08	0.2	0.02	4.4	0.1	0.025	5	0.5	0.1	AQ201
1349025	2.33	0.015	0.07	0.2	0.04	4.6	0.2	0.025	6	0.25	0.1	AQ201
1349740	1.46	0.014	0.05	0.3	0.03	3.7	0.05	0.025	5	0.25	0.1	AQ201
1349279	1.81	0.013	0.08	0.2	0.04	3.7	0.2	0.025	8	0.25	0.1	AQ201
1348050	1.91	0.011	0.08	0.2	0.05	3.3	0.2	0.025	10	0.25	0.1	AQ201
1349276	1.87	0.015	0.08	0.2	0.02	4.4	0.2	0.025	6	0.25	0.1	AQ201
1349277	2.44	0.015	0.09	0.3	0.06	5.6	0.3	0.025	8	0.25	0.1	AQ201
1349278	2.05	0.016	0.14	0.2	0.02	4.3	0.2	0.025	6	0.25	0.1	AQ201
1349280	2.2	0.014	0.09	0.2	0.05	4.5	0.3	0.025	8	0.25	0.1	AQ201
1349282	1.98	0.017	0.11	0.2	0.03	4.2	0.3	0.025	7	0.25	0.1	AQ201
1349281	2.21	0.014	0.08	0.2	0.04	4.4	0.3	0.025	8	0.6	0.1	AQ201
1349284	2.47	0.013	0.09	0.2	0.05	4.6	0.2	0.025	9	0.25	0.1	AQ201
1349285	2.45	0.016	0.09	0.2	0.05	5	0.3	0.025	7	0.25	0.1	AQ201
1349286	2.1	0.013	0.07	0.2	0.06	3.8	0.2	0.025	7	0.25	0.1	AQ201
1349287	1.83	0.016	0.11	0.2	0.03	4.7	0.3	0.025	6	0.25	0.1	AQ201
1349283	2.2	0.015	0.11	0.2	0.03	4.4	0.3	0.025	8	0.25	0.1	AQ201
1353735	1.79	0.019	0.09	0.2	0.02	3.4	0.2	0.025	6	0.25	0.1	AQ201
1353737	1.85	0.018	0.07	0.2	0.01	4.2	0.1	0.025	5	0.25	0.1	AQ201
1353736	1.6	0.016	0.08	0.3	0.05	3.5	0.05	0.06	6	0.25	0.1	AQ201
1353739	2.08	0.011	0.06	0.2	0.06	3.5	0.2	0.025	7	1.1	0.1	AQ201
1353738	2.18	0.016	0.07	0.2	0.05	3.9	0.2	0.08	8	0.25	0.1	AQ201
1353742	2.22	0.013	0.07	0.3	0.05	3.7	0.1	0.06	6	0.8	0.1	AQ201
1353740	1.78	0.013	0.06	0.4	0.08	4	0.1	0.06	6	0.9	0.1	AQ201
1353741	1.85	0.014	0.07	0.2	0.04	2.7	0.2	0.09	7	1.4	0.1	AQ201
1353746	1.01	0.014	0.05	0.4	0.07	2.4	0.05	0.025	5	1.4	0.1	AQ201
1353743	1.92	0.013	0.07	0.2	0.07	2.9	0.2	0.08	7	0.9	0.1	AQ201
1353745	2.37	0.017	0.09	0.4	0.05	5.2	0.05	0.025	7	0.25	0.1	AQ201
1353744	1.27	0.01	0.06	0.3	0.1	2.7	0.1	0.07	6	0.25	0.1	AQ201
1353747	1.71	0.012	0.06	0.2	0.05	3.3	0.2	0.025	8	0.25	0.1	AQ201
1353748	1.79	0.013	0.08	0.2	0.06	3.4	0.2	0.07	6	0.25	0.1	AQ201
1353749	2.14	0.014	0.08	0.3	0.04	4.6	0.2	0.025	7	0.25	0.1	AQ201
1353750	1.89	0.012	0.06	0.1	0.07	3.5	0.2	0.05	9	0.25	0.1	AQ201
1349004	1.98	0.017	0.09	0.1	0.03	4	0.2	0.025	7	0.25	0.1	AQ201
1349002	2.8	0.015	0.12	0.2	0.04	5.9	0.3	0.025	10	0.25	0.1	AQ201
1349003	2.38	0.013	0.1	0.2	0.06	5.2	0.3	0.06	8	0.25	0.1	AQ201
1349005	1.99	0.017	0.09	0.2	0.05	4.3	0.2	0.025	6	0.25	0.1	AQ201
