

Appendix 4: Summary of Age Dating

BC Geological Survey
Assessment Report
33707g

Re-Os age dating of molybdenite for Riverside Resources

September 2012

Three samples were provided and were processed to recover molybdenite for Re-Os age dating, by metal-free crushing then gravity and magnetic concentration methods, to obtain a pure mineral separate. Images of samples used for Re-Os dating are given below in Figure 1.

Methods used for molybdenite analysis are described in detail by Selby & Creaser (2004) and Markey et al. (2007). The ^{187}Re and ^{187}Os concentrations in molybdenite were determined by isotope dilution mass spectrometry using Carius-tube, solvent extraction, anion chromatography and negative thermal ionization mass spectrometry techniques. A mixed double spike containing known amounts of isotopically enriched ^{185}Re , ^{190}Os , and ^{188}Os analysis was used. Isotopic analysis was made using a ThermoScientific Triton mass spectrometer by Faraday collector. Total procedural blanks for Re and Os are less than <3 picograms and 2 picograms, respectively, which are insignificant for the Re and Os concentrations in molybdenite. The Chinese molybdenite powder HLP-5 (Markey et al., 1998), is routinely analyzed as a standard. For this “control sample” over a period of two years, an average Re-Os date of 221.5 ± 0.4 Ma (1SD uncertainty, n=8). This Re-Os age date is identical to that reported by Markey et al. (1998) of 221.0 ± 1.0 Ma.

The results of the Re-Os age determinations are given below in Table 1. The age uncertainty is quoted at 2σ level, and includes all known analytical uncertainty, including a $\sim 0.31\%$ uncertainty in the decay constant of ^{187}Re .

Table 1. Re-Os isotopic and age data

Sample	Re ppm	$\pm 2\sigma$	^{187}Re ppm	$\pm 2\sigma$	^{187}Os ppb	$\pm 2\sigma$	Model Age (Ma)	$\pm 2\sigma$ (Ma)
LL-MO-01	25.68	0.07	16.14	0.04	21.23	0.08	78.9	0.4
LL-MO-01 RPT	37.63	0.10	23.65	0.06	31.03	0.13	78.7	0.5
LL-MO-02	20.09	0.05	12.63	0.03	14.84	0.12	70.5	0.6
LL-MO-03	82.45	0.21	51.82	0.13	73.94	0.09	85.6	0.4

ppb = parts per billion, ppm = parts per million. All uncertainties are quoted at the 2 sigma level of precision.

For sample LL-MO-01, a repeat analysis of the same molybdenite mineral separate was undertaken a few weeks after the initial analysis, as a general check on analytical protocols and reproducibility. The replicate age results agree within analytical uncertainty. For samples LL-MO-02 and LL-MO-03, the amount of molybdenite recovered from the provided samples was small and the analyses reported above come from sample aliquots of < 5 milligrams, which can introduce some uncertainties beyond the analytical uncertainty due to small sample size effects (see Selby and Creaser, 2004). As such, these ages should be treated more cautiously than that of LL-MO-01, from which replicated analyses originated from large sample aliquots (>10 mg).

References.

RJ Markey, HJ Stein and JW Morgan "Highly precise Re-Os dating for molybdenite using alkaline fusion and NTIMS". *Talanta* (1998) **45**, 935–946.

RJ Markey, HJ Stein, JL Hannah, D Selby and RA Creaser "Standardizing Re-Os geochronology: A new molybdenite Reference Material (Henderson, USA) and the stoichiometry of Os salts". *Chemical Geology* (2007), **244**, 74-87.

D Selby and RA Creaser "Macroscale NTIMS and microscale LA-MC-ICP-MS Re-Os isotopic analysis of molybdenite: Testing spatial restrictions for reliable Re-Os age determinations, and implications for the decoupling of Re and Os within molybdenite". *Geochimica et Cosmochimica Acta* (2004), **68**, 3897-3908.

Figure 1. Images of samples analyzed



APPENDIX 5:Aeroquest Summary Report

Report on a Helicopter-Borne Magnetic Survey

Aeroquest Job # 12-020

For

Riverside Resources Inc.

Suite 1110 – 1111 West Georgia Street

VANCOUVER, BRITISH COLUMBIA

V6E 4M3

by



245 Industrial Parkway North
Aurora, ON L4G 4C4

Report date: June 2012

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LIST OF MAPS (1:50,000)

- f* TMI – Coloured Total Magnetic Intensity (TMI) with contours.
- f* 1VD – Calculated First Vertical Derivative of TMI colour grid with contours.

1. INTRODUCTION

This report describes a helicopter-borne geophysical survey carried out on behalf of Riverside Resources Inc. on their property in British Columbia, Canada. The principal geophysical sensor was a helicopter stinger mounted cesium vapor magnetometer. Ancillary equipment included a GPS navigation system, radar altimeter, digital video acquisition system, and a base station magnetometer.

The total survey coverage is 4483 km, of which 4444 line-km fell within the defined project areas (Appendix 1), flown specific line direction for each block. Survey flying described in this report took place on April 8th to April 17th, 2012. This report describes the survey logistics, the data processing, presentation, and provides the specifications of the survey.

2. SURVEY AREA

The project contains one block named as Flute and Lennac Projects located approximately 12 km north of Topley, BC (Figure 1). The detail description of each block with line direction has been described in the table 1.

The survey blocks corner-coordinates are tabulated in Appendix 1. The base of survey operations was Topley, BC.



Figure 1 – Survey block overview



Figure 2 - Survey Flight Path over Google Image

3. SURVEY SPECIFICATIONS AND PROCEDURES

The survey specifications are summarised in the following table:

Block name	Line Spacing (metres)	Line Direction	Tie Line Spacing (metres)	Line Direction	Survey Coverage (line-km)	Dates flown
Flute & Lennac	200	45°/225°	2000	135°/315°	4483	Apr 8 th to 17 th , 2012

Table 1 - Survey specifications summary

The survey coverage was calculated by adding up the survey and control (tie) line lengths as presented in the final Geosoft database.

The nominal helicopter stinger terrain clearance was 50 m but was periodically higher or lower over due to the rugged terrain and the capability of the aircraft. The scan rate of the helicopter stinger data acquisition was 0.10 seconds.

4. AIRCRAFT AND EQUIPMENT

This section provides a brief description of the geophysical and auxiliary instruments used to acquire the survey data:

4.1. AIRCRAFT

An A-star 350B 3 helicopter – registration C -FNWE was used as survey platform. The helicopter was owned and operated by Mustang Helicopters Inc. The helicopter flew at an average airspeed of 70 knots per hour.



Figure 3. Helicopter type used during survey

4.2. MAGNETOMETER

The following magnetometer was installed inside the stinger:

Model: Geometrics G823A

Type: Airborne cesium-vapor magnetometer

Sensitivity: 0.01 nT

Sample rate: 10Hz

Magnetic Compensator:

The compensator employed was a RMS Data Acquisition & Adaptive Aeromagnetic Real- Time Compensator (DAARC500). Compensation is achieved by combining the frequency measurement from any continuous reading sensor (Cs, K, He) with the measurements of analog outputs of a tri-axial fluxgate magnetometer. A proprietary algorithm combines these measurements and eliminates most of the influence caused by airframe movement through the magnetic field – pitch, roll yaw and aircraft heading.

4.3. MAGNETIC BASE STATION

Model: Geometrics G823A
Type: Portable Cesium magnetometer
Sensitivity: 0.01nT
Sample rate: 1Hz

A digital recorder is operated in conjunction with the base station magnetometer to record the diurnal variations of the earth's magnetic field. The clock of the base station is synchronized with that of the airborne system using GPS data to permit subsequent removal of diurnal drift.

4.4. ALTIMETERS

Radar altimeter

Manufacturer: Terra
Type: TRA 3000 Radar Altimeter and TRI 40 Indicator
Sensitivity: 5% @200ft

Barometric Altimeter

Manufacturer: Honeywell
Type: PPT
High Accuracy: Achieves +/-0.05 Full-Scale, Including Temperature Effects over -40 to +85°C

4.5. VIDEO TRACKING AND RECORDING SYSTEM

A wide angle Sanyo video camera was connected to Archos video recorder to provide the image. Using a video overlay board (Overland Technology Inc.) the GPS time is recorded continuously and is displayed on the margin of each image. This procedure ensures accurate correlation of digital data with respect to visible features on the ground.



Figure 4.: Digital video camera typical mounting location

4.6. GPS NAVIGATION SYSTEM

Navigation is carried out using a GPS receiver, an AGNAVGUIA system for navigation control, and AeroDAS data acquisition system which records the GPS coordinates. The x-y-z position of the aircraft, as reported by the GPS, is recorded at 0.2 second intervals. The system has a published accuracy of less than 3 metres. A recent static ground test of the Mid-Tech WAAS GPS yielded a standard deviation in x and y of less than 0.6 metres and for z less than 1.5 metres over a two hour period.

5. PERSONNEL

The following Aeroquest personnel were involved in the project:

- f* Senior Project Manager: Troy Will
- f* Field Data Processor: Josh Poirier
- f* Field Operator: Leonard Luke
- f* Office Data Processor: Marta Orta
- f* Map Preparation and Reporting: Wendy Acorn

The survey pilot, Alex Potter-Cogan was employed directly by the helicopter operator – Mustang Helicopters Inc.

6. DELIVERABLES

6.1. HARDCOPY DELIVERABLES

The report includes a set of 1:50,000 scale maps. The survey area is covered by one map plate and two geophysical data products are delivered as listed below:

- f* TMI – Coloured Total Magnetic Intensity (TMI) with contours.
- f* 1VG – Calculated First Vertical Derivative of TMI colour grid with contours.

The coordinate/projection system for the maps is WGS84 – UTM Zone 09 N. For reference, the latitude and longitude in WGS84 are noted on the maps.

6.2. DIGITAL DELIVERABLES

6.2.1. Final Database of Survey Data (.GDB)

The geophysical profile data is archived digitally in Geosoft GDB binary database format. A description of the contents of the individual channels in the database can be found in Appendix 2.

6.2.2. Geosoft Grid files (.GRD)

- DTM.grd
- TMI.grd
- VertGrad.grd

6.2.3. Digital Versions of Final Maps (.MAP, .PDF)

- 1VD_50K.map
- TMI_50K.map

6.2.4. Free Viewing Software

- f* Geosoft Oasis Montaj Viewing Software
- f* Adobe Acrobat Reader

6.2.5. Digital Copy of this Document (.PDF)

7. DATA PROCESSING AND PRESENTATION

7.1. BASE MAP

The geophysical maps accompanying this report are based on positioning in the WGS84 datum. The survey geodetic GPS positions have been projected using the Universal Transverse Mercator projection in Zone 09 North. A summary of the map datum and projection specifications is given following:

- f* Ellipse major axis: 6378137
- f* Inverse Flattening: 298.25722
- f* Datum: WGS84
- f* Map Projection: Universal Transverse Mercator Zone 09 North
- f* Central Scale Factor: 0.9996
- f* False Easting, Northing: 500,000m, 0m

For reference, the latitude and longitude in WGS84 are noted on the maps.

7.2. MAGNETIC COMPENSATION TEST

Test lines were flown to check the real time magnetic compensation, in four cardinal directions corresponding to the survey line direction. The compensation test was carried out near Dease Lake, BC and flown approximately 10,000 ft AGL to ensure the sensor was completely removed of ground effect.

7.3. TOTAL FIELD MAGNETICS

The total field aeromagnetic data are corrected for the diurnal variation, by subtracting the base station magnetic data (low pass filtered to remove spikes due to cultural interference). Then the line data was corrected for any remaining small levelling errors. The geophysical data are interpolated onto a regular grid using bi-directional interpolation technique. The gridded data was micro-levelled to remove small amplitude, in between flight line, levelling errors. The resulting grid is suitable for generating contour maps of excellent quality.

8. CONCLUSIONS AND RECOMMENDATIONS

An AeroMAG Stinger geophysical survey has been completed over the Flute and Lennac properties, located in British Columbia, Canada.

The total area coverage is 813 km². Total survey line coverage is 4,444 line kilometres. The principal sensor included an optical-pumped cesium vapour magnetometer. Results have been presented as contour colour images at a scale of 1:50,000. A formal Interpretation has not been included or requested.

Based on the geophysical results obtained, a magnetic trend is observed mostly in north-northwest to south-southeast direction. Relevant information is detected in the magnetic gradients, highlighting the lithology and several structures which appear to be the focus of known mineralization in the district.

It is recommended more study of the identified magnetic domains using 3D inversions. Prior to ground follow up and drill testing, it is also recommended the application of other geophysical techniques (such as AFMAG) with proved success in detecting copper – porphyry mineralization.

APPENDIX 1: SURVEY BOUNDARIES

The following table presents the project block boundaries. All geophysical data presented in this report have been windowed to 100m outside these outlines.

X and Y positions are in WGS84 UTM Zone 09N.

X	Y C
651691.1	6085808
652515.7	6086322
655306.7	6089208
656127.5	6088787
658076.6	6088855
659645.6	6089839
664878.3	6090028
666866.1	6090102
668450.1	6090625
668872.4	6090641
674513.3	6089929
675337.3	6089962
677464.9	6088605
677627	6084481
679585.3	6084549
680453.6	6084087
680660.9	6078932
680678.6	6078499
682352.2	6076282
685655.6	6073651
688112.6	6072823
691069.1	6069691
691894.1	6069262
692334.2	6068796

continued

APPENDIX 2: DESCRIPTION OF DATABASE FIELDS

The GDB file is a Geosoft binary database. In the database, the Survey lines and Tie Lines are prefixed with an "L" for "Line" and "T" for "Tie".

Magnetic databases:

Column	Units	Description
X	m	UTM Easting (WGS84, Zone 09N)
Y	m	UTM Northing (WGS84, Zone 09N)
Ralt m		Radar Altitude
Galt	m a.s.l.	GPS Elevation
DTM	m a.s.l.	Digital Terrain Model using radar altimeter data
Lalt m		Laser Altitude
Long_wgs84		Longitude WGS84 (decimals degree)
Lat_wgs84		Latitude WGS84 (decimals degree)
UTCTime HH	:MM:SS.ss	UTC Time
BASEMAG n	T	Basemag value
Mag_raw nT		Raw uncompensated mag
Mag_cmp nT		Compensated mag
Mag	nT	Diurnal Corrected compensated Magnetic data
TMI nT		Levelled Magnetic data
Fid		Fiducial
Flight		Survey flight number
Line		Line number
Vx	pT	Magnetic vector x component
Vy	pT	Magnetic vector y component
Vz	pT	Magnetic vector z component



Mira Geoscience
...modelling the earth

Flute/Lennac magnetic data and magnetic inversion results

Advanced Geophysical Interpretation Centre

6 July 2012

Outline

- Introduction
- Data
- Processing
- Magnetic inversion parameters
- Magnetic inversion results
- Structural trends from magnetic data and inversion results
- Euler deconvolution – edge detection
- Comparison to mapped geology
- Conclusions and recommendations

Introduction

- The Advanced Geophysical Inversion Centre (AGIC) at Mira Geoscience has completed unconstrained inversion modelling of airborne magnetic data collected over the Flute and Lennac properties in West-Central BC. The data were collected by Aeroquest and provided to Mira Geoscience by Riverside Resources
- The main objective of this work is to help define the depth and geometry of magnetically susceptible features for the purpose of delineating geology under quaternary cover, and identifying potential porphyry deposit settings
- The UBC-GIF MAG3D suite of algorithms were used for the inversion.
- This is a brief presentation which describes the steps of processing and discusses features of interest noted within the resulting 3D magnetic susceptibility model.

Data

- Airborne data:

- The area of interest is approximately 37 km by 43 km with lines surveyed between April 11th and April 17th 2011.
- Lines direction: NE-SW.
- Lines spacing: 200 m and 2 km.
- Data separation: approximately 5 m.
- Ground magnetic data, diurnally corrected.

Processing

- The same coordinate system in which the data were provided (GRS-80 UTM Zone 9N) has been used for processing.
- The data were rotated 45° counter-clockwise to reduce the model size
- The data were diurnally corrected, analysed for quality control.
- The sensor height was set to the GPS elevation (galt).
- The inducing magnetic field was downloaded from the *National Oceanic and Atmospheric Administration* (NOAA) website and described in Table 1.
- The data were down sampled to 40m along the survey lines.
- A standard deviation of 2% of the magnitude with a 40 nT floor was assigned to the data for inversion modelling purposes.
- Tie lines were removed from the data

Processing

Latitude	54°41' 37" N
Longitude	126°40' 3" E
Mean Elevation	1000 m
Survey Date	April 11 th to April 17 th 2011
Magnetic Field Inclination	73.65°
Magnetic Field Declination	19.55°
Magnetic Field Magnitude	56,441 nT

Table 1: Inducing Magnetic Field Parameters

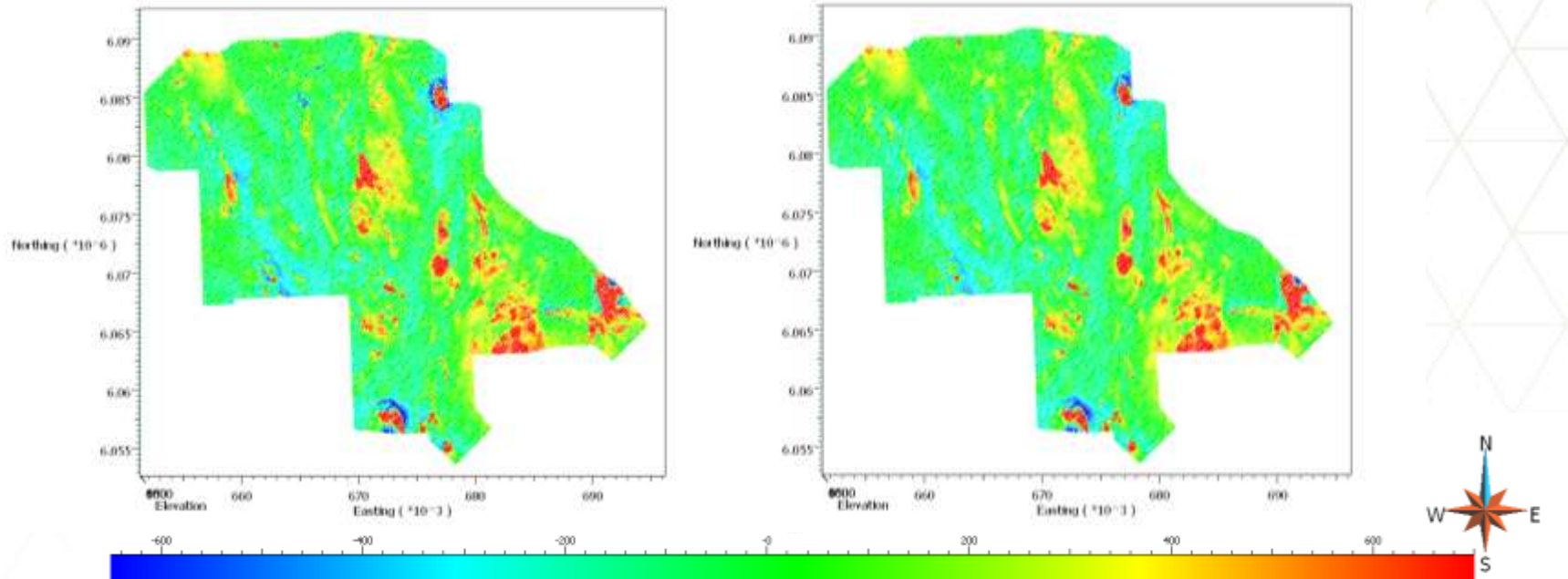
Magnetic inversion parameters

- The MAG3D algorithm was used for the unconstrained inversion. The parameters are defined in the Table 2.

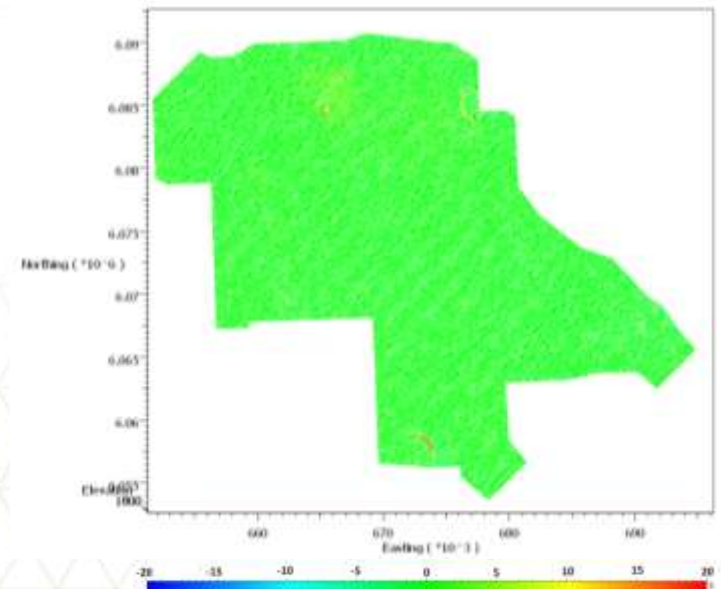
Convergence Criteria	Target Chi Factor = 1 ± 0.02
3D Mesh	Core 50 m x 50 m horizontal cells with variable depth thicknesses comprised of near surface 50 m cells, then slowly expanding with depth.
Number of Cells in Mesh	24,216,192
Length Scales	200, 200, 200 (Le, Ln, Lz)
Number of Data Inverted	115937
Achieved Misfit	8.379713E+04 (Chi factor 0.72)

Table 2: Inversion Modelling Parameters

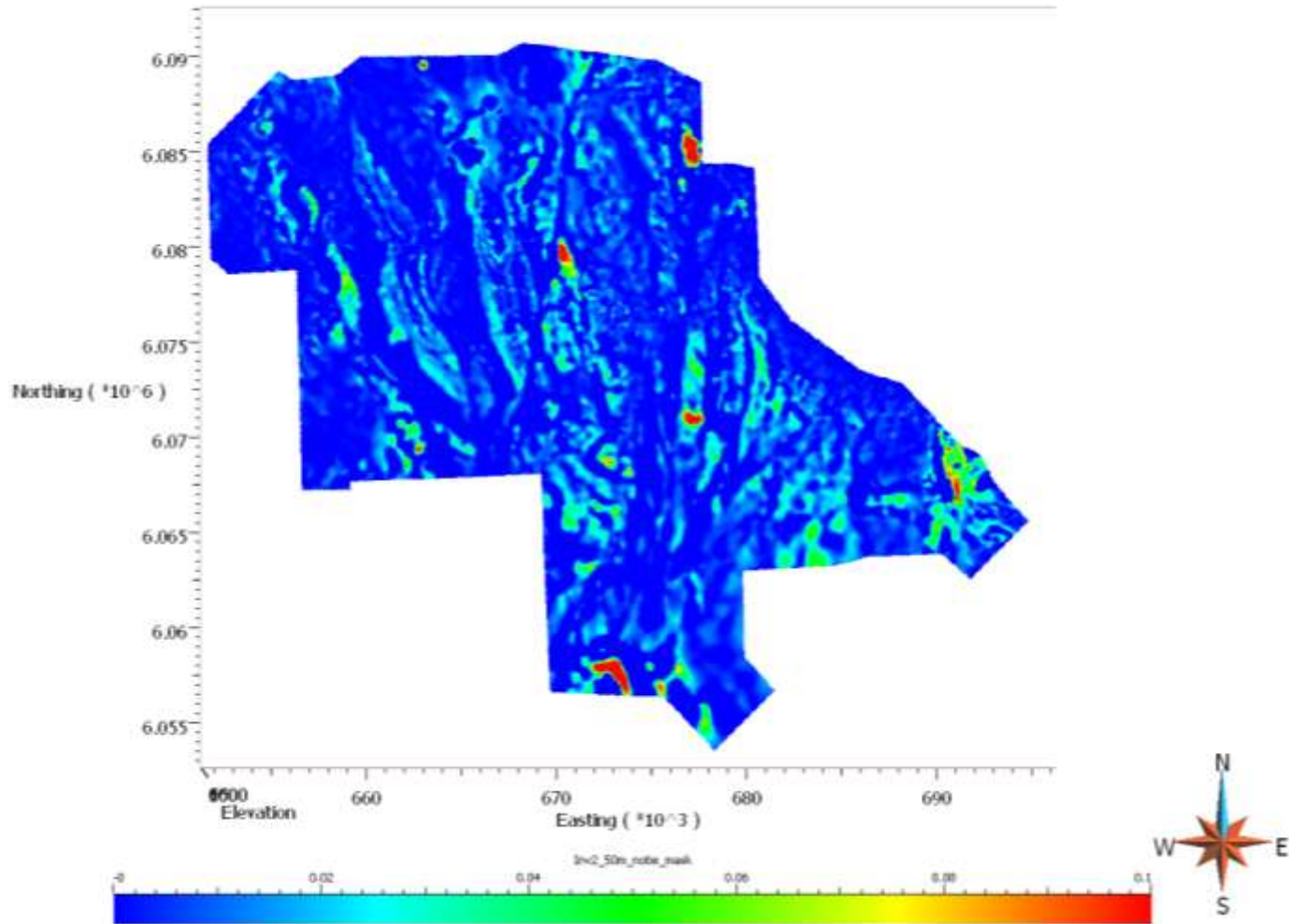
Results – observed and predicted data



Observed (left) and predicted (right) magnetic data and the difference normalized by the standard deviation (bottom right) in nT with the survey lines.



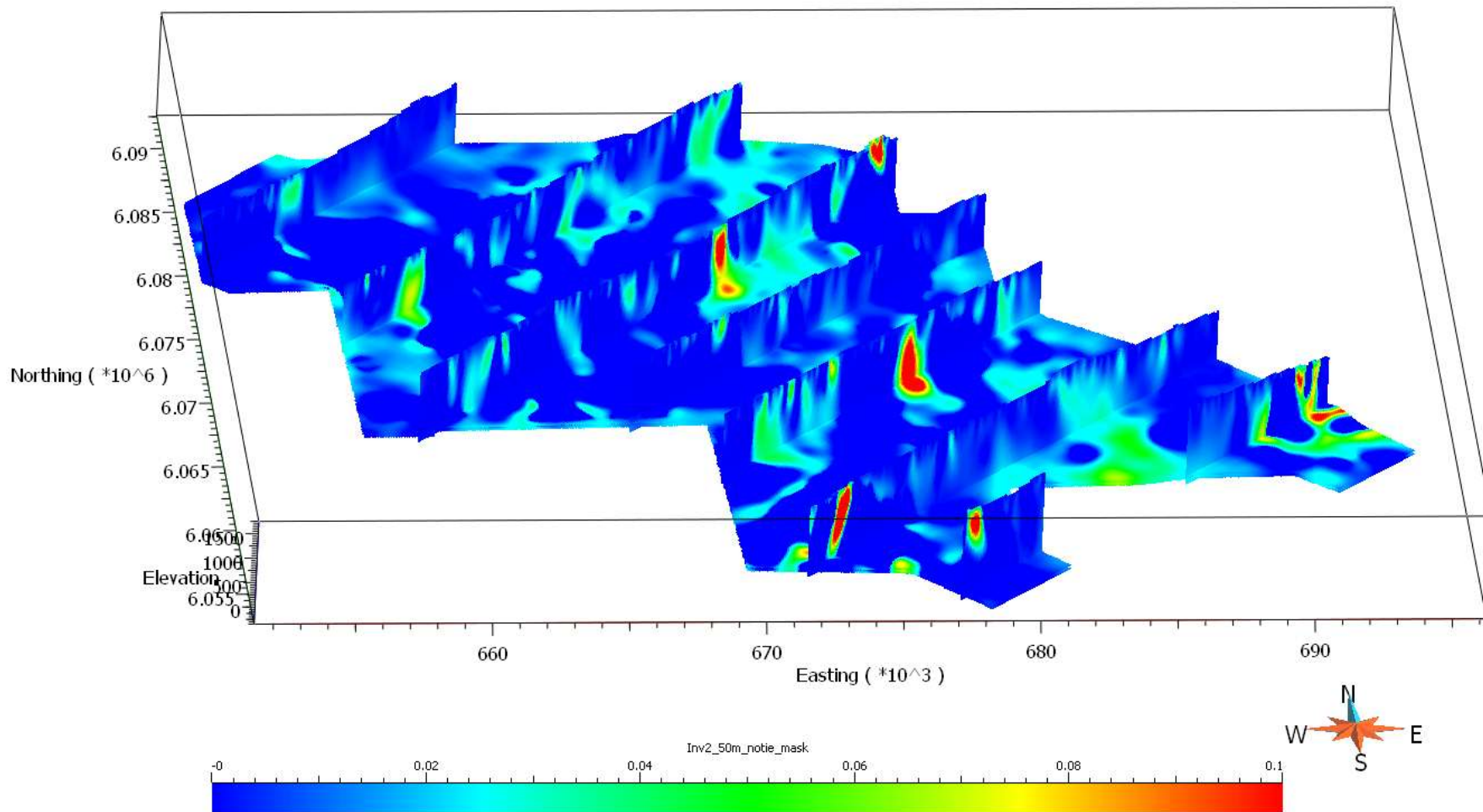
Results – magnetic susceptibility section



Magnetic susceptibility plan section at an elevation of 575 m

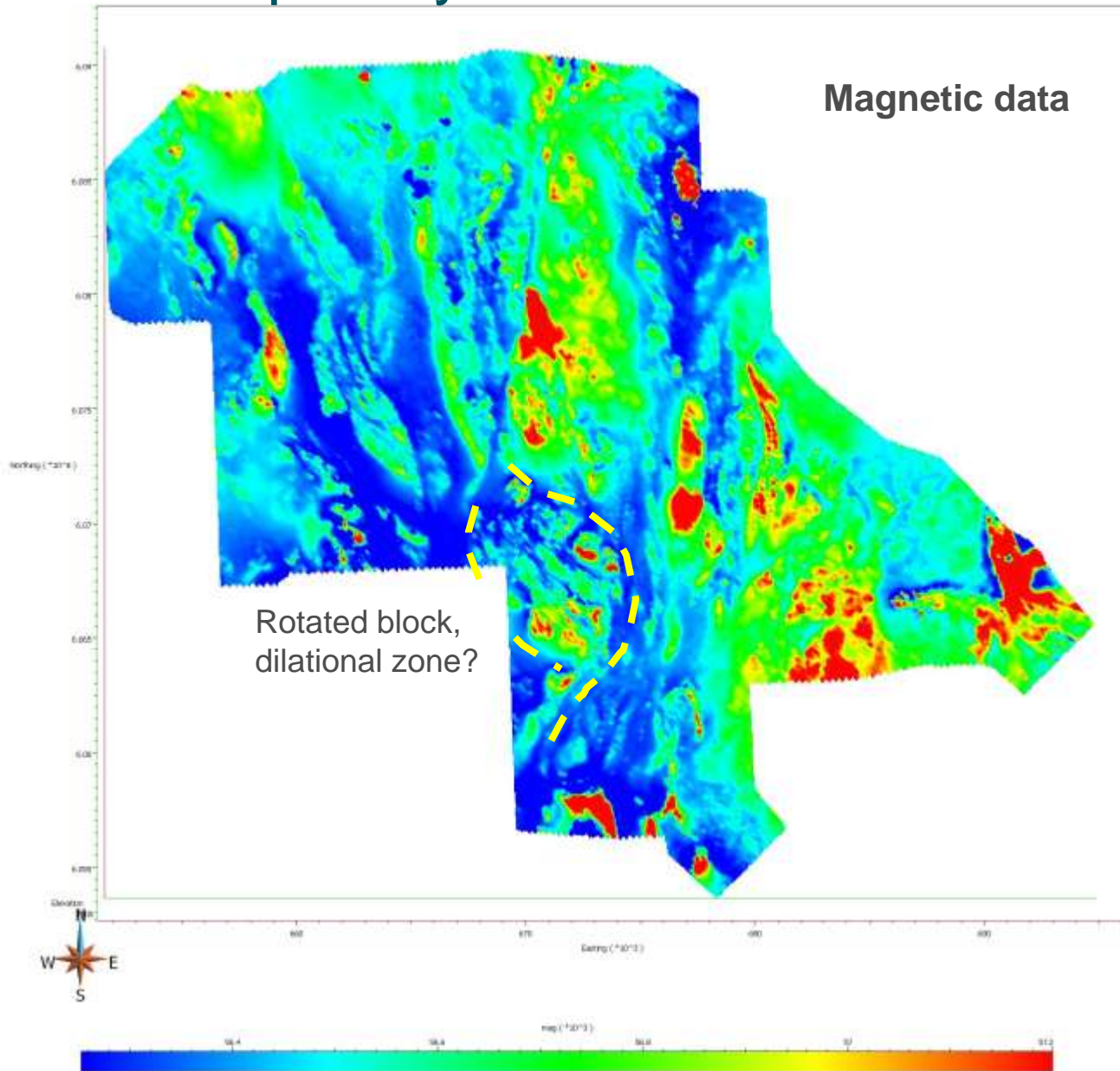


Results – Magnetic susceptibility sections

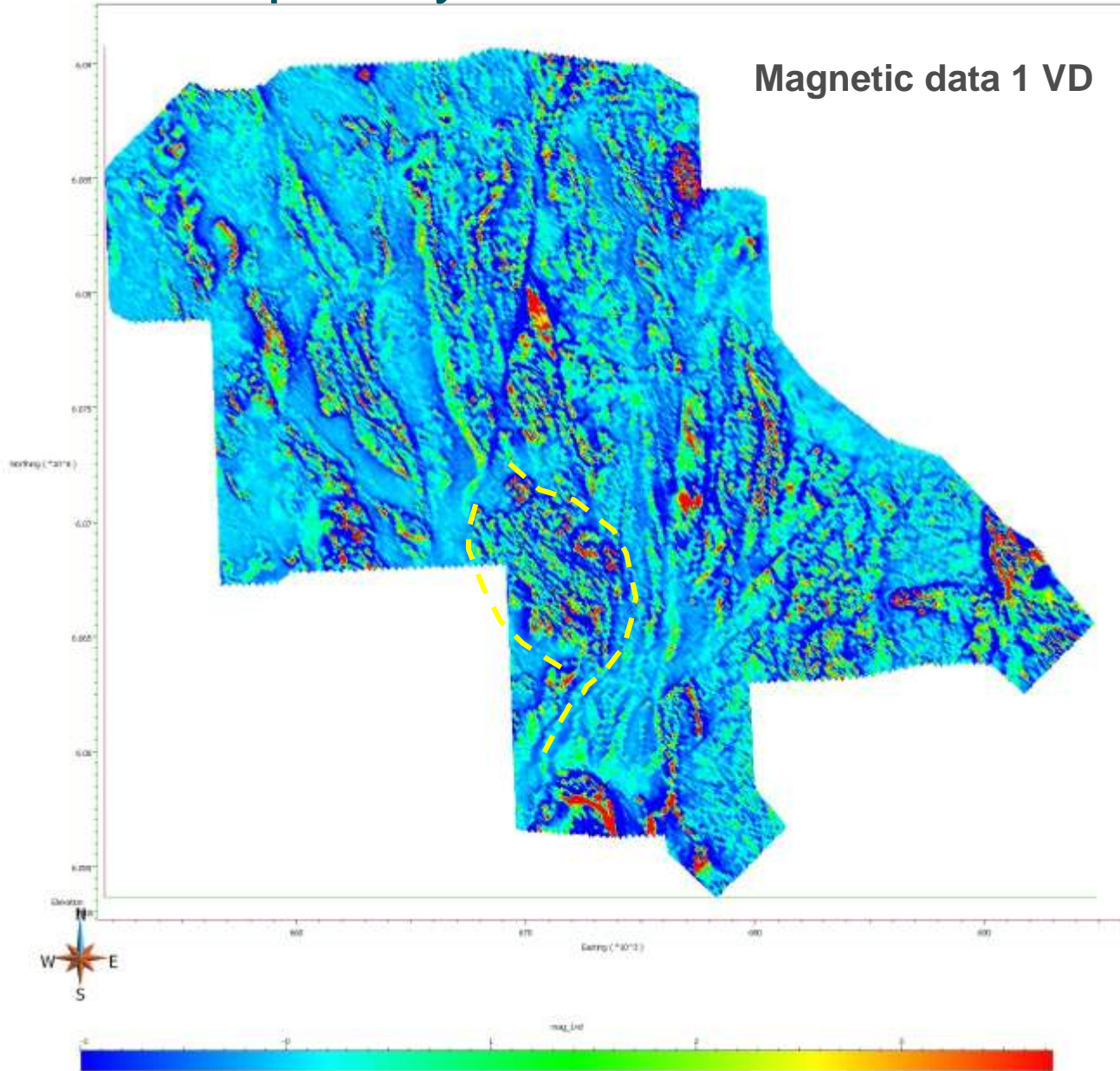


Magnetic susceptibility vertical section NE-SW

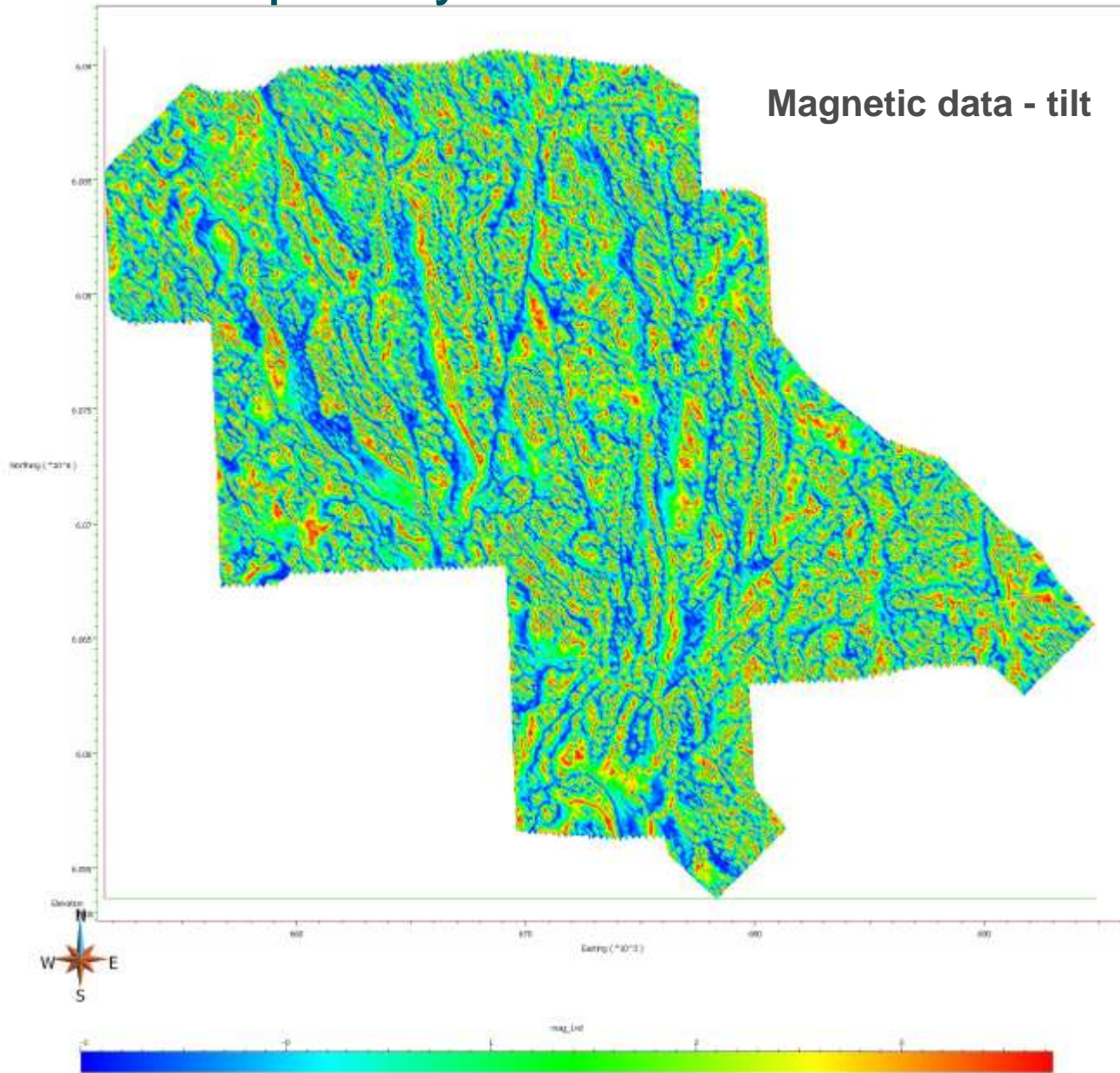
Structural interpretations from magnetic data and magnetic susceptibility model



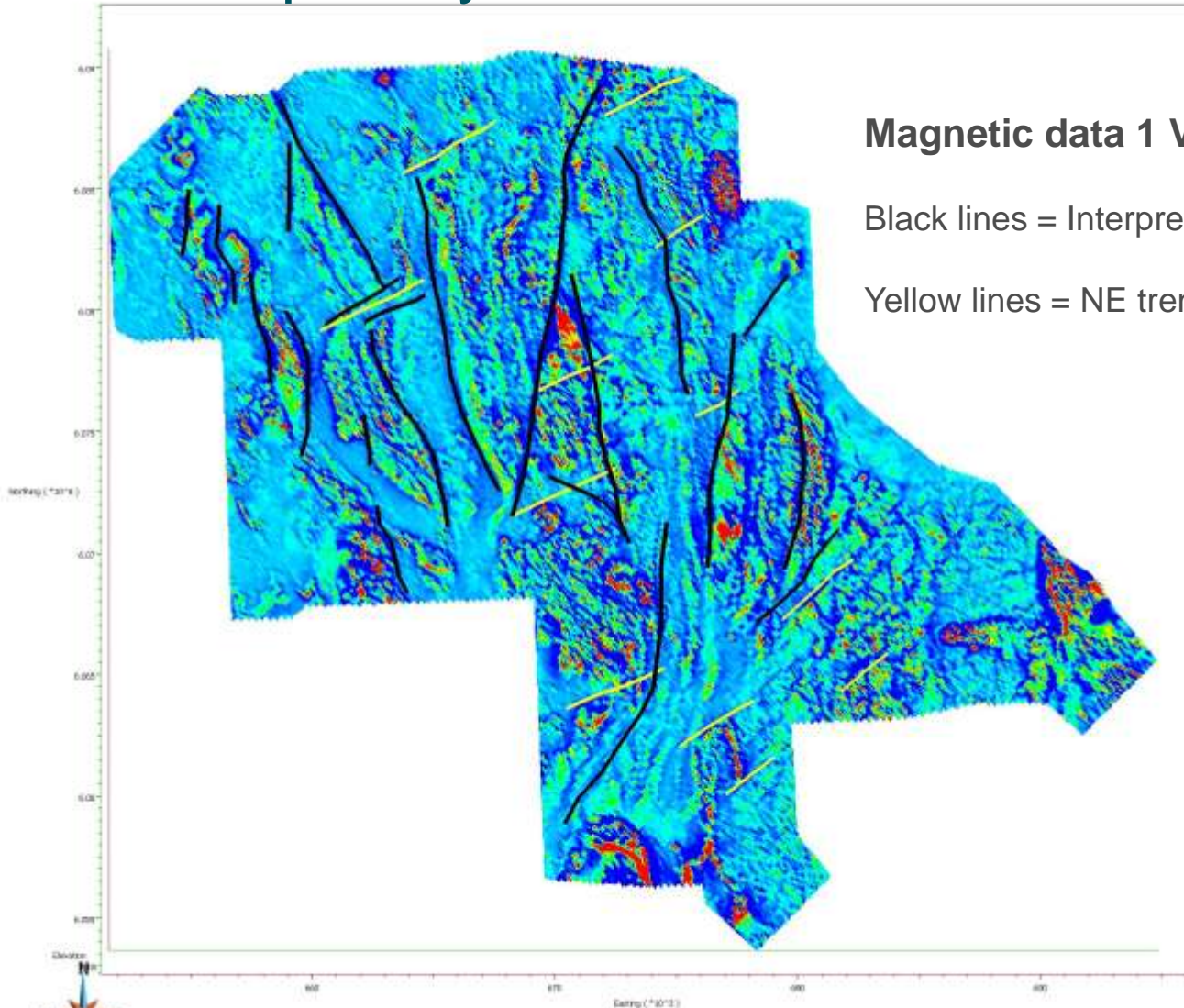
Structural interpretations from magnetic data and magnetic susceptibility model



Structural interpretations from magnetic data and magnetic susceptibility model



Structural interpretations from magnetic data and magnetic susceptibility model



Magnetic data 1 VD

Black lines = Interpreted faults

Yellow lines = NE trending offsets

Structural interpretations from magnetic data and magnetic susceptibility model

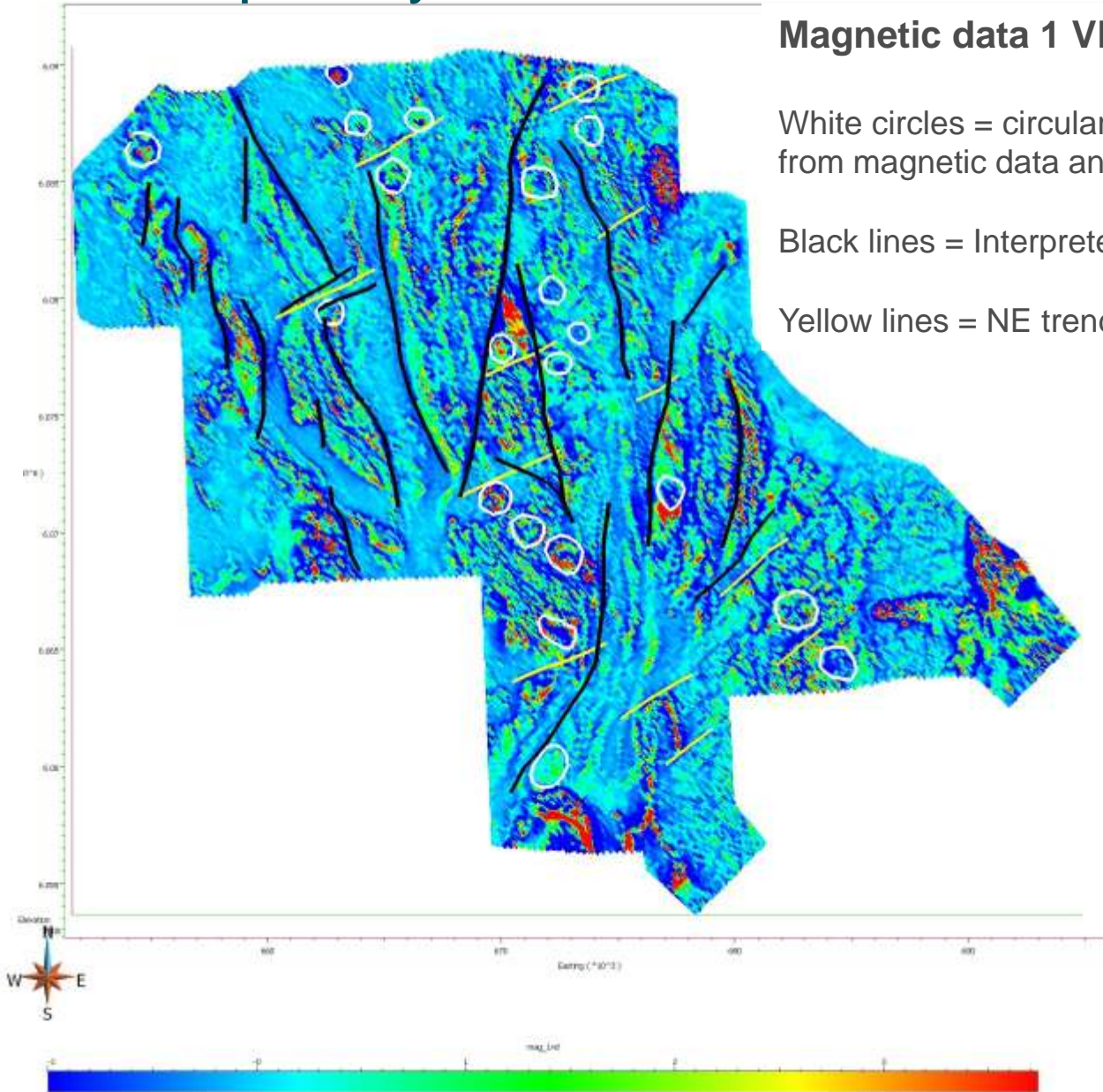
Circular features in magnetics data and inversion results – possible intrusives

Magnetic data 1 VD

White circles = circular mag features from magnetic data and inversion

Black lines = Interpreted faults

Yellow lines = NE trending offsets



Structural interpretations from magnetic data and magnetic susceptibility model

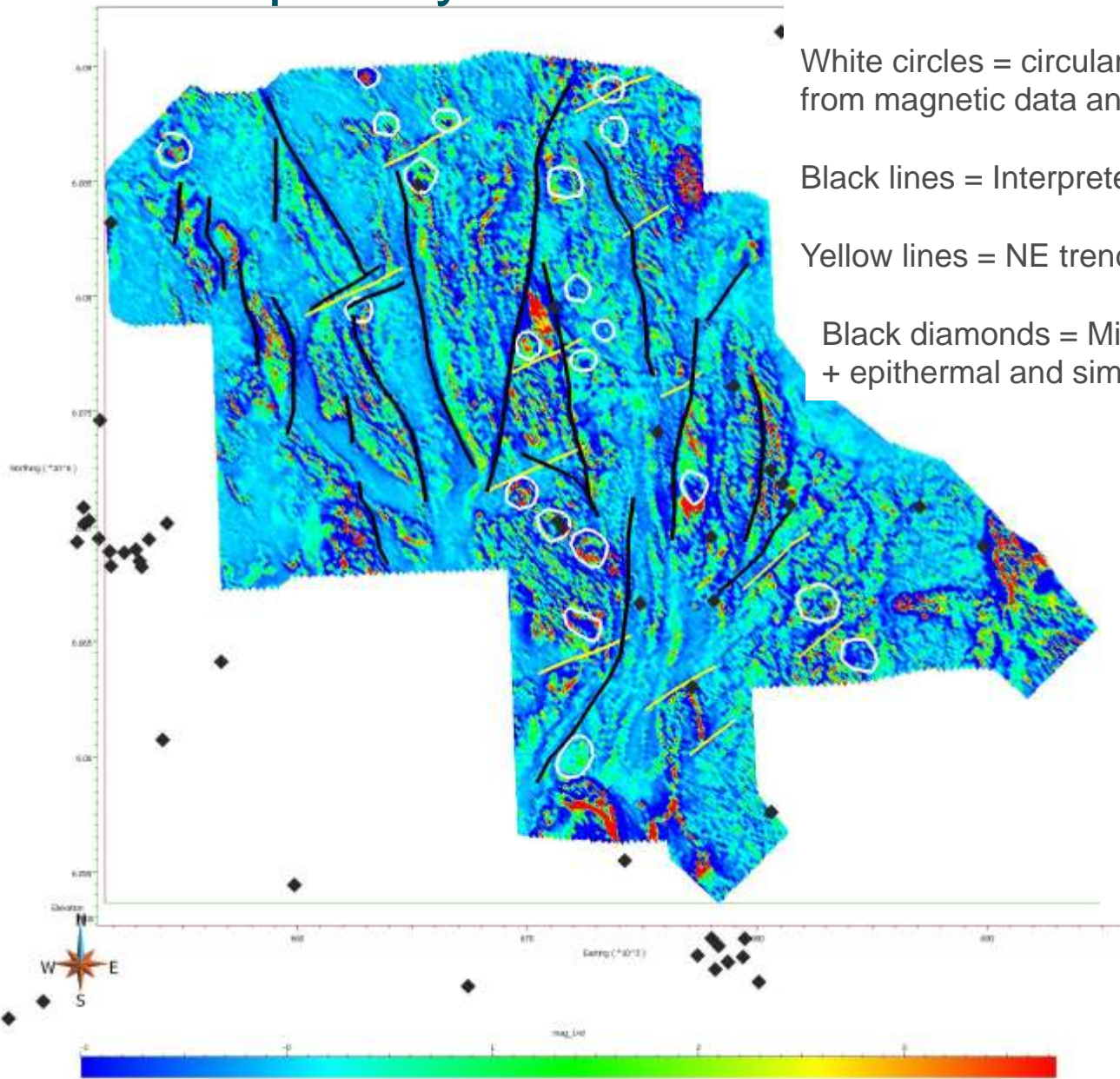
Magnetic data 1 VD

White circles = circular mag features from magnetic data and inversion

Black lines = Interpreted faults

Yellow lines = NE trending offsets

Black diamonds = Minfile (porphyries + epithermal and similar)



Structural interpretations from magnetic data and magnetic susceptibility model

Magnetic data 1 VD

Red circles = circular mag features from magnetic data and inversion

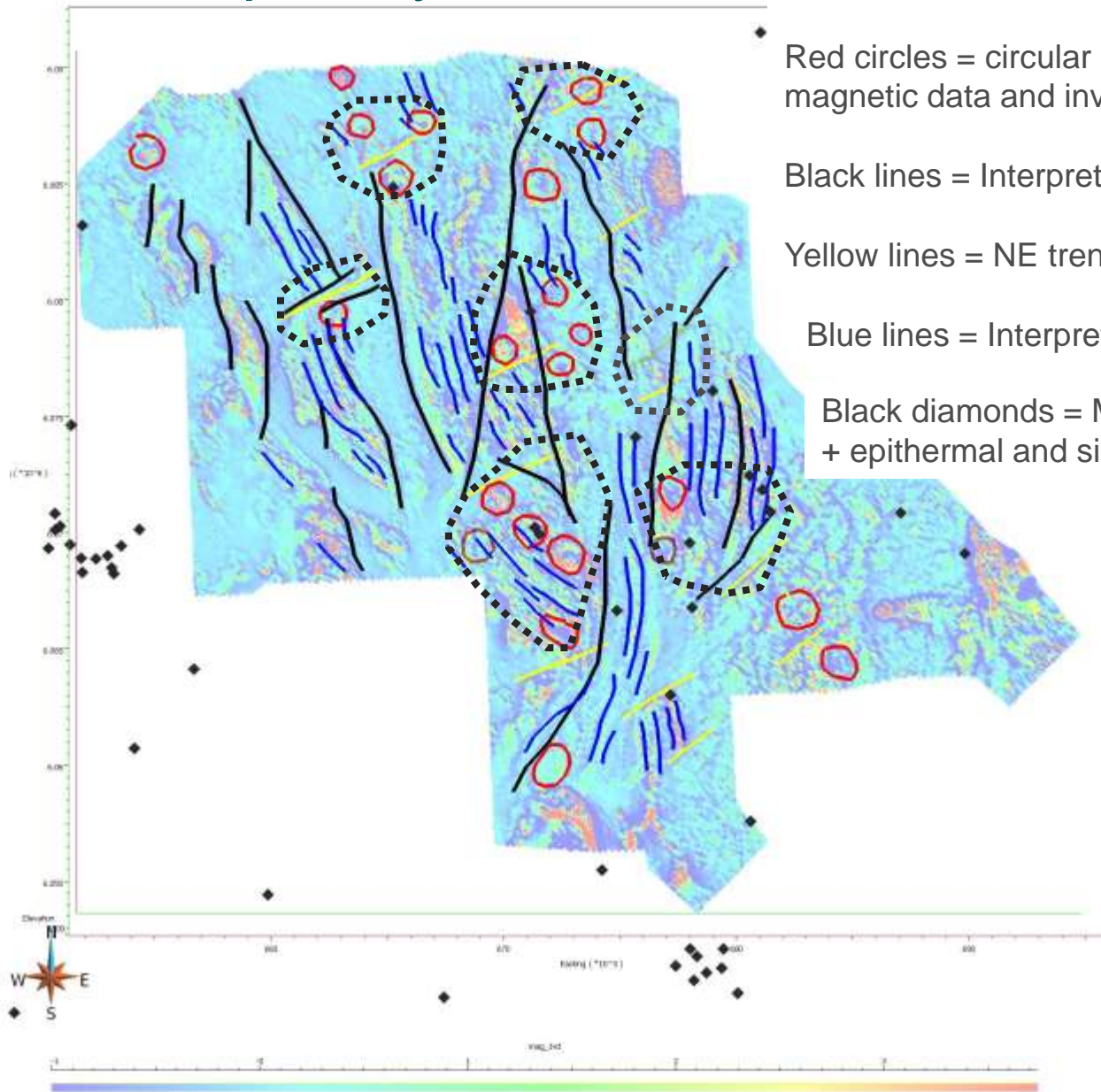
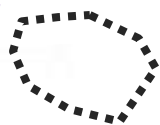
Black lines = Interpreted faults

Yellow lines = NE trending offsets

Blue lines = Interpreted stratigraphy

Black diamonds = Minfile (porphyries + epithermal and similar)

Structurally complex area – potential for dilation, fluid flow



Structural interpretations from magnetic data and magnetic susceptibility model

Inversion slice 512.5 m elevation

Red circles = circular mag features from magnetic data and inversion

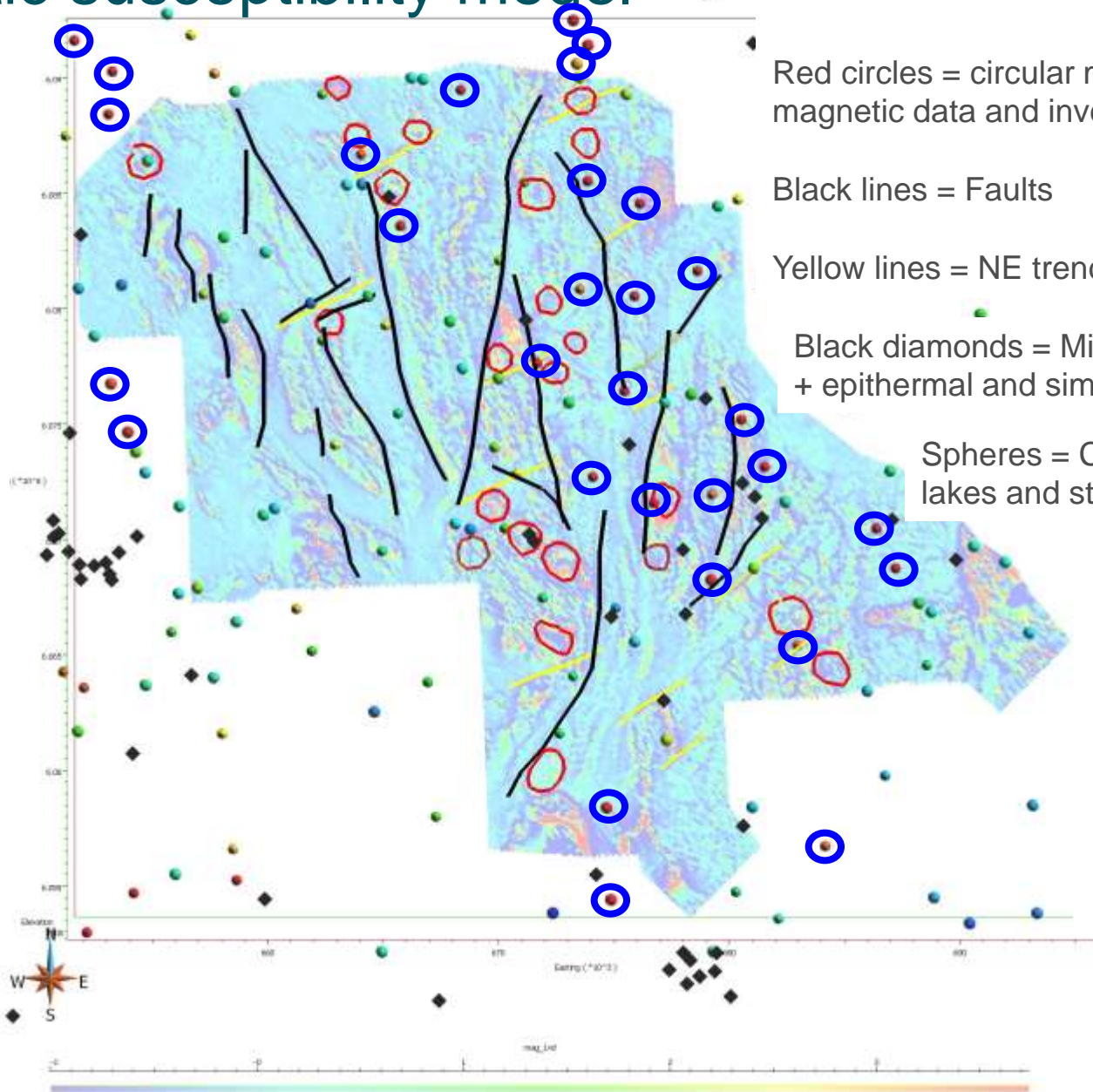
Black lines = Faults

Yellow lines = NE trending offsets

Black diamonds = Minfile (porphyries + epithermal and similar)

Spheres = Cu ppm from RGS lakes and streams

Higher Cu values in eastern half of surveyed area (but fewer samples collected in western half)



Structural interpretations from magnetic data and magnetic susceptibility model

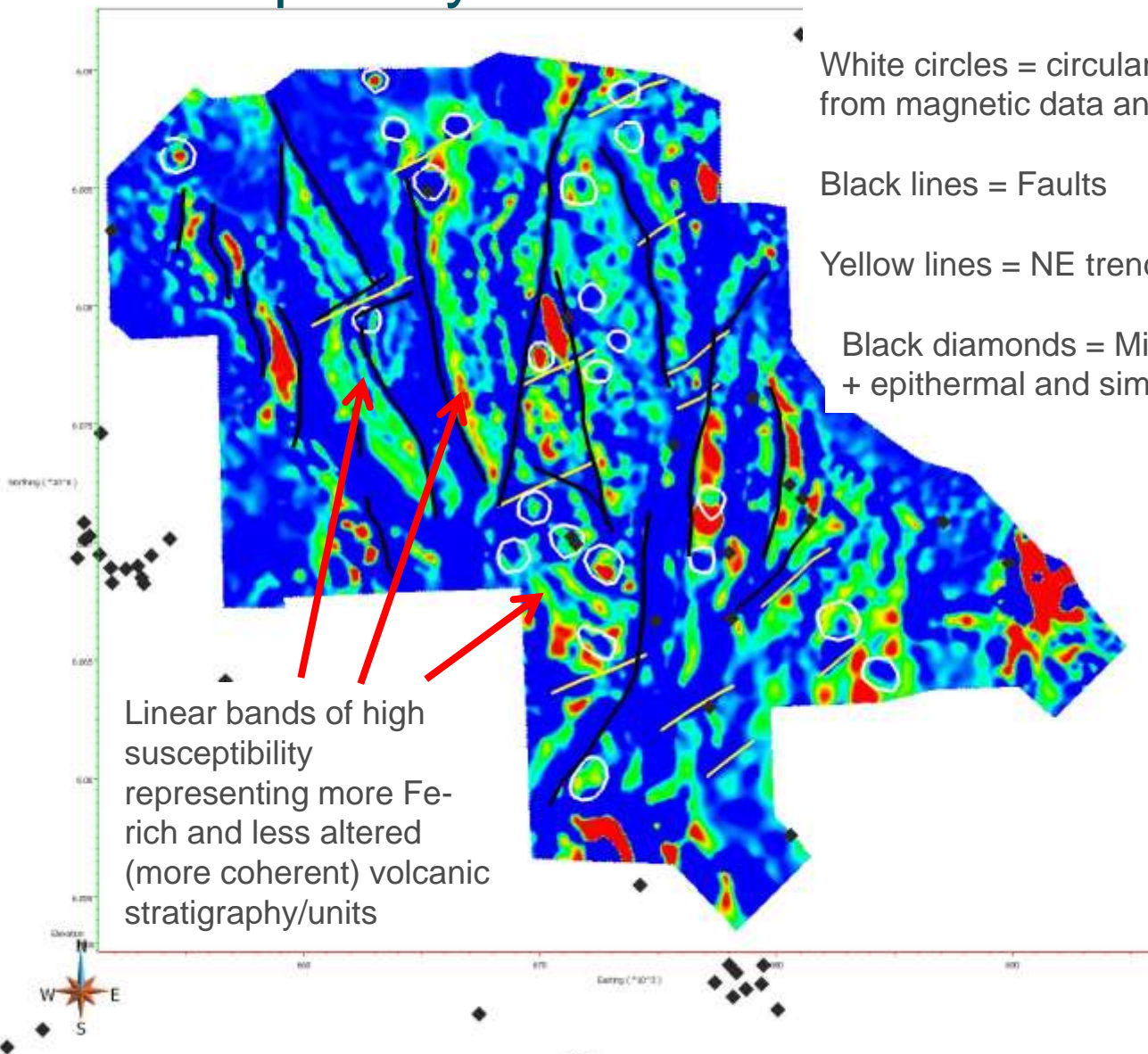
Inversion slice 512.5 m elevation

White circles = circular mag features from magnetic data and inversion

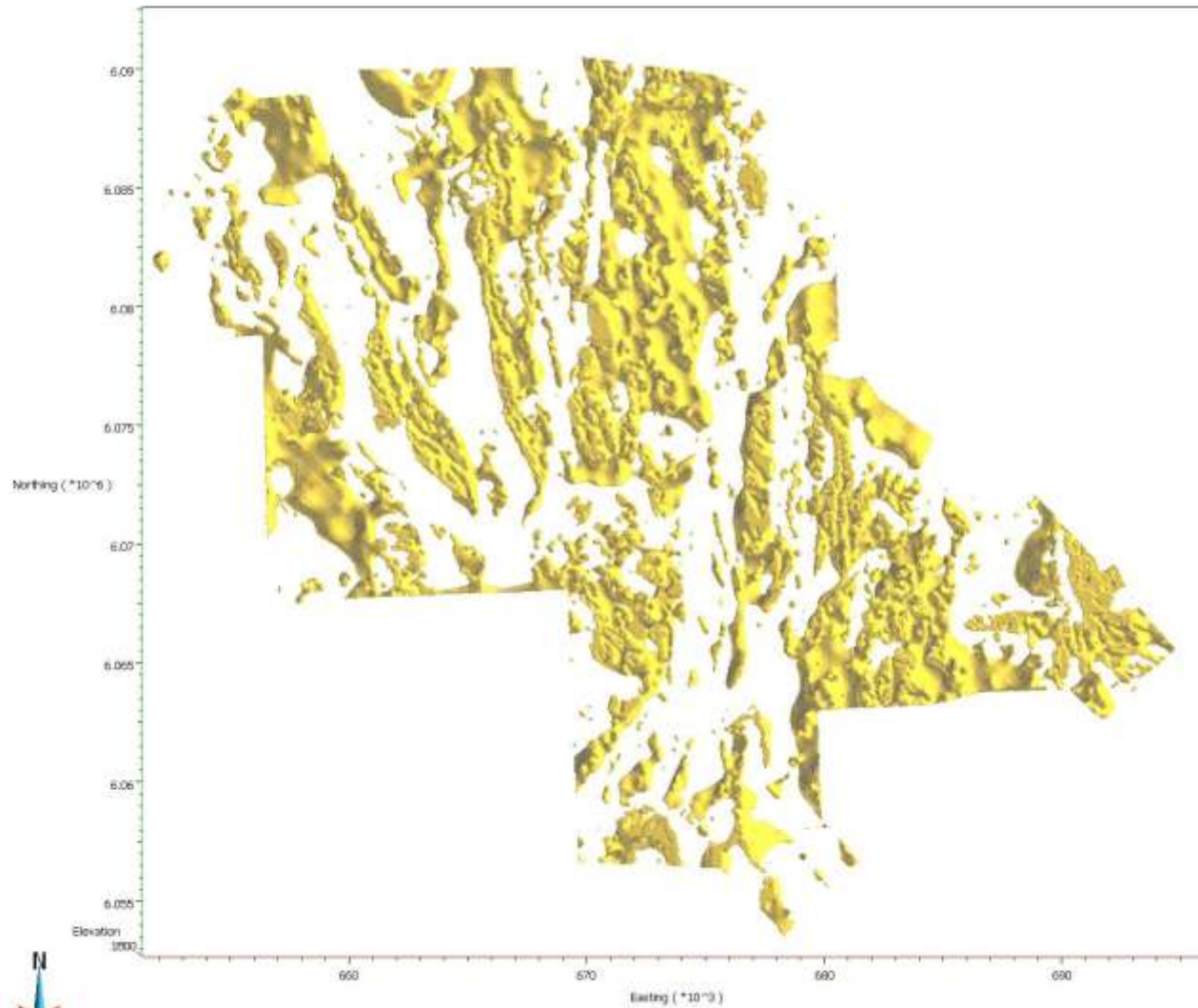
Black lines = Faults

Yellow lines = NE trending offsets

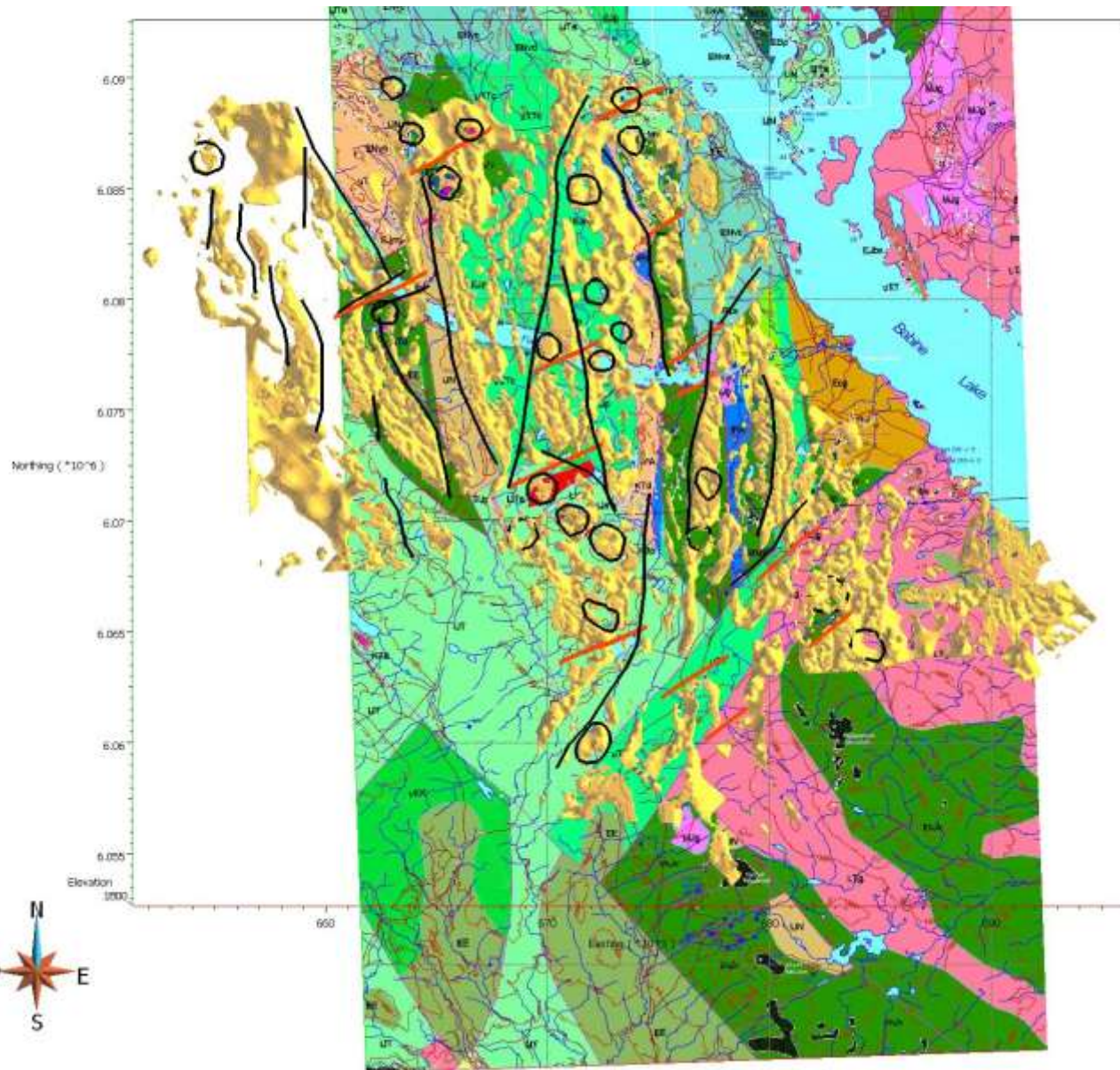
Black diamonds = Minfile (porphyries + epithermal and similar)



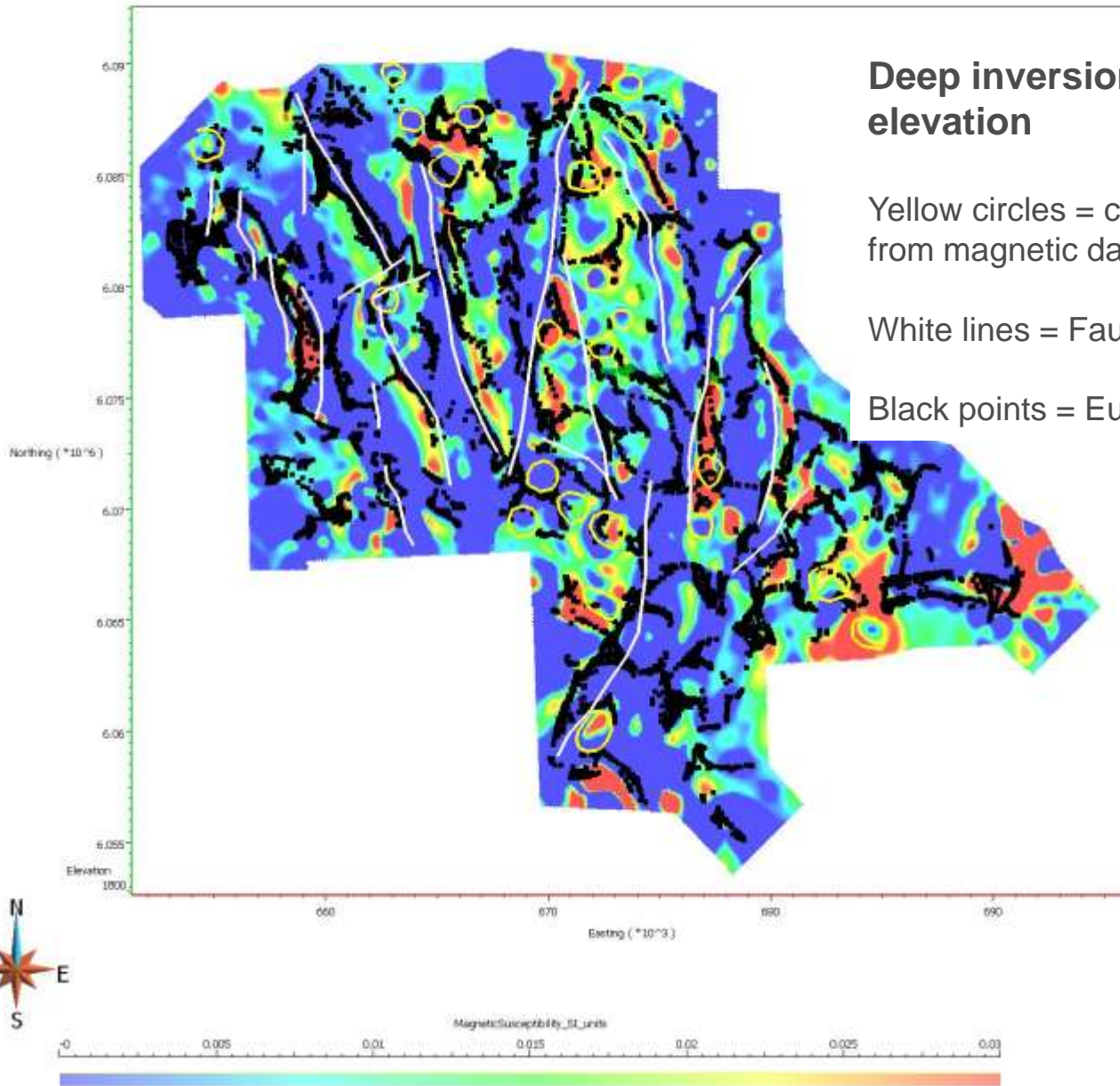
Magnetic susceptibility isosurface



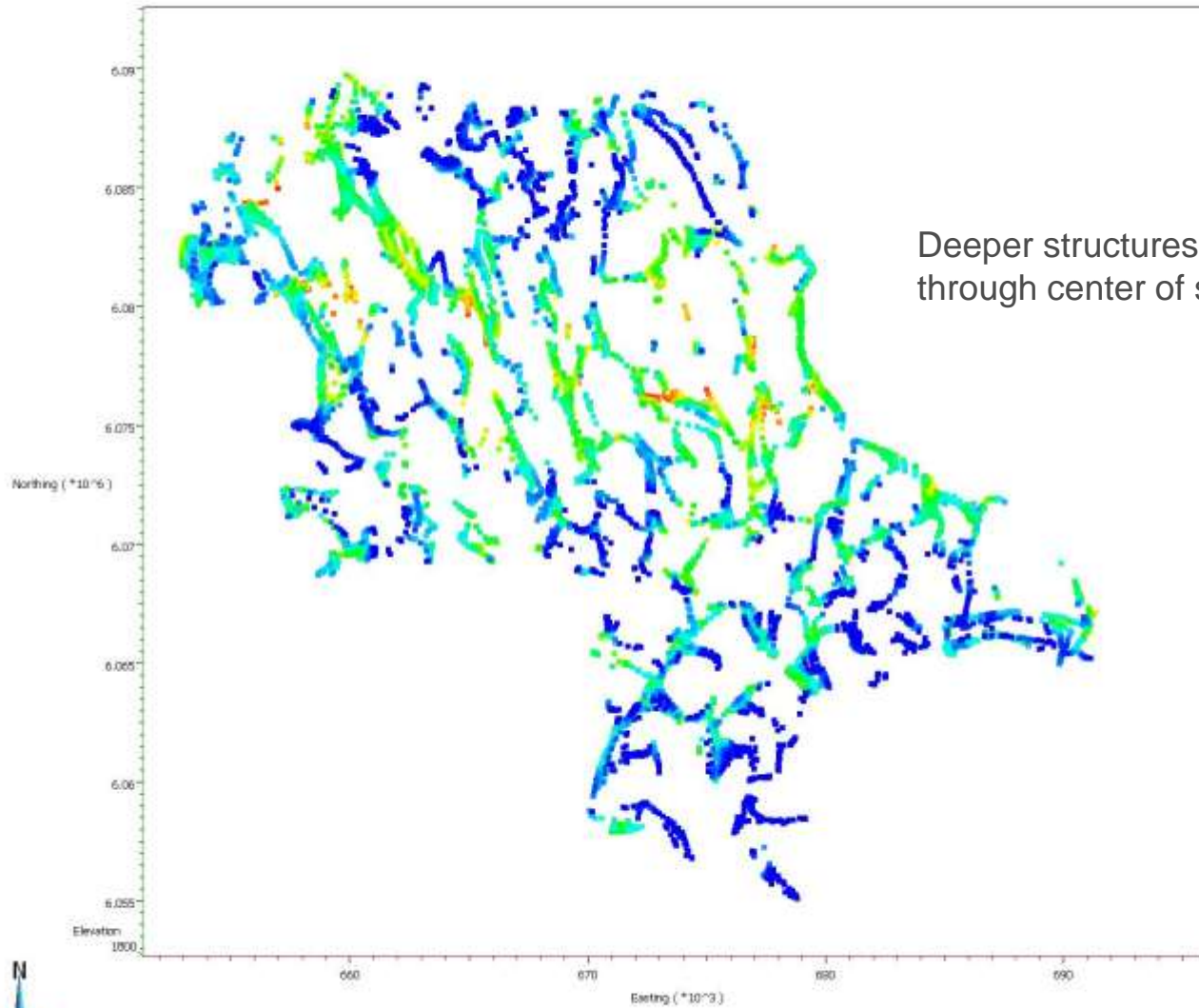
Magnetic susceptibility isosurface with geology



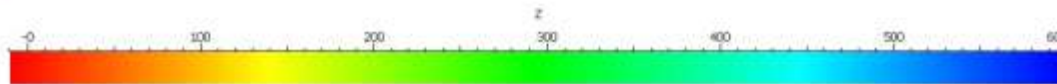
Euler deconvolution for edge detection – using magnetic data – depths of features detected



Euler deconvolution for edge detection – using magnetic data – depths of features detected



Deeper structures detected through center of surveyed area



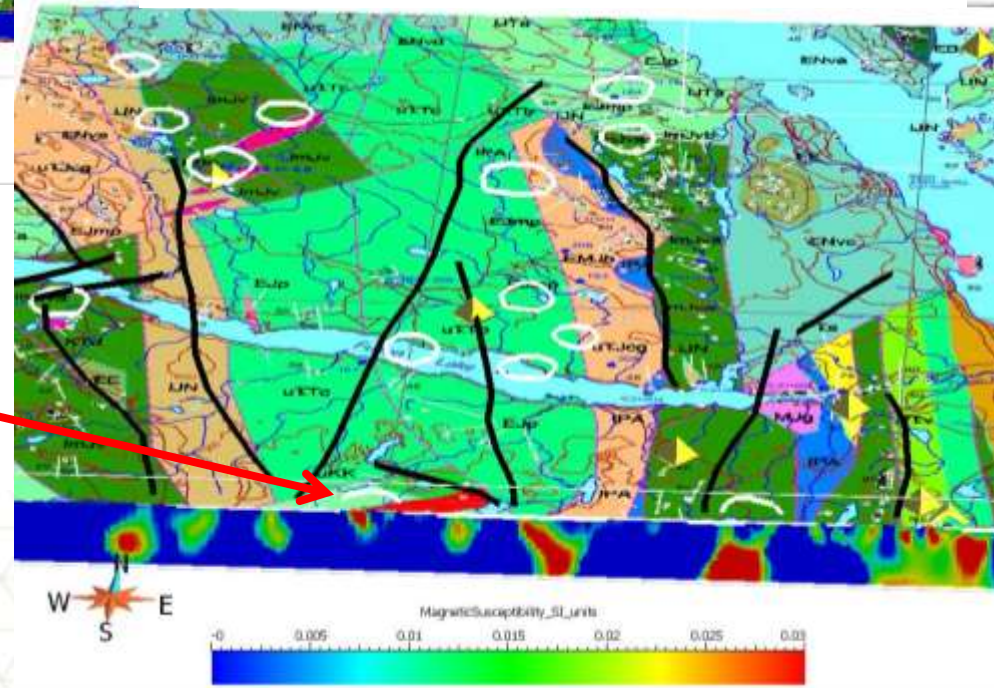
Magnetic susceptibility model and airborne EM 2D inversion results

Conductivity (Airborne EM inversion)



Intrusives typically resistive.
Triassic volcanic rocks are variably conductive (Clastics? Faults?).
Jurassic volcanics generally resistive.