1349006	2.2	0.016	0.11	0.2	0.04	4	0.3	0.025	9	0.25	0.1	AQ201
1349007	2	0.014	0.09	0.2	0.05	3.9	0.2	0.025	7	0.25	0.1	AQ201
1349008	1.35	0.014	0.07	0.2	0.06	2.7	0.2	0.025	8	0.25	0.1	AQ201
1349009	2.42	0.016	0.1	0.1	0.06	4.4	0.3	0.09	8	0.8	0.1	AQ201
1349010	1.89	0.013	0.08	0.2	0.04	3.6	0.2	0.025	6	0.7	0.1	AQ201
1349742	1.87	0.015	0.06	0.5	0.03	4	0.1	0.025	5	0.25	0.1	AQ201
1349716	1.73	0.02	0.11	0.2	0.02	4	0.3	0.025	6	0.25	0.1	AQ201
1349718	1.88	0.019	0.07	0.2	0.07	3.9	0.2	0.025	8	0.25	0.1	AQ201
1349717	1.84	0.021	0.12	0.2	0.03	4.2	0.2	0.025	6	0.25	0.1	AQ201
1349744	2.15	0.014	0.07	0.3	0.04	4.4	0.2	0.025	6	0.25	0.1	AQ201
1349743	2.16	0.01	0.07	0.4	0.07	3.7	0.2	0.025	7	0.25	0.1	AQ201
1349747	2.1	0.01	0.05	0.2	0.04	3.4	0.2	0.025	9	0.25	0.1	AQ201
1349745	2.37	0.016	0.06	0.2	0.03	4.1	0.2	0.025	7	0.25	0.1	AQ201
1349746	2.19	0.019	0.08	0.2	0.03	5.4	0.1	0.025	6	0.25	0.1	AQ201
1349748	1.27	0.011	0.05	0.2	0.05	2.2	0.1	0.025	7	0.25	0.1	AQ201
1349749	1.92	0.02	0.06	0.3	0.02	3.8	0.1	0.025	5	0.25	0.1	AQ201
1280823	2.78	0.017	0.09	0.3	0.04	5.2	0.2	0.06	7	0.25	0.1	AQ201
1349702	2.82	0.016	0.06	0.2	0.03	3.8	0.3	0.06	8	0.25	0.1	AQ201
1349703	2.16	0.012	0.06	0.2	0.03	3.8	0.2	0.025	7	0.25	0.1	AQ201
1349705	1.45	0.007	0.04	0.4	0.04	2.1	0.2	0.025	8	0.25	0.1	AQ201
1349704	1.96	0.016	0.07	0.3	0.05	4	0.1	0.025	6	0.25	0.1	AQ201
1349706	2	0.008	0.04	0.3	0.11	2.9	0.1	0.025	8	0.25	0.1	AQ201
1349707	1.68	0.006	0.06	0.1	0.07	2.4	0.2	0.025	8	0.25	0.1	AQ201
1349708	2.04	0.008	0.05	0.1	0.06	3.2	0.1	0.025	8	0.25	0.1	AQ201
1349709	1.89	0.011	0.06	0.3	0.05	3.1	0.1	0.025	6	0.25	0.1	AQ201
1349710	1.51	0.014	0.07	0.2	0.03	3.5	0.1	0.025	6	0.25	0.1	AQ201
1349711	2.13	0.017	0.07	0.2	0.03	4.6	0.2	0.025	6	0.25	0.1	AQ201
1349713	1.61	0.017	0.09	0.2	0.01	3.3	0.3	0.025	5	0.25	0.1	AQ201
1349714	2.64	0.012	0.07	0.2	0.04	4.1	0.2	0.025	8	0.25	0.1	AQ201
1349715	1.87	0.016	0.1	0.3	0.02	3.5	0.2	0.025	6	0.25	0.1	AQ201
1349712	2.43	0.012	0.06	0.2	0.04	3.8	0.1	0.025	7	0.25	0.1	AQ201
1349750	1.78	0.015	0.06	0.3	0.04	3.6	0.1	0.025	5	0.25	0.1	AQ201
1349741	1.79	0.016	0.06	0.4	0.04	3.9	0.05	0.025	5	0.25	0.1	AQ201
1349738	1.99	0.01	0.05	0.4	0.07	3.4	0.1	0.025	6	0.25	0.1	AQ201
1349739	2.05	0.013	0.05	0.3	0.07	3.6	0.05	0.025	5	0.25	0.1	AQ201