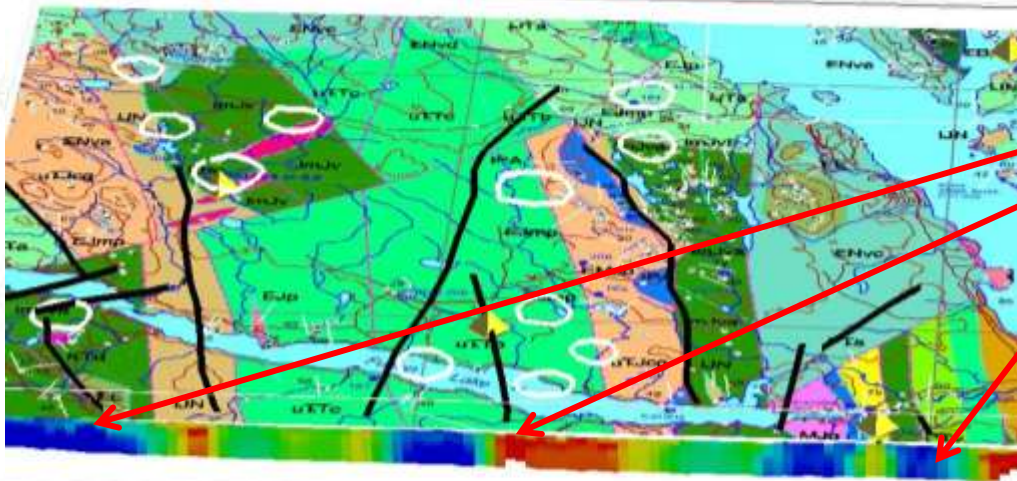
Magnetic susceptibility (Flute/Lennac inversion)



Magnetic donut near SW end of intrusive body.
Volcanic rocks are variably magnetic

Magnetic susceptibility model and airborne EM 2D inversion results

Conductivity (Airborne EM inversion)



Jurassic generally resistive.

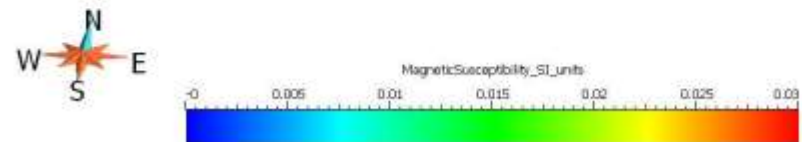
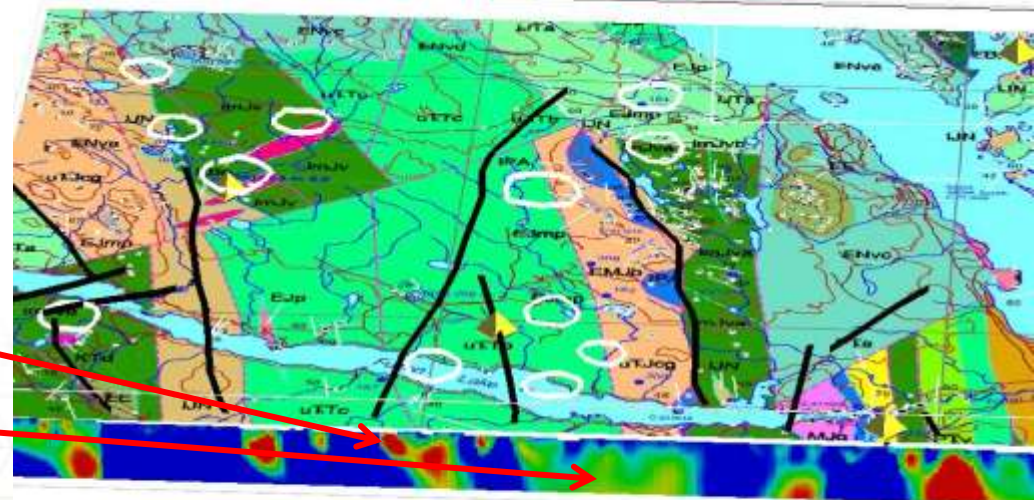
Triassic volcanic rocks are variably conductive (Clastics? Faults?).

Stratigraphy to east is mapped out by conductivity

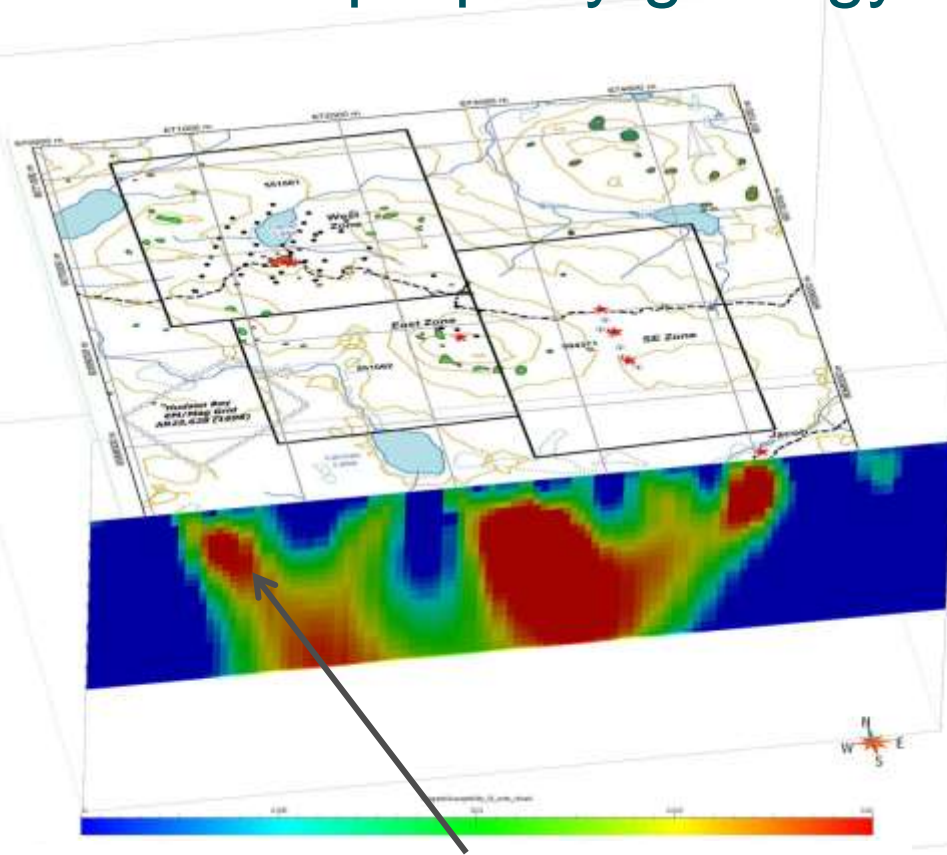
Magnetic susceptibility (Flute/Lennac inversion)



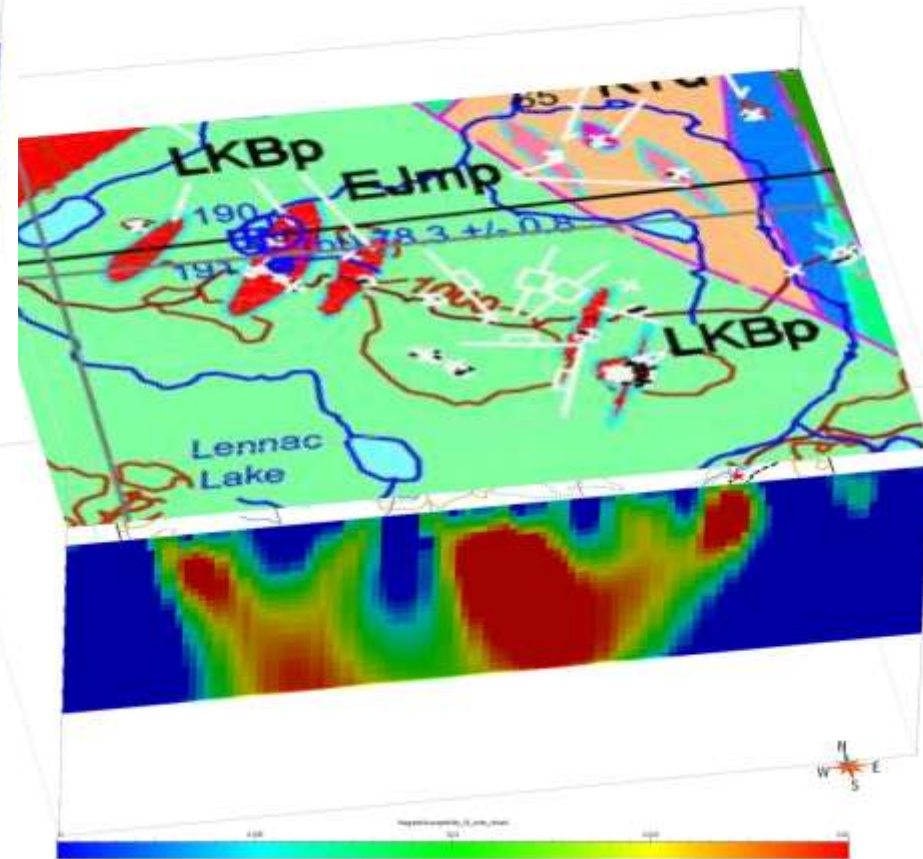
Magnetic intrusive? (Some Topley intrusive rocks mapped here by MacIntyre)
Variably magnetic volcanic stratigraphy



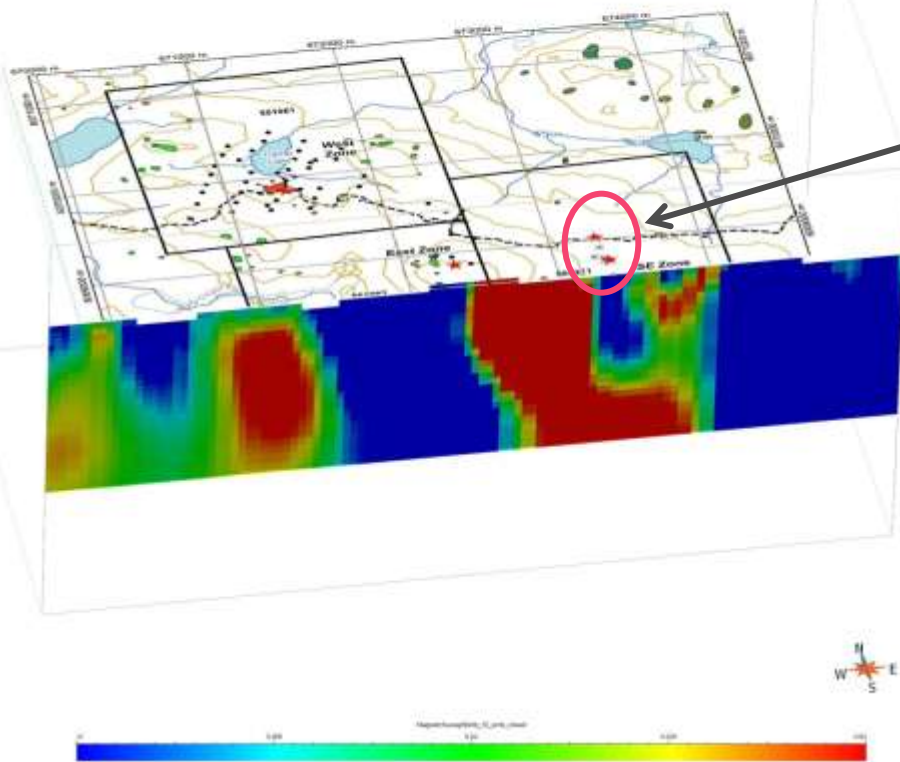
Lennac property geology overlying inversion results



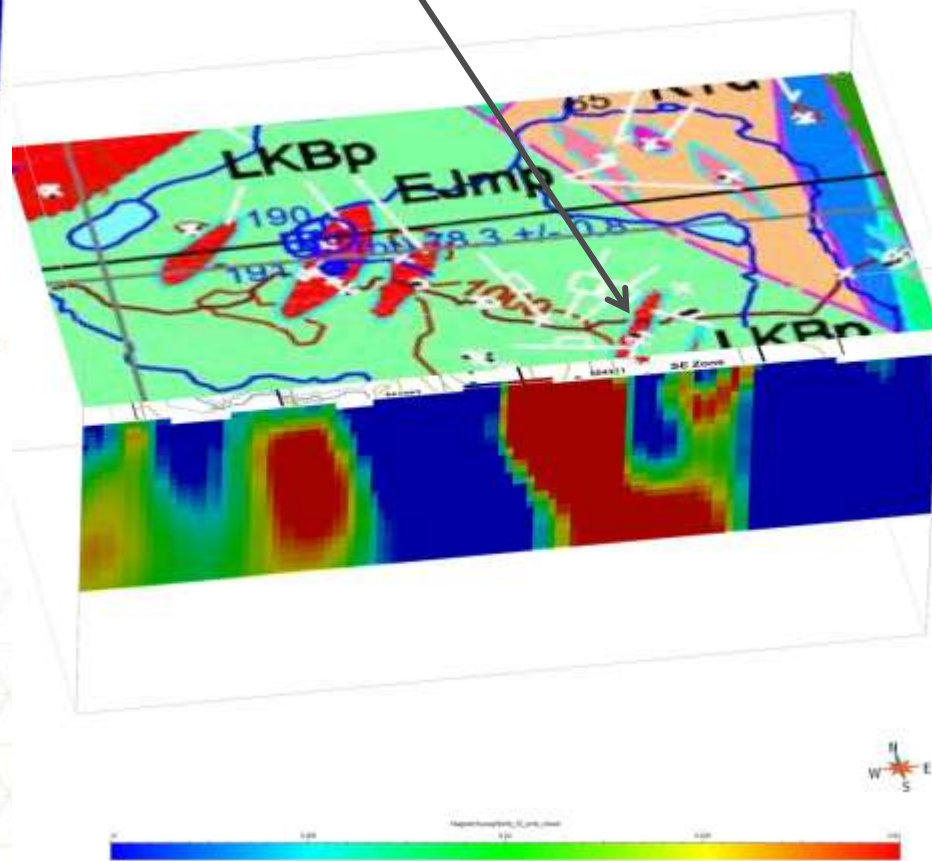
Here, mag sus highs could be representing dipping magnetic volcanic units ('stripes' in the magnetic data)



Lennac property geology overlying inversion results



Historic drilling aligned with a mag sus low. Alteration at edge of intrusive?

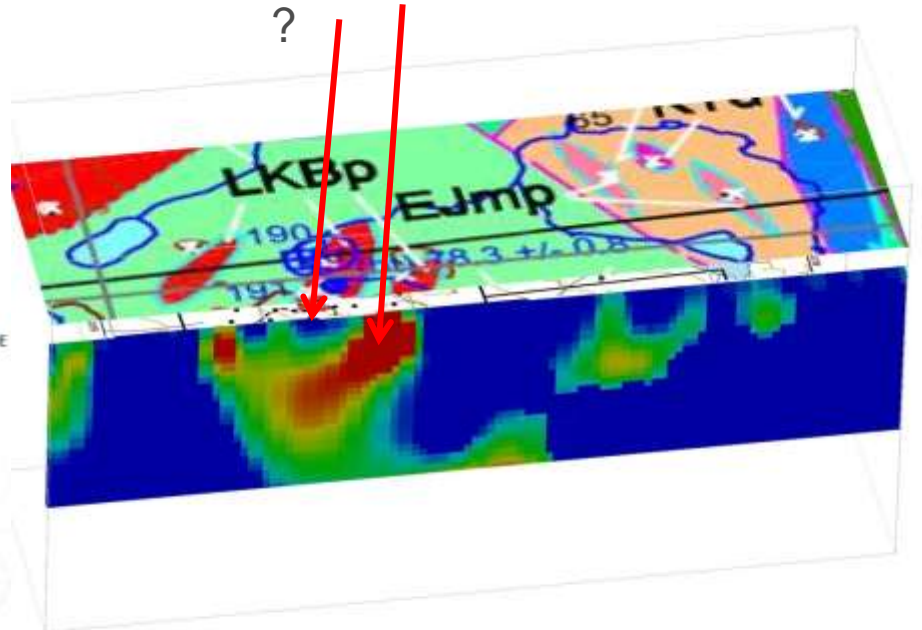
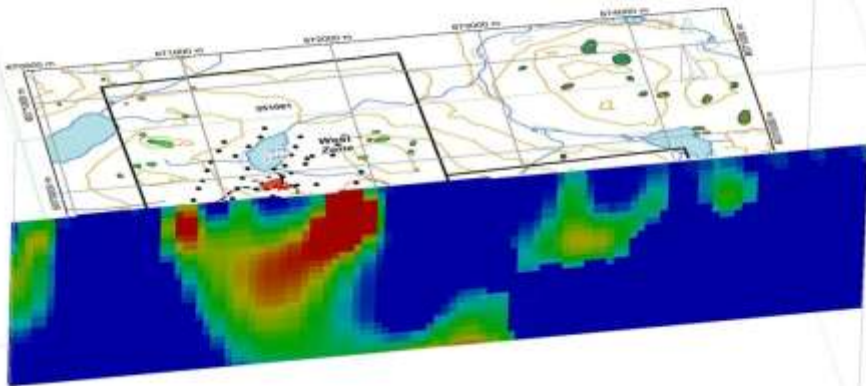


Mira Geoscience
...modelling the earth

Lennac property geology overlying inversion results

Intrusive rocks are magnetic/susceptible?
OR may be low susceptibility with overprinting secondary magnetite.
OR susceptibility may be destroyed by overprinting phyllic alteration.
Physical property data required to verify.
Once rock properties are understood, then can effectively interpret the features at depth

?



Conclusions and recommendations

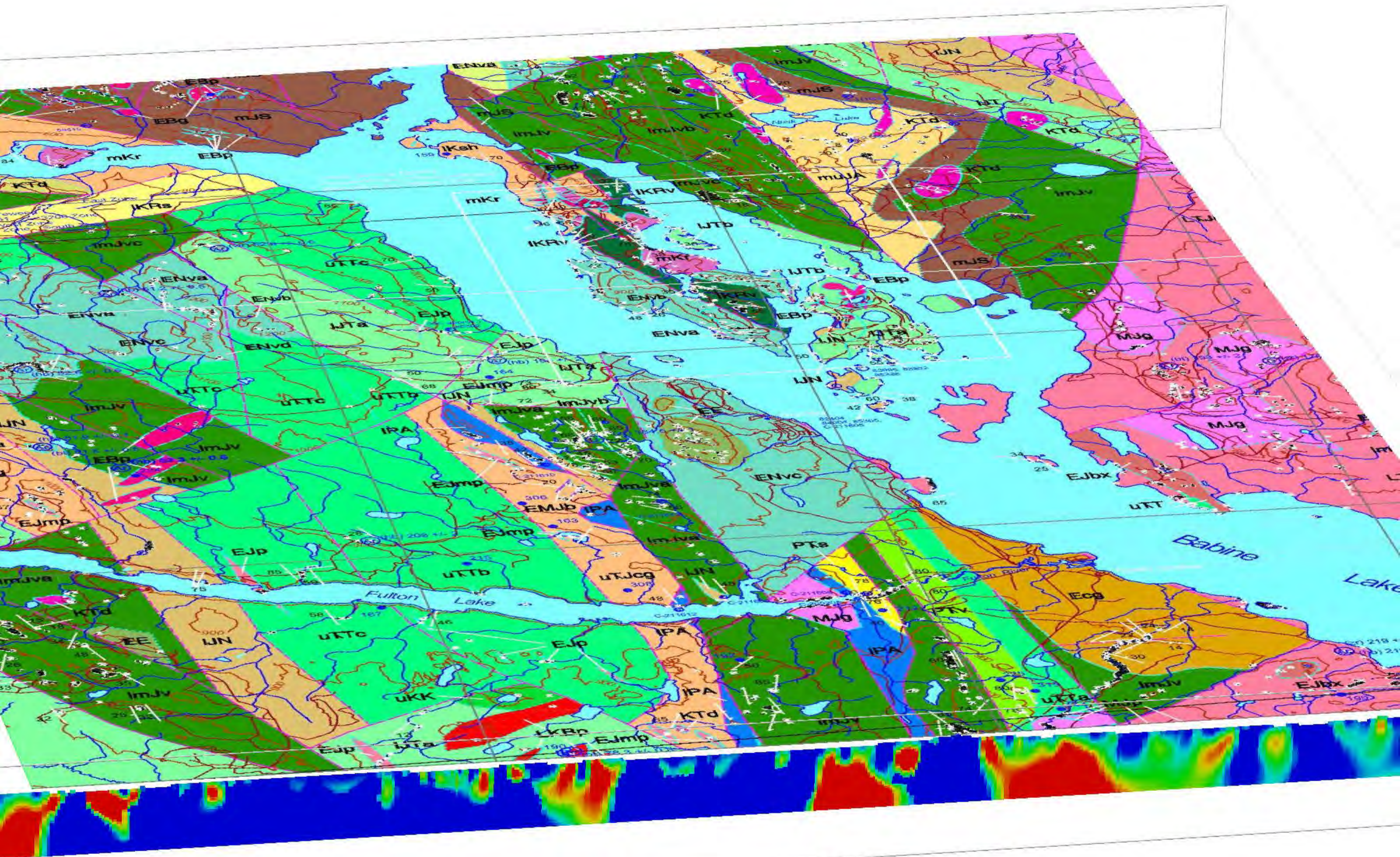
- Magnetic data show structural and stratigraphic detail. Can see stratigraphy offset by faults. Structurally complex areas can represent areas of higher fluid flow. Circular features may represent intrusives (in fact correlate with some mapped intrusives).
- From magnetic data and inversion results volcanic rocks appear to have variable susceptibility. Coherent flows may be more susceptible, while volcanoclastics could be more readily altered and less susceptible.
- Physical property data collection is required to determine typical susceptibility ranges for unaltered and altered host rocks

Minfile - Lennac

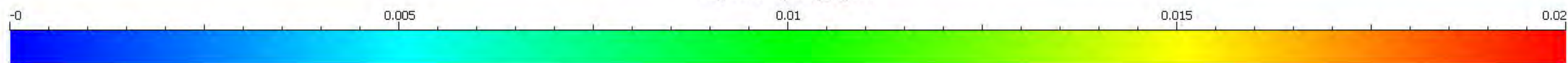
“**The West Zone porphyry intrusion** contains fine-grained, disseminated pyrite and fine-grained pyrite, chalcopyrite, chalcocite, **magnetite** and traces of molybdenum **in quartz veins and along fractures**. Chalcocite commonly occurs as coatings on the chalcopyrite grains. Malachite is widespread along fractures and is locally abundant in shears. The **highly pyritized volcanics** adjacent to the porphyry on the east and northeast property hosts minor chalcopyrite and malachite.

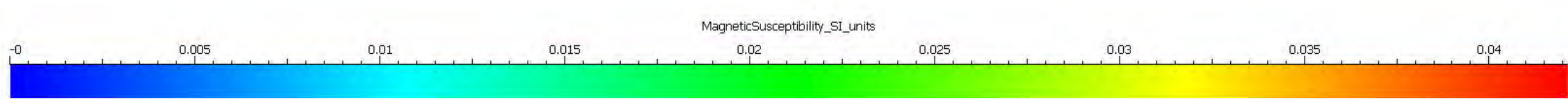
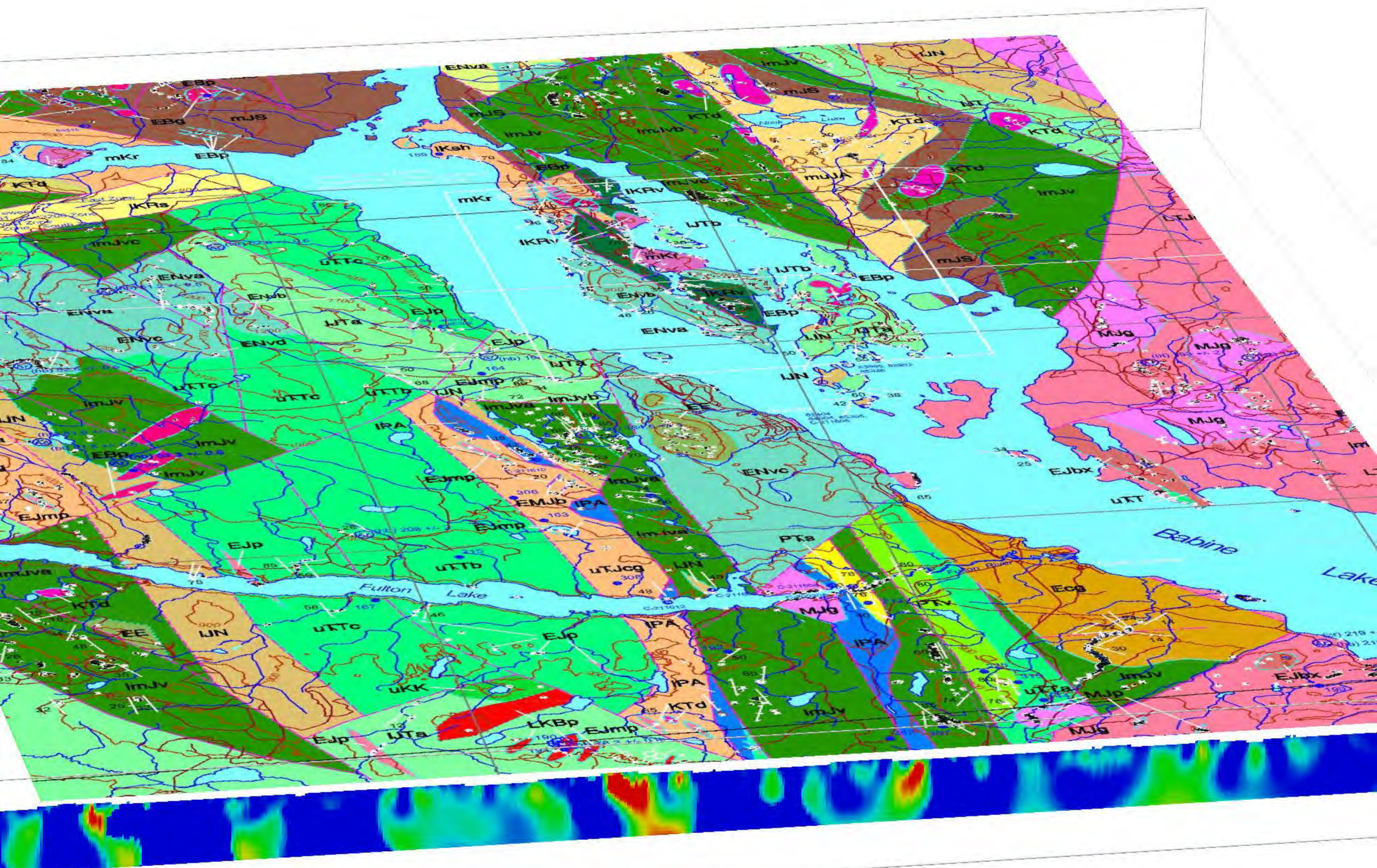
Associated with the porphyry intrusion is a northwest trending pyritic and propylitic zone. Quartz vein stockworks are associated with secondary potassic feldspar and biotite in the porphyry dikes.

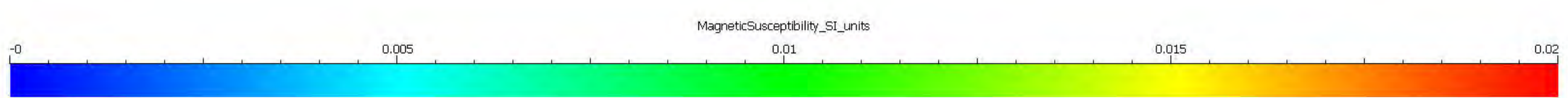
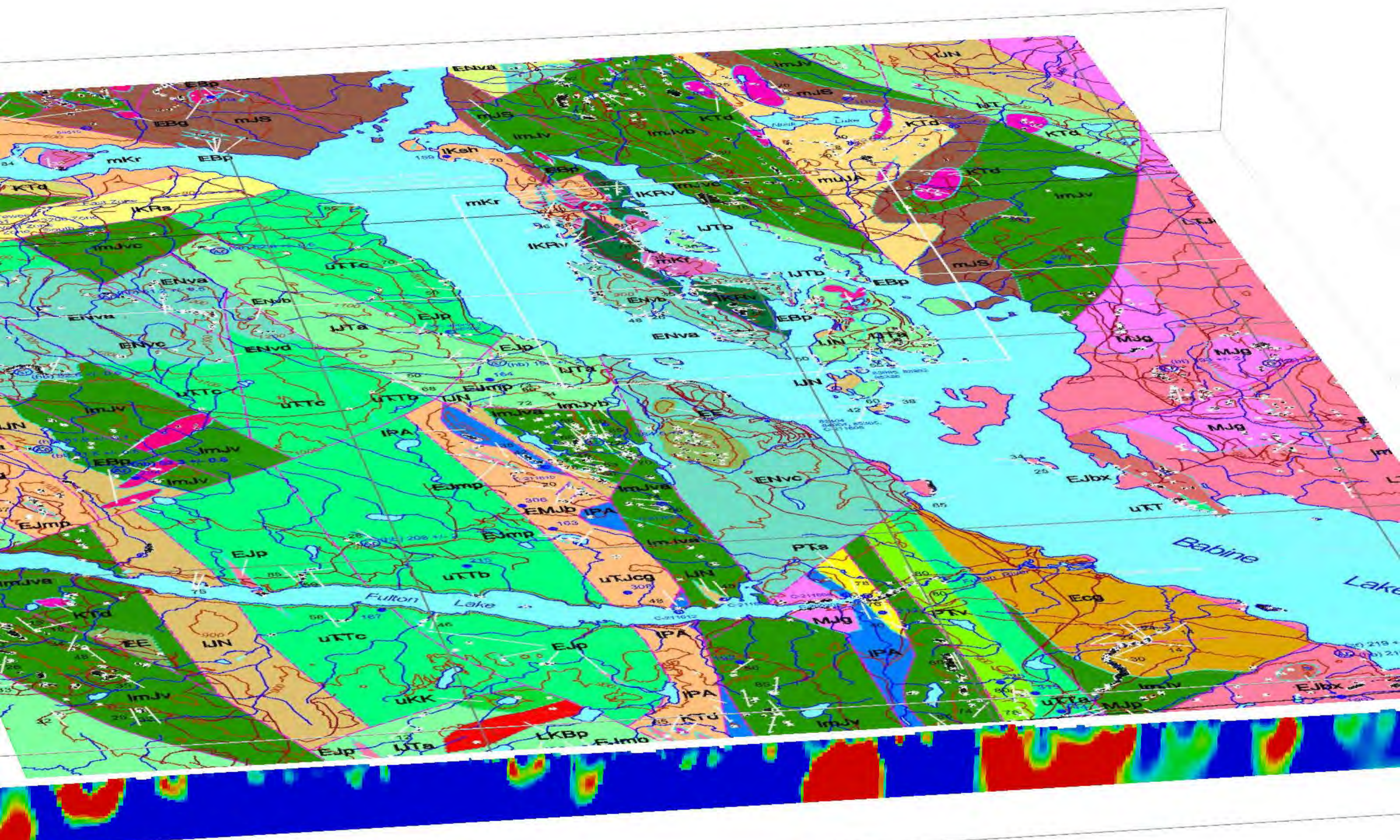
In 1971, ten channel samples ranging between 0.6 to 7.6 metres in length across the porphyry intrusion assayed: 0.04 to 0.26 per cent copper, less than 0.004 per cent molybdenum and less than 1.4 grams per tonne silver. The best assay consisted of a 6.0 metre channel sample which hosted 0.26 per cent copper (Assessment Report 3807). Soil geochemical, magnetometer and induced polarization surveys were completed on the property over the next year. **The geophysical surveys identified a magnetic low, partially ringed by highs, coinciding with a large induced polarization anomaly.** A diamond-drill programme tested the anomaly during 1973 to 1975. One drillhole, LL-74-2, encountered grades exceeding 0.30 per cent copper over an unknown distance (Property File Placer Dome Morris, A., 1975).”



MagneticSusceptibility_SI_units







Appendix 6: Archaeological Overview Assesement



Archaeological Overview Assessment No. 9662

For use by Archaeological Permitting Section only

OGC / ILMB #

1 Administrative Information

1.1 Date	June 18, 2012	1.2 Survey/Plan #	
1.3 Report Title	Archaeological Overview Assessment of the Fulton Mineral Claim		
1.4 Permit #	Non-permit	1.5 Permit holder	Frank Craig
1.6 Proponent	Riverside Resources Inc.	1.7 Contact	Jeff Clarke

2 Study Area Information

2.1 Study Area (see Figure 1)	• Fulton Mineral Claim (8515 ha area)		
2.2 Method of AOA	<input checked="" type="checkbox"/> Orthophoto	<input checked="" type="checkbox"/> RAAD/HRIA	<input checked="" type="checkbox"/> Trim Data <input type="checkbox"/> Prior assessment
2.3 Borden Blocks	GdSn, GeSn, GeSo	2.4 NTS Map	93L/09, 16
2.5 Geographic Location	The study area is located on the Interior Plateau 13 km Southwest of the community of Granisle and 50 km East of the community of Smithers. It has a NAD 83, UTM Zone 9 centre point coordinate of N: 6066489, E: 672871.		
2.6 Comments	This AOA was completed via landscape visualization tools (orthophotos, TRIM data, hillshade information, the Heritage Resource Inventory Application [HRIA] & RAAD), archaeological potential modeling using information extracted and blended from landscape visualization tools and our intimate knowledge of the archaeological record and potential of the general area. Areas of interpreted archaeological potential within the Study Area are illustrated in Figure 1. If ground and/or timber altering activities are expected to commence in these areas, an archaeological field reconnaissance may be warranted to verify/assess these areas.		

Previously recorded archaeological site information obtained from RAAD on June 6, 2012

3 Recorded Archaeological Sites Within 5 km (closest five)

Site no.	Type	Direction & distance	Possibility of impact
GdSn-1	CMT	4500 m South	None
GeSo-2	CMT	3000 m Northwest	None

4 Physiography of Study Area

The terrain appears to have the characteristic glacial features of a former outwash plain with numerous kettle lakes and wetlands. Overall the study area is fairly featureless with poor drainage. Fulton Lake is 3.2 km North and Babine lake is 9 km to the Northeast.

Report Submission Date: Original Submission: 18-Jun-12, Resubmission: N/A

ARCHER CRM Partnership

952 Fourth Avenue. Prince George, BC V2L 3H8 T: 1.250.562.0444 F: 1.250.562.0445

www.archercrm.ca

Toll-free: 1.877.261.5591

5 *Vegetation in Study Area*

Forest cover consists mainly of mature stands of lodgepole pine, and spruce with a scattering of fir and aspen. The age of stands ranges from 41 to 250 years. Under storey vegetation may include berry plants, willows and ferns.

6 *Previous Impacts / Disturbances*

Parts of the study area have been subjected to historic and recent logging with clear cuts and access roads present. Several major road developments cross through the area including the Granisle Road, the Mitchell Bay FSR and the Holmes Creek FSR.

7 *Archaeological Potential*

High for cultural material remains and / or cultural features. High for Culturally Modified Trees (CMTs). See Figure 1 for specific areas.

8 *Recommendations*

It is difficult to identify archaeological sites in any region without having an understanding of past relationships between the land and those people occupying it. Landscape features, in conjunction with vegetation cover and faunal resources, determined in large part where and when people could use an area for subsistence (e.g. hunting, plant gathering, fishing, cache pits), resource extraction (e.g. rock quarries, plant fibers), shelter (e.g. campsites, pit houses), and travel (e.g. trails, rivers). While vegetation patterns and the distribution of fauna vary with time, terrain features tend to be more stable and therefore more useful in identifying possible areas of preferred past cultural use or significance. As such, a location or area within a proposed development is determined to have archaeological potential if it displays a combination of the following attributes:

- It is a defined topographical rise on level terrain and/or is surrounded within 250 m by a wetland (e.g. knolls, eskers, whalebacks);
- Is adjacent to a significant change in slope (e.g., terrace edges, valley tops, ridges);
- It is well drained and relatively level;
- A source of (potable) water lies in close proximity (e.g. lake, stream, mineral seep, seasonal water run, wetland complex);
- It lies on a preferred path of travel between or adjacent to landscape features (e.g. edges of wetlands and terraces, ridge-tops, passes);
- It offers a view of wetlands and/or natural game corridors (e.g. gullies, valleys, ridges);
- If any of the above conditions may have existed in the past (e.g. abandoned terraces, palaeo-drainages), but are not present today;
- It contains areas of old growth timber for culturally modified tree (CMT) sites. CMTs that date to the year AD 1846 (or older) are protected as archaeological sites and must be avoided or mitigated. Tree stands with the possibility to contain protected CMTs were documented by querying forest cover data for trees older than 153 years;
- Within 250 m of a known archaeological site.

In addition to the identification of the characteristics listed above, the author's personal knowledge and experience with the general terrain within the region of the study area was also implemented. This knowledge was acquired through two decades of working in Central BC, and provides valuable support to the process of

assigning archaeological potential. No input for this in office AOA was solicited from the First Nations who claim this area as their traditional territory.

Regardless of the amount of archaeological, traditional use or other information collected to devise the potential in an area, archaeological potential is a relative measure. It cannot be taken as a quantitative or probabilistic measure of actual archaeological site densities or specific locations in a region. Archaeologists can rarely predict the probability that an archaeological site will be in any one place (i.e. cannot say there is a 75% chance that there is a site in a specific area). To a large degree site locations are unpredictable because of complex variations in temporal, cultural, environmental, geographic and other factors. Additionally, past humans were not limited by most environmental constraints due to innovation and invention. Since we cannot know all these factors, there remains a high degree of unpredictability about exact site locations. Lastly, archaeologists generally do not define "no potential" zones. All parts of the landscape are considered to have some potential for the presence of sites; people have occupied and adapted too many different landscapes for many different reasons. These statements become more significant when considered in light of the 10,000 years that humans have occupied and exploited the landscape of the north-central interior of BC.

Our Archaeological Overview Assessment of the Fulton Mineral Claim has identified areas that could contain cultural or other archaeological remains. Areas of interpreted archaeological potential (see Section 7 for criteria) are illustrated in Figure 1. Consideration must be provided for the facts that site locations are unpredictable because of complex variations in temporal, cultural, environmental, geographic and other factors. Recommendations for mitigation of archaeological matters where applicable are as follows:

- 1. Should ground and/or timber altering activities be proposed in those areas identified as having a reasonable potential for archaeological remains to be present and/or found, then a field investigation of these areas is recommended. In the majority of instances it can be presumed that existing engineered road works (defined by the outer boundary of excavated ditch back-slopes) possess low to nil archaeological potential, even when adjacent to archaeological sites, unless there is significant potential for an archaeological site to be deeply stratified and hence buried under the roadway or visible in ditch lines.**
- 2. It is recommended that an archaeological impact assessment be undertaken if ground and/or timber altering activities are to commence within areas identified as having archaeological potential illustrated in Figure 1 in order to ascertain potential cultural resource management needs.**
- 3. All archaeological sites, including those not yet recorded, are protected by the Heritage Conservation Act regardless of level of disturbance unless granted Legacy Status by the Archaeology Branch. It is recommended that the proponent conduct archaeological field investigations where necessary to avoid impact to previously recorded and unrecorded archaeological sites. The archaeological potential map provided in this report is to be used as a guide when identifying the type and intensity of archaeological assessment required prior to the inception of ground and/or timber altering activities in the Study Area.**
- 4. Where archaeological potential is deemed low within this AOA and no ground-based archaeological investigations are deemed necessary prior to investigative work being undertaken, it is recommended that the client develop or be in possession of a 'chance-find' due-diligence policy to address accidental discoveries of heritage remains protected by the Heritage Conservation Act. Despite the information presented in this overview assessment, the measure of archaeological potential is relative, not absolute. The possibility remains that cultural material remains may be uncovered in areas identified as possessing low archaeological potential.**

To address the prospect of unanticipated archaeological remains being discovered, it is recommended that the proponent inform its employees and contractors of this possibility. If archaeological materials or other heritage remains are uncovered during construction, work in the area of the find must immediately cease and the Archaeology Branch and/or ARCHER informed. It is recommended that the proponent also promptly inform the relevant First Nations concerning any unanticipated archaeological findings.

It was not the intent of this study to identify, evaluate, or comment on the presence or absence of Aboriginal Rights in the study area. Completion of this study does not “abrogate or derogate from aboriginal treaty rights” (Heritage Conservation Act Sec. 8). The study was conducted without prejudice to First Nations Treaty Negotiations, aboriginal rights or aboriginal title.

Sincerely,

Frank Craig, BA, RPCA
Director

9 References Cited

Subject Report Citation:

ARCHER CRM Partnership
2012 Archaeological Overview Assessment of the Fulton Mineral Claim. Consultant file # 9662. Prepared for Riverside Resources Inc., Vancouver, BC.

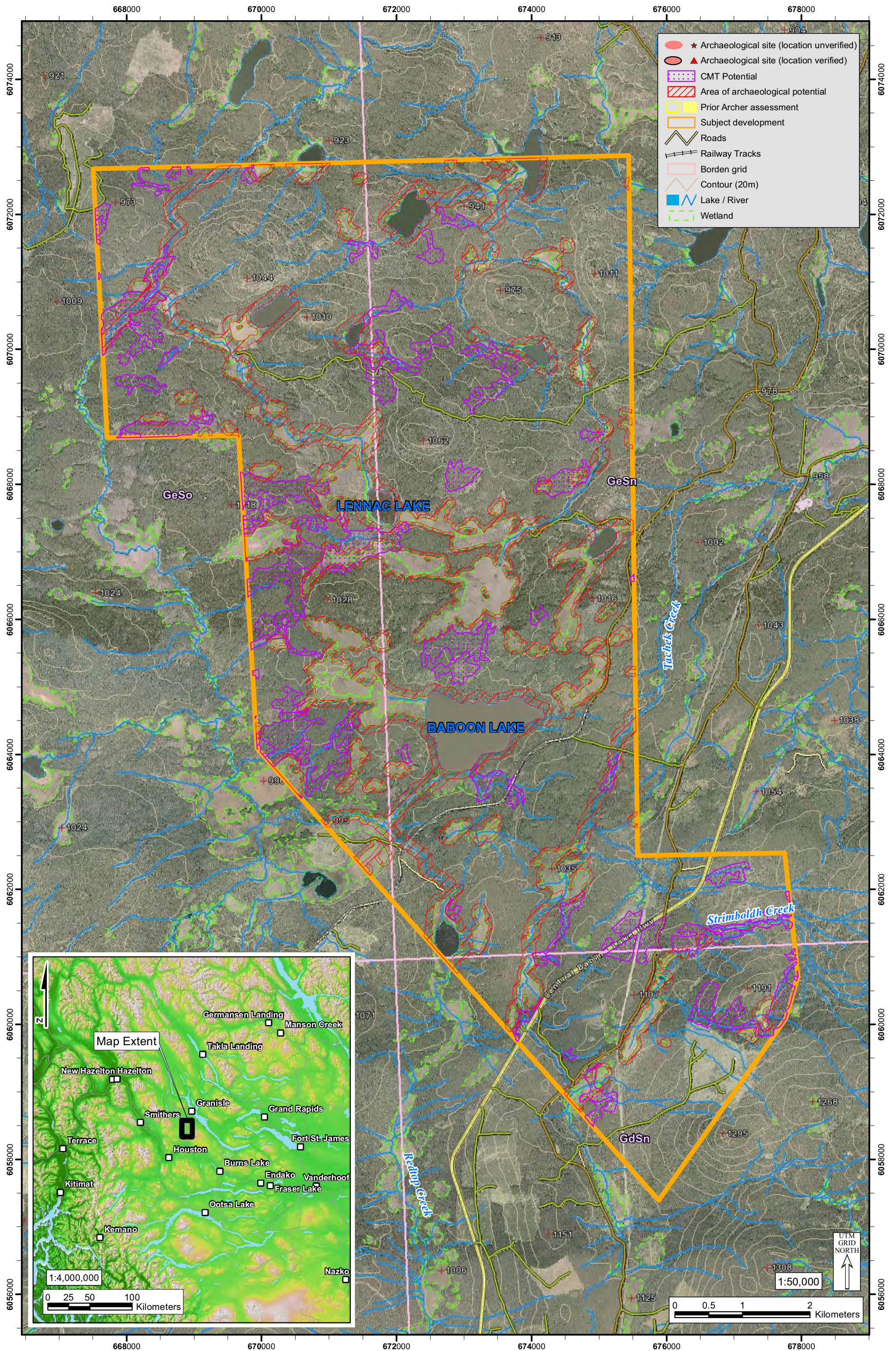
10 Contact information

Individual	Association	Phone	Fax	E-mail
Chief and Council	Lake Babine Nation	250.692.4700	250.692.4790	
Jeff Clarke	Riverside Resources Inc.	778.327.6671	778.327.6675	jclarke@rivres.com

11 Archaeology Branch Information

MAIL: Archaeology Branch Ministry of Forests, Lands and Natural Resource Operations PO Box 9816, Stn Prov Govt Victoria BC, V8W 9W3	LOCATION: #3 - 1250 Quadra Street, Victoria, BC V8W 2K7	CONTACT: Reception (250) 953-3334 Fax (250) 953-3340
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Report Submission Date: Original Submission: 2-Jun-12, Resubmission: N/A



ARCHER	Figure #:	Title:	Project #	BCGS	NTS	Projection	5
	1	Proposed Riverside Resources Inc. Fulton Claim	9662	93L.069, 079	93L/09, 16	NAD83, UTM 9	

Appendix 7: Drill Logs

Table 8: LLDH-12-001 Detail Log

From	To	Lith. Code	Remarks [Lith, Coherency, Grain Size, Textures, Cement]	Mag	Sus	Py	Cpy	Hem	Mai	Mol	FeOx	Oth	Vn	Clay	Qtz	Sty	Bt	Sty	Ser	Sty	Chl	Sty	Epi	Sty	Kfld	Sty	Mag	Sty	Sil	Sty	Cbn	Sty	Alb	Alt'n Asmb	
0.00	4.50	Casing																																	
4.50	16.37	QBFP	Light grey, Qtz+Fld+Bt+Hbl porphyry; ~50 %subhedral Fld up to 1 cm long; ~5% Bt booklets partially replaced by Mgt; ~ 5 % Hbl blades up to 0.5 cm; rounded xenoliths of FGFP, strong Ser alteration in groundmass and after Fld; mm scale Kfld halo on Qtz vein; trace diss. Py+Cpy			0	0						< 1						3	rep					1	Vs	2	SP						Phyllic	
16.37	19.28	FGP	Dark grey fine-grained Fld + Hbl porphyry; disseminated Py+Cpy throughout Py:Cpy = 3:2; thin Qtz stringer veinlets hosting Py+Cpy±Mo; late cabonate stringers; wk-Mod magnetic; mm Kfld haloes on Qtz veins; minor Ser after Fld			1	1			0			1						2	rep			1	Pat	1	Vs	1	rep		1	VN			Phyllic	
19.28	20.60	QBFP	Light grey, Qtz+Fld+Bt+Hbl porphyry; ~50 %subhedral Fld up to 1 cm long; ~5% Bt booklets partially replaced by Mgt; ~ 5 % Hbl blades up to 0.5 cm; rounded xenoliths of FGFP, strong Ser alteration in groundmass and after Fld; mm scale Kfld halo on Qtz vein; trace Py+Cpy disseminations			0	0						< 1							3	rep					1	Vs	2	SP					Phyllic	
20.60	21.46	FGP	Dark grey fine-grained Fld + Hbl porphyry; disseminated Py+Cpy throughout Py:Cpy = 3:1; thin Qtz stringer veinlets hosting Py+Cpy±Mo; late cabonate stringers; wk-mod magnetic; mm Kfld haloes on Qtz veins; minor Ser after Fld			1	0						1							2	rep			1	Pat	1	Vs	1	rep		1	VN			Phyllic
21.46	32.84	QBFP	Light grading to medium grey Qtz+Fld+Bt+Hbl porphyry; ~40 %subhedral Fld up to 1 cm long; ~10% Bt booklets partially replaced by Mgt; ~5 % Hbl blades up to 0.5 cm; rounded xenoliths of FGP, cross-cutting Qtz veinlets with increasing Kfld haloes; Ser after Fld; disseminated Py and Cpy, Py:Cpy = 1:1			1	1						1							1	rep					2	Vs	2	SP					Potassic	

117.0 2	126.51	F G P	Dark grey fine grained Fld+Hbl porphyry grading to Fld phyrlic coherent volcanic; finely disseminated Cpy + Py and thin Cpy veinlets; thin Qtz+cb+Cpy veinlets; blebby Cpy; weakly magnetite; Ser after Fld	1	2											1				2	r e p							1	r e p		1	v n	Phyllic
126.5 1	128.77	Q B F H P	Light grey Qtz+Fld+Bt+Hbl porphyry; strong Ser after Fld and groundmass; very thin Kfld selvage on Qtz stringer veinlets ± Cpy; trace diss Cpy; magnetite after Fld	0	0															3	r e p				2	v s	1	r e p		1	v n	Phyllic	
128.7 7	131.62	F G P	Dark grey fine grained Fld+Hbl porphyry grading to Fld phyrlic coherent volcanic; finely disseminated Cpy + Py and thin Cpy veinlets; thin Qtz+Cb+Cpy veinlets; blebby Cpy; weakly magnetic; Ser after Fld	1	1															2	r e p						1	r e p		1	v n	Phyllic	
131.6 2	179.31	B F H P	Light grey Fld+Bt+Hbl porphyry; 5% Bt book up to 1 cm, 5% Hbl needles to 0.5 cm; thin Kfld selvage on Qtz vein and rims on Fld; local strong green Ser-clay replacement of Fld; 0.1-1 cm Qtz+Cpy+Py±Mo, rare hematite in veins; disseminated Cpy throughout; Mgt after Bt; late Qtz-Cb veins	0	1		0													2	p a t				2	v s	1	r e p		1	v n	Potassic	
179.3 1	186.10	F G P	Dark grey to black fine grained Fld+Hbl porphyry; thin Qtz veinlets (0.1 to 1 cm) with minor Py+Cpy; Moderately magnetic; thin Kfld selvage and rare Bt selvage on Qtz vein; very finely diss Cpy and thin Cpy fracture fill and veinlets	0	3								1	v s											2	v s	2	r e p		1	v n	Potassic	
186.1 0	196.25	F L T	Strongly clay-Chl-sericite altered faults QBHP																	4													Argillic
196.2 5	205.02	A N D S	Black fine grained andesite, locally phaneritic FGP; very finely diss Cpy and thin Cpy only stringer veinlets; thin sinuous Qtz+Cpy veinlets up to 2 mm wide; very thin rare Bt selvages on Qtz veinlets; Moderately magnetic	0	2									1	v s											2	v s	1	r e p		1	v n	Potassic
205.0 2	225.08	B F H P	Dark grey Fld+Bt+Hbl porphyry; weakly magnetic; thin Qtz veinlets with mm scale Kfld selvage; disseminated Py+Cpy with higher concentration near veining; very weak spotty Ep	1	1																				1		2	V S	1	r e p			Potassic
225.0 8	225.89	F G P	Fine grained Fld porphyry; strongly hornfelsed upper contact; diss. Cpy+Py; thin Qtz veinlets	1	1																2	p v						1	r e p		1	V N	Phyllic
225.8 9	228.34	B F H P	Medium grey coarse graine Fld+Bt+Hbl porphyry; Mgt after Bt and disseminated in groundmass; thin Qtz±Cpy veinlets with mm scale Kfld selvage; rare zones Qtz+Cpy vein	1	1																1	r e p				2	v s	2	r e p				Potassic

228.34	233.16	ANDS	Black to dark grey Fld phyric andesite with local flow banding; local coarse grained phaneritic FGP; thin Qtz stringers with minor Bt selvage; finely diss Cpy, minor blebby and Cpy veinlet	1	1									1					1	vs	1	rep							1	rep				1	vn	Potassic		
233.16	235.38	BFHP	Medium grey coarse grained Fld+Bt+Hbl porphyry; Mgt after Bt and disseminated in groundmass; thin Qtz veinlets with mm scale Kfld selvage; trace diss Py+Cpy; localized intense Ser; Chl after Amph	0	0																	2	pat	1	rep				2	vs	1	rep			1	vn	Potassic	
235.38	246.53	FGP	Dark green fine grained Fld porphyry; strong Chl replacement; increased Cb veinlets; patchy intense Ser replacement; local shear fabric and fault gouge; thin Qtz veinlets with diss Cpy; diss Cpy and Cpy only stringer veinlets; very rare Mo veinlets	0	1				0														2	pat	3	rep	1	pat							2	vn	Potassic	
246.53	249.10	BFHP	Dark grey Fld+Bt+Hbl porphyry; ~5 % Bt booklets up to 1 cm ; ~5% Hbl needles up to 3 mm; cross-cutting Qtz veins 3 mm to 2 cm with mm scale Kfld halo; diss. Cpy within groundmass and in veins; very rare Mo in veins; Ser after Fld;	0	1				0																				2	vs	1	rep			1	vn	Potassic	
249.10	253.35	ANDS	Dark green Fld phyric andesite with narrow zones of FGP; strong Chl replacement; strong localized Ser replacement; diss Cpy+Py; rare Qtz stringers; late Cb veinlets; local shear texture; minor Cpy only veinlets	1	1																														2	vn	Potassic	
253.35	256.10	FLT	Light grey strongly chloritic fault gouge of ands/fgfp																																2	vn	Argillic	
256.10	260.20	FLT	Light grey/green chloritic fault gouge of bfhp; strong clay-Chl		0																														2	vn	Argillic	
260.20	266.95	BFHP	Light grey faulted BFHP; locally clay altered, locally gouged; light green Ser after Fld; local Qtz+Cpy vein with Kfld selvage; rare Qtz+Cpy zoned veins; locally chloritic; weakly magnetic (after Bt)	0	1				0																											1	vn	Potassic
266.95	269.06	FGP	Dark green fine grained Fld porphyry; strong Chl-Ser replacement; cross-cutting Qtz+Cpy veinlets and late cb veins	1	2																														2	vn	Potassic	
269.06	271.70	QBFHP	Light grey-green Qtz+Fld+Bt+Hbl porphyry; ~5 % Qtz eyes, 10% Bt booklets; 10% Hbl blades; thin Kfld selvage on Qtz vein and thin rims on Fld; Mgt after Bt; local strong late Ser after Fld and groundmass; diss. Py+Cpy	1	1																															1	vn	Potassic
271.70	281.74	FGP	Dark grey to dark green fine-grained Fld porphyry to Fld phyric andesite; weakly chloritic; Ser after Fld; rare thin Kfld selvage on 0.5-2 cm Qtz±Py±Cpy veins; diss Py+Cpy; rare blebby Cpy	1	1																															1	vn	Potassic

281.7 4	291.78	BFHP	Medium grey Fld+Bt+Hbl porphyry; thin Qtz±Cpy veinlets with Kfld selvage and minor Kfld halo on Fld; minor Ser after Fld; late Cb veinlets; Mgt after Bt; trace diss Cpy + Mo	0	1		0		1				2	rep			2	vs	1	rep	1	vn	Potassic
291.7 8	294.65	FLT	Green strongly chloritic, fracture BFHP; local strong clay replacement; local gouge						1	2			2	rep	3	pat					2	vn	
294.6 5	297.75	FGP	Green strongly chloritic, fracture FGP, strong cross-cutting carbonate veining; local gouge		0				3	2					3	Per					3	vn	
297.7 5	301.72	BFHP	Medium grey Fld+Bt+Hbl porphyry; thin Qtz±Cpy veinlets with Kfld selvage and minor Kfld halo on Fld; minor Ser after Fld; late Cb veinlets; Mgt after Bt; trace diss Cpy + Mo	0	1		0		1				2	rep			2	vs	1	rep	1	vn	Potassic
301.7 2	303.10	FGP	Dark grey to dark green fine-grained Fld porphyry to Fld phyrlic andesite; weakly chloritic; Ser after Fld; local shear fabric	1	1				1				2	rep	2	rep	2	vs	1	rep	1	vn	Potassic
303.1 0	303.92	FLT	Fault gouge																				
303.9 2	310.00	BFHP	Medium grey Bt+Fld+Hbl porphyry with local shear texture; Chl replacement related to shearing; Qtz veining with mm scale Kfld selvage; Ser after Fld and groundmass; diss Cpy	0	1				2	1			3	rep	3	rep	2	vs			1	vn	Potassic
310.0 0	331.10	FGP	Dark grey fine-grained Fld porphyry to Fld phyrlic andesite; local strong Ser flooding near narrow fault gouge; thin Qtz veinlets with ?Bt selvage; diss. Py+Cpy; variably weakly magnetic; thin late carbonate veinlets	1	0				1		1	vs	3	pat							1	vn	Potassic
331.1 0	334.35	QBFP	Dark grey Qtz+Bt+Fld porphyry; ~5% Qtz eyes. 10% Bt booklets to 1 cm; Mgt after Bt, light green se after Fld; thin Kfld selvage on Qtz vein and rims on Fld; trace diss. Cpy	0	0				1				2	rep			2	vs	1	rep	1	vn	Potassic
334.3 5	350.40	FGP	Dark grey to dark green fine-grained Fld porphyry; localize intense Ser flooding; weakly magnetic; thin Qtz veinlets with trace Cpy+Py; increasingly chloritic downhole: EOH	0	0				1				2	pat	2	rep			1	rep	1	vn	Potassic

Table 9: LLDH-12-002 Detail Log

From	To	Lith. Code	Remarks [Lith, Coherency, Grain Size, Textures, Cement]	Mag	Py	Cpy	Hem	Mal	Mol	FeOx	Other	Vn	Clay	Qtz	Sty	Bt	Sty	Ser	Sty	Chl	Sty	Ep	Sty	KF	Sty	Mag	Sty	Sil	Sty	Cbn	Sty	Alt'n Asmb
0.00	4.50	Casing																														
4.50	46.00	LPTF	Dark grey, crystal-lithic lapilli tuff; fragments from 0.5 cm to 20 cm of ANDS and FGP; spotty Ep; rare thin Qtz±Py±Cpy veinlet; diss. Py throughout; weakly to locally Moderately magnetic; Ser after Fld and localized intense Ser wash; late Cb veining		2	0			0			< 1						2	REP		1	pat			1	pat			1	vn	Propylitic	
46.00	52.10	LPTF	Dark grey, crystal-lithic lapilli tuff; fragments from 0.5 cm to 20 cm of ANDS and FGP; spotty Ep; rare thin Qtz±Py±Cpy veinlet; diss. Py throughout; weakly to locally Moderately magnetic; Ser after Fld and localized intense Ser wash; late Cb veining; thin pink ?Kfld selvage on Qtz veins		1	0						< 1						2	REP		1	pat	1	vs	1	pat			1	vn	Potassic	
52.10	104.83	LPTF	Dark grey crystal-lithic lapilli tuff; fragments from 0.5 to 20 cm of ANDS and FGP; spotty Ep throughout; thin Qtz±Cb stringers veinlets ± Py; patchy magnetite; trace diss Cpy and Cpy only stringer veinlets		1	0						< 1						1	REP		1	pat			1	pat			1	vn	Propylitic	
104.83	106.95	QBFFHP	Light grey Qtz+Bt+Fld+Hbl porphyry; mm scale Kfld selvage on Qtz veinlets; minor Ser replacement of Fld and groundmass; diss. Cpy and trace Mo; late Cb+Cpy veinlets		0	0			0			1						2	REP				1	vs	1	rep			1	vn	Potassic	
106.95	111.86	QBFFHP	Light grey-green strongly fractured Qtz+By+Fld+Hbl porphyry; clay after Fld; strong Ser after Fld + groundmass; faulted section; narrow zone of intense Ser flooding									1	2					4	per												Phyllic	

111.86	123.66	QBFFHP	Light grey Qtz+Bt+Fld+Hbl porphyry; very localized strong Ser+clay replacement; thin Kfld selvage on Qtz veins; diss Cpy + Py; Mgt after Bt	0	0					1	1					2	Pat			1	vs	1	rep			1	vn	Potassic	
123.66	136.02	FGP	Dark grey fine grained FS+HBL+MT+?Bi porphyry; Moderately magnetic; local finely diss Cpy+Py and Cpy only veinlets; Qtz veinlets with Cpy centreline; thin Bt selvage on Qtz veins; rare spotty Ep; localized strong Chl replacement near small shear zones; local strong Ser flooding; weak Chl replacement of groundmass	1	1		0			1				1	vs	1	pat	2	PV	1	pat	1	vs	1	vn		1	vn	Potassic
136.02	141.83	ANDS	Fine grained Fld phyrlic andesite; locally fragmental; localized strong Cpy mineralization as fine diss and Cpy only veinlet; diss Py; late Cb + blebby Cpy + Py veinlets; thin light pink Fld (?Kfld) selvage on Qtz stringers	1	1					1						1	REP	1	REP	1	pat	1	vs			2	vn	Potassic	
141.83	143.67	QBFFHP	Light greenQtz+Bt+Fld+Hbl porphyry; strong Ser after Fld and groundmass; thin Kfld selvage on Qtz veins with rare blebby Cpy and bornite; xenoliths of andesite; minor Chl after Hbl and Bt.	0	0											3	per	1	REP							1	vn	Potassic	
143.67	146.02	ANDS	Fine grained Fld phyrlic andesite to FGP; thin cross-cutting Qtz+Cb veinlets; weakly magnetic; thin light pink ?Kfld selvage on Qtz stringers; early Kfld with Ser overprint	0	0					1						1	REP	1	REP	1	pat	1	vs	1	rep		1	vn	Potassic
146.02	151.60	QBFFHP	Variably light to medium green Qtz+Fld+Bt+Hbl porphyry; very strong Ser over print over early potassic alt as Kfld selvage on Qtz vein and rims on Fld seen in "windows"; trace diss and blebby Cpy; very localized shearing @ 149.1; minor Chl after Bt + Hbl	0	0					1	1					4	per v	1	REP			1	vs	1	rep				Phyllic
151.60	152.00	ANDS	Dark grey to green Chloritized ands or FGP; early Kfld selvage on Qtz vein; diss Cpy and Cpy only vein	0	1					1						2	REP	3	REP			1	vs			1	vn	Potassic	
152.20	152.48	QBFFHP	Dark grey Qtz+Fld+Bt+Hbl porphyry in a fine groundmass; Bt selvages in Qtz+Py-Cpy stringers	0	0					< 1				1	vs	2	REP							2	rep		1	vn	Potassic
152.48	155.33	ANDS	Dark grey to black ands, fine grained Fld, up to 5 cm Qtz-Py-Cpy-Mo veins	0	1		0			1						2	REP	1	Vn			1	vs	1	Pat		1	vn	Potassic

275.91	277.14	Q B F H P	Light grey to green Qtz+Bt+Fld+Hbl porphyry, Qtz+Hmt veinlets	0							3			2	per	2	sp			2	per		2	per	Argillic		
277.14	292.32	Q T Z V	Massive multiphase Qtz vein, strong silicification, centimetric green grey silicified and Sericitized QBFHP fragments, Bt altered to Ser+Musc, locally Py±Cpy blebs	1	0			0			4			2	sp	2	sp					4	per	1	vn	Silicification	
292.32	297.36	Q B F H P	Dark grey Qtz+Bt+Fld+Hbl porphyry, Qtz+Py-Cpy stringers with Kfld halos, moderate magnetic, fine dissem Py±Cpy	1	0			0			1			2	sp	1	sp			1	vs	2	sp	1	sp	Potassic	
297.36	299.67	Q T Z V	Massive multiphase Qtz vein with milimetric Kfld halos, strong silicification, centimetric green grey silicified, Sericitized QBFHP fragments	0	0						4			2	sp	1	sp			1	vs	1	sp	4	per	Potassic	
299.67	313.27	Q B F H P	Light grey Qtz+Bt+Fld+Hbl porphyry, Qtz±Cpy stringers with milimetric Kfld halos	0	0						< 1			1	sp					2	vs	2	sp	1	per	Potassic	
313.27	314.71	A N D S	Dark green Ands, aphanitic to porphyritic, 0.5mm subhedral Fld, locally Cpy blebs, Qtz-Cpy-Py stringers with centimetric Mgt+Bt halos	0	0						1		2	vs	2	sp	2	sp				2	sp		1	vn	Potassic
314.71	317.37	Q B F H P	Light grey Qtz+Bt+Fld+Hbl porphyry, Qtz±Cpy stringers with milimetric Kfld halos, locally Qtz+Cb+Chl-Py veinlets	0	0						< 1			1	sp	1	Vn			2	vs	2	sp	2	per	Potassic	
317.37	318.03	A N D S	Black porphyritic ands, 0.5mm subhedral Fld, intense stockwork, Qtz+Py veinlets, Qtz+Cpy+Py stringers with Kfld halos	1	0						1			1	sp					2	vs	2	sp		1	vn	Potassic
318.03	318.50	Q B F H P	Light grey Qtz+Bt+Fld+Hbl porphyry, Qtz±Cpy stringers with milimetric Kfld halos	0	0						< 1			2	sp					2	vs	2	sp	1	per	Potassic	

Table 11: LLDH-12-004 Detail Log

From	To	Lith. Code	Remarks [Lith, Coherency, Grain Size, Textures, Cement]	Mag	Py	Cpy	Hem	Pyr	Mol	FeOx	Mgt	Vn	Clay	Qtz	Sty	Bt	Sty	Ser	Sty	Chl	Sty	Epi	Sty	KF	Sty	Mag	Sty	Sil	Sty	Cbn	Sty	Alt'n Asmbl
0.00	9.00	C a s e																														
9.00	35.72	Q B F P	Tan to white Qtz+Bt+Fld porphyry, 2-3mm subhedral white Fld strongly replaced by Clay+Ser, 3-4mm anhedral Qtz eyes, 1-2mm subhedral light grey to light brown Bt strongly altered to Clay+Ser, in a light grey strongly silicified+sericitized and locally chloritized groundmass. Trace fine Py disseminations. Abundant Qtz, Qtz+py veinlets stockwork, where two vein population are possible to note, 3-4cm wide and 0.5-1cm wide. Where veining is less intense and silicification is strong, Bt is preserve as black 1mm subhedral crystals weakly altered to ser		0							3	3					3	sp	2	per						3	sp				Phyllic
35.72	39.39	Q T Z V	Light grey to white intense Quartz stockwork. At least 3 generation of veining possible to observe: Qtz, Qtz+py, Qtz+Clay and late miliky Qtz+grey Qtz±Py±Cpy veining from 1mm to 5cm wide veinlets. Locally QBFP fragments possible to observe. Late Cb veinlets are also present.		0	0						4	1					1	sp								4	vn	1	vn	Silicification	
39.39	83.00	Q B F H P	Tan to white Qtz+Bt+Fld+Hbl porphyry, 2-3mm subhedral white to green Fld strongly replaced by Clay+Ser, 3-4mm anhedral Qtz eyes, 2-3mm subhedral light grey to light brown Bt strongly altered to Clay+Ser, rare 1-2mm euhedral Hbl in a light grey strongly silicified+sericitized and locally chloritized groundmass. Trace fine Py disseminations. Abundant Qtz, Qtz+py veinlets stockwork, where two vein population are possible to note, 3-4cm wide and 0.5-1cm wide. Rare Py+Cb-Qtz veinlets. Where veining is less intense and silicification is strong, Bt and Hbl are preserved as black 1mm subhedral crystals weakly altered to ser, also rusty Bt close to veinlets possible to observe locally replaced by Py or Chl.		0							3	3					3	sp	2	sp						3	sp	1	vn	Phyllic	
83.00	114.00	Q B F H P	Tan to white Qtz+Bt+Fld+Hbl porphyry, 2-3mm subhedral white to green Fld strongly replaced by Clay+Ser, 3-4mm anhedral Qtz eyes, 1-2mm subhedral light grey to light brown Bt strongly altered to Clay+Ser, rare 1-2mm euhedral Hbl in a light grey strongly silicified+sericitized and locally chloritized groundmass. Trace fine Py disseminations. Abundant Qtz, Qtz±py veinlets stockwork, where two vein population are possible to note, 1-4cm wide and early 1mm wide. Rare Qtz±Py-Mo stringers. Rusty Bt close to veinlets possible to observe locally replaced by Py or Chl. Local UST texture.		0				0			3	2					2	sp	2	sp						3	sp			Phyllic	

114.00	162.00	QBFFHP	OTan to white Qtz+Bt+Fld+Hbl porphyry, 2-3mm subhedral white to green Fld strongly replaced by Clay+Ser, 3-4mm anhedral Qtz eyes, 1-2mm subhedral light grey to light brown Bt strongly altered to Clay+Ser, rare 1-2mm euhedral light brown Hbl altered to ser+clay in a light grey strongly silicified+sericitized and locally chloritized groundmass. Trace fine Py-Mo disseminations. Abundant Qtz±py veinlets stockwork, where two vein population are possible to note, 1-4cm wide and early 1mm wide. Qtz±Py±Mo-Mgt-Chl, Qtz±Mo±Py and rare Qtz±Pyr veinlets. Mo locally to 0.3%.	0	0	0	0	3	2	2	sp	2	sp	1	sp	3	sp	Phyllic					
162.00	189.00	QBFFHP	White to greenish Qtz+Bt+Fld+Hbl porphyry, 2-3mm subhedral white to green Fld strongly replaced by Clay+Ser, 3-4mm anhedral Qtz eyes, 1-2mm subhedral to anhedral light grey to light brown Bt strongly altered to Clay+Ser, rare 1-2mm euhedral light brown Hbl altered to ser+clay in a light grey strongly silicified, moderately chloritized and weakly sericitized groundmass. Trace fine Py-Mo disseminations. Intense Qtz, Qtz±py veinlets stockwork, where two vein population are possible to note, 1-4cm wide and early 1mm wide. Qtz±Py±Mo-Mgt-Chl, Qtz±Mo±Py and rare Qtz±Pyr and Qtz±Mo±Pyr veinlets. Mo locally to 0.3%.	0	0	0	4	1	2	sp	2	sp	3	sp	Phyllic								
189.00	193.00	QTZV	Light grey to white intense Quartz stockwork. At least 3 generation of veining possible to observe: Qtz, wispy Qtz and late Mo veinlets. Locally silicified QBFP fragments possible to observe. Mo locally 0.3%.	0	0	0	4	1	1	sp	4	vn	Silicification										
193.00	267.77	QBFFHP	White to greenish QBFP, 2-3mm subhedral white to green Fld strongly replaced by Clay+Ser, 3-4mm anhedral Qtz eyes, 1-2mm subhedral to anhedral light grey to light brown Bt strongly altered to Clay+Ser, rare 1-2mm euhedral light brown Hbl altered to ser+clay in a light grey strongly silicified, moderately chloritized and weakly sericitized groundmass. Locally Qtz veinlets associated to Kfld halos and 2-3mm black subhedral Bt. Trace fine Py-Mo disseminations. Intense Qtz, Qtz±py veinlets stockwork locally brecciated, where two vein population are possible to note, 1-4cm wide and early 1mm wide. Qtz±Mo±Py, Mo±Py and rare Qtz±Pyr and Qtz±Mo±Pyr veinlets. Mo locally 0.3%.	0	0	0	4	1	1	pat	2	sp	2	sp	1	vs	3	sp	Phyllic				
267.77	285.62	FGP	Black FGP, porphyritic texture, 1-2mm euhedral to subhedral white to green Fld phenocrysts in a fine black to brown Bt-Mgt groundmass. Locally the groundmass presents intense silicification+chloritization, and moderate sericitization. Intense Qtz stockwork, 1mm stringers and late 2-3cm wide Qtz veinlets, Qtz veinlets and stringers associated to Kf+Chl+Silicified selvages. Thin Qtz+Chl+Cb late stringers, rare Qtz-Mo, Cpy+Mt-Pyr veinlets and rare Qtz-Pyr stringers. Locally trace fine Pyr disseminations	0	0	0	3	2	2	per	2	sp	3	sp	2	vs	2	Sp	3	sp	1	vn	Propylitic
285.62	290.23	ANDS	Maroon Fld phyric Ands. 2-4mm subhedral white to green Fld altered to Ser+Chl. Locally 1-2mm anhedral black Bt and Hbl. Aphanitic strongly silicified groundmass. Presents moderate developed Qtz stockwork					1	2	2	sp	2	rep	3	sp	Phyllic							

290.23	301.00	FGP	Black FGP, porphyritic texture, 1-2mm euhedral to subhedral white to green Fld phenocrysts in a fine black to brown Bt-Mgt groundmass. Locally the groundmass presents intense silicification+chloritization, and moderate sericitization. Intense Qtz stockwork, 1mm stringers and late 2-3cm wide Qtz veinlets, Qtz veinlets and stringers associated to Kf+Chl+Silicified selvages. Thin Qtz+Chl+Cb late stringers, rare Qtz-Mo, Cpy+Mt-Pyr veinlets and rare Qtz-Pyr stringers. Locally trace fine Pyr disseminations						0	0	0	3			2	per	2	sp	3	sp			2	vs	1	Sp	3	sp	1	vn	Propylitic		
301.00	314.00	XLTF	Black XLTF, 1-2mm euhedral to subhedral white to green Fld crystal fragments in a fine black to brown Bt-Mgt matrix. Locally the matrix presents intense silicification+chloritization, and widespread moderate sericitization with minor clay. Sub rounded 4-5cm greenish to grey Fld phyrlic volcanic fragments altered to Ser+Clay. Qtz stockwork, 1mm stringers and late 2-3cm wide Qtz veinlets, Qtz veinlets and stringers associated to Kf+Chl+Silicified selvages. Thin Qtz+Chl+Cb late stringers, rare Qtz-Mo veinlets.								0	1	1			2	per	2	sp	3	sp			2	vs	2	sp	3	sp	1	vn	Propylitic	
314.00	319.33	QBFBHP	Tan to pink Qtz+Bt+Fld+Hbl porphyry. 3-4mm white to greenish moderately sericitized Fld, 2-3mm anhedral qtz eyes, 1-3mm subhedral to euhedral Bt and Hbl ghosts strongly altered to Ser. Aphanitic and strongly silicified groundmass. Locally Bt are preserved where patchy Kfld is present. Moderate development of Qtz-Mo stockwork.								0	< 1					2	sp	1	sp				2	pat		3	sp			Phyllic		
319.33	342.65	XLTF	Black XLTF, 1-2mm euhedral to subhedral white to green Fld crystal fragments in a fine black to brown Bt-Mgt-rich matrix. Matrix locally presents intense silicification+chloritization, and widespread moderate sericitization with minor clay. Sub rounded lapilli size maroon and greenish to grey Fld phyrlic volcanic fragments altered to Ser+Clay. Qtz stockwork, 1mm stringers and late 2-3cm wide Qtz veinlets are possible to observe. Qtz veinlets and stringers associated to Kf+Chl+Silicified selvages Mgt+Chl stringers are noted. Thin Qtz+Chl+Cb late stringers, rare Qtz-Mo veinlets are present.								0	1	1				2	per	2	sp	3	sp			2	vs	2	sp, v	3	sp	1	vn	Propylitic

Table 12: RC Drilling Detail Logs

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-001	0.0	3.0	TILL	20	70	BN	GY															Rounded fragments of mostly grey volcanics with minor clay with moderate organic material
LLRC-12-001	3.0	10.5	TILL	20	100	GY	BN															Rounded till of mostly med-grey to maroon volcanics with clay material. Rare pyrite with grey volcanics.
LLRC-12-001	10.5	12.0	TILL	30	100	GY	BK									PY	1.5					Dark black volcanic boulder; weakly magnetic; diss. pyrite throughout
LLRC-12-001	12.0	14.0	Till	20	100	GY	BN															Rounded gravel of mostly volcanics with minor glacial clay
LLRC-12-001	14.0	18.0	QFP	30	100	GY		Si	3	Ch	1					PY	0.1					Light grey medium-grained qtz+fs porphyry; xenoliths of maroon volcanics; silica+chlorite altered; trace disseminated pyrite
LLRC-12-002	0.0	3.0	TILL	20	70	BN																Well rounded fragments of mostly volcanics with glacial clay and organic material
LLRC-12-002	3.0	9.5	TILL	20	100	GY	BN															Well rounded fragments of mostly volcanics with glacial clay; little to no organics
LLRC-12-002	9.5	12.0	LST	30	100	GY	BK	CB	3													Dark grey, finely bedded limestone with cross-cutting thin carbonate veinlets (~15% veining); EOH
LLRC-12-003	0.0	4.5	TILL	20	80	BN																Well rounded fragments of mostly volcanics with glacial clay and organic material
LLRC-12-003	4.5	11.0	TILL	20	100	BN	GY															Rounded fragments of mostly volcanics and glacial clay; very gummy clays resulting in difficult and slow drilling; little to no organics
LLRC-12-003	11.0	15.0	BLFP	30	100	GY	GR	EP	3	MT	1	CB	1									Dark grey, bladed feldspar phytic coherent andesite; subhedral green-white fs up to 0.8 cm; patchy zones with strong x-cutting EP veinlets; rare CB veinlet; EOH
LLRC-12-004	0.0	3.0	TILL	20	70	BN																Rounded fragments of volcanics with glacial clay and organic material
LLRC-12-004	3.0	19.5	TILL	20	100	BN	GY															Rounded fragments of volcanics with glacial clay; little to no organics; excessive water at 15 m plugging up Bit; hole caving in; hole abandoned; artesian flow from hole; hole grouted to cap flow; EOH
LLRC-12-005	0.0	3.0	TILL	20	70	BN																Mostly rounded fragments of volcanics with organic material

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-005	3.0	27.0	TILL	30	100	BN	GY															Rounded fragments of volcanics with rare intrusives; large boulder of green volcanics @ 7 m; bad clays blocking casing and sample return; no air return; hole abandoned; EOH
LLRC-12-006	0.0	3.0	TILL	20	70	BN																Rounded fragments of mostly green and maroon volcanics with glacial clay and organic material
LLRC-12-006	3.0	30.0	TILL	20	100	BN	GY															Mostly rounded and subrounded fragments with some boulders of green and maroon volcanics; disseminated pyrite in green xstal lithic tuff boulders from 7.5-17.5 m; bad clays blocking casing and sample return; no air return; hole abandoned; EOH
LLRC-12-007	0.0	0.5	TILL	20	20	GY	BN															Thin till cover; gravels and subcrop with organics
LLRC-12-007	0.5	6.0	ANDS	30	50	GG		EP	4	CB	2	MT	2									Dark grey-green to maroon coherent andesite with common epidote veins; weakly magnetic with fine disseminated magnetic; rare carbonate veinlets
LLRC-12-008	0.0	1.5	TILL	20	30	BN																Brown till with angular to subangular coherent volcanic fragments with disseminated Py.
LLRC-12-008	1.5	7.5	TILL	20	100	BN																Brown till with angular to subangular coherent volcanic fragments with disseminated Py; reddish subround fragments from 4.5-6
LLRC-12-008	7.5	16.5	XLTF	30	100	GY		SE	2	SI	1	CH	1			PY	0.4					Fragmental volcanic rock; 1-2 mm subhedral Fs; lapilli size matrix; 10.5-13.5 m Qtz-Cb-py fragments; hematite dusting of feldspar
LLRC-12-009	0.0	16.5	TILL	20	90	BN																Rounded to sub-rounded maroon coherent volcanics; clasts with 1-2 mm subhedral fld; greenish fragmental rock with abundant jarosite from 9-10.5 m
LLRC-12-009	16.5	19.5	BLFP	25	90	GY		SE	2	MT	2						PY	0.3				2-3 mm subhedral to euhedral Fld in a dark grey groundmass. Rock is moderately magnetic. Contact between till and bedrock is where the water table is infiltrating; EOH
LLRC-12-010	0.0	1.5	TILL	10	20	MA																Organic material
LLRC-12-010	1.5	6.0	TILL	30	80	GY	BK															2-3 cm rounded fragments of maroon aphinitic volcanics; dark grey fine silt fragments and white felsic Fld phytic coherent volcanics
LLRC-12-010	6.0	10.5	TILL	20	90	BN	GY															2-3 cm rounded fragments of maroon aphinitic volcanics; dark grey fine silt fragments and white felsic Fld phytic coherent volcanics
LLRC-12-010	10.5	19.5	TILL	20	90	BN																2-3 cm rounded maroon feldspar phytic coherent volcanics (1-2 mm subhedral Fs); 2-3 cm rounded grey to white lapillia tuff

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-010	19.5	21.0	TILL	20	50	BN																2-3 cm rounded maroon feldspar phyrlic coherent volcanis (1-2 mm subhedral Fs); 2-3 cm rounded grey to white lapillia tuff
LLRC-12-010	21.0	25.5	TILL	10	90	BN																2-3 cm anular white felsic porphyry fragments, 1-2 mm subhedral FS
LLRC-12-010	25.5	29.5	QFP	50	90	GG		CY	1	SE	2					PY	0.1					Grey-green qtz+feldspar porphyry; 1-2 mm subhedral FS. Minor qtz veining; EOH
LLRC-12-011	0.0	1.5	TILL	5	40	BN																Organic material
LLRC-12-011	1.5	3.0	TILL	15	80	BN																Angular fragment to 3-5 cm of xstal tuff; moderate sericitic alteration; fine py dissmeninations
LLRC-12-011	3.0	12.0	TILL	15	90	BN																As previous + angular 1-3 cm maroon coherent volcanic 1-2 mm subhedral Fld + 2-3 cm angular crystal tuff moderately sericitized; disseminated fine pyrite; locally associated with carbonateds and minor disseminated cpy
LLRC-12-011	12.0	19.5	TILL	10	95	BN																Same maroon coherent volcanic as previous, same crystal tuff fragments as previous; moderate sericitized + silicified; overall fragments are more rounded and more fine material is present
LLRC-12-011	19.5	27.0	TILL	20	95	BN																Round 3-4 cm fragments o fmaroon to greenish coherent volcanic rock from aphanitic to porphyritic, 2-3 mm subhedral Fs, 2-3 cm fragmental volcanic rock clasts, greenish locly with fine py disseminations and bladed Fld porphyry fragments. Water table intersected.
LLRC-12-011	27.0	30.0	XLTF	50	95	GG		SE	2	SI	1					PY	0.3					Fragmental volcanic rock; 2-3 mm subhedral Fld, green-grey colour, fine disseminated pyrite; EOH
LLRC-12-012	0.0	1.5	TILL	15	50	BN																Angular fragments of maroon coherent volcanics 3-4 cm larege; aphanitic to porphyritic 1-2 mm subhedral Fld phenocrysts; greenish 2-4 cm crystal lapillia tuff fragments
LLRC-12-012	1.5	3.0	TILL	20	70	BN																Angular fragments of maroon coherent volcanics 3-4 cm larege; aphanitic to porphyritic 1-2 mm subhedral Fld phenocrysts; greenish 2-4 cm crystal lapillia tuff fragments
LLRC-12-012	3.0	9.0	TILL	20	90	GY																Angular fragments of maroon coherent volcanics 3-4 cm larege; aphanitic to porphyritic 1-2 mm subhedral Fld phenocrysts; greenish 2-4 cm crystal lapillia tuff fragments
LLRC-12-012	9.0	19.5	TILL	20	90	BN										PY	0.1					As previous , locally fined diss. pyrite in xstal lapilli tuff fragments; 2-3 cm feldspar porphyry fragments, 2-3 mm subhedral Fld; fragmetns of grey aphanitic volcanic

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-012	19.5	21.0	TILL	25	60	BN		SE	1	EP	2											As previous with 2-3 cm FGFP fragments, 1 mm euhedral Bt ₀₁₂ , 1 mm subhedral Fld, moderate sericite, XLTF begins to be moderately EP altered
LLRC-12-012	21.0	27.0	QFP	60	90	GY		SE	2	SI	2	KF	2			PY	1	Mo	0.1			3-4 CM chips of QFP, 1-2 mm anhedral Qtz eyes, 1-2 mm subhedral fld altered to sericited, 1-3 cm Qtz ⁺ -py ⁺ -cpy chips and Qtz ⁺ -mo ⁺ -cpy veinlets cutting QFP; EOH
LLRC-12-013	0.0	1.5	TILL	10	20	BN	BK															Organic material
LLRC-12-013	1.5	3.0	TILL	20	60	BN	BK	SE	2							PY	0.1					2-3 cm fragments of maroon coherent volcanic rock; aphanitic and porphyritic texture, 2-3 mm subhedral Fld, 2-3 cm fragmetns of xstal lapillic tuff, fine diss. py and sericite alteration of fragments
LLRC-12-013	3.0	7.5	TILL	30	80	GY	BN															2-3 cm fragments of maroon coherent volcanic rock; aphanitic and porphyritic texture, 2-3 mm subhedral Fld, 2-3 cm fragmetns of xstal lapillic tuff, fine diss. py and sericite alteration of fragments
LLRC-12-013	7.5	9.0	TILL	30	90	GY	BN	SE	2	EP	2					PY	0.5					2-3 cm fragments of maroon coherent volcanic rock; aphanitic and porphyritic texture, 2-3 mm subhedral Fld, 2-3 cm fragmetns of xstal lapillic tuff, fine diss. py and sericite ; alteration of fragments; increasing py and EP lateration in XLTF
LLRC-12-013	9.0	15.0	QBFP	70	90	TN		SE	2	SI	2	MT	1			JA	2					1-2 mm anhedral Qtz, 2-3 mm subhedral Fs altered to sericite, very fine 0.1 mm Bt ₀₁₃ , rock presents abundant clay. High amount of Goeth+jar. EOH
LLRC-12-014	0.0	1.5	TILL	20	30	BN	BK															Organic material
LLRC-12-014	1.5	13.5	TILL	50	90	BN		SE	2													1-4 cm maroon coherent volcanic fragments; aphanitic to porphyritic texture; 2-3 mm subhedral Fld; 3-4 cm greenish XLT, 2-3 mm subhedral Fld, sericitic alteration. Find diss. py
LLRC-12-014	13.5	18.0	QFP	70	90	WH		SI	4	SE	2					PY	1	CPY	0.5			Qtz+py ⁺ -Cpy. Finely diss. py+cpy. Strongly silicified QFP, 1-2 mm subhedral FS altered to Se
LLRC-12-015	0.0	1.5	TILL	5	20	BN																Organic material
LLRC-12-015	1.5	6.0	TILL	15	75	GG		SE	2	CH	2	EP	2									2-3 cm fragments of xstal lapilli tuff; grey-green altered to Ser+Chl+Ep; 2-3 mm fld altered to sericite; 2-4 cm maroon coherent volcanic rock, aphanitic to porphyritic, 1 mm subhedral Fld altered to sericite

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-015	6.0	9.0	ANDS	60	80	MA		SE	2	CH	2	EP	2			PY	0.1					Coherent maroon volcanic rock, aphanitic to porphyritic, 2-3 mm subhedral fld altered to sericite, fine diss. pyrite, locally altered to Ch+Ep, Goethite+jarosite fracture fill
LLRC-12-015	9.0	10.5	QBFP	80		TN		SE	3	SI	2					JA	2					1-2 mm subhedral fld (80%), 1-2 mm anhedral Qtz (20%); rock and fld are moderately replaced by sericite, fine 0.1 mm subhedral Bt. High Ja+Goe content, fine py and boxwork texture; EOH
LLRC-12-016	0.0	1.5	TILL	20	50	BN																2-5 cm fragments of maroon coherent volcanic, QFP and grey-black coherent volcanics
LLRC-12-016	1.5	3.0	ANDS	50	80	GY	BK	MT	2							GO	1					2-3 cm chips of grey-black coherent lava, porphyritic texture, 2-3 mm fld phenocrysts. Moderate goethite
LLRC-12-016	3.0	7.5	QFP	50	80	TN		SE	2	CY	2	SI	1			PY	0.3	CPY	0.1	Ma	0.1	2-3 mm subhedral fld altered to Sericite with hematite staining; 1-2 mm trace subhedral Qtz crystals, trace cpy+malachite; EOH
LLRC-12-017	0.0	1.5	TILL	20	30	MA	BN	CA	2	CH	2											3-4 cm chips of maroon porphyritic coherent volcanic, 2-3 mm subhedral fld, 1-3 mm subhedral to anhedral calcite crystals, chlorite replacing groundmass
LLRC-12-017	1.5	3.0	TILL	70	70	GY	BN															as previous but with brecciated texture with angular maroon, red and greenish aphanitic fragments
LLRC-12-017	3.0	7.5	BFP	80	70	GG	BK	SE	2	CB	2	MT	2			PY	1	CPY	1			0.5-1 mm subhedral FS altered to Se; disseminated Mt, Goe +Ja within fractures; carbonate within fracture and matrix; locally 0.5% 1 mm anhedral Hbl, 0.3 mm subhedral Bt. EOH
LLRC-12-018	0.0	1.5	TILL	10	40	BN																Organic material
LLRC-12-018	1.5	4.5	TILL	30	60	BN																3-4 cm fragments of maroon coherent volcanic rock, mostly aphanitic with grey fragments of sericite altered FGFP
LLRC-12-018	4.5	7.5	TILL	50	80	GY																3-4 cm fragments of maroon coherent volcanic rock, mostly aphanitic with grey fragments of sericite altered FGFP
LLRC-12-018	7.5	12.0	BFP	50	90	GG	BK	SE	2	MT	2	CA	1			PY	0.3	CPY	0.3			0.5 mm subhedral fld altered to Sericite, fine grained magnetite, jar+goe on fracture surfaces, fine 0.3 mm subhedral Bt. fine trace Py+CPY disseminations at 10.5- 12 m; qfp fragments observed (possibly cross-cutting BFP); sericite alteration of QFP, weakly magnetic and fine py+cpy disseminations
LLRC-12-019	0.0	1.5	TILL	10	25	BN																2-3 cm fragments of maroon coherent volcanic, 1-2 mm subhedral fld; greenish 2-3 cm crystal lithic tuff fragments, 2-3 mm subhedral fld moderately replaced by ser

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-019	1.5	3.0	TILL	10	50	BN																2-3 cm fragments of maroon coherent volcanic, 1-2 mm subhedral fld; greenish 2-3 cm crystal lithic tuff fragments, 2-3 mm subhedral fld moderately replaced by ser
LLRC-12-019	3.0	8.0	TILL	10	60	GY		SE	2	SI	2					PY	0.1					as previous + 2-3 cm fragments of silicified + sericite altered QFP with fine diss. py
LLRC-12-019	9.0	10.5	TILL	10	60	BN		CH	2	SE	2	SI	2			PY	0.1					as previous + fragments of maroon volcanic and xstal lithic tuff, minor porphyritic texture, 3-4 mm chlorite altered Fld
LLRC-12-019	10.5	16.5	BFP	60	80	GY		SE	3	KF	1	MG	1			PY	0.2	CPY	0.01	MO	0.01	2-4 cm chips of grey BFP, sericite replacing whole rock and Fld, moderate magnetite, 1-2 mm subhedral Fld, 0.3 mm subhedral to euhedral Btomite
LLRC-12-020	0.0	1.5	TILL	30	50	BN																Organic material
LLRC-12-020	1.5	6.0	TILL	40	80	BN	GY															2-3 cm fragments of maroon aphanitic coherent volcanic and greenish hxstal lithic tuff, 1 mm subhedral fld,
LLRC-12-020	6.0	9.0	BFP	80	85	GY	BK	SE	3		MT	2	KF	Cy	1	PY	0.2	CPY	0.01	MO	0.01	2-3 cm chips of BFP, 0.5 mm subhedral FLD, 0.5 mm subhedral Bt, sericited after Fld, 1-2 mm subhedral Mt, finely disseminated Py +CPY+MO; EOH
LLRC-12-021	0.0	1.5	TILL	40	50	BN	GY															2-3 cm fragment of maroon volcanics, aphanitic to porphyritic texture, 1-2 mm subhedral Fld, fragments of grey-green xstal lithic tuff
LLRC-12-021	1.5	7.5	TILL	60	80	GY	BN															2-3 cm fragment of maroon volcanics, aphanitic to porphyritic texture, 1-2 mm subhedral Fld, fragments of grey-green xstal lithic tuff
LLRC-12-021	7.5	12.0	TILL	80	80	BN	GY	SE	2	MT	1											2-3 cm fragment of maroon volcanics, aphanitic to porphyritic texture, 1-2 mm subhedral Fld, fragments of grey-green xstal lithic tuff; QFP fragments, sericite altered with moderate Goe; QBFHP fragments with 3-5 mm subhedral Fld altered to Se, 1-2 mm anhedral qtz, 2-3 mm subhedral re-crystallized Bt, 1-2 mm magnetite
LLRC-12-021	12.0	16.5	TILL	60	60	BN		SE	2							PY	0.01					2-3 cm fragment of maroon volcanics, aphanitic to porphyritic texture, 1-2 mm subhedral Fld, fragments of grey-green xstal lithic tuff; sericite altered fragments with fined diss. py
LLRC-12-021	16.5	21.0	QBFP	80	90	GY	BN	SE	3	MT	2	KF	1	EP	1	PY	0.1	CPY	0.01	MO	0.01	1-2 mm subhedral Fld altered to ser+/-ch, 1-2 mm rounded anhedral qtz, 0.1 mm subhedral Bt, moderate magnetite, fine diss Py+/-CPY+/-Mol, qtz+/-Bt stringers with Kf selvage

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-022	0.0	1.5	TILL	30	40	BN	GY															3-4 cm fragments of volcano-sedimentary rocks, fine grained, 1 mm Fld, red and green rounded lithic fragments; 3-4 cm maroon aphanitic coherent lava locally porphyritic, 1-2 mm subhedral Fld altered to Ser
LLRC-12-022	1.5	3.0	TILL	40	60	BN																3-4 cm fragments of volcano-sedimentary rocks, fine grained, 1 mm Fld, red and green rounded lithic fragments; 3-4 cm maroon aphanitic coherent lava locally porphyritic, 1-2 mm subhedral Fld altered to Ser
LLRC-12-022	3.0	7.5	ANDS	80	90	BK	GG	SE	3	CH	2	MT	2			PY	0.1	CPY	0.05	MO	0.05	Fine-grained black coherent volcanic lava, aphanitic to porphyritic 1-2 mm subhedral Fld altered to Se+Ch, moderately magnetic. Qtz+cb+py+/-cpy veinlets/fracture fill. Fine Py+/-Cpy+/-Mo disseminations
LLRC-12-023	0.0	1.5	TILL	40	50	BN																Organic material
LLRC-12-023	1.5	3.0	TILL	80	80	GY	BN		SE	2												Boulder of FGFP, 1 mm subhedral FS altered to sercite, rock altered to ser+/-ch
LLRC-12-023	3.0	4.5	TILL	80	80	GY	BN															Fragments of maroon coherent volcanics, altered to se+si, fine diss py
LLRC-12-023	4.5	10.5	QBFHP	80	90	GY	BN	SE	4	CH	3					PY	0.01	MO	0.01			3-4 mm subhedral to euhedral Fld, 1-2 mm euhedral Biotite altered to Se + M, all rock is Se altered, 2-3 mm anhedral gy qtz eyes (10%), 2-3 mm subhedral to euhedral hbl (10%), hematite after Fld, trace Py + Mo dissemination
LLRC-12-024	0.0	3.5	TILL	20	50	BN																Rounded to sub-rounded fragments of mostly volcanics with glacial clay, wet samples from surface
LLRC-12-024	3.5	7.5	QFP	30	70	GY		SI	3	SE	3					PY	0.5	CPY	0.1	MO	0.1	Light grey, strongly silicified + sercite altered Qtz+fs porphyry; common Qtz+mo+/-py veinlets, disseminate Mo throughout + rare diss and blebby Cpy, wet samples; EOH
LLRC-12-025	0.0	3.0	TILL		50	GY	BN															Overburden of intrusive and volcanics
LLRC-12-025	3.0	4.5	TILL		20	RD	WH	SE	1													Subrounded and irregular fragments of intrusives and volcanics
LLRC-12-025	4.5	7.5	TILL	60	50	BN		SI	2	CH	1					PY	1					Qtz+Fs porphyry. Moderately silica + sercite altered. Moderate goethite + jarosite. Diss. pyrite
LLRC-12-025	7.5	12.0	QBFP	80	80	GR		SE	2	SI	1	MT	1			PY	1					Green Qtz+ fs + Btt porphyry with moderate silicification; moderate epidote + chlorite. Pyrite veins and disseminations
LLRC-12-026	0.0	1.5	TILL	20	10	BN		SI	3							PY	0.1					Brown and black fragments of mostly qbfp with strong silicification

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-026	1.5	6.0	QBFP	20	70	Gy		SI	1	SE	1	MT	1			PY	0.5					Grey qtz+Bt+fs porphyry, moderate silicified. Trace epidote + weak sericite. Disseminated pyrite
LLRC-12-027	0.0	1.5	TILL		10	GR	BN															green and brown fragments of mostly volcanics, minor white intrusives, oxidized andesite fragments
LLRC-12-027	1.5	6.0	FGFP	10	90	GR		SE	2	MT	2	SI	1	CH	2	PY	3					Green andesite with fine-grained texture. Silicified + sericite +ep + ch altered. Fine diss subhedral Bt, diss. py
LLRC-12-028	0.0	13.5	TILL		100	RD	GR	SI	1													Red and green fragments of andesite and minor intrusive; andesite with qtz veining and diss py
LLRC-12-028	13.5	16.5	ANDS		100	GR		SE	2	MT	2	CH	1	EP	1	PY	3	CPY	0.1			Green fine-grained andesite; rare qtz veining; EOH
LLRC-12-029	0.0	4.5	TILL	20	30	BK	GR															Black and green fragments of volcanics and intrusives; silicified volcanics with diss. py
LLRC-12-029	4.5	9.0	ANDS	60	100	BK		SE	3	MT	2	CH	2	SI	1	PY	5	CPY	0.3			Black fine-grained andesite; weakly silicified with moderate chlorite+sericite alteration; disseminated and vein py + cpy; rare ch veinlets; EOH
LLRC-12-030	0.0	1.5	TILL	50	10	MA	BK															Maroon fragments of QBFP and minor volcanics
LLRC-12-030	1.5	7.5	QBFP	80	100	GR	MA	SI	3	SE	1					PY	3					Green and maroon qtz+Bt+fs porphyry, 1-2 mm fs, strongly silicified, silica after FS; disseminated py
LLRC-12-031	0.0	4.5	TILL		70	BK	GR															Black and green fragments of volcanics and minor intrusive, subrounded fragments of QFP;
LLRC-12-031	4.5	7.5	BFP		100	BK		SE	3	MT	2	CY	1	SI	1	PY	3	CPY	0.3			Black fine-grained BFP, strong sericite, minor diss CB, crystalline qtz veins <1mm, weak clays; diss. py+cpy; EOH
LLRC-12-032	0.0	27.0	TILL		90																	Black, green and white fragments of angular to subrounded volcanics and minor intrusives.
LLRC-12-032	27.0	31.5	ANDS	10	60	BK		MT	3	SE	2	SI	1	CY	1	PY	3	CPY	0.1			Black andesite; crystalline qtz veins 1-3 mm with diss. py. Diss py+cpy+mt; EOH
LLRC-12-033	0.0	16.5	TILL	0	80	GR	BN	SI	1													Green, brown and purple fragments of volcanics (mostly andesite) and minor intrusives.
LLRC-12-033	16.5	21.0	ANDS	20	90	BK		SE	2	CB	2	CH	1	SI	1	PY	3					Black andesite. Crystalline qtz vein with diss py, moderately sericitized; EOH
LLRC-12-034	0.0	9.0	TILL		60	BN																Green and brown fragments of volcanics and minor QFP. Subrounded fragments.

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-034	9.0	12.0	ANDS	20	100	GR		SE	2	CH	2	MT	1	CB	1	PY	6					Green fine-grained andesite; diss. and vein py; weakly magnetite; qtz+ch+py stringer veinlets; EOH
LLRC-12-035	0.0	4.5	TILL		30	BN	BK															Brown and black fragments of subrounded to angular volcanics; oxidized intrusive with diss pyrite
LLRC-12-035	4.5	7.5	QBFP	20	90	GR		SE	3	SI	1					PY	5	CPY	0.1			Grey qtz+Bt+fs porphyry, 0.5 mm euhedral Bt, strongly sericitized, diss and vein pyrite
LLRC-12-036	0.0	1.5	TILL		30	BK	GR															Black and green fragments of volcanic rocks and minor QFP. Andesite with disseminated py
LLRC-12-036	1.5	4.5	ANDS		90	BK		SE	2	MT	2	SI	1			PY	5	CPY	0.3			Black aphanitic andesite, weakly sericite+silica altered. Disseminated and veined py+cpy; EOH
LLRC-12-037	0.0	6.0	TILL																			Green and black subrounded to angular fragments of volcanics (andesite) and minor intrusives (QFP)
LLRC-12-037	6.0	0.0	QBFP	20	90	BK		SE	3	M	2							PY	7			1-2 mm anhedral qtz, 1 mm subhedral Fld, 1-2 mm anhedral Bt altered to ser + mt; whole rock intensely altered to sericite
LLRC-12-038	0.0	3.0	TILL		30	GR	BN															Green and brown subrounded fragments of volcanics with weak sericite and magnetite
LLRC-12-038	3.0	7.5	BFP	5	100	BK	GY	SE	3	MT	3	BT	2			PY	0.5					1-2 mm subhedral Bt, 0.5-1 mm subhedral Fs altered to Se. Whole rock altered to Se. Qtz stringers with Bt selvages
LLRC-12-039	0.0	15.0	TILL		90	GR	BK															Green and black fragments of volcanics and minor intrusives, subrounded,
LLRC-12-039	15.0	18.0	QFP	5	100	GY		SE	3	MT	1	BT	1	SI	1	PY	3					Grey qtz+fs porphyry, weakly silicified, strongly sericitized, crystalline qtz veins, minor Bt veinlets, diss py + mt
LLRC-12-040	0.0	30.0	TILL		80	GR	BK															Green, black and brown subrounded fragments of volcanics (andesite with porphyry and aphanitic textures), and minor QFP. Strong Se alteration of volcanics with diss py, Se+Ep alteration of intrusive fragments
LLRC-12-040	30.0	33.0	ANDS	10	90	BK		SE	3	CH	1					PY	5	MO	0.1			Black fine-grained porphyritic andesite with mo-st sericite. Diss. and vein py, qtz veins <1mm with biotite holes and trace Mo
LLRC-12-041	0.0	27.0	TILL		70																	Brown, red and black fragments of subrounded volcanics and minor intrusives.
LLRC-12-041	27.0	30.0	QBFP	40	100	GY	GR	SE	3	MT	1	SI	2			PY	1					Grey-green qtz+fs+bt porphyry with phenocrysts to 5 mm, 0.3 mm Bt; green colour of feldspar (?clay-sericite replaced); diss. py, minor qtz microveins

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-042	0.0	13.5	TILL																			Black and green fragments of qbfp and volcanics.
LLRC-12-042	13.5	16.5	QFP	70	100	WH		SE	3	KF	1	SI	1			PY	1	CPY	0.1	MO	0.5	White and yellow qtz+fs porphyry; strongly sericitized and moderately silicified. Weak potassic alteration as Kfld, diss. Mo+Cpy+py
LLRC-12-043	0.0	21.0	TILL		90	BK	BN															
LLRC-12-043	21.0	24.0	BFP	5	100	BK		SE	3	MT	2	SI	1	BT	1	MT	10	PY	3			Black fine grained feldspar+biotite porphyry, mod-strong sericite alteration; diss and veined mt + py
LLRC-12-044	0.0	25.5	TILL		90	GR																Green and purple fragments of subrounded andesite, rhyolite and QFP. Some volcanic fragments epidote altered.
LLRC-12-044	25.5	28.5	QFP	5	100	GY		SE	3	SI	1					PY	3					Grey and white qtz+fs porphyry with very strong sericite and weak silicification. Diss py
LLRC-12-045	0.0	18.0	TILL																			Black and purple fragments of subrounded volcanics and intrusives
LLRC-12-045	18.0	21.0	QFP	5	100	BK		SE	3	MT	2	KF	1			PY	2					Black and grey fine-grained qtz+fs porphyry. Strong sericite. Disseminated and veined py. Qtz veinlets with py.
LLRC-12-046	0.0	21.0	TILL		90																	Grey and green fragments of angular to subrounded volcanics with weak epidote and sericite. Rare qtz veins with pyrite.
LLRC-12-046	21.0	24.0	ANDS			GR		SE	2	CH	2	EP	1	MT	1	PY	0.1					Green fine-grained andesite. Disseminated pyrite
LLRC-12-047	0.0	7.5	TILL		90	BK	GR															Black and green fragments of subrounded to angular volcanics and minor intrusives.
LLRC-12-047	7.5	12.0	ANDS	10	100	GR		SE	2	EP	2	CH	2	MT	1							Green fine grained andesite with moderate epidote-chlorite; EOH
LLRC-12-048	0.0	4.5	TILL		90	BK																Black fragments of angular andesite and qbfp
LLRC-12-048	4.5	9.0	BFP		100	BK		SE	3	BT	2	MT	2			PY	2	CPY	0.3			Black fine grained bt+fs porphyry. Diss. and veined PY, diss CPY
LLRC-12-049	0.0	4.5	TILL		0																	no recovery
LLRC-12-049	4.5	12.0	QBFP	5	100	GR		EP	4	CH	4	SE	2	MT	1	PY	0.5	MT	0.5			Green fine grained qtz+bt+fs porphyry. Strong EP_CH. Diss. py+mt; EOH
LLRC-12-050	0.0	9.0	TILL		80	BK	GR															Black an green fragments of subroundd volcanics and intrusives. Rare diss. py.

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-050	9.0	12.0	QBFP	5	100	BK		SE	2	SI	1					PY	0.3					Black qtz+bt+fs porphyry, weak-mod sericite. Diss. pyrite. Mt after Bt; EOH
LLRC-12-051	0.0	18.0	TILL		90	GR																Green and red fragments of subrounded volcanics and intrusives; weak sericite and minor pyrite
LLRC-12-051	18.0	18.5	QBFP	5	70	GR		SE	3	MT	2	KF	1	SI	1	PY	0.5	MT	0.5			green fine-grained qtz+fs+bt porphyry, 0.1 mm anhedral Bt; diss py, white qtz veins <1mm with mm scal Kfd selvage; bad ground conditions
LLRC-12-052	0.0	7.5	TILL		90	GR	RD															Green and red fragments of subrounded volcanics and minor intrusives. Andesite fragments with weak sericite + epidote
LLRC-12-052	7.5	10.5	QBFP	1	100	GR		SE	3	MT	3	KF	1	SI	1	PY	0.5	CPY	0.1			Green qtz+fs+bt porphyry. 0.2 mm anhedral Bt, Moderately sericitized, weakly silicified, Diss py.
LLRC-12-053	0.0	4.5	BFP	1	100	GR	GY	SE	3	MT	3					CPY	0.1	MT	2			Green qtz+fs porphyry. ~2 mm anhedral to subhedral bt, mod sericite,
LLRC-12-054	0.0	1.5	TILL		70	GR	BN															Green and brown fragments of intrusives with moderate se+ch
LLRC-12-054	1.5	7.5	QBFP	5	100	GR	GY	SE	2	MT	2	SI	2			PY	0.1					Green and grey qtz+fs+bt porphyry, 0.1 mm subhedral bt, moderate sericite
LLRC-12-055	0.0	6.0	TILL			GR	BK															Green and black fragments of angular andesite and QFP
LLRC-12-055	6.0	9.0	QFP	20	100	BN		SI	3	SE	2											Brown qtz+fs porphyry with strong oxidation (?jarosite), crystalline qtz veins < 1mm; EOH
LLRC-12-056	0.0	16.5	TILL		100	GR	BK															Green and black fragments of andesite and minor qbfp. Some sericite+EP+CH altered fragments.
LLRC-12-056	16.5	19.5	ANDS		199	RD	GR	EP	2	CH	3	SE	1	MT	1	PY	0.1					Red and green andesite with moderate EP+CH. Hematite in matrix. White qtz veinlets; EOH
LLRC-12-057	0.0	6.0	TILL		90	GR																Green and red fragments of angular volcanics and minor intrusives. Andesite with weak sericite+chlorite
LLRC-12-057	6.0	10.5	ANDS		100	GR		EP	2	HE	1	SE	1									Green fine-grained andesite. Weak CH+EP and oxidation as hematite in matrix. Minor calcite and rare white qtz veinlets (<1mm); EOH
LLRC-12-058	0.0	16.5	TILL		100	GR	BK															Green and black fragments of subrounded to angular volcanics. Weak chlorite and diss. py.
LLRC-12-058	16.5	19.5	QBFP		100	GR		CH	3	EP	3	SE	2	MT	2							Green fine-grained andesite with strong chlorite and moderate epidote. Crystalline qtz veinlets (<1mm); EOH
LLRC-12-059	0.0	13.5	TILL		100	GR	MA															Undifferentiated volcanic rock, subrounded, some fragments with EP, occasional boulder

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
LLRC-12-059	13.5	16.5	ANDS	100	100	GR		SE	2	CH	1	MT	1			MT	1					Fine grained, CH after mafics, occasional qtz veinlet, magnetic
LLRC-12-059	16.5	18.0	ANDS	100	100	MA		SE	2	CH	1	MT	1			PY	1					Qtz eyes on grey matrix, moderate qtz veining, trace pyrite; EOH
LLRC-12-060	0.0	1.5	TILL		100	GY	BN															soil with some QFP fragments
LLRC-12-060	1.5	4.5	QFP	100	100	GR	YW	SI	2	CH	2	Se	1			PY	0.5					Greenish colour, weak chlorite with Fs phenocrysts, some mafic minerals
LLRC-12-060	4.5	6.0	XLTF	100	100	GR		SI	2	CH	2	Se	1			PY	1					Grey fragmental tuff, weak silica, occasional qtz veins: EOH
LLRC-12-061	0.0	30.0	TILL		100	GR	MA															Undifferentiated subrounded volcanics varying from green to maroon, rare boulders of greenish rock commonly with py
LLRC-12-061	30.0	34.0	XLTF	100	100	RD	PK	SE	2	SI	1	CH	1	HE	5							Reddish fine grained fragmental tuff with occasional small fragments of porphyritic texture; occasionally slickensides, strong oxidation coating on fractures (?near fault), occasional qtz vein; EOH
CORC-12-001	0.0	12.0	TILL		100	GR	RD															Green and red subrounded fragments of volcanic rock (andesite and tuf); some with quartz fragments and weak sericite.
CORC-12-001	12.0	21.0	SAND		100																	Brown quartz + biotite sand
CORC-12-001	21.0	49.5	TILL		100																	Green and red subrounded fragments of volcanic rock (andesite and tuf); some with quartz fragments and weak sericite.
CORC-12-001	49.5	57.0	SAND		100																	Brown sand
CORC-12-002	0.0	19.5	TILL		100	BN	GR															Brown and green fragments of subrounded andesite, QBFP + QFP. Andesite fragments are moderately magnetic, traces of chlorite+epidote. Intrusives are weakly oxidized
CORC-12-002	19.5	22.5	BFP		100	GR		CH	3	SE	2					PY	0.1					Green fine-grained biotite + Feldspar porphyry. Strong chlorite, moderate sericite, disseminated fine pyrite
CORC-12-003	0.0	21.0	TILL		100	GR	GY															Green and grey fragments of subrounded to angular andesite, BFP and lesser QFP. Volcanics are weakly sericite+magnetite altered, quartz veining in intrusives
CORC-12-003	21.0	24.0	ANDS		100	GR		CH	3	SE	1	CA	1			PY	0.1					Green, fine-grained andesite. Strong chlorite, weak sericite. Calcite veinlets with disseminated pyrite.

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
CORC-12-004	0.0	21.0	TILL		100																	Grey and greyy fragments of subrounded volcanics and minor intrusives. Rhyolite and andesite with weak sericite+carbonate, QFP is weakly silicified
CORC-12-004	21.0	24.0	RHYL		100	RD		HE	4	CA	1	SE	1									Red, fine-grained rhyolite. Hematite matrix, weak-mod sericite, weak calcite
CORC-12-005	0.0	39.0	TILL			GY	GR															Grey and green fragments of subrounded to angular andesite + BFP + rhyolite + breccia. Weak sericite, magnetite and carbonates. Weak oxidation. Difficult drilling - hole abandoned; EOH
CORC-12-006	0.0	24.0	TILL			GY	GR															Grey and green fragments of subrounded andesite, BFP and QFP. Rare pyrite. Andesite moderately sericite+magnetite altered.
CORC-12-006	24.0	25.5	ANDS	30	100	MA		SE	3	SI	1	MT	1			PY	0.1					Maroon aphanitic andesite; disseminated fine grained pyrite; white crystalline quartz stock work veinlets (<1 mm - 1 cm). EOH
CORC-12-007	0.0	54.0	TILL																			Grey and red fragments of subrounded to angular andesite, BFP, QFP. Weak silica+sericite+magnetite alteration of fragments
CORC-12-007	54.0	49.3	SAND																			Sand lens; large aquifer, rods getting stuck, broken head on drill, hole abandoned; EOH
CORC-12-008	0.0	25.0	TILL	30	90	BN																subrounded to rounded fragmetns of mostly marron to green volcanics and minor light green chlorite ?diorite (?topey intrusive); water at 21 m , wet sample from 21 m
CORC-12-008	25.0	28.5	VOLC	30	100	GR	MA	EP	4	CH	3	HE	2	MT	1							Maroon undifferentiated volcanic with pervasive banded epidote + chlorite replacement; texturally destructive alteration; very rare thin qtz veinlets; common hematite replacement; EOH
CORC-12-009	0.0	27.5	TILL	30	90	BN																subrounded to rounded fragments of maroon + green volcanics and minor grey-green intrusive; large boulder of silicified QFP with diss. py @ 14 m
CORC-12-009	27.5	31.5	VOLC	30	100	GR		CH	4	EP	3	SE	2	MT	1							Dark green intensely chloritized undifferentiated volcanic; patchy epidote alteration as veining and replacement, very rare qtz veinlets; weakly sericite altered; very weakly magnetic; EOH
CORC-12-010	0.0	33.0	TILL	30	90	BN																Mostly subrounded to rounded fragments of maroon volcanics + minor green volcanics; qtz+fs+mt+hbl boulder at 10 m ; water & wet samples from 15 m
CORC-12-010	33.0	39.0	VOLC	30	90	GR	WH	CH	2	LM	3						PY	0.1				Strongly weathered and bleached green to white undifferentiated volcanic; strong limonite fracture coating, local strong bleaching, chloirte after ?amphibole, trace diss. pyrite; ?fault zone?

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
CORC-12-010	39.0	42.0	ANDS	30	100	GR		QZ	2	CH	3	CB	2	MT	1	PY	0.1					Medium grey andesite to fine-grained intrusive; strongly chloritized (after mafics); trace diss pyrite; moderate qtz only veining; EOH
CORC-12-011	0.0	15.0	TILL	30	90	BN																Rounded and subrounded maroon and green volcanics and minor intrusives; water @ 15 m
CORC-12-011	15.0	19.5	BFP	40	100	GR	BK	MT	2	CH	2	EP	1	CB	1							Dark green to black FS+BI+HBL fine grained porphyry; spotty epidote, weakly to locally moderate magnetic; chlorite +?Sericitic veinlets
CORC-12-012	0.0	21.0	TILL	30	90	BN																Subrounded to rounded fragments of maroon to green volcanics; casing shoe sheared off at 14 m - pull out, replace and continued drilling
CORC-12-012	21.0	25.5	TILL	30	100	BN	GY															Till as previous with less clay; unconsolidated sandy/gravel interbeds
CORC-12-012	25.5	36.0	TILL	30	100																	Subrounded fragmetns of dark green volcanics
CORC-12-012	36.0	37.5	XLTF	40	90	GY	GR	CY	3	CH	1					PY	1					Bedrock zone with some bleached weak clay; weak chlorite, stron gwhite qtz veinlets
CORC-12-012	37.5	40.5	XLTF	40	80	GY	GR	SE	2	SI	2						PY	1				XLTF; silica + sericite altered; minor "hairline" qtz veinlets; EOH
CORC-12-013	0.0	9.0	TILL		100	MA	GR															Till with some fragmetns of andesite; minor clay
CORC-12-013	9.0	12.0	ANDS	30	100	GR	GY	SE	2	CH	1	SI	1	CB	1	PY	1	CPY	0.01			Some greenshi andesite with weak silicate; qtz veinltes with occasional py and trace cpy; mod ch+se alteration; rare carbonate veinltes; EOH
CORC-12-014	0.0	1.5	TILL		100	GR																Overburden
CORC-12-014	1.5	3.0	ANDS		100	GR	BN	CH	2	SE	1	SI	1	GO	1							Green colour fine-grained andesite with qtz veinlets with oxidies (goetite) restricted to qtz veinlets; Go after py; EOH
CORC-12-015	0.0	9.0	TILL		100	GR	MA															Green to maroon fragments of undifferentiated volcanics; occasiona qtz vein; rare intrusive fragments
CORC-12-015	9.0	12.0	QBFP		100	GR		CH	2	MT	2	SE	1									Bi+fs+qtz porphyry; porphyritic texture with FS phenocrysts; mt after mafics
CORC-12-016	0.0	4.5	ANDS		100	BN	GR	SI	1	SE	1	CH	1	MT	1	PY	1					Dark andesite with qtz+py veinlets; weakly silicified, weakly oxidized (GO); go after Py
CORC-12-017	0.0	7.5	TILL		100	GR	BN															Fragments of undifferentiated green to maroon volcanics
CORC-12-017	7.5	9.0	FGP		100	GY	GR	CH	3	EP	2											Fine-grained intrusive porphyry; CH-EP altered; weak trace qtz veinlets

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
CORC-12-017	9.0	10.5	FGP		100	BK	GR	CH	3	CP	2	SI	2			PY	1					Contact zone between fine-grained intrusive and dark coloured andesite with py veinlets and some qtz veinlets
CORC-12-017	10.5	12.0	ANDS		100	BK		SI	2							PY	3					Dark colour andesite with strong py veinlets; minor qtz veinlets, weak silicification
CORC-12-018	0.0	3.0	TILL		100	BN	GR															Till; boulder of undifferentiated volcanic at 15 m
CORC-12-018	3.0	6.0	XLTF		100	BN	GR	SI	1	CH	1											XLTF with strong oxidation; (go>he) on fractures; Some chlorite; occasionally hematite stained on qtz veins
CORC-12-018	6.0	7.5	XLTF		100	GR	BN	SI	1	CH	1					GO	2					Bottom of oxidation; increasing qtz veinlets down hole; some silicification
MORC-12-001	0.0	16.5	TILL		100	GR	MA															Till cover of undifferentiated subrounded volcanics varying from green to maroon
MORC-12-001	16.5	24.0	SAND		100	GR	GY															Well rounded gravel with undifferentiated volcanics and minor sandy horizons; occasional grey volcanics altered to ser with diss py
MORC-12-001	24.0	28.5	XLTF		100	GR	GY	CH	1	CY	1					PY	0.2	CPY	0.1			Poorly sorted sandstone-conglomerate (fanglomerate); gray with sandy matrix; lithic + qtz + ?augite fragments
MORC-12-001	28.5	30.0	QFP		60	GY		CH	1	CY	1											Contact zone with QFP (Babine intrusive?) with fresh flow texture; weakly altered; qtz eyes, fractured zone; EOH
MORC-12-002	0.0	16.5	TILL		100	GY	MA															Till cover with undifferentiated volcanic fragment;
MORC-12-002	16.5	25.5	SAND		100	GR	GY															Well rounded gravel with grey-green fragments o; some with qtz veinlets with occasional diss. py
MORC-12-002	25.5	28.5	SAND		100	OR	GY															Sandy horizon, minor ?jarosite oxidation;
MORC-12-002	28.5	37.5	XLTF		90	GR	GY	CY	4	CH	2											Highly altered fragmental tuff; pervasive clay alteration
MORC-12-003	0.0	24.0	TILL		100	GY	GR															Till with undifferentiated fragments of volcanics; varying from grey-green-maroon clour; subrounded with occasional boulder; some fragments altered to silica with qtz veinlets and occasional py
MORC-12-003	24.0	30.0	SAND		100	GY	GR															Sandy/Gravel horizon with fragments of undifferentiated volcanics; well rounded fragments
MORC-12-003	30.0	34.0	XLTF		100	BN	GR	CY	3	CH	2	SE	1			JA	2					Fragmental tuff with pale=green and orange colours; clay-chloirite alteration with minor sericite; oxides (limonite+goe_ on fractures (close to fault); moderate silica

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
MORC-12-003	34.0	36.0	QFP		100	BN	GY	SE	2	CY	2	SI	2			JA	2	PY	0.1			Orange-brown coloured dyke with qtz_ser alteration; minor qtz+ca+py hairline veinlets; porphyritic texture with 40% oxidation as jarosite along fracture; trace pyrite'
MORC-12-004	0.0	25.5	TILL		100	GR	BK															Fragments of undifferentiated green to black volcanics
MORC-12-004	25.5	31.5	TILL		100	GR	GY															Gravel/sandy horizon with fragments of well rounded grey-maroon-green clour
MORC-12-004	31.5	33.0	XLTF		80	GY	WH	CY	3	Si	1	SE	1			PY	0.1					Lithic tuff with strong clay alteratio with silicified fragmetns; occasional fragment with ca veinlets; clay zone is variable; fragments with qtz+ca veinlets; moderate silica and chlorite after mafics
MORC-12-004	33.0	34.5	QFP		80	WH	GR	CY	3	SI	1	CH	1									Bleached porphyritic rock with silica+clay alt, calcite on fracture; EOH
MORC-12-005	0.0	16.5	TILL		100	GR	GY															Fragments of undifferentiated green to grey volcanics
MORC-12-005	16.5	31.5	SAND		90	GR	GY															Sandy gravel horizon with fragments of well rounded green-grey-maroon volcanics; occasional qtz veinlets; sand caving in hole - difficult drilling
MORC-12-005	31.5	33.0	XLTF		100	GY	GR	CY	4	CH	1	Si	1									Fragmental tuff with pervasive clay alteration mainly in matrix; fragments of dacitic composition with qtz eyes; some fracture with go coating
MORC-12-005	33.0	34.5	QFP		80	GY	BN	SE	3	SI	2	CH	1			PY	1					Porphyritic rock with strong sericite alteration with hematite after pyrite
MORC-12-006	0.0	18.0	TILL		100	GR	GY															Fragments of undifferentiated green-grey-maroon volcanics
MORC-12-006	18.0	19.5	SAND	40	100	GR	GY															Sand horizon at interface with bedrock
MORC-12-006	19.5	24.0	XLTF	50	100	GR	WH	CY	4	CH	1	SI	1									Fragmental tuff with pervasive clay alteration; silicification of some fragments; green matrix altered to clay; sandy texture of matrix; weak chlorite alteration
MORC-12-007	0.0	13.5	TILL		100	GY	GR															Fragments of undifferentiated green-grey-maroon volcanics
MORC-12-007	13.5	18.0	SAND	50	90	GY	GR															Sand gravel horizon with fine grained, well rounde
MORC-12-007	18.0	24.0	XLTF	40	100	GY	WH			CY	3	CH	2									Fragmental tuff with pervasive clay alteration; few lithics preserved with sandy texture with qtz eyes; weak chlorite alteration

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
MORC-12-008	0.0	18.0	TILL		100	GR	GY															Till cover of undifferentiated fragments of volcanics, varying from green-grey-maroon colour; some fragments with silica alteration, qtz veinlets and py
MORC-12-008	18.0	22.5	SAND		80	BK	GY															Sand-gravel horizon with well rounded pebbles
MORC-12-008	22.5	27.0	XLTF		100	GR		CH	2	CY	2	SI	1									Fragmental tuff with subrounded sandy matrix; moderate chlorite-clay alteration; light green colour; weak silicification of fragments
MORC-12-009	0.0	18.0	TILL		100	GR	GY															Till cover of undifferentiated fragments of volcanics, varying from green-grey-maroon colour; some fragments with silica alteration, qtz veinlets and py
MORC-12-009	18.0	37.5	SAND		100	GR	GY															Sand-gravel horizon with well rounded pebbles of volcanics
MORC-12-009	37.5	43.5	XLTF		100	GY	BK	CY	1	CH	1											Fragmental tuff with fine grained mafics in sandy matrix; gouge in ?fault zone; fragments vary from porphyritic rock to dark colour fragments (Newman volcanics)
MORC-12-010	0.0	31.5	TILL		100	GR	GY															Till cover of undifferentiated fragments of volcanics, varying from green-grey-black colour; some fragments with silica alteration, qtz veinlets and py
MORC-12-010	31.5	42.0	CLAY	0	90	BN																Clay horizon with brown color; minor lithic fragments
MORC-12-010	42.0	46.5	SAND		100	GY	BK															Sand-gravel horizon with well rounded pebbles of undifferentiated fragments of volcanics, some with diss. py
MORC-12-010	46.5	63.0	SAND	0	20	GY																Clay-sand horizon, grey colour, ?sulfide floating
MORC-12-010	63.0	66.0	CLAY	0	30	BN																Brown coloured clay; hole tightening on casing, hole abandoned, no bedrock encountered
MORC-12-011	0.0	19.0	TILL		100	GR	BN															Till cover of undifferentiated green to maroon volcanics
MORC-12-011	19.0	31.5	CLAY	10	80	BN																Clay horizon with brown colour, scattered fragments; ?lacustrine environment
MORC-12-011	31.5	40.5	SAND	80	100	BN																Gravel horizon with subrounded fragmgnet of undifferentiated volcanics
MORC-12-011	40.5	72.0	CLAY	0	100																	Grey clay with minor sand with rare lithic fragments; ?lacustrine sequence

Hole ID	From	To	Lithology	Coarse %	Recovery %	Colr1	Colr2	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Min1	%	Min2	%	Min3	%	Comment
MORC-12-012	0.0	9.0	TILL		100	BK	GR															Till cover of undifferentiated green to maroon volcanics
MORC-12-012	9.0	13.5	SAND		100	BK	GR															Sand gravel horizon with some well rounded fragments of undifferentiated volcanics
MORC-12-012	13.5	19.5	XLTF		100	GY	GR	CY	2	Ch	1											Grey-green colour fragmental tuff with sandy texture matrix; abundant fine grained mafics (hbl+/-bi); fragments <1 cm large; chlorite + clay (smectite?) alteration; (Newman Volcanics); EOH
MORC-12-013	0.0	24.0	TILL		100	BK	MA															Till cover of subrounded undifferentiated volcanics;
MORC-12-013	24.0	28.5	SAND		100	GR	BK															Sand-gravel horizon with well rounded fragments
MORC-12-013	28.5	30.0	XLTF		100	GR	GY	SI	2	CH	3	SE	1			PY	0.1					Fragmental tuff cross-cut by intrusive; chlorite+silica altered; rare qtz veinlets (5 mm width); weak zones of breccia silica-py; contact zone between fragmental tuff and porphyritic rock weakly altered;
MORC-12-013	30.0	33.0	QFP		100	GR	GY	SI	3	SE	2	CH	1			PY	0.7					QFP with silica-sericite alteration; minor Jarosite+goethite coating; rare hematite after pyrite; moderate qtz veining;
MORC-12-013	33.0	34.5	XLTF		100	GR	GY	CH	3	SI	2	CY	2			PY	0.3					Fragmental tuff with chlorite+silica alteration; fragments with silica+py, weak clay alteration; some fragments are subrounded (Newman Volcanics)
MORC-12-014	0.0	10.5	TILL		100	BK	BN															Till cover of subrounded undifferentiated volcanics;
MORC-12-014	10.5	18.0	SAND		100	GY	BK															Grey fine-grained sand with moderate clay; occasion andesite fragments; gravel horizon at 13.5-15 m
MORC-12-014	18.0	30.0	SAND	25	100	BN																Brown fine-grained sand with minor clay; EOH

Appendix 8: Diamond Drilling Sample List

Table 13: Diamond Drill Assay Intervals

Sample ID	Hole ID	From	To	Interval	QC Sample
A00307001	LLDH-12-001	4.5	6	1.5	
A00307002	LLDH-12-001	6	9	3	
A00307003	LLDH-12-001	9	12	3	
A00307004	LLDH-12-001	12	15	3	
A00307005	LLDH-12-001				CM-16
A00307006	LLDH-12-001	15	16.37	1.37	
A00307007	LLDH-12-001	16.37	18	1.63	
A00307008	LLDH-12-001	18	19.28	1.28	
A00307009	LLDH-12-001	19.28	20.6	1.32	
A00307010	LLDH-12-001				Blank
A00307011	LLDH-12-001	20.6	21.46	0.86	
A00307012	LLDH-12-001	21.46	24	2.54	
A00307013	LLDH-12-001	24	27	3	
A00307014	LLDH-12-001	27	30	3	
A00307015	LLDH-12-001	30	32.84	2.84	
A00307016	LLDH-12-001	32.84	36	3.16	
A00307017	LLDH-12-001				Half core duplicate of previous
A00307018	LLDH-12-001	36	39	3	
A00307019	LLDH-12-001	39	39.85	0.85	
A00307020	LLDH-12-001	40.1	42.03	1.93	
A00307021	LLDH-12-001	42.03	45	2.97	
A00307022	LLDH-12-001	45	46.16	1.16	
A00307023	LLDH-12-001	46.16	48	1.84	
A00307024	LLDH-12-001	48	51	3	
A00307025	LLDH-12-001	51	54	3	
A00307026	LLDH-12-001				CM-16
A00307027	LLDH-12-001	54	57	3	
A00307028	LLDH-12-001	57	60	3	
A00307029	LLDH-12-001	60	61.2	1.2	
A00307030	LLDH-12-001	61.3	63	1.7	
A00307031	LLDH-12-001	63	66	3	
A00307032	LLDH-12-001	66	69	3	
A00307033	LLDH-12-001				Blank
A00307034	LLDH-12-001	69	72	3	
A00307035	LLDH-12-001	72	73.03	1.03	
A00307036	LLDH-12-001	73.03	75	1.97	
A00307037	LLDH-12-001				CM-16
A00307038	LLDH-12-001	75	78	3	

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307039	LLDH-12-001	78	81	3	
A00307040	LLDH-12-001	81	84	3	
A00307041	LLDH-12-001	84	87.3	3.3	
A00307042	LLDH-12-001	87.3	90	2.7	
A00307043	LLDH-12-001				Half core duplicate of previous
A00307044	LLDH-12-001	90	93	3	
A00307045	LLDH-12-001	93	96	3	
A00307046	LLDH-12-001	96	98.73	2.73	
A00307047	LLDH-12-001	98.73	102	3.27	
A00307048	LLDH-12-001				Blank
A00307049	LLDH-12-001	102	105	3	
A00307050	LLDH-12-001	105	108	3	
A00307051	LLDH-12-001	108	111	3	
A00307052	LLDH-12-001	111	114	3	
A00307053	LLDH-12-001	114	117	3	
A00307054	LLDH-12-001				Half core duplicate of previous
A00307055	LLDH-12-001	117	118	1	
A00307056	LLDH-12-001	118	119	1	
A00307057	LLDH-12-001	119	120	1	
A00307058	LLDH-12-001				CM-21
A00307059	LLDH-12-001	120	121	1	
A00307060	LLDH-12-001	121	122	1	
A00307061	LLDH-12-001	122	123	1	
A00307062	LLDH-12-001	123	124	1	
A00307063	LLDH-12-001	124	125	1	
A00307064	LLDH-12-001	125	126	1	
A00307065	LLDH-12-001	126	127	1	
A00307066	LLDH-12-001	127	128	1	
A00307067	LLDH-12-001				Half core duplicate of previous
A00307068	LLDH-12-001	128	129	1	
A00307069	LLDH-12-001	129	130	1	
A00307070	LLDH-12-001				Blank
A00307071	LLDH-12-001	130	131.62	1.62	
A00307072	LLDH-12-001	131.62	132	0.38	
A00307073	LLDH-12-001	132	135	3	
A00307074	LLDH-12-001	135	138	3	
A00307075	LLDH-12-001	138.00	141.00	3.00	
A00307076	LLDH-12-001	141.00	144.00	3.00	
A00307077	LLDH-12-001	144.00	147.00	3.00	
A00307078	LLDH-12-001				Blank

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307079	LLDH-12-001	147.00	150.00	3.00	
A00307080	LLDH-12-001	150.00	153.00	3.00	
A00307081	LLDH-12-001	153.00	156.00	3.00	
A00307082	LLDH-12-001	156.00	159.00	3.00	
A00307083	LLDH-12-001				Half core duplicate of previous
A00307084	LLDH-12-001	159.00	162.00	3.00	
A00307085	LLDH-12-001	162.00	165.00	3.00	
A00307086	LLDH-12-001	165.00	168.00	3.00	
A00307087	LLDH-12-001	168.00	171.00	3.00	
A00307088	LLDH-12-001	171.00	174.00	3.00	
A00307089	LLDH-12-001	174.00	177.00	3.00	
A00307090	LLDH-12-001	177.00	178.00	1.00	
A00307091	LLDH-12-001				CM-21
A00307092	LLDH-12-001	178.00	179.00	1.00	
A00307093	LLDH-12-001	179.00	180.00	1.00	
A00307094	LLDH-12-001	180.00	181.00	1.00	
A00307095	LLDH-12-001				Blank
A00307096	LLDH-12-001	181.00	182.00	1.00	
A00307097	LLDH-12-001	182.00	183.00	1.00	
A00307098	LLDH-12-001	183.00	184.00	1.00	
A00307099	LLDH-12-001				Half core duplicate of previous
A00307100	LLDH-12-001	184.00	185.00	1.00	
A00307101	LLDH-12-001	185.00	186.10	1.10	
A00307102	LLDH-12-001	186.10	189.00	2.90	
A00307103	LLDH-12-001				CM-16
A00307104	LLDH-12-001	189.00	192.00	3.00	
A00307105	LLDH-12-001	192.00	195.00	3.00	
A00307106	LLDH-12-001	195.00	196.25	1.25	
A00307107	LLDH-12-001	196.25	198.00	1.75	
A00307108	LLDH-12-001	198.00	199.00	1.00	
A00307109	LLDH-12-001	199.00	200.00	1.00	
A00307110	LLDH-12-001	200.00	201.00	1.00	
A00307111	LLDH-12-001				Blank
A00307112	LLDH-12-001	201.00	202.00	1.00	
A00307113	LLDH-12-001	202.00	203.00	1.00	
A00307114	LLDH-12-001	203.00	204.00	1.00	
A00307115	LLDH-12-001	204.00	205.00	1.00	
A00307116	LLDH-12-001	205.00	206.00	1.00	
A00307117	LLDH-12-001	206.00	207.00	1.00	
A00307118	LLDH-12-001				CM-16

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307119	LLDH-12-001	207.00	210.00	3.00	
A00307120	LLDH-12-001	210.00	213.00	3.00	
A00307121	LLDH-12-001	213.00	216.00	3.00	
A00307122	LLDH-12-001	216.00	219.00	3.00	
A00307123	LLDH-12-001	219.00	222.00	3.00	
A00307124	LLDH-12-001	222.00	225.00	3.00	
A00307125	LLDH-12-001	225.00	228.00	3.00	
A00307126	LLDH-12-001	228.00	231.00	3.00	
A00307127	LLDH-12-001				Half core duplicate of previous
A00307128	LLDH-12-001	231.00	234.00	3.00	
A00307129	LLDH-12-001	234.00	235.39	1.39	
A00307130	LLDH-12-001	235.38	237.00	1.62	
A00307131	LLDH-12-001	237.00	238.00	1.00	
A00307132	LLDH-12-001				Blank
A00307133	LLDH-12-001	238.00	239.00	1.00	
A00307134	LLDH-12-001	239.00	240.00	1.00	
A00307135	LLDH-12-001	240.00	241.00	1.00	
A00307136	LLDH-12-001	241.00	242.00	1.00	
A00307137	LLDH-12-001	242.00	243.00	1.00	
A00307138	LLDH-12-001				CM-21
A00307139	LLDH-12-001	243.00	244.00	1.00	
A00307140	LLDH-12-001	244.00	245.00	1.00	
A00307141	LLDH-12-001	245.00	246.00	1.00	
A00307142	LLDH-12-001	246.00	247.00	1.00	
A00307143	LLDH-12-001	247.00	248.00	1.00	
A00307144	LLDH-12-001	248.00	249.00	1.00	
A00307145	LLDH-12-001				Half core duplicate of previous
A00307146	LLDH-12-001	249.00	250.00	1.00	
A00307147	LLDH-12-001	250.00	251.00	1.00	
A00307148	LLDH-12-001	251.00	252.00	1.00	
A00307149	LLDH-12-001	252.00	253.35	1.35	
A00307150	LLDH-12-001	253.35	255.00	1.65	
A00307151	LLDH-12-001				CM-21
A00307152	LLDH-12-001	255.00	258.00	3.00	
A00307153	LLDH-12-001	258.00	260.20	2.20	
A00307154	LLDH-12-001	260.20	261.00	0.80	
A00307155	LLDH-12-001				Blank
A00307156	LLDH-12-001	261.00	264.00	3.00	
A00307157	LLDH-12-001	264.00	267.00	3.00	
A00307158	LLDH-12-001	267.00	270.00	3.00	

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307159	LLDH-12-001	270.00	271.70	1.70	
A00307160	LLDH-12-001				Half Core Duplicate of Previous
A00307161	LLDH-12-001	271.70	273.00	1.30	
A00307162	LLDH-12-001	273.00	276.00	3.00	
A00307163	LLDH-12-001	276.00	277.00	1.00	
A00307164	LLDH-12-001				CM-16
A00307165	LLDH-12-001	277.00	279.00	2.00	
A00307166	LLDH-12-001	279.00	282.00	3.00	
A00307167	LLDH-12-001	282.00	285.00	3.00	
A00307168	LLDH-12-001	285.00	288.00	3.00	
A00307169	LLDH-12-001	288.00	291.00	3.00	
A00307170	LLDH-12-001	291.00	292.00	1.00	
A00307171	LLDH-12-001				Blank
A00307172	LLDH-12-001	292.00	294.00	2.00	
A00307173	LLDH-12-001	294.00	297.00	3.00	
A00307174	LLDH-12-001	297.00	300.00	3.00	
A00307175	LLDH-12-001	300.00	301.72	1.72	
A00307176	LLDH-12-001	301.72	303.00	1.28	
A00307177	LLDH-12-001	303.00	306.00	3.00	
A00307178	LLDH-12-001	306	309	3.00	
A00307179	LLDH-12-001	309.00	310.00	1.00	
A00307180	LLDH-12-001	310.00	312.00	2.00	
A00307181	LLDH-12-001				Half Core Duplicate of Previous
A00307182	LLDH-12-001	312.00	315.00	3.00	
A00307183	LLDH-12-001	315.00	318.00	3.00	
A00307184	LLDH-12-001	318.00	321.00	3.00	
A00307185	LLDH-12-001	321.00	324.00	3.00	
A00307186	LLDH-12-001				CM-16
A00307187	LLDH-12-001	324.00	327.00	3.00	
A00307188	LLDH-12-001	327.00	330.00	3.00	
A00307189	LLDH-12-001	330.00	331.10	1.10	
A00307190	LLDH-12-001	331.10	333.00	1.90	
A00307191	LLDH-12-001	333.00	334.35	1.35	
A00307192	LLDH-12-001	334.35	336.00	1.65	
A00307193	LLDH-12-001				Blank
A00307194	LLDH-12-001	336.00	339.00	3.00	
A00307195	LLDH-12-001	339.00	342.00	3.00	
A00307196	LLDH-12-001	342.00	345.00	3.00	
A00307197	LLDH-12-001	345.00	348.00	3.00	
A00307198	LLDH-12-001	348.00	350.40	2.40	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307199	LLDH-12-002	4.50	6.00	1.50	
A00307200	LLDH-12-002	6.00	9.00	3.00	
A00307201	LLDH-12-002	9.00	12.00	3.00	
A00307202	LLDH-12-002			0.00	Half Core Duplicate of Previous
A00307203	LLDH-12-002	12.00	15.00	3.00	
A00307204	LLDH-12-002	15.00	18.00	3.00	
A00307205	LLDH-12-002	18.00	21.00	3.00	
A00307206	LLDH-12-002	21.00	24.00	3.00	
A00307207	LLDH-12-002			0.00	CM-16
A00307208	LLDH-12-002	24.00	27.00	3.00	
A00307209	LLDH-12-002	27.00	30.00	3.00	
A00307210	LLDH-12-002	30.00	33.00	3.00	
A00307211	LLDH-12-002			0.00	Blank
A00307212	LLDH-12-002	33.00	36.00	3.00	
A00307213	LLDH-12-002	36	39	3.00	
A00307214	LLDH-12-002	39.00	42.00	3.00	
A00307215	LLDH-12-002	42.00	45.00	3.00	
A00307216	LLDH-12-002	45.00	48.00	3.00	
A00307217	LLDH-12-002			0.00	Half Core Duplicate of Previous
A00307218	LLDH-12-002	48.00	51.00	3.00	
A00307219	LLDH-12-002	51.00	54.00	3.00	
A00307220	LLDH-12-002	54	57	3.00	
A00307221	LLDH-12-002	57	60	3.00	
A00307222	LLDH-12-002	60	63	3.00	
A00307223	LLDH-12-002	63.00	66.00	3.00	
A00307224	LLDH-12-002	66.00	69.00	3.00	
A00307225	LLDH-12-002	69.00	72.00	3.00	
A00307226	LLDH-12-002				Blank
A00307227	LLDH-12-002	72.00	75.00	3.00	
A00307228	LLDH-12-002	75.00	78.00	3.00	
A00307229	LLDH-12-002	78.00	81.00	3.00	
A00307230	LLDH-12-002	81.00	84.00	3.00	
A00307231	LLDH-12-002				Half Core duplicate of previous
A00307232	LLDH-12-002	84.00	87.00	3.00	
A00307233	LLDH-12-002	87.00	90.00	3.00	
A00307234	LLDH-12-002	90.00	93.00	3.00	
A00307235	LLDH-12-002	93.00	96.00	3.00	
A00307236	LLDH-12-002	96.00	99.00	3.00	
A00307237	LLDH-12-002				CM-16
A00307238	LLDH-12-002	99.00	102.00	3.00	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307239	LLDH-12-002	102.00	105.00	3.00	
A00307240	LLDH-12-002	105.00	108.00	3.00	
A00307241	LLDH-12-002	108.00	111.00	3.00	
A00307242	LLDH-12-002	111.00	114.00	3.00	
A00307243	LLDH-12-002	114.00	117.00	3.00	
A00307244	LLDH-12-002	117.00	120.00	3.00	
A00307245	LLDH-12-002				Half Core duplicate of previous
A00307246	LLDH-12-002	120.00	123.66	3.66	
A00307247	LLDH-12-002	123.66	125.00	1.34	
A00307248	LLDH-12-002	125.00	126.00	1.00	
A00307249	LLDH-12-002	126.00	127.00	1.00	
A00307250	LLDH-12-002	127.00	128.00	1.00	
A00307251	LLDH-12-002				Blank
A00307252	LLDH-12-002	128.00	129.00	1.00	
A00307253	LLDH-12-002	129.00	130.00	1.00	
A00307254	LLDH-12-002	130.00	131.00	1.00	
A00307255	LLDH-12-002				CM-21
A00307256	LLDH-12-002	131.00	132.00	1.00	
A00307257	LLDH-12-002	132.00	133.00	1.00	
A00307258	LLDH-12-002	133.00	134.00	1.00	
A00307259	LLDH-12-002				Half Core duplicate of previous
A00307260	LLDH-12-002	134.00	135.00	1.00	
A00307261	LLDH-12-002	135.00	136.00	1.00	
A00307262	LLDH-12-002	136.00	137.00	1.00	
A00307263	LLDH-12-002	137.00	138.00	1.00	
A00307264	LLDH-12-002	138.00	139.00	1.00	
A00307265	LLDH-12-002	139.00	140.00	1.00	
A00307266	LLDH-12-002				CM-16
A00307267	LLDH-12-002	140.00	141.00	1.00	
A00307268	LLDH-12-002	141.00	141.83	0.83	
A00307269	LLDH-12-002	141.83	144.00	2.17	
A00307270	LLDH-12-002	144.00	146.00	2.00	
A00307271	LLDH-12-002	146.00	147.00	1.00	
A00307272	LLDH-12-002	147.00	150.00	3.00	
A00307273	LLDH-12-002	150.00	152.48	2.48	
A00307274	LLDH-12-002				Blank
A00307275	LLDH-12-002	152.48	154.00	1.52	
A00307276	LLDH-12-002	154.00	155.00	1.00	
A00307277	LLDH-12-002	156.00	157.00	1.00	
A00307278	LLDH-12-002	157.00	158.00	1.00	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307279	LLDH-12-002	158.00	159.00	1.00	
A00307280	LLDH-12-002	159.00	162.00	3.00	
A00307281	LLDH-12-002			0.00	Half Core duplicate of previous
A00307282	LLDH-12-002	162.00	165.00	3.00	
A00307283	LLDH-12-002	165.00	166.23	1.23	
A00307284	LLDH-12-002	166.23	168.54	2.31	
A00307285	LLDH-12-002	168.54	170.00	1.46	
A00307286	LLDH-12-002	170.00	171.00	1.00	
A00307287	LLDH-12-002				CM-21
A00307288	LLDH-12-002	171.00	172.00	1.00	
A00307289	LLDH-12-002	172.00	173.00	1.00	
A00307290	LLDH-12-002	173.00	174.00	1.00	
A00307291	LLDH-12-002	174.00	175.58	1.58	
A00307292	LLDH-12-002				Blank
A00307293	LLDH-12-002	175.58	177.00	1.42	
A00307294	LLDH-12-002	177.00	180.00	3.00	
A00307295	LLDH-12-002	180.00	183.00	3.00	
A00307296	LLDH-12-002	183.00	186.00	3.00	
A00307297	LLDH-12-002	186.00	189.00	3.00	
A00307298	LLDH-12-002	189.00	192.00	3.00	
A00307299	LLDH-12-002	192.00	195.00	3.00	
A00307300	LLDH-12-002	195.00	198.00	3.00	
A00307301	LLDH-12-002	198.00	201.00	3.00	
A00307302	LLDH-12-002	201.00	204.37	3.37	
A00307303	LLDH-12-002				Quarter core duplicate of previous
A00307304	LLDH-12-002	204.37	207.00	2.63	
A00307305	LLDH-12-002	207.00	210.00	3.00	
A00307306	LLDH-12-002	210.00	213.00	3.00	
A00307307	LLDH-12-002	213.00	216.00	3.00	
A00307308	LLDH-12-002	216.00	219.00	3.00	
A00307309	LLDH-12-002				CM-16
A00307310	LLDH-12-002	219.00	222.00	3.00	
A00307311	LLDH-12-002	222.00	224.22	2.22	
A00307312	LLDH-12-002	224.22	227.09	2.87	
A00307313	LLDH-12-002	227.09	230.09	3.00	
A00307314	LLDH-12-002	230.09	232.00	1.91	
A00307315	LLDH-12-002	232.00	234.00	2.00	
A00307316	LLDH-12-002				Blank
A00307317	LLDH-12-002	234.00	237.00	3.00	
A00307318	LLDH-12-002	237.00	240.00	3.00	

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307319	LLDH-12-002	240.00	243.00	3.00	
A00307320	LLDH-12-002	243.00	246.00	3.00	
A00307321	LLDH-12-002				CM-21
A00307322	LLDH-12-002	246.00	249.00	3.00	
A00307323	LLDH-12-002	249.00	250.40	1.40	
A00307324	LLDH-12-002	250.40	252.42	2.02	
A00307325	LLDH-12-002	252.42	255.00	2.58	
A00307326	LLDH-12-002	255.00	258.00	3.00	
A00307327	LLDH-12-002	258.00	261.00	3.00	
A00307328	LLDH-12-002	261.00	262.00	1.00	
A00307329	LLDH-12-002				Blank
A00307330	LLDH-12-002	262.00	263.28	1.28	
A00307331	LLDH-12-002	263.28	265.06	1.78	
A00307332	LLDH-12-002	265.06	267.00	1.94	
A00307333	LLDH-12-002	267.00	269.00	2.00	
A00307334	LLDH-12-002	269.00	271.70	2.70	
A00307335	LLDH-12-002	271.70	274.00	2.30	
A00307336	LLDH-12-002	274.00	275.91	1.91	
A00307337	LLDH-12-002				Quarter core duplicate of previous
A00307338	LLDH-12-002	275.91	277.14	1.23	
A00307339	LLDH-12-002	277.14	279.00	1.86	
A00307340	LLDH-12-002	279.00	282.00	3.00	
A00307341	LLDH-12-002	282.00	285.00	3.00	
A00307342	LLDH-12-002	285.00	288.00	3.00	
A00307343	LLDH-12-002				CM-21
A00307344	LLDH-12-002	288.00	291.00	3.00	
A00307345	LLDH-12-002	291.00	292.32	1.32	
A00307346	LLDH-12-002	292.32	294.00	1.68	
A00307347	LLDH-12-002	294.00	296.00	2.00	
A00307348	LLDH-12-002	296.00	297.00	1.00	
A00307349	LLDH-12-002	297.00	298.00	1.00	
A00307350	LLDH-12-002				Quarter core duplicate of previous
A00307351	LLDH-12-002	298.00	299.67	1.67	
A00307352	LLDH-12-002	299.67	301.00	1.33	
A00307353	LLDH-12-002	301.00	303.00	2.00	
A00307354	LLDH-12-002	303.00	306.00	3.00	
A00307355	LLDH-12-002	306.00	309.00	3.00	
A00307356	LLDH-12-002	309.00	312.00	3.00	
A00307357	LLDH-12-002				Blank
A00307358	LLDH-12-002	312.00	315.00	3.00	

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307359	LLDH-12-002	315.00	318.00	3.00	
A00307360	LLDH-12-002				Quarter core duplicate of previous
A00307361	LLDH-12-002	318.00	319.52	1.52	
A00307362	LLDH-12-002	319.52	322.62	3.10	
A00307363	LLDH-12-002	322.62	324.00	1.38	
A00307364	LLDH-12-002				Blank
A00307365	LLDH-12-002	324.00	327.00	3.00	
A00307366	LLDH-12-002	327.00	330.14	3.14	
A00307367	LLDH-12-002	330.14	333.18	3.04	
A00307368	LLDH-12-002				CM-16
A00307369	LLDH-12-002	333.18	335.73	2.55	
A00307370	LLDH-12-002	335.73	339.00	3.27	
A00307371	LLDH-12-002	339.00	342.00	3.00	
A00307372	LLDH-12-002	342.00	345.00	3.00	
A00307373	LLDH-12-002	345.00	347.00	2.00	
A00307374	LLDH-12-002	347.00	348.85	1.85	
A00307375	LLDH-12-002				Quarter core duplicate of previous
A00307376	LLDH-12-002	348.85	349.83	0.98	
A00307377	LLDH-12-002				Blank
A00307378	LLDH-12-002	349.83	351.00	1.17	
A00307379	LLDH-12-002	351.00	354.00	3.00	
A00307380	LLDH-12-002	354.00	356.00	2.00	
A00307381	LLDH-12-002	356.00	357.21	1.21	
A00307382					CM-16
A00307383	LLDH-12-002	357.21	358.96	1.75	
A00307384	LLDH-12-002	358.96	360.00	1.04	
A00307385	LLDH-12-002	360.00	363.00	3.00	
A00307386	LLDH-12-002	363.00	366.00	3.00	
A00307387	LLDH-12-002	366.00	369.00	3.00	
A00307388	LLDH-12-002	369.00	372.00	3.00	
A00307389	LLDH-12-002				Blank
A00307390	LLDH-12-002	372.00	375.00	3.00	
A00307391	LLDH-12-002	375.00	378.00	3.00	
A00307392	LLDH-12-002	378.00	381.00	3.00	
A00307393	LLDH-12-002	381.00	384.00	3.00	
A00307394	LLDH-12-002	384.00	387.00	3.00	
A00307395	LLDH-12-002	387.00	390.00	3.00	
A00307396	LLDH-12-002				CM-16
A00307397	LLDH-12-002	390.00	393.00	3.00	
A00307398	LLDH-12-002	393.00	396.00	3.00	

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307399	LLDH-12-002				Quarter core duplicate of previous
A00307400	LLDH-12-002	396.00	399.00	3.00	
A00307401	LLDH-12-002	399.00	402.00	3.00	
A00307402	LLDH-12-002	402.00	405.00	3.00	
A00307403	LLDH-12-002	405.00	408.00	3.00	
A00307404	LLDH-12-002	408.00	411.00	3.00	
A00307405	LLDH-12-002	411.00	414.00	3.00	
A00307406	LLDH-12-002	414.00	417.00	3.00	
A00307407	LLDH-12-002				Blank
A00307408	LLDH-12-002	417.00	420.00	3.00	
A00307409	LLDH-12-002	420.00	423.00	3.00	
A00307410	LLDH-12-002	423.00	426.00	3.00	
A00307411	LLDH-12-002	426.00	429.00	3.00	
A00307412	LLDH-12-002	429.00	432.00	3.00	
A00307413	LLDH-12-002	432.00	435.00	3.00	
A00307414	LLDH-12-002				CM-21
A00307415	LLDH-12-002	435.00	438.00	3.00	
A00307416	LLDH-12-002	438.00	441.00	3.00	
A00307417	LLDH-12-002	441.00	444.00	3.00	
A00307418	LLDH-12-002	444.00	447.00	3.00	
A00307419	LLDH-12-002	447.00	450.00	3.00	
A00307420	LLDH-12-003	4.50	6.00	1.50	
A00307421	LLDH-12-003	6.00	9.00	3.00	
A00307422	LLDH-12-003	9.00	12.00	3.00	
A00307423	LLDH-12-003				Quarter core duplicate of previous
A00307424	LLDH-12-003	12.00	15.00	3.00	
A00307425	LLDH-12-003	15.00	18.00	1.29	
A00307426	LLDH-12-003	18.00	19.29	2.91	
A00307427	LLDH-12-003	19.29	22.20	1.80	
A00307428	LLDH-12-003	22.20	24.00	3.00	
A00307429	LLDH-12-003				Blank
A00307430	LLDH-12-003	24.00	27.00	3.00	
A00307431	LLDH-12-003	27.00	30.00	3.00	
A00307432	LLDH-12-003	30.00	33.00	3.00	
A00307433	LLDH-12-003	33.00	36.00	3.00	
A00307434	LLDH-12-003	36.00	39.00	3.00	
A00307435	LLDH-12-003	39.00	42.00	3.00	
A00307436	LLDH-12-003				CM-16
A00307437	LLDH-12-003	42.00	45.00	3.00	
A00307438	LLDH-12-003	45.00	48.00	3.00	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307439	LLDH-12-003	48.00	51.00	3.00	
A00307440	LLDH-12-003				Quarter core duplicate of previous
A00307441	LLDH-12-003	51.00	54.00	3.00	
A00307442	LLDH-12-003	54.00	57.00	3.00	
A00307443	LLDH-12-003	57.00	60.00	3.00	
A00307444	LLDH-12-003	60.00	63.00	3.00	
A00307445	LLDH-12-003	63.00	66.00	3.00	
A00307446	LLDH-12-003	66.00	68.88	2.88	
A00307447	LLDH-12-003	68.88	71.00	2.12	
A00307448	LLDH-12-003	71.00	73.00	2.00	
A00307449	LLDH-12-003				CM-16
A00307450	LLDH-12-003	73.00	75.52	2.52	
A00307451	LLDH-12-003	75.52	78.00	2.48	
A00307452	LLDH-12-003	78.00	81.00	3.00	
A00307453	LLDH-12-003	81.00	84.00	3.00	
A00307454	LLDH-12-003	84.00	87.00	3.00	Quarter core
A00307455	LLDH-12-003				Quarter core duplicate of previous
A00307456	LLDH-12-003	87.00	90.00	3.00	
A00307457	LLDH-12-003	90.00	93.00	3.00	
A00307458	LLDH-12-003	93.00	96.00	3.00	
A00307459	LLDH-12-003	96.00	99.00	3.00	
A00307460	LLDH-12-003	99.00	102.00	3.00	
A00307461	LLDH-12-003	102.00	105.00	3.00	
A00307462	LLDH-12-003				Blank
A00307463	LLDH-12-003	105.00	108.00	3.00	
A00307464	LLDH-12-003	108.00	111.00	3.00	
A00307465	LLDH-12-003	111.00	114.00	3.00	
A00307466	LLDH-12-003	114.00	117.00	3.00	
A00307467	LLDH-12-003	117.00	120.00	3.00	Quarter core
A00307468	LLDH-12-003				Quarter core duplicate of previous
A00307469	LLDH-12-003	120.00	123.00	3.00	
A00307470	LLDH-12-003	123.00	126.00	3.00	
A00307471	LLDH-12-003	126.00	129.00	3.00	
A00307472	LLDH-12-003	129.00	132.00	3.00	
A00307473	LLDH-12-003	132.00	135.00	3.00	
A00307474	LLDH-12-003	135.00	138.00	3.00	
A00307475	LLDH-12-003	138.00	141.00	3.00	
A00307476	LLDH-12-003	141.00	143.36	2.36	
A00307477	LLDH-12-003	143.36	145.54	2.18	
A00307478	LLDH-12-003				CM-21

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307479	LLDH-12-003	145.54	147.00	1.46	
A00307480	LLDH-12-003	147.00	150.00	3.00	
A00307481	LLDH-12-003	150.00	153.00	3.00	
A00307482	LLDH-12-003	153.00	156.00	3.00	Quarter core
A00307483	LLDH-12-003				Quarter core duplicate of previous
A00307484	LLDH-12-003	156.00	159.00	3.00	
A00307485	LLDH-12-003	159.00	162.00	3.00	
A00307486	LLDH-12-003	162.00	165.00	3.00	
A00307487	LLDH-12-003				Blank
A00307488	LLDH-12-003	165.00	168.00	3.00	
A00307489	LLDH-12-003	168.00	171.00	3.00	
A00307490	LLDH-12-003	171.00	174.00	3.00	
A00307491	LLDH-12-003	174.00	177.00	3.00	
A00307492	LLDH-12-003	177.00	180.00	3.00	
A00307493	LLDH-12-003	180.00	183.00	3.00	
A00307494	LLDH-12-003	183.00	186.00	3.00	
A00307495	LLDH-12-003	186.00	189.00	3.00	Quarter core
A00307496	LLDH-12-003				Quarter core duplicate of previous
A00307497	LLDH-12-003	189.00	192.00	3.00	
A00307498	LLDH-12-003	192.00	195.00	3.00	
A00307499	LLDH-12-003	195.00	198.00	3.00	
A00307500	LLDH-12-003	198.00	201.00	3.00	
A00307501	LLDH-12-003	201.00	204.00	3.00	
A00307502	LLDH-12-003				CM-16
A00307503	LLDH-12-003	204.00	207.00	3.00	
A00307504	LLDH-12-003	207.00	210.00	3.00	
A00307505	LLDH-12-003	210.00	213.00	3.00	
A00307506	LLDH-12-003	213.00	216.00	3.00	
A00307507	LLDH-12-003	216.00	219.00	3.00	
A00307508	LLDH-12-003				Blank
A00307509	LLDH-12-003	219.00	222.00	3.00	
A00307510	LLDH-12-003	222.00	225.00	3.00	
A00307511	LLDH-12-003	225.00	228.00	3.00	
A00307512	LLDH-12-003	228.00	231.00	3.00	
A00307513	LLDH-12-003	231.00	234.00	3.00	
A00307514	LLDH-12-003				CM-21
A00307515	LLDH-12-003	234.00	237.00	3.00	
A00307516	LLDH-12-003	237.00	240.00	3.00	
A00307517	LLDH-12-003	240.00	243.00	3.00	
A00307518	LLDH-12-003				Blank

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307519	LLDH-12-003	243.00	246.00	3.00	
A00307520	LLDH-12-003	246.00	249.00	3.00	
A00307521	LLDH-12-003	249.00	252.00	3.00	
A00307522	LLDH-12-003				Blank
A00307523	LLDH-12-003	252.00	255.00	3.00	
A00307524	LLDH-12-003	255.00	258.00	3.00	
A00307525	LLDH-12-003				CM-16
A00307526	LLDH-12-003	258.00	261.00	3.00	
A00307527	LLDH-12-003	261.00	264.00	3.00	
A00307528	LLDH-12-003	264.00	267.00	3.00	
A00307529	LLDH-12-003	267.00	269.17	2.17	
A00307530	LLDH-12-003	269.17	271.00	1.83	
A00307531	LLDH-12-003	271.00	273.00	2.00	
A00307532	LLDH-12-003				Quarter core duplicate of previous
A00307533	LLDH-12-003	273.00	276.00	3.00	
A00307534	LLDH-12-003	276.00	279.00	3.00	
A00307535	LLDH-12-003	279.00	282.00	3.00	
A00307536	LLDH-12-003	282.00	285.00	3.00	
A00307537	LLDH-12-003				Blank
A00307538	LLDH-12-003	285.00	288.00	3.00	
A00307539	LLDH-12-003	288.00	291.00	3.00	
A00307540	LLDH-12-003				CM-21
A00307541	LLDH-12-003	291.00	294.00	3.00	
A00307542	LLDH-12-003	294.00	297.00	3.00	
A00307543	LLDH-12-003	297.00	298.84	1.84	
A00307544	LLDH-12-003	298.84	300.00	1.16	
A00307545	LLDH-12-003	300.00	303.00	3.00	
A00307546	LLDH-12-003	303.00	305.00	2.00	
A00307547	LLDH-12-003				Quarter core duplicate of previous
A00307548	LLDH-12-003	305.00	306.00	1.00	
A00307549	LLDH-12-003	306.00	309.00	3.00	
A00307550	LLDH-12-003	309.00	312.00	3.00	
A00307551	LLDH-12-003	312.00	315.00	3.00	
A00307552	LLDH-12-003	315.00	318.00	3.00	
A00307553	LLDH-12-003	318.00	321.00	3.00	
A00307554	LLDH-12-003	321.00	324.00	3.00	
A00307555	LLDH-12-003				CM-16
A00307556	LLDH-12-003	324.00	327.00	3.00	
A00307557	LLDH-12-003	327.00	329.28	2.28	
A00307558	LLDH-12-003	329.28	331.00	1.72	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307559	LLDH-12-003	331.00	333.67	2.67	
A00307560	LLDH-12-003	333.67	336.00	2.33	
A00307561	LLDH-12-004	9.00	12.00	3.00	
A00307562	LLDH-12-004				Quarter core duplicate of previous
A00307563	LLDH-12-004	12.00	15.00	3.00	
A00307564	LLDH-12-004	15.00	18.00	3.00	
A00307565	LLDH-12-004	18.00	21.00	3.00	
A00307566	LLDH-12-004	21.00	24.00	3.00	
A00307567	LLDH-12-004	24.00	27.00	3.00	
A00307568	LLDH-12-004				Blank
A00307569	LLDH-12-004	27.00	30.00	3.00	
A00307570	LLDH-12-004	30.00	33.00	3.00	
A00307571	LLDH-12-004	33.00	35.72	2.72	
A00307572	LLDH-12-004	35.72	37.00	1.28	
A00307573	LLDH-12-004	37.00	39.39	2.39	
A00307574	LLDH-12-004				CM-21
A00307575	LLDH-12-004	39.39	42.00	2.61	
A00307576	LLDH-12-004	42.00	45.00	3.00	
A00307577	LLDH-12-004	45.00	48.00	3.00	
A00307578	LLDH-12-004	48.00	51.00	3.00	
A00307579	LLDH-12-004				Quarter core duplicate of previous
A00307580	LLDH-12-004	51.00	54.00	3.00	
A00307581	LLDH-12-004	54.00	57.00	3.00	
A00307582	LLDH-12-004	57.00	60.00	3.00	
A00307583	LLDH-12-004	60.00	63.00	3.00	
A00307584	LLDH-12-004	63.00	66.00	3.00	
A00307585	LLDH-12-004	66.00	69.00	3.00	
A00307586	LLDH-12-004	69.00	72.00	3.00	
A00307587					Blank
A00307588	LLDH-12-004	72.00	75.00	3.00	
A00307589	LLDH-12-004	75.00	78.00	3.00	
A00307590	LLDH-12-004	78.00	81.00	3.00	
A00307591	LLDH-12-004	81.00	84.00	3.00	
A00307592	LLDH-12-004	84.00	87.00	3.00	
A00307593	LLDH-12-004	87.00	90.00	3.00	
A00307594	LLDH-12-004	90.00	93.00	3.00	
A00307595	LLDH-12-004	93.00	96.00	3.00	
A00307596	LLDH-12-004	96.00	99.00	3.00	
A00307597	LLDH-12-004	99.00	102.00	3.00	
A00307598	LLDH-12-004				Blank

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307599	LLDH-12-004	102.00	105.00	3.00	
A00307600	LLDH-12-004	105.00	108.00	3.00	
A00307601	LLDH-12-004	108.00	111.00	3.00	
A00307602	LLDH-12-004	111.00	114.00	3.00	
A00307603	LLDH-12-004	114.00	117.00	3.00	
A00307604	LLDH-12-004				Quarter Core Duplicate of Previous
A00307605	LLDH-12-004	117.00	120.00	3.00	
A00307606	LLDH-12-004	120.00	123.00	3.00	
A00307607	LLDH-12-004	123.00	126.00	3.00	
A00307608	LLDH-12-004	126.00	129.00	3.00	
A00307609	LLDH-12-004	129.00	132.00	3.00	
A00307610	LLDH-12-004				CM-16
A00307611	LLDH-12-004	132.00	135.00	3.00	
A00307612	LLDH-12-004	135.00	138.00	3.00	
A00307613	LLDH-12-004	138.00	141.00	3.00	
A00307614	LLDH-12-004	141.00	144.00	3.00	
A00307615	LLDH-12-004	144.00	147.00	3.00	
A00307616	LLDH-12-004				Blank
A00307617	LLDH-12-004	147.00	150.00	3.00	
A00307618	LLDH-12-004	150.00	153.00	3.00	
A00307619	LLDH-12-004	153.00	156.00	3.00	
A00307620	LLDH-12-004	156.00	159.00	3.00	
A00307621	LLDH-12-004	159.00	162.00	3.00	
A00307622	LLDH-12-004	162.00	165.00	3.00	
A00307623	LLDH-12-004	165.00	168.00	3.00	
A00307624	LLDH-12-004	168.00	171.00	3.00	
A00307625	LLDH-12-004				Quarter Core Duplicate of Previous
A00307626	LLDH-12-004	171.00	174.00	3.00	
A00307627	LLDH-12-004	174.00	177.00	3.00	
A00307628	LLDH-12-004	177.00	180.00	3.00	
A00307629	LLDH-12-004	180.00	183.00	3.00	
A00307630	LLDH-12-004	183.00	186.00	3.00	
A00307631	LLDH-12-004	186.00	189.00	3.00	
A00307632	LLDH-12-004	189.00	191.00	2.00	
A00307633	LLDH-12-004				CM-21
A00307634	LLDH-12-004	191.00	193.00	2.00	
A00307635	LLDH-12-004	193.00	195.00	2.00	
A00307636	LLDH-12-004				Blank
A00307637	LLDH-12-004	195.00	198.00	3.00	
A00307638	LLDH-12-004	198.00	201.00	3.00	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307639	LLDH-12-004	201.00	204.00	3.00	
A00307640	LLDH-12-004	204.00	207.00	3.00	
A00307641	LLDH-12-004				Quarter Core Duplicate of Previous
A00307642	LLDH-12-004	207.00	210.00	3.00	
A00307643	LLDH-12-004	210.00	213.00	3.00	
A00307644	LLDH-12-004	213.00	216.00	3.00	
A00307645	LLDH-12-004	216.00	219.00	3.00	
A00307646	LLDH-12-004				CM-16
A00307647	LLDH-12-004	219.00	222.00	3.00	
A00307648	LLDH-12-004	222.00	225.00	3.00	
A00307649	LLDH-12-004	225.00	228.00	3.00	
A00307650	LLDH-12-004	228.00	231.00	3.00	
A00307651	LLDH-12-004				Blank
A00307652	LLDH-12-004	231.00	234.00	3.00	
A00307653	LLDH-12-004	234.00	237.00	3.00	
A00307654	LLDH-12-004	237.00	240.00	3.00	
A00307655	LLDH-12-004	240.00	243.00	3.00	
A00307656	LLDH-12-004	243.00	246.00	3.00	
A00307657	LLDH-12-004	246.00	249.00	3.00	
A00307658	LLDH-12-004				Quarter Core Duplicate of Previous
A00307659	LLDH-12-004	249.00	252.00	3.00	
A00307660	LLDH-12-004	252.00	255.00	3.00	
A00307661	LLDH-12-004	255.00	258.00	3.00	
A00307662	LLDH-12-004	258.00	261.00	3.00	
A00307663	LLDH-12-004	261.00	264.00	3.00	
A00307664	LLDH-12-004				CM-21
A00307665	LLDH-12-004	264.00	266.00	2.00	
A00307666	LLDH-12-004	266.00	267.77	1.77	
A00307667	LLDH-12-004	267.77	270.00	2.23	
A00307668	LLDH-12-004	270.00	273.00	3.00	
A00307669					CM-16
A00307670	LLDH-12-004	273.00	276.00	3.00	
A00307671	LLDH-12-004	276.00	279.00	3.00	
A00307672	LLDH-12-004	279.00	282.00	3.00	
A00307673					Blank
A00307674	LLDH-12-004	282.00	284.00	2.00	
A00307675	LLDH-12-004	284.00	285.62	1.62	
A00307676	LLDH-12-004	285.62	288.00	2.38	
A00307677	LLDH-12-004	288.00	289.70	1.70	
A00307678	LLDH-12-004	289.96	291.00	1.04	

Sample ID	Hole ID	From (m)	To (m)	Interval (m)	QC Sample
A00307679	LLDH-12-004	291.00	294.00	3.00	quarter core
A00307680					Quarter core duplicate of previous
A00307681	LLDH-12-004	294	297	3.00	
A00307682	LLDH-12-004	297.00	300.00	3.00	
A00307683					CM-16
A00307684	LLDH-12-004	300.00	301.00	1.00	
A00307685	LLDH-12-004	301.00	303.00	2.00	
A00307686	LLDH-12-004	303.00	306.00	3.00	
A00307687	LLDH-12-004	306.00	309.00	3.00	
A00307688	LLDH-12-004	309.00	312.00	3.00	
A00307689					Blank
A00307690	LLDH-12-004	312.00	313.40	1.40	
A00307691	LLDH-12-004	313.92	315.00	1.08	
A00307692	LLDH-12-004	315.00	318.00	3.00	
A00307693	LLDH-12-004	318.00	319.33	1.33	
A00307694	LLDH-12-004	319.33	321.00	1.67	
A00307695	LLDH-12-004	321.00	324.00	3.00	quarter core
A00307696	LLDH-12-004				Quarter core duplicate of previous
A00307697	LLDH-12-004	324.00	327.00	3.00	
A00307698	LLDH-12-004	327.00	330.00	3.00	
A00307699	LLDH-12-004	330.00	333.00	3.00	
A00307700	LLDH-12-004	333.00	336.00	3.00	
A00307701	LLDH-12-004				CM-16
A00307702	LLDH-12-004	336.00	339.00	3.00	
A00307703	LLDH-12-004	339.00	342.65	3.65	



Certificate of Analysis

Work Order: VC122465

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 17, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE-009-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 17, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307149	2.815	33	9.14	462	3.08	6	2740	4.73	2.35	7
A00307150	3.180	38	7.27	462	4.97	11	2220	3.33	2.18	9
A00307151	0.105	430	5.70	478	2.02	38	5030	3.73	0.89	13
A00307152	5.335	22	7.37	538	2.82	10	1830	2.89	2.29	6
A00307153	3.880	19	7.35	509	2.82	11	1510	3.15	2.07	8
A00307154	1.925	24	7.29	652	2.09	12	1790	2.80	2.63	8
A00307155	3.285	<5	5.54	1050	1.02	9	10.2	1.60	2.15	7
A00307156	5.465	28	6.93	687	2.44	12	2280	2.69	2.72	5
A00307157	5.870	56	6.71	623	2.91	16	3690	2.75	2.61	8
A00307158	6.735	33	7.19	616	3.44	12	3510	2.75	2.33	17
A00307159	4.280	31	6.23	660	2.88	18	3340	2.61	2.73	10
A00307160	3.550	30	6.16	1350	3.03	16	3070	2.54	2.67	8
A00307161	2.620	62	7.32	376	2.43	9	5650	3.73	2.04	4
A00307162	6.845	45	7.36	375	2.75	9	3560	3.17	2.10	5
A00307163	2.080	28	6.78	291	2.96	16	2650	3.38	1.75	6
A00307164	0.105	273	7.45	1490	2.19	16	1790	3.98	2.39	9
A00307165	4.440	41	8.54	307	3.47	7	3400	3.90	1.53	6
A00307166	6.890	60	7.81	490	2.81	11	5820	3.27	2.40	6
A00307167	7.335	20	6.97	675	2.56	12	1440	2.66	2.48	5
A00307168	6.785	11	7.28	768	3.15	13	928	2.71	2.35	7
A00307169	6.660	12	7.73	698	2.88	12	734	2.72	2.72	4
A00307170	2.275	8	7.44	659	4.46	13	523	2.49	2.36	3
A00307171	2.905	<5	4.94	1220	1.01	7	9.8	1.40	2.20	7
A00307172	4.445	15	6.94	712	3.73	9	1490	1.86	2.81	6
A00307173	6.825	27	7.33	307	3.62	8	2780	3.58	1.74	5
A00307174	6.630	32	7.07	569	2.51	13	2430	3.10	2.46	4
A00307175	3.825	22	6.86	558	2.27	12	1820	2.94	2.36	4
A00307176	3.040	23	7.12	372	2.26	10	1900	3.60	2.00	4
A00307177	6.685	25	6.14	598	2.15	14	2020	2.60	2.72	5
A00307178	4.995	34	6.13	836	1.82	17	2600	2.13	3.20	5
A00307179	2.175	28	7.37	921	3.42	11	2320	2.76	2.92	7
A00307180	4.100	25	8.77	956	5.00	5	1480	4.08	1.30	8
A00307181	4.345	23	8.93	1020	4.14	4	1400	4.12	1.30	8
A00307182	6.625	25	8.32	787	3.70	9	2330	4.31	2.10	24
A00307183	6.940	24	8.20	926	2.38	6	1970	3.63	2.90	27
A00307184	6.850	33	8.22	995	2.28	6	2170	3.79	2.57	26
A00307185	7.210	66	7.60	1180	2.85	7	5120	4.09	2.60	60
*Dup A00307185	N.A.	64	7.15	1120	2.77	6	5140	3.75	2.63	56
A00307186	0.105	290	7.34	1410	2.17	18	1720	4.08	2.41	8
A00307187	6.640	18	8.02	548	2.94	5	1130	3.57	2.26	46
A00307188	6.790	36	8.08	172	2.22	7	2050	3.86	2.01	38
A00307189	2.950	25	8.29	345	2.48	7	1640	3.61	2.70	23
A00307190	4.075	23	7.03	1010	2.04	12	1150	2.40	1.90	14

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307191	3.265	19	7.54	1350	2.16	11	1130	2.60	2.67	17
A00307192	3.975	30	8.31	335	3.29	6	1550	3.26	2.15	33
A00307193	2.315	<5	5.37	1020	0.77	6	11.1	1.32	2.13	5
A00307194	6.780	20	8.46	389	2.89	8	1730	3.42	2.13	30
A00307195	7.070	20	8.70	435	2.47	6	1760	3.96	2.28	24
A00307196	8.455	15	7.95	345	2.24	8	1280	3.66	1.59	14
A00307197	7.035	35	6.72	477	1.89	6	2130	2.64	1.54	18
A00307198	5.115	24	8.89	402	2.86	5	2280	3.39	2.71	45
A00307199	3.840	16	7.95	384	2.81	14	1530	4.29	1.56	12
A00307200	6.490	43	8.65	410	2.86	11	766	4.33	2.10	12
A00307201	7.035	6	8.42	464	3.08	12	644	4.19	1.54	16
A00307202	6.495	9	8.39	478	3.49	12	935	4.33	1.44	18
A00307203	7.545	18	7.96	344	3.45	11	741	4.09	1.53	22
A00307204	6.930	9	8.09	484	2.75	12	944	4.35	1.64	22
A00307205	7.145	10	8.22	361	2.81	10	1240	4.95	1.64	15
A00307206	7.260	6	8.32	580	2.90	13	559	4.34	1.54	18
A00307207	0.105	290	7.33	1430	2.08	18	1790	3.78	2.21	10
A00307208	7.175	11	8.34	804	2.48	13	838	4.82	1.83	13
A00307209	6.510	23	7.65	418	2.61	13	1820	4.65	1.43	9
A00307210	7.285	16	8.54	520	3.11	11	667	4.80	1.61	12
A00307211	3.175	<5	5.32	1030	0.89	10	7.1	1.31	1.99	6
A00307212	7.110	16	8.10	591	2.88	9	1130	4.39	1.71	9
A00307213	7.075	10	8.53	558	2.54	10	601	4.23	1.61	7
A00307214	7.175	24	7.65	448	2.42	13	910	4.00	1.52	7
A00307215	7.240	19	8.50	439	2.52	13	1080	4.52	1.67	7
A00307216	6.940	18	8.44	352	2.99	13	1540	4.09	1.64	8
A00307217	5.950	18	7.97	353	2.93	15	1260	3.95	1.53	7
A00307218	7.150	25	8.41	369	2.68	21	1140	4.50	1.63	7
A00307219	6.940	25	7.95	502	2.72	17	1500	3.74	2.03	7
A00307220	7.070	17	8.33	332	2.85	18	800	5.42	1.56	7
A00307221	6.695	13	8.61	449	2.78	18	954	4.97	1.68	8
A00307222	4.710	23	8.26	472	2.93	18	1420	4.30	1.62	10
*Dup A00307222	N.A.	24	8.22	477	3.05	19	1290	4.53	1.61	9
*Rep A00307152		22								
*Rep A00307208		11								
*Std SH65		1300								
*Std OXF100		776								
*Std AMIS0258		3300								
*Std SH65		1350								
*Blk BLANK		<5								
*Rep A00307166			7.21	492	2.61	12	5690	3.05	2.06	5
*Rep A00307220			8.29	349	2.72	18	824	5.10	1.55	8
*Std CH-4			7.25	423	1.71	82	1950	4.90	1.80	13

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*Std CH-4	7.74	412	1.81	87	2050	5.11	1.90	14
*Blk BLANK	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307149	1.66	446	3.13	3.3	810	0.41	375	0.44	147	67
A00307150	1.04	575	1.38	19.1	540	0.39	312	0.27	94	61
A00307151	0.96	633	2.05	25.2	480	0.60	270	0.27	100	53
A00307152	1.19	351	1.77	6.4	770	0.30	396	0.26	90	53
A00307153	1.26	336	1.32	4.1	770	0.20	393	0.25	91	44
A00307154	0.86	260	2.22	5.2	860	0.20	371	0.23	85	40
A00307155	0.29	330	4.00	4.7	320	<0.01	668	0.13	37	47
A00307156	0.80	304	2.04	4.9	800	0.31	392	0.22	85	44
A00307157	0.83	324	1.63	4.8	790	0.47	328	0.22	83	36
A00307158	0.54	329	1.58	5.6	680	0.49	274	0.25	80	57
A00307159	0.46	282	1.84	4.7	580	0.40	355	0.19	60	49
A00307160	0.47	291	1.86	3.9	600	0.41	384	0.19	60	40
A00307161	0.80	377	2.94	4.4	770	0.78	327	0.37	97	53
A00307162	0.78	285	2.47	3.5	790	0.52	285	0.35	94	46
A00307163	0.80	331	2.09	3.8	690	0.45	260	0.33	87	38
A00307164	0.64	691	2.76	12.3	720	0.26	683	0.20	74	82
A00307165	0.91	390	2.88	11.3	890	0.46	369	0.39	107	60
A00307166	0.84	304	2.29	3.5	730	0.66	344	0.35	88	51
A00307167	0.60	296	2.34	5.3	780	0.31	496	0.21	66	36
A00307168	0.51	327	2.38	5.0	760	0.30	456	0.20	64	32
A00307169	0.54	324	2.83	4.8	760	0.19	517	0.22	65	62
A00307170	0.34	312	2.18	4.9	770	0.15	448	0.21	63	76
A00307171	0.30	271	3.89	4.7	370	<0.01	722	0.13	35	36
A00307172	0.37	324	1.39	4.2	690	0.29	330	0.20	59	33
A00307173	0.91	336	1.38	3.9	760	0.49	313	0.35	96	40
A00307174	0.71	368	2.04	4.9	670	0.38	413	0.25	77	43
A00307175	0.75	249	2.29	4.5	750	0.27	392	0.26	81	35
A00307176	0.84	280	2.45	3.6	840	0.32	318	0.34	94	39
A00307177	0.70	317	1.60	6.1	630	0.42	298	0.21	69	78
A00307178	0.58	215	1.69	4.7	630	0.37	344	0.19	58	33
A00307179	0.65	352	1.70	5.2	700	0.40	378	0.24	78	36
A00307180	0.85	508	2.26	1.3	890	0.55	364	0.39	102	57
A00307181	0.89	394	2.36	1.1	970	0.35	370	0.41	105	46
A00307182	0.65	401	1.78	2.5	880	1.05	290	0.41	108	53
A00307183	0.82	362	2.24	2.0	940	0.49	313	0.42	99	47
A00307184	0.76	331	2.37	2.1	950	0.51	319	0.41	105	64
A00307185	0.48	540	1.11	2.5	940	1.01	172	0.41	103	82
*Dup A00307185	0.45	445	1.10	2.5	930	1.05	163	0.41	105	93
A00307186	0.62	682	2.72	11.3	700	0.26	655	0.19	74	77
A00307187	0.58	441	1.37	1.2	1000	0.40	184	0.37	97	56
A00307188	0.59	475	1.48	2.7	880	0.80	132	0.39	99	73
A00307189	1.07	351	2.28	59.2	940	0.48	247	0.39	113	48
A00307190	0.53	305	2.40	4.9	790	0.26	382	0.24	65	28

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307191	0.62	257	2.60	5.5	880	0.25	619	0.26	71	25
A00307192	0.87	407	2.09	2.5	990	0.38	212	0.37	101	34
A00307193	0.23	359	4.13	4.9	480	0.02	551	0.14	34	63
A00307194	0.94	423	2.27	3.3	940	0.37	255	0.38	106	38
A00307195	1.24	491	3.01	3.0	1030	0.57	384	0.42	113	51
A00307196	1.18	322	3.19	3.5	970	0.45	587	0.39	104	34
A00307197	0.79	254	2.03	8.1	840	0.40	189	0.33	105	39
A00307198	0.73	390	1.64	2.2	980	0.56	201	0.43	111	49
A00307199	1.38	475	3.48	6.1	760	1.50	307	0.35	105	44
A00307200	1.81	325	2.67	4.9	680	1.58	328	0.40	140	60
A00307201	1.45	305	2.72	6.2	690	1.16	1120	0.42	138	34
A00307202	1.35	337	2.46	5.4	670	1.48	727	0.42	130	47
A00307203	1.22	401	2.11	5.4	660	1.34	623	0.38	137	48
A00307204	1.24	324	2.60	5.9	750	1.63	331	0.39	124	38
A00307205	1.22	250	2.75	6.1	630	2.46	281	0.36	130	36
A00307206	1.22	322	3.02	4.5	810	1.33	328	0.44	133	36
A00307207	0.69	650	2.76	13.1	740	0.23	667	0.21	72	73
A00307208	1.64	366	3.03	6.7	730	1.23	343	0.44	136	41
A00307209	1.25	302	2.63	5.7	620	1.91	325	0.33	124	38
A00307210	1.45	367	2.96	5.4	660	1.28	370	0.44	140	39
A00307211	0.26	294	4.16	5.3	370	<0.01	590	0.14	29	41
A00307212	1.73	344	2.84	6.5	620	1.22	364	0.45	142	37
A00307213	1.67	384	3.31	4.7	610	0.59	379	0.41	135	41
A00307214	1.37	378	2.80	7.0	620	1.01	308	0.37	127	44
A00307215	1.94	404	3.19	5.9	690	1.08	358	0.43	143	42
A00307216	1.80	323	2.75	6.2	780	1.59	332	0.39	147	34
A00307217	1.63	324	2.74	5.7	710	1.32	325	0.40	129	34
A00307218	1.73	396	3.26	4.3	800	0.96	360	0.52	149	233
A00307219	1.65	292	3.02	5.0	600	1.18	353	0.45	143	34
A00307220	2.12	501	3.17	6.1	770	1.19	354	0.54	150	38
A00307221	2.08	541	3.20	3.7	860	1.00	365	0.58	175	44
A00307222	1.46	285	2.96	4.8	850	1.01	348	0.54	171	38
*Dup A00307222	1.45	405	2.90	5.1	860	0.87	349	0.57	171	45
*Rep A00307166	0.79	321	2.14	4.1	690	0.65	318	0.32	87	50
*Rep A00307220	2.05	461	3.18	6.2	810	1.06	342	0.56	153	49
*Std CH-4	1.20	436	3.14	43.6	570	0.65	202	0.27	93	189

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*Std CH-4	1.41	445	3.26	45.9	640	0.59	216	0.28	88	189
*Blk BLANK	<0.01	5	<0.01	0.6	<50	<0.01	<0.5	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307149	27.3	0.72	16	0.9	0.06	0.14	23.0	17.7	5	20.9
A00307150	39.2	0.77	47	0.8	1.14	0.24	24.6	12.6	7	16.3
A00307151	51.2	1.15	5	0.7	0.12	0.33	17.9	12.9	<5	11.8
A00307152	26.9	0.57	4	0.8	0.30	0.11	20.1	11.1	<5	16.1
A00307153	31.7	0.60	2	0.8	0.09	0.06	18.8	10.0	<5	16.6
A00307154	24.6	0.41	84	0.8	0.06	0.07	19.3	11.5	7	17.3
A00307155	12.8	0.03	1	1.8	0.05	0.04	13.5	4.0	<5	20.4
A00307156	23.9	0.61	32	0.8	0.09	0.10	17.1	11.6	<5	16.0
A00307157	21.9	0.86	19	0.6	0.09	0.08	17.9	12.5	<5	14.8
A00307158	22.1	1.01	83	0.7	0.28	0.27	19.4	11.0	7	16.0
A00307159	20.1	1.04	39	0.6	0.11	0.23	22.9	10.6	<5	15.6
A00307160	19.3	0.71	32	0.6	0.10	0.17	19.3	9.9	<5	14.5
A00307161	18.3	1.17	3	0.7	0.19	0.17	21.0	15.3	<5	18.7
A00307162	15.0	0.98	4	0.7	0.15	0.11	22.5	13.5	<5	16.7
A00307163	33.5	0.86	3	0.6	0.15	0.10	21.0	13.2	<5	16.3
A00307164	12.7	0.62	4	1.2	0.29	0.20	24.5	8.1	<5	18.0
A00307165	18.6	0.78	2	0.8	0.08	0.20	25.2	14.0	<5	19.8
A00307166	20.9	1.47	6	0.6	0.11	0.23	24.7	14.0	<5	16.9
A00307167	19.8	0.54	7	0.8	1.19	0.06	22.4	9.1	<5	16.5
A00307168	24.4	0.49	17	0.9	1.10	0.10	26.0	9.6	<5	19.4
A00307169	25.2	0.37	3	0.9	0.58	0.36	19.4	9.0	<5	18.6
A00307170	28.3	0.39	72	0.9	0.29	0.10	19.5	7.7	<5	17.4
A00307171	12.4	<0.02	1	1.7	0.05	<0.02	11.3	3.8	<5	19.7
A00307172	23.5	0.68	165	0.8	0.19	0.06	19.9	9.2	<5	16.7
A00307173	27.6	1.01	4	0.9	0.61	0.09	21.5	11.1	<5	16.7
A00307174	19.8	1.02	3	0.8	0.58	0.17	18.9	10.6	<5	16.5
A00307175	21.1	0.55	2	0.8	0.09	0.06	20.0	11.1	<5	16.5
A00307176	17.9	0.77	2	0.9	0.20	0.06	21.7	11.5	<5	16.3
A00307177	21.9	2.70	5	0.7	0.27	0.47	18.4	10.7	<5	14.5
A00307178	20.7	0.86	11	0.8	0.12	0.10	18.0	9.6	<5	15.6
A00307179	26.7	0.65	10	0.8	0.11	0.20	19.9	12.4	<5	16.2
A00307180	22.8	0.58	3	0.9	0.98	0.16	24.3	11.0	<5	20.7
A00307181	24.1	0.50	2	0.9	0.38	0.11	23.2	10.7	<5	20.3
A00307182	24.7	1.13	126	0.9	4.29	0.17	23.5	13.1	7	19.0
A00307183	13.1	0.60	125	0.9	0.26	0.12	23.7	11.1	9	19.2
A00307184	15.0	0.75	127	1.0	0.11	0.21	23.6	12.2	9	19.2
A00307185	16.2	1.65	325	0.8	0.27	0.43	24.3	15.1	9	19.9
*Dup A00307185	16.5	1.82	331	0.9	0.26	0.48	23.6	15.1	9	19.9
A00307186	12.2	0.62	5	1.3	0.31	0.19	24.3	7.9	<5	17.7
A00307187	15.7	0.47	207	0.9	0.34	0.17	24.4	9.2	11	18.8
A00307188	16.2	1.47	291	0.9	3.16	0.33	27.4	12.4	10	23.2
A00307189	19.1	0.65	122	0.9	0.52	0.14	25.0	11.7	9	23.1
A00307190	29.7	0.52	45	0.9	0.13	0.07	19.7	8.9	6	19.2

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307191	29.8	0.34	59	0.9	0.10	0.04	18.4	8.9	6	19.2
A00307192	28.1	0.28	151	0.8	0.05	0.07	24.3	10.7	12	21.4
A00307193	13.5	0.03	5	1.7	0.05	0.11	11.9	3.8	<5	21.4
A00307194	18.0	0.54	131	0.8	0.27	0.09	25.2	12.1	11	22.1
A00307195	16.8	0.80	156	0.9	0.72	0.21	23.3	14.7	9	21.1
A00307196	18.9	0.51	46	0.9	0.58	0.05	26.5	13.8	8	21.0
A00307197	16.5	0.71	159	0.8	0.28	0.07	25.8	15.0	8	22.5
A00307198	14.3	0.72	195	0.9	0.09	0.20	26.6	14.2	11	22.6
A00307199	46.8	0.44	8	0.8	0.17	0.10	23.7	19.9	<5	17.6
A00307200	44.2	1.17	20	0.9	0.11	0.35	27.5	19.1	7	20.3
A00307201	52.6	0.17	54	1.0	0.07	0.06	27.1	18.9	10	19.0
A00307202	50.6	0.29	134	1.0	0.12	0.11	27.5	25.6	9	18.8
A00307203	75.8	0.48	148	0.9	0.13	0.13	27.8	18.2	12	20.2
A00307204	50.7	0.23	97	1.0	0.13	0.06	28.5	21.8	11	18.7
A00307205	36.8	0.37	66	0.9	0.14	0.08	25.9	31.9	8	17.6
A00307206	49.4	0.15	69	1.0	0.12	0.06	28.3	16.0	8	18.6
A00307207	13.1	0.58	3	1.2	0.30	0.18	26.2	8.3	<5	18.6
A00307208	43.6	0.30	46	1.0	0.10	0.08	36.6	21.2	8	21.1
A00307209	46.0	0.90	5	0.9	0.23	0.17	25.5	24.8	<5	17.2
A00307210	54.7	0.25	27	1.0	0.14	0.07	26.4	17.3	6	18.8
A00307211	12.2	<0.02	3	1.6	0.05	0.05	10.4	3.7	<5	20.2
A00307212	40.7	0.34	24	0.9	0.12	0.08	27.6	16.3	<5	17.3
A00307213	37.0	0.18	2	1.1	0.09	0.06	28.9	13.0	<5	20.0
A00307214	46.3	0.62	9	1.0	0.18	0.13	28.3	15.8	<5	18.3
A00307215	43.0	0.31	3	1.1	0.09	0.07	32.0	21.8	<5	19.4
A00307216	41.8	0.43	3	1.0	0.13	0.10	28.9	27.0	<5	19.9
A00307217	44.5	0.33	3	1.0	0.12	0.09	28.3	20.8	<5	19.1
A00307218	46.9	0.92	9	1.0	0.15	1.96	28.9	15.1	<5	20.1
A00307219	31.1	0.45	4	1.0	0.10	0.09	26.9	20.2	<5	18.6
A00307220	85.8	0.20	5	0.9	0.08	0.07	26.3	22.5	<5	18.3
A00307221	91.3	0.28	5	1.1	0.12	0.09	30.2	17.7	<5	19.3
A00307222	53.7	0.43	19	1.0	0.09	0.06	28.0	18.6	<5	17.7
*Dup A00307222	104	0.46	22	1.0	0.12	0.08	28.2	18.1	<5	18.4
*Rep A00307166	18.4	1.69	6	0.6	0.12	0.22	24.2	13.4	<5	16.5
*Rep A00307220	64.6	0.21	5	1.0	0.17	0.10	26.6	22.5	<5	18.5
*Std CH-4	112	1.98	7	0.7	0.64	1.02	27.5	23.9	<5	17.9

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	119	1.93	9	0.7	0.70	0.97	29.3	24.8	<5	19.3
*Blk BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00307149	0.42	0.03	10.9	0.23	26.9	4.8	9.3	92.4	0.09	14.6
A00307150	0.71	0.12	13.3	0.15	58.1	3.9	11.3	75.7	20.0	8.7
A00307151	1.30	0.08	8.8	0.20	319	4.0	11.5	23.9	1.26	12.4
A00307152	0.72	0.08	9.8	0.10	29.2	4.1	9.2	67.1	0.62	8.2
A00307153	0.70	0.02	9.1	0.11	45.6	4.1	9.1	58.8	0.13	8.0
A00307154	0.80	0.02	9.6	0.09	24.5	4.2	10.4	80.3	0.76	7.9
A00307155	0.65	<0.02	6.6	0.06	2.34	3.5	15.9	22.7	0.42	1.9
A00307156	0.72	0.03	8.4	0.08	19.0	3.9	9.0	74.1	0.37	7.2
A00307157	0.62	0.04	9.0	0.08	27.2	3.9	7.7	76.0	0.31	7.2
A00307158	0.60	0.08	9.7	0.11	23.9	4.1	12.3	71.7	2.49	6.2
A00307159	0.71	0.05	11.9	0.10	6.54	3.9	10.9	61.1	2.24	4.6
A00307160	0.61	0.04	10.0	0.08	5.14	3.7	9.4	56.6	1.31	4.5
A00307161	0.47	0.06	10.5	0.16	20.8	5.3	13.3	67.9	0.22	8.3
A00307162	0.42	0.05	11.3	0.16	70.0	4.4	8.7	70.7	0.72	7.7
A00307163	0.45	0.06	10.7	0.14	30.1	4.4	7.1	62.9	0.35	6.7
A00307164	0.39	0.08	13.6	0.12	144	6.9	19.1	68.6	0.52	6.2
A00307165	0.46	0.04	12.5	0.20	21.0	5.2	11.5	50.0	0.33	9.1
A00307166	0.48	0.07	12.7	0.16	22.3	4.2	7.9	65.4	0.42	7.4
A00307167	0.67	0.05	11.5	0.07	3.02	4.2	8.3	58.3	0.83	4.9
A00307168	0.98	0.03	13.5	0.10	5.50	5.2	10.8	65.4	1.18	5.4
A00307169	0.87	0.08	10.0	0.08	3.16	4.6	39.1	68.1	0.22	5.3
A00307170	0.88	0.03	10.0	0.07	2.43	4.5	13.7	52.2	0.42	4.8
A00307171	0.60	<0.02	5.2	0.06	1.80	3.5	15.0	22.8	0.32	1.9
A00307172	0.78	0.04	10.4	0.07	4.37	4.1	9.4	70.0	1.13	4.7
A00307173	0.69	0.05	10.4	0.16	36.3	4.9	8.0	48.2	0.35	8.8
A00307174	0.65	0.05	9.4	0.11	16.5	4.4	8.8	69.0	3.44	6.3
A00307175	0.66	0.03	9.9	0.11	15.9	4.3	6.9	68.8	0.20	6.5
A00307176	0.46	0.04	10.3	0.15	31.4	5.3	7.4	73.6	0.29	8.6
A00307177	0.62	0.13	9.3	0.08	23.9	3.9	11.3	74.5	2.50	5.3
A00307178	0.70	0.04	9.2	0.06	32.9	4.1	7.8	80.7	1.19	4.4
A00307179	0.83	0.04	10.0	0.10	62.8	4.4	8.0	79.2	1.46	7.1
A00307180	0.58	0.03	11.6	0.21	38.5	4.8	12.7	52.4	0.80	9.6
A00307181	0.60	0.03	10.9	0.22	37.0	5.0	8.0	50.2	0.38	9.9
A00307182	0.49	0.04	10.9	0.18	61.0	5.4	33.7	82.7	19.1	10.0
A00307183	0.34	0.03	11.1	0.17	25.2	5.7	9.1	112	18.4	9.7
A00307184	0.37	0.04	11.5	0.18	30.4	5.8	10.1	105	17.2	10.2
A00307185	0.47	0.05	11.5	0.16	35.4	5.8	12.8	98.9	52.4	9.1
*Dup A00307185	0.49	0.12	11.2	0.16	54.0	5.8	12.4	98.4	54.4	9.0
A00307186	0.40	0.12	13.5	0.12	147	6.8	18.7	58.5	0.55	5.8
A00307187	0.47	0.03	11.8	0.17	27.3	5.7	11.9	93.4	36.2	9.1
A00307188	0.51	0.06	14.0	0.20	58.2	5.7	46.3	89.0	62.2	9.6
A00307189	0.60	0.03	12.7	0.15	20.9	5.7	19.9	136	22.8	10.9
A00307190	0.97	0.03	10.1	0.08	34.4	4.6	14.8	70.5	4.38	5.5

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00307191	0.91	0.02	9.3	0.07	28.8	4.6	9.9	88.0	2.71	6.1
A00307192	0.50	0.03	12.9	0.15	17.7	5.2	9.1	108	9.47	10.4
A00307193	0.66	0.02	5.5	0.06	1.03	3.8	22.1	25.2	0.52	2.1
A00307194	0.47	0.03	12.7	0.15	44.1	5.6	14.1	109	4.42	10.7
A00307195	0.36	0.03	10.6	0.16	53.5	5.9	17.8	111	23.4	12.9
A00307196	0.47	0.03	12.1	0.22	34.9	6.6	10.8	87.4	0.86	12.2
A00307197	0.43	0.04	13.6	0.16	72.4	5.9	8.9	114	5.18	12.0
A00307198	0.43	0.04	13.5	0.16	28.2	5.6	12.0	123	17.2	11.7
A00307199	1.21	0.02	11.9	0.18	26.1	3.5	10.7	61.9	0.80	16.0
A00307200	1.02	<0.02	13.8	0.16	13.9	4.5	16.7	97.7	31.3	16.4
A00307201	1.20	<0.02	13.8	0.17	43.5	5.3	8.4	72.3	3.21	15.8
A00307202	1.15	<0.02	13.8	0.17	42.4	4.8	9.8	68.0	19.9	15.9
A00307203	1.22	<0.02	14.5	0.18	38.6	5.1	16.6	79.9	23.2	15.9
A00307204	1.10	0.02	14.5	0.17	23.5	4.8	9.1	78.7	11.3	16.0
A00307205	0.83	<0.02	12.5	0.14	29.3	3.3	10.5	76.6	12.2	14.8
A00307206	1.20	0.03	14.1	0.18	14.7	5.3	6.8	68.5	10.4	16.2
A00307207	0.40	0.08	14.7	0.12	151	6.9	19.1	71.4	0.52	6.5
A00307208	1.12	0.03	19.0	0.24	54.2	6.4	9.4	77.9	11.7	17.1
A00307209	0.91	0.05	13.3	0.16	67.5	4.2	10.1	59.1	7.46	14.3
A00307210	1.16	0.03	13.3	0.18	23.5	5.6	8.5	64.9	3.52	16.1
A00307211	0.57	<0.02	4.6	0.05	2.15	3.6	12.9	22.5	0.37	2.1
A00307212	0.93	0.02	14.4	0.17	34.9	5.3	10.4	68.5	2.07	15.8
A00307213	0.93	0.03	15.3	0.17	26.7	6.1	8.9	62.6	0.25	16.0
A00307214	0.96	0.03	14.8	0.17	59.3	5.7	26.0	64.7	13.3	14.8
A00307215	0.99	0.02	16.1	0.19	39.9	5.8	9.8	67.5	0.33	17.9
A00307216	0.87	0.03	14.3	0.17	41.9	4.4	9.9	73.3	0.44	18.0
A00307217	0.89	0.03	14.2	0.17	52.4	4.6	8.7	70.1	0.38	17.5
A00307218	0.91	0.03	14.2	0.20	42.5	5.9	42.1	73.6	13.2	20.6
A00307219	0.68	0.02	12.7	0.16	31.7	4.4	10.2	85.2	0.80	20.2
A00307220	0.84	0.03	12.4	0.19	35.2	5.6	8.3	68.2	0.88	20.2
A00307221	1.17	0.03	15.4	0.23	20.4	6.1	15.2	71.6	0.63	22.6
A00307222	0.85	0.04	13.9	0.21	57.2	5.4	9.4	75.1	2.37	22.6
*Dup A00307222	1.01	0.04	14.1	0.21	33.5	5.9	11.6	78.6	2.89	22.3
*Rep A00307166	0.48	0.06	12.4	0.16	21.9	4.1	9.4	64.4	0.38	7.2
*Rep A00307220	1.05	0.04	12.5	0.19	35.6	5.6	10.5	67.1	0.87	20.3
*Std CH-4	2.84	0.11	14.5	0.14	2.94	3.7	19.1	78.0	0.63	12.8

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	2.92	0.12	15.8	0.14	3.23	3.8	22.0	86.4	0.68	14.1
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	1.3	<0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307149	<2	0.7	0.42	0.54	<0.05	1.6	0.65	0.55	0.9	15.4
A00307150	<2	0.4	0.23	0.37	0.52	2.5	0.45	0.91	1.4	12.7
A00307151	<2	1.3	0.23	0.40	0.07	1.7	0.22	0.74	21.5	13.9
A00307152	<2	0.4	0.25	0.26	0.13	2.5	0.38	1.40	1.0	7.9
A00307153	<2	0.4	0.24	0.26	0.07	2.3	0.34	1.21	1.7	7.8
A00307154	<2	0.4	0.26	0.23	<0.05	3.0	0.49	1.58	0.5	6.4
A00307155	<2	0.7	0.15	0.13	<0.05	1.4	0.24	0.64	0.2	3.9
A00307156	<2	0.4	0.23	0.22	<0.05	2.7	0.44	1.60	0.7	6.5
A00307157	2	0.4	0.22	0.23	<0.05	2.6	0.48	1.33	0.7	6.8
A00307158	2	0.5	0.23	0.28	0.14	1.9	0.60	1.01	1.3	8.9
A00307159	3	0.4	0.30	0.29	0.10	3.4	0.51	1.81	0.7	7.1
A00307160	2	0.4	0.22	0.21	0.06	2.4	0.42	1.28	0.6	6.3
A00307161	4	0.6	0.27	0.42	0.12	1.2	0.41	0.51	1.2	13.6
A00307162	3	0.4	0.23	0.41	0.08	1.2	0.41	0.63	1.7	13.3
A00307163	2	0.5	0.20	0.37	0.09	0.9	0.39	0.48	1.4	12.1
A00307164	<2	2.4	0.30	0.27	0.11	4.1	0.44	0.73	0.5	9.2
A00307165	3	0.6	0.38	0.49	<0.05	1.1	0.32	0.63	0.8	16.2
A00307166	3	0.5	0.21	0.41	0.07	1.0	0.39	0.75	1.0	13.0
A00307167	<2	0.4	0.25	0.22	0.60	2.7	0.37	1.72	0.8	5.9
A00307168	<2	0.5	0.41	0.30	0.57	4.5	0.44	2.79	1.4	7.3
A00307169	<2	0.4	0.28	0.21	0.22	3.3	0.42	1.77	2.5	6.1
A00307170	<2	0.4	0.28	0.22	0.12	3.1	0.37	1.66	0.6	6.4
A00307171	<2	0.6	0.16	0.12	<0.05	1.1	0.23	0.41	0.2	3.4
A00307172	<2	0.4	0.26	0.21	0.08	3.2	0.47	1.73	0.9	6.0
A00307173	<2	0.9	0.25	0.38	0.31	1.6	0.33	1.00	1.2	12.5
A00307174	<2	0.5	0.24	0.28	0.26	2.2	0.39	1.23	0.8	8.5
A00307175	<2	0.4	0.24	0.30	0.05	2.1	0.39	1.22	0.9	9.0
A00307176	<2	0.5	0.26	0.39	0.11	1.0	0.42	0.57	1.3	12.7
A00307177	<2	0.4	0.23	0.22	0.11	2.6	0.44	1.18	7.8	6.6
A00307178	<2	0.4	0.23	0.20	0.07	2.7	0.50	1.44	1.7	5.3
A00307179	<2	0.5	0.26	0.26	0.07	2.7	0.51	1.49	1.2	7.9
A00307180	<2	0.7	0.25	0.50	0.36	1.2	0.40	0.81	1.9	17.6
A00307181	<2	0.7	0.26	0.47	0.18	1.1	0.38	0.71	1.6	16.6
A00307182	2	0.9	0.28	0.45	1.79	0.9	1.22	0.68	17.6	14.2
A00307183	<2	0.6	0.29	0.46	0.12	1.0	1.44	0.63	34.5	14.3
A00307184	<2	0.7	0.31	0.48	<0.05	1.0	1.38	0.70	34.5	15.3
A00307185	3	0.9	0.30	0.44	0.06	0.8	4.05	1.01	60.3	13.2
*Dup A00307185	3	0.9	0.30	0.44	0.08	0.9	4.29	0.98	59.1	13.2
A00307186	<2	2.5	0.30	0.27	0.14	4.0	0.46	0.74	0.6	9.1
A00307187	<2	0.8	0.30	0.44	0.10	0.9	2.10	0.64	32.2	13.9
A00307188	<2	1.0	0.36	0.53	0.97	1.4	2.92	1.29	52.3	13.3
A00307189	<2	0.6	0.84	0.39	0.21	1.6	2.23	1.02	34.2	12.1
A00307190	<2	0.4	0.29	0.21	0.06	3.2	0.88	2.17	14.1	6.2

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Element Method Det.Lim. Units	Se ICM40B	Sn ICM40B	Ta ICM40B	Tb ICM40B	Te ICM40B	Th ICM40B	Tl ICM40B	U ICM40B	W ICM40B	Y ICM40B
	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00307191	<2	0.4	0.28	0.22	<0.05	2.9	0.86	1.96	14.2	6.4
A00307192	<2	0.5	0.29	0.39	<0.05	1.0	1.57	0.52	37.6	12.9
A00307193	<2	0.7	0.18	0.12	<0.05	1.6	0.24	0.71	0.3	3.3
A00307194	<2	0.5	0.30	0.40	0.12	1.3	1.45	0.65	27.0	13.0
A00307195	<2	0.6	0.32	0.45	0.30	1.1	1.24	0.43	16.4	15.5
A00307196	<2	0.7	0.43	0.62	0.24	1.7	0.93	0.62	5.9	16.4
A00307197	<2	0.6	0.31	0.43	0.13	1.0	1.60	0.46	26.3	14.3
A00307198	<2	0.9	0.30	0.44	<0.05	1.0	1.88	0.51	64.3	14.6
A00307199	4	0.8	0.23	0.43	<0.05	2.4	0.66	0.90	2.5	15.3
A00307200	3	0.9	0.30	0.42	0.05	2.7	1.15	0.89	3.3	14.2
A00307201	2	0.9	0.34	0.40	<0.05	2.6	0.89	0.87	3.3	13.8
A00307202	4	0.8	0.31	0.43	<0.05	2.6	0.80	0.97	7.2	14.6
A00307203	2	0.8	0.32	0.44	<0.05	2.8	1.07	0.95	12.9	15.0
A00307204	3	0.7	0.31	0.43	<0.05	2.7	0.99	0.86	11.3	14.7
A00307205	4	0.7	0.23	0.40	0.06	2.5	0.89	0.73	6.4	13.0
A00307206	<2	0.8	0.34	0.45	<0.05	2.6	0.92	0.91	10.2	15.5
A00307207	<2	2.5	0.30	0.27	0.12	4.2	0.44	0.83	0.8	9.3
A00307208	3	1.0	0.46	0.64	<0.05	3.6	0.99	1.17	7.6	18.2
A00307209	4	1.0	0.28	0.39	0.08	2.5	0.60	0.87	3.4	13.5
A00307210	3	1.0	0.36	0.42	<0.05	2.6	0.74	0.85	3.1	14.6
A00307211	<2	0.7	0.17	0.11	<0.05	1.9	0.24	0.54	0.2	3.3
A00307212	3	0.9	0.34	0.40	<0.05	2.7	0.77	0.73	2.3	14.9
A00307213	2	1.0	0.39	0.42	<0.05	2.8	0.68	0.78	1.0	15.1
A00307214	<2	1.0	0.36	0.41	0.06	2.8	0.67	0.78	1.4	14.7
A00307215	3	1.0	0.37	0.47	<0.05	2.7	0.76	0.76	1.8	16.4
A00307216	4	0.8	0.27	0.46	<0.05	2.4	0.74	0.66	1.3	15.9
A00307217	3	0.8	0.28	0.45	<0.05	2.4	0.69	0.66	1.3	15.6
A00307218	2	1.0	0.36	0.52	0.06	2.3	0.73	0.68	1.4	17.6
A00307219	3	0.9	0.28	0.47	<0.05	2.3	0.80	0.57	2.0	16.0
A00307220	2	0.9	0.32	0.49	<0.05	1.9	0.67	0.63	1.7	17.1
A00307221	2	1.0	0.37	0.57	<0.05	2.4	0.72	0.80	1.7	20.7
A00307222	3	1.0	0.32	0.51	<0.05	2.1	0.76	0.73	2.1	17.5
*Dup A00307222	2	1.1	0.34	0.52	<0.05	2.5	0.77	0.81	2.2	17.7
*Rep A00307166	3	0.5	0.20	0.40	0.08	1.1	0.40	0.75	1.1	12.7
*Rep A00307220	3	1.0	0.33	0.48	<0.05	2.0	0.71	0.67	1.7	16.9
*Std CH-4	<2	0.9	0.24	0.33	0.44	2.0	0.39	0.64	2.6	10.0

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	<2	1.0	0.24	0.33	0.48	2.2	0.41	0.69	4.3	10.6
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307149	1.5
A00307150	1.1
A00307151	1.5
A00307152	0.7
A00307153	0.8
A00307154	0.6
A00307155	0.4
A00307156	0.6
A00307157	0.6
A00307158	0.8
A00307159	0.6
A00307160	0.5
A00307161	1.2
A00307162	1.2
A00307163	1.1
A00307164	0.9
A00307165	1.5
A00307166	1.2
A00307167	0.5
A00307168	0.6
A00307169	0.5
A00307170	0.5
A00307171	0.4
A00307172	0.5
A00307173	1.2
A00307174	0.8
A00307175	0.8
A00307176	1.2
A00307177	0.6
A00307178	0.4
A00307179	0.7
A00307180	1.6
A00307181	1.6
A00307182	1.4
A00307183	1.3
A00307184	1.3
A00307185	1.2
*Dup A00307185	1.2
A00307186	0.9
A00307187	1.3
A00307188	1.3
A00307189	1.1
A00307190	0.5

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307191	0.5
A00307192	1.1
A00307193	0.4
A00307194	1.1
A00307195	1.3
A00307196	1.4
A00307197	1.2
A00307198	1.3
A00307199	1.4
A00307200	1.2
A00307201	1.3
A00307202	1.3
A00307203	1.4
A00307204	1.3
A00307205	1.1
A00307206	1.4
A00307207	0.9
A00307208	1.6
A00307209	1.2
A00307210	1.3
A00307211	0.4
A00307212	1.3
A00307213	1.4
A00307214	1.4
A00307215	1.5
A00307216	1.4
A00307217	1.4
A00307218	1.5
A00307219	1.3
A00307220	1.5
A00307221	1.8
A00307222	1.7
*Dup A00307222	1.7
*Rep A00307166	1.2
*Rep A00307220	1.5
*Std CH-4	1.0

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*Std CH-4	1.1
*Bik BLANK	<0.1

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Certificate of Analysis

Work Order: VC122466

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 23, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE-0010-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 17, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307223	5.995	16	7.84	508	4.24	16	1430	4.70	1.74	9
A00307224	6.830	16	7.90	468	2.49	18	1350	4.91	1.91	8
A00307225	6.615	15	7.92	399	2.22	15	1590	5.10	1.92	9
A00307226	1.965	<5	4.37	976	0.78	12	7.4	1.26	2.40	6
A00307227	6.725	14	7.98	295	2.82	15	1130	4.66	1.61	7
A00307228	6.990	10	8.47	293	3.10	15	1080	4.92	1.49	7
A00307229	7.175	21	8.08	561	3.21	16	704	4.85	1.81	20
A00307230	5.810	22	8.30	720	3.01	17	1220	4.57	2.14	30
A00307231	7.110	21	7.95	691	2.79	14	1310	4.42	2.08	23
A00307232	6.785	19	8.29	561	2.27	15	1010	4.33	2.11	9
A00307233	7.010	16	8.60	326	2.77	18	849	5.38	1.42	7
A00307234	6.635	20	8.46	249	3.28	18	1280	4.04	1.24	7
A00307235	6.920	31	8.08	209	3.51	19	2170	3.69	1.05	5
A00307236	7.275	13	8.37	416	3.47	18	1120	4.98	1.30	6
A00307237	0.105	316	6.87	1390	2.02	17	1750	3.90	2.40	9
A00307238	6.430	20	8.03	331	3.56	14	1240	3.46	1.54	7
A00307239	6.435	35	8.38	254	3.64	18	1770	3.84	1.40	8
A00307240	6.035	11	7.50	812	2.35	16	426	2.50	2.46	5
A00307241	6.310	9	7.26	747	2.49	12	365	2.37	2.44	10
A00307242	6.790	10	7.26	777	2.00	12	589	2.39	2.74	8
A00307243	7.035	10	7.18	773	2.15	12	513	2.49	2.63	6
A00307244	6.655	23	6.77	759	2.27	16	1080	2.47	2.61	5
A00307245	6.360	14	7.09	767	2.23	15	1150	2.51	2.55	4
A00307246	8.105	20	6.60	724	2.04	15	1070	2.44	2.41	5
A00307247	3.025	43	8.11	390	2.24	7	1780	4.15	2.50	7
A00307248	2.325	88	7.69	437	1.88	7	4020	4.91	2.99	7
A00307249	2.455	37	7.81	355	1.93	7	3560	4.44	2.58	6
A00307250	2.290	30	7.43	375	1.54	8	2210	4.50	2.40	7
A00307251	3.335	<5	4.32	869	0.86	8	7.9	1.23	2.15	6
A00307252	2.510	142	8.19	449	1.71	6	6590	4.79	2.92	7
A00307253	2.185	32	7.79	326	1.92	20	2640	4.19	2.56	8
A00307254	2.355	25	8.87	416	2.20	20	1570	4.90	2.28	7
A00307255	0.105	423	6.10	483	1.97	39	5270	3.87	0.96	14
A00307256	2.410	37	8.07	477	1.84	22	2470	4.87	2.85	8
A00307257	2.280	13	8.58	388	3.04	23	1030	4.56	1.72	6
A00307258	2.440	21	8.41	470	2.91	27	1340	5.30	1.89	7
A00307259	1.020	16	8.43	477	2.78	27	1090	4.58	1.95	7
*Dup A00307259	N.A.	15	8.79	463	2.91	26	1210	4.76	1.87	6
A00307260	2.345	16	8.67	413	3.09	27	803	5.33	1.84	7
A00307261	2.270	57	8.27	323	3.87	26	4050	4.57	1.97	8
A00307262	2.345	45	7.78	383	3.15	25	3370	4.49	2.20	8
A00307263	2.075	49	7.46	338	2.50	20	2740	3.42	2.24	9
A00307264	2.320	45	7.29	322	2.22	19	2740	3.88	1.96	7

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307265	2.230	60	8.32	1100	2.12	20	4210	4.39	2.88	8
A00307266	0.100	232	7.47	1440	2.10	22	1710	4.02	2.43	9
A00307267	2.425	75	7.18	336	2.26	10	2790	3.16	2.63	6
A00307268	2.155	68	7.93	304	2.91	13	3730	3.33	2.30	9
A00307269	4.490	31	7.07	790	2.01	11	1690	2.66	3.10	5
A00307270	4.225	34	7.71	830	2.45	9	2270	2.89	3.00	8
A00307271	2.000	43	7.07	745	2.47	18	2170	2.70	2.76	4
A00307272	6.790	24	6.73	734	3.25	14	1380	2.50	2.71	5
A00307273	6.135	33	6.57	645	2.34	13	2280	2.68	2.68	5
A00307274	2.740	<5	4.90	846	0.78	12	10.6	1.51	2.30	6
A00307275	3.255	51	7.66	493	3.02	15	3550	3.12	3.04	6
A00307276	3.030	45	7.92	561	2.72	16	2720	3.34	2.80	6
A00307277	2.100	38	7.72	579	3.07	15	2100	3.34	2.85	5
A00307278	2.430	40	7.09	492	3.36	13	2490	2.80	2.82	8
A00307279	1.960	43	6.94	339	3.82	11	>10000	4.77	2.88	7
A00307280	3.470	29	7.93	388	3.01	22	2150	4.14	2.57	8
A00307281	3.570	37	7.68	440	3.02	28	2430	4.42	2.62	8
A00307282	6.795	18	8.31	274	3.62	22	1830	4.58	2.24	8
A00307283	3.185	26	8.26	216	4.35	25	2920	4.61	1.87	8
A00307284	4.930	60	6.19	781	1.93	13	4720	2.99	3.06	5
A00307285	3.395	35	7.66	396	2.25	19	3050	4.43	2.42	6
A00307286	2.405	117	7.45	364	2.38	14	2650	3.98	2.35	7
A00307287	0.105	534	6.14	459	2.05	41	4960	3.84	0.96	13
A00307288	2.375	63	7.87	270	2.98	20	5300	4.67	2.23	9
A00307289	2.510	47	7.69	314	2.54	20	4350	4.99	2.35	8
A00307290	3.870	51	7.70	286	2.58	18	4130	4.76	2.17	7
A00307291	3.615	44	7.61	326	2.84	15	3880	5.81	2.03	7
A00307292	2.575	<5	5.16	1000	0.67	9	13.2	1.44	2.31	6
A00307293	7.575	52	7.19	798	1.97	12	1580	2.41	2.71	4
A00307294	7.065	27	6.90	727	2.12	14	1840	2.32	2.95	7
A00307295	6.940	62	6.84	722	2.05	13	1800	2.49	2.75	6
A00307296	6.780	56	6.12	705	1.72	12	2610	1.69	3.27	8
*Dup A00307296	N.A.	52	6.22	758	1.73	13	2800	2.02	3.32	8
*Rep A00307223		16								
*Rep A00307271		53								
*Std SH65		1370								
*Std OXF100		793								
*Std AMIS0258		3350								
*Std SH65		1340								
*Blk BLANK		<5								
*Rep A00307257			8.42	402	3.06	24	1060	4.52	1.72	7
*Rep A00307266			7.49	1410	2.11	19	1690	3.98	2.48	9
*Std CH-4			7.25	412	1.67	82	1960	4.95	1.87	13

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Final : VC122466 Order: PROJ: /SHIPMENT: RRLE-0010-2012

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*Bik BLANK	0.33	9	0.02	3	<0.5	0.04	0.01	<1
*Bik BLANK	0.42	13	0.02	3	<0.5	0.04	0.03	<1
*Std CH-4	7.10	454	1.72	88	1960	5.09	1.83	13

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307223	1.52	498	2.72	4.0	730	1.57	368	0.49	171	47
A00307224	1.67	424	2.81	4.4	750	1.49	354	0.49	179	42
A00307225	1.99	407	2.85	3.8	760	1.72	382	0.46	167	46
A00307226	0.26	294	3.80	4.8	310	0.04	505	0.12	34	107
A00307227	1.72	509	2.83	3.8	770	1.46	374	0.46	165	60
A00307228	1.74	594	3.07	5.1	820	1.59	357	0.51	179	57
A00307229	1.76	490	2.63	5.1	840	0.67	358	0.55	176	66
A00307230	1.59	501	2.66	4.3	850	1.16	388	0.53	164	59
A00307231	1.53	393	2.65	4.7	820	1.08	385	0.49	167	54
A00307232	2.01	381	2.93	5.0	800	0.65	386	0.52	173	46
A00307233	1.54	531	3.11	5.8	780	0.83	335	0.46	160	74
A00307234	1.29	433	2.85	4.5	780	1.23	344	0.39	134	47
A00307235	1.17	452	2.92	4.7	750	1.69	351	0.35	151	61
A00307236	1.58	535	3.18	5.1	750	1.57	418	0.45	176	81
A00307237	0.62	679	2.71	18.6	710	0.27	682	0.20	72	76
A00307238	1.58	362	2.51	3.9	670	1.13	341	0.36	147	40
A00307239	1.39	396	2.46	3.8	740	0.93	387	0.40	157	43
A00307240	0.64	327	2.76	5.4	790	0.17	551	0.20	61	38
A00307241	0.55	270	2.50	5.6	810	0.17	484	0.22	67	31
A00307242	0.66	226	2.51	8.5	780	0.29	481	0.21	68	29
A00307243	0.66	286	2.67	5.2	770	0.24	531	0.21	66	32
A00307244	0.77	302	2.53	4.9	780	0.31	511	0.21	75	60
A00307245	0.76	339	2.60	5.2	790	0.28	520	0.22	72	36
A00307246	0.70	290	2.41	5.5	760	0.21	466	0.20	76	40
A00307247	1.75	446	3.10	2.5	1120	0.38	398	0.45	183	65
A00307248	1.80	374	2.95	1.6	990	0.65	334	0.43	175	63
A00307249	1.95	363	3.22	1.5	1070	0.74	292	0.42	163	60
A00307250	1.86	331	3.12	1.5	970	0.70	314	0.42	167	80
A00307251	0.24	263	3.71	3.6	320	<0.01	534	0.11	32	31
A00307252	2.11	391	3.48	3.0	1050	1.59	332	0.44	168	90
A00307253	2.41	441	3.07	2.9	670	0.82	311	0.39	170	63
A00307254	2.25	519	3.77	4.2	710	0.60	440	0.45	184	54
A00307255	0.92	648	2.15	24.3	440	0.65	281	0.26	102	55
A00307256	2.62	448	2.96	4.2	630	0.53	422	0.44	196	62
A00307257	1.92	594	3.44	4.3	700	0.89	461	0.45	194	58
A00307258	1.92	493	3.41	3.6	690	1.06	417	0.48	204	67
A00307259	2.03	472	3.59	4.1	720	0.93	430	0.48	206	62
*Dup A00307259	1.95	475	3.63	4.7	720	1.15	443	0.49	205	68
A00307260	2.08	561	3.41	5.1	700	0.76	453	0.45	207	71
A00307261	1.58	466	2.74	4.8	600	1.16	356	0.41	197	63
A00307262	1.58	384	2.09	6.1	600	1.19	364	0.37	174	62
A00307263	1.48	272	1.87	4.5	590	1.32	359	0.29	118	122
A00307264	1.17	247	2.29	5.8	650	1.45	314	0.29	116	46

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A00307265	1.80	311	2.93	3.5	640	0.98	386	0.38	173	66
A00307266	0.62	734	2.74	11.9	740	0.27	692	0.20	76	84
A00307267	0.86	243	3.37	2.4	530	0.70	196	0.29	106	46
A00307268	0.84	246	2.86	3.8	540	1.30	241	0.27	102	48
A00307269	0.52	227	2.40	4.4	760	0.42	460	0.20	73	33
A00307270	0.64	213	2.18	1.6	770	0.57	349	0.23	87	29
A00307271	0.46	247	2.43	5.4	760	0.45	491	0.22	74	36
A00307272	0.37	314	2.14	4.9	750	0.40	440	0.19	68	55
A00307273	0.69	275	2.21	5.1	690	0.46	399	0.22	79	40
A00307274	0.27	438	4.20	4.3	370	0.10	494	0.12	32	90
A00307275	1.38	305	2.07	3.8	580	0.58	310	0.29	115	42
A00307276	1.33	296	2.53	2.8	660	0.48	388	0.31	115	48
A00307277	1.16	413	2.33	3.7	700	0.34	407	0.29	105	52
A00307278	0.93	331	2.07	3.1	700	0.44	317	0.26	97	74
A00307279	1.03	459	1.45	6.6	440	2.73	242	0.27	100	44
A00307280	1.91	419	1.81	4.4	570	0.53	369	0.36	157	50
A00307281	2.00	451	1.84	4.6	600	0.62	385	0.36	162	60
A00307282	2.01	478	1.87	3.7	640	0.91	376	0.42	162	93
A00307283	1.79	609	2.09	4.1	580	0.92	360	0.41	170	87
A00307284	0.55	227	1.79	4.7	580	0.65	355	0.19	78	46
A00307285	1.69	357	2.52	4.5	710	0.71	352	0.35	140	59
A00307286	1.75	333	2.32	3.6	640	0.84	326	0.36	145	61
A00307287	0.96	648	2.15	25.6	430	0.61	272	0.27	101	49
A00307288	1.63	351	1.91	4.6	560	1.09	306	0.34	147	70
A00307289	1.80	454	1.90	3.5	580	1.02	304	0.35	131	81
A00307290	1.90	398	2.01	3.1	590	0.75	325	0.35	135	67
A00307291	1.83	442	2.01	3.4	620	0.89	332	0.34	145	71
A00307292	0.26	464	4.11	4.1	340	0.03	529	0.12	32	67
A00307293	0.61	230	2.39	4.4	740	0.36	463	0.20	70	37
A00307294	0.48	227	2.14	4.1	650	0.37	392	0.18	64	26
A00307295	0.48	275	2.29	6.3	640	0.31	448	0.19	60	30
A00307296	0.46	313	1.74	4.6	580	0.53	307	0.17	57	42
*Dup A00307296	0.46	265	1.82	3.7	640	0.57	314	0.18	63	65
*Rep A00307257	1.95	680	3.44	4.9	700	0.90	458	0.46	192	52
*Rep A00307266	0.63	694	2.78	11.8	710	0.25	704	0.18	72	76
*Std CH-4	1.17	447	3.19	42.6	570	0.64	209	0.26	92	206

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*Bik BLANK	<0.01	36	<0.01	0.7	<50	<0.01	4.3	<0.01	<2	<1
*Bik BLANK	0.01	39	<0.01	<0.5	<50	<0.01	5.6	<0.01	<2	2
*Std CH-4	1.20	438	3.08	42.2	550	0.68	210	0.26	92	188

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307223	51.2	0.39	8	0.8	0.11	0.11	28.5	25.8	5	16.9
A00307224	26.3	0.33	8	1.0	0.08	0.08	27.0	25.5	<5	19.7
A00307225	27.6	0.49	3	1.0	0.14	0.10	26.8	28.1	<5	18.5
A00307226	13.1	<0.02	3	2.0	0.06	0.34	9.35	3.8	<5	21.1
A00307227	24.2	0.62	4	1.0	0.10	0.32	26.9	23.4	<5	20.2
A00307228	27.2	0.30	4	1.1	0.14	0.18	28.2	22.5	<5	20.1
A00307229	25.6	0.30	42	1.0	0.07	0.26	26.0	16.4	7	18.1
A00307230	27.8	0.45	55	1.1	0.32	0.25	27.3	18.9	7	18.9
A00307231	23.6	0.45	54	1.0	0.06	0.24	25.5	19.2	6	17.8
A00307232	25.4	0.33	3	1.1	0.06	0.04	27.1	15.8	6	18.7
A00307233	35.9	0.30	4	1.4	0.14	0.29	27.8	17.7	<5	20.0
A00307234	41.1	0.40	5	1.1	0.12	0.15	33.9	23.1	<5	20.5
A00307235	38.4	0.82	5	1.0	0.16	0.30	30.7	23.7	<5	18.9
A00307236	36.6	0.64	4	1.0	0.14	0.58	28.5	22.0	<5	19.0
A00307237	13.3	0.63	4	1.3	0.31	0.22	27.1	8.3	<5	18.6
A00307238	32.0	0.41	2	1.1	0.10	0.10	28.2	16.2	<5	19.4
A00307239	27.9	0.64	5	1.4	0.12	0.18	26.1	14.7	5	20.8
A00307240	29.2	0.21	2	1.1	<0.04	0.05	21.5	9.5	<5	19.5
A00307241	28.6	0.16	10	1.1	<0.04	<0.02	22.2	9.4	6	19.5
A00307242	27.9	0.31	8	1.0	0.05	0.06	27.8	10.5	<5	19.3
A00307243	27.9	0.22	12	1.1	0.05	0.05	20.8	10.0	<5	19.1
A00307244	29.0	1.44	4	1.0	0.08	0.37	20.2	11.5	<5	18.2
A00307245	28.2	0.53	3	1.0	0.09	0.09	20.2	11.0	<5	18.8
A00307246	27.3	0.41	6	0.9	<0.04	0.08	19.7	10.3	<5	17.5
A00307247	29.2	0.80	8	1.1	0.07	0.21	28.0	16.3	<5	20.5
A00307248	26.3	1.69	14	1.0	0.08	0.21	24.9	18.7	5	20.2
A00307249	24.2	1.02	2	1.2	0.08	0.20	25.7	19.3	5	19.9
A00307250	18.1	0.89	2	1.0	0.07	0.23	22.7	16.1	<5	18.8
A00307251	11.4	<0.02	1	2.1	<0.04	<0.02	9.66	3.7	<5	20.7
A00307252	20.5	2.88	13	1.0	0.12	0.66	19.7	25.0	5	19.2
A00307253	25.1	0.98	3	1.0	0.16	0.16	22.3	20.3	6	19.9
A00307254	24.4	0.48	2	1.1	<0.04	0.09	25.8	19.7	5	20.4
A00307255	36.6	1.04	5	0.8	0.14	0.27	18.6	14.0	<5	12.9
A00307256	22.0	0.78	4	1.0	0.11	0.14	24.5	16.8	6	20.3
A00307257	32.9	0.29	8	1.2	0.06	0.11	28.7	18.2	<5	21.5
A00307258	27.3	0.39	6	1.0	0.06	0.11	23.4	18.8	<5	20.7
A00307259	27.3	0.31	4	1.1	0.06	0.08	21.0	16.7	<5	20.4
*Dup A00307259	27.3	0.37	4	1.2	0.07	0.12	23.6	18.4	<5	20.4
A00307260	33.6	0.26	9	1.1	0.07	0.10	21.9	17.2	<5	20.4
A00307261	40.4	1.22	8	1.0	0.08	0.28	24.3	20.6	6	19.6
A00307262	28.9	1.16	5	1.2	0.14	0.34	19.9	15.8	6	18.5
A00307263	30.6	1.13	4	1.0	0.39	0.51	19.1	21.0	<5	18.3
A00307264	36.2	0.83	3	1.0	0.09	0.15	25.0	24.0	<5	16.2

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307265	32.1	1.77	2	1.2	0.07	0.17	29.7	18.6	5	19.6
A00307266	11.5	0.73	3	1.4	0.30	0.22	28.4	8.5	<5	18.9
A00307267	40.7	1.22	6	0.9	0.07	0.21	24.9	11.8	<5	16.6
A00307268	33.6	1.22	90	1.0	0.09	0.12	30.7	16.7	5	18.6
A00307269	26.0	0.75	10	1.0	0.10	0.10	21.5	11.6	<5	18.4
A00307270	19.8	0.89	15	1.2	0.08	0.09	27.6	11.0	6	17.3
A00307271	26.2	0.79	4	1.1	0.06	0.12	22.0	11.7	<5	19.0
A00307272	24.9	0.64	7	1.0	0.46	0.22	21.2	12.7	<5	18.2
A00307273	24.1	0.82	4	1.0	0.12	0.12	19.4	11.4	<5	16.4
A00307274	13.2	<0.02	5	2.2	0.75	0.18	9.36	4.1	<5	21.6
A00307275	26.0	1.04	2	1.0	0.08	0.12	26.0	13.9	<5	16.5
A00307276	26.8	0.79	3	1.2	0.14	0.10	24.7	14.1	6	18.2
A00307277	27.2	0.65	3	1.0	0.20	0.11	23.7	12.2	6	17.2
A00307278	21.1	0.87	67	1.1	0.11	0.24	21.9	12.1	6	17.0
A00307279	41.5	3.48	28	0.8	1.27	0.19	29.6	23.1	5	13.9
A00307280	28.7	0.71	3	0.9	0.09	0.11	21.6	17.1	6	16.0
A00307281	28.8	0.78	5	1.0	0.11	0.16	23.1	19.2	6	17.5
A00307282	24.0	0.52	15	1.0	0.12	0.24	24.6	19.3	7	19.3
A00307283	33.1	0.92	6	1.0	0.32	0.40	25.8	20.0	8	19.3
A00307284	20.0	1.62	5	0.8	0.16	0.24	17.1	13.5	<5	15.8
A00307285	25.8	0.84	3	1.1	0.09	0.17	20.3	20.1	<5	18.2
A00307286	27.8	0.85	9	1.1	0.30	0.23	20.0	18.5	<5	17.8
A00307287	33.8	1.00	5	0.9	0.11	0.28	17.6	13.8	<5	12.2
A00307288	26.1	1.48	5	1.1	0.71	0.27	24.5	23.0	6	19.7
A00307289	27.8	1.12	5	1.1	0.20	0.28	22.2	20.0	5	19.4
A00307290	27.1	1.05	3	1.0	0.06	0.21	23.5	18.3	<5	18.8
A00307291	38.7	1.64	3	1.0	0.11	0.24	24.6	22.5	<5	19.2
A00307292	12.1	0.03	2	2.0	0.16	0.09	9.72	3.9	<5	20.8
A00307293	24.4	0.75	6	1.0	0.26	0.15	21.1	10.0	<5	18.4
A00307294	22.0	0.61	86	0.9	0.15	0.11	20.1	9.3	<5	17.8
A00307295	18.3	0.66	53	1.0	0.10	0.06	19.2	11.0	<5	16.9
A00307296	22.0	0.99	31	0.8	0.29	0.07	19.6	11.2	<5	15.4
*Dup A00307296	23.1	1.08	27	0.8	0.30	0.17	19.4	11.0	<5	16.0
*Rep A00307257	40.4	0.29	8	1.0	0.09	0.09	28.6	18.1	<5	21.4
*Rep A00307266	11.0	0.66	3	1.4	0.29	0.16	27.3	8.5	<5	18.3
*Std CH-4	112	2.10	8	0.8	0.63	1.21	32.6	24.9	<5	19.2

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.80	<0.1	<5	0.2
*BIK BLANK	1.2									
*Std CH-4	112									
*BIK BLANK		<0.02	<1	<0.1	<0.04	<0.02	0.93	<0.1	<5	0.2
*Std CH-4		2.22	9	0.6	0.95	1.11	35.1	23.5	<5	18.9

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00307223	1.06	0.04	13.7	0.25	44.5	5.2	2.2	73.1	0.82	18.3
A00307224	0.69	0.03	13.0	0.21	69.7	5.4	1.4	85.0	0.59	19.0
A00307225	0.70	0.03	13.0	0.20	56.8	5.2	1.3	81.4	0.32	18.2
A00307226	0.68	0.06	4.6	0.06	1.56	3.3	9.2	29.6	0.40	1.7
A00307227	0.71	0.04	13.0	0.21	24.3	4.8	19.4	65.8	10.1	18.9
A00307228	0.76	0.06	13.9	0.22	27.9	5.5	1.5	61.1	0.52	19.4
A00307229	0.66	0.03	12.3	0.22	59.0	6.1	5.3	76.6	19.7	20.0
A00307230	0.71	0.03	13.1	0.22	53.5	5.6	5.3	95.4	24.9	19.6
A00307231	0.63	0.02	12.1	0.21	63.9	5.4	1.1	86.1	23.4	19.1
A00307232	0.69	0.02	12.7	0.22	110	5.8	<0.5	91.2	0.97	20.3
A00307233	1.06	0.06	13.1	0.24	51.9	6.3	4.9	61.4	0.38	17.6
A00307234	1.15	0.04	14.7	0.25	27.0	6.0	2.7	50.5	1.85	16.0
A00307235	1.10	0.06	13.2	0.25	22.4	4.7	9.5	37.9	6.55	16.2
A00307236	1.03	0.06	13.9	0.27	15.0	5.4	14.7	48.4	9.85	20.2
A00307237	0.46	0.08	14.5	0.15	148	7.0	12.6	69.5	0.56	6.3
A00307238	0.90	0.04	14.0	0.24	122	4.8	5.6	69.6	0.73	17.9
A00307239	0.92	0.05	12.6	0.22	227	5.2	2.0	62.1	3.29	19.2
A00307240	1.03	<0.02	10.8	0.08	53.8	4.4	4.1	71.2	0.56	5.6
A00307241	1.02	<0.02	10.9	0.09	191	4.4	2.1	72.7	1.21	6.0
A00307242	0.98	<0.02	14.6	0.09	16.4	4.0	5.3	73.7	1.12	5.9
A00307243	0.96	<0.02	10.1	0.09	13.1	4.4	1.7	72.8	1.15	6.0
A00307244	1.00	0.02	9.9	0.09	20.5	4.2	<0.5	70.9	22.8	7.1
A00307245	0.99	0.02	10.0	0.09	15.1	4.2	1.1	66.5	4.23	7.1
A00307246	0.93	0.02	9.7	0.09	22.7	3.8	<0.5	64.6	2.11	6.9
A00307247	0.76	0.02	12.8	0.25	21.1	6.0	1.7	112	10.7	18.8
A00307248	0.68	0.03	11.1	0.24	22.9	5.9	<0.5	113	2.93	18.0
A00307249	0.63	0.03	11.2	0.26	8.80	5.9	<0.5	110	0.79	17.8
A00307250	0.46	0.04	9.8	0.23	14.9	5.7	<0.5	102	0.49	17.1
A00307251	0.62	<0.02	4.8	0.06	1.23	3.0	4.5	25.4	0.44	1.7
A00307252	0.54	0.04	8.4	0.24	34.6	5.9	42.2	107	25.1	18.6
A00307253	0.65	0.03	10.3	0.21	14.9	5.1	<0.5	105	0.70	21.9
A00307254	0.68	0.03	12.4	0.23	28.4	5.2	<0.5	91.9	0.34	25.4
A00307255	1.13	0.09	9.1	0.22	341	4.1	2.7	26.2	1.38	13.9
A00307256	0.58	0.03	11.8	0.20	77.2	5.2	<0.5	132	0.27	26.1
A00307257	0.91	0.05	13.8	0.26	48.2	5.1	<0.5	71.5	0.40	27.4
A00307258	0.76	0.03	10.8	0.20	36.7	4.8	<0.5	75.1	0.23	29.2
A00307259	0.75	0.03	9.7	0.21	24.8	4.8	<0.5	76.4	0.20	28.7
*Dup A00307259	0.76	0.03	11.1	0.21	18.8	4.9	<0.5	74.4	0.23	30.5
A00307260	0.90	0.04	9.9	0.24	5.19	4.5	0.6	72.8	0.20	30.2
A00307261	1.01	0.04	11.0	0.22	26.4	4.1	<0.5	86.4	1.09	26.7
A00307262	0.82	0.05	9.3	0.20	226	4.4	19.9	84.1	4.04	20.4
A00307263	0.78	0.06	8.3	0.17	252	3.4	2.3	84.3	0.71	15.5
A00307264	0.89	0.02	11.7	0.18	21.5	4.2	<0.5	72.3	0.54	14.8

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00307265	0.81	0.03	14.9	0.19	93.4	5.2	<0.5	110	0.28	20.5
A00307266	0.40	0.08	15.6	0.15	151	6.8	12.2	66.5	0.67	6.8
A00307267	0.99	0.03	12.2	0.15	15.6	4.6	6.3	71.5	9.86	10.3
A00307268	0.87	0.03	15.1	0.18	308	3.4	<0.5	75.8	6.00	11.0
A00307269	0.92	0.03	10.7	0.10	79.2	4.2	1.9	75.8	4.26	6.5
A00307270	0.71	0.02	13.9	0.23	53.7	5.3	4.7	88.5	1.47	9.8
A00307271	0.93	0.03	11.0	0.09	214	4.5	1.4	76.9	1.04	6.9
A00307272	0.87	0.04	10.7	0.08	64.7	3.8	9.3	64.7	1.06	5.6
A00307273	0.79	0.04	9.4	0.10	55.0	4.2	2.0	65.6	1.62	7.8
A00307274	0.67	0.05	4.3	0.06	2.61	3.5	9.3	25.7	0.56	2.0
A00307275	0.69	0.04	12.5	0.17	210	4.6	<0.5	94.5	0.50	14.2
A00307276	0.79	0.04	11.9	0.18	74.1	5.1	2.0	88.1	1.31	14.4
A00307277	0.78	0.05	11.3	0.18	83.2	5.0	2.4	84.1	2.09	12.0
A00307278	0.62	0.05	10.7	0.14	110	4.3	0.7	81.1	2.55	9.4
A00307279	0.94	0.25	14.9	0.17	474	3.9	3.0	96.1	2.40	10.0
A00307280	0.77	0.05	10.3	0.18	113	4.4	<0.5	94.2	1.12	19.6
A00307281	0.80	0.05	11.1	0.19	119	4.7	<0.5	97.9	2.57	20.8
A00307282	0.64	0.06	12.0	0.21	136	5.4	<0.5	99.1	0.64	20.9
A00307283	0.83	0.11	12.2	0.24	28.1	4.7	0.9	80.1	14.9	23.2
A00307284	0.72	0.05	8.5	0.07	88.6	3.3	34.3	65.5	13.4	4.9
A00307285	0.72	0.03	9.6	0.20	34.8	5.3	<0.5	102	0.38	17.3
A00307286	0.71	0.03	9.3	0.19	43.0	5.3	1.0	95.4	20.6	17.1
A00307287	1.03	0.08	8.5	0.20	317	3.9	1.8	24.1	1.43	13.7
A00307288	0.66	0.05	11.9	0.20	25.9	5.0	7.2	92.9	1.21	16.4
A00307289	0.75	0.05	10.7	0.20	86.7	5.5	<0.5	99.7	0.72	16.4
A00307290	0.73	0.04	10.9	0.21	4.16	5.3	<0.5	91.3	0.32	17.1
A00307291	0.93	0.05	11.5	0.21	35.8	5.4	<0.5	85.5	0.45	16.8
A00307292	0.64	0.03	4.6	0.06	2.15	3.4	10.3	21.8	0.50	2.0
A00307293	0.82	0.03	10.4	0.21	63.7	4.3	9.8	66.0	11.6	5.9
A00307294	0.74	0.04	10.0	0.08	49.7	3.6	<0.5	68.2	10.9	5.8
A00307295	0.64	0.03	9.5	0.07	59.9	3.8	<0.5	65.5	0.59	5.4
A00307296	0.74	0.06	9.8	0.08	330	3.2	5.3	70.3	0.75	5.0
*Dup A00307296	0.77	0.07	9.8	0.07	454	3.4	2.2	72.5	0.69	5.2
*Rep A00307257	1.03	0.05	13.7	0.26	47.6	5.0	<0.5	71.4	0.41	27.2
*Rep A00307266	0.38	0.08	14.8	0.14	128	6.8	10.4	65.5	0.58	6.8
*Std CH-4	3.11	0.13	15.5	0.17	3.02	3.8	13.6	79.2	0.75	14.1

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Bik BLANK	<0.02	<0.02	0.5	<0.01	<0.05	<0.1	0.6	1.6	<0.05	0.3
*Bik BLANK	0.03	<0.02	0.5	<0.01	0.06	<0.1	<0.5	1.5	<0.05	0.4
*Std CH-4	3.28	0.13	18.5	0.18	3.14	3.8	15.5	81.0	0.77	12.1

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Element Method Det.Lim. Units	Se ICM40B	Sn ICM40B	Ta ICM40B	Tb ICM40B	Te ICM40B	Th ICM40B	Tl ICM40B	U ICM40B	W ICM40B	Y ICM40B
	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00307223	4	1.0	0.48	0.62	<0.05	2.4	0.81	0.80	1.8	19.4
A00307224	4	0.9	0.41	0.55	<0.05	2.4	0.88	0.68	1.7	16.7
A00307225	4	0.9	0.39	0.54	<0.05	2.3	0.91	0.66	1.3	15.6
A00307226	<2	0.6	0.19	0.11	<0.05	1.6	0.27	0.78	0.2	2.7
A00307227	3	0.9	0.34	0.55	<0.05	2.2	0.72	0.67	1.7	16.3
A00307228	3	1.1	0.42	0.56	0.06	2.4	0.69	0.78	2.1	16.7
A00307229	2	1.0	0.42	0.56	<0.05	2.2	0.86	0.84	2.5	16.5
A00307230	3	1.0	0.39	0.56	0.19	2.6	0.97	0.81	2.6	16.1
A00307231	3	0.9	0.37	0.53	<0.05	2.2	0.92	0.70	2.2	15.4
A00307232	2	1.0	0.41	0.55	<0.05	2.5	0.96	0.77	2.2	16.2
A00307233	3	1.2	0.48	0.56	0.06	2.9	0.60	1.18	1.9	18.4
A00307234	3	1.0	0.43	0.58	<0.05	3.3	0.45	1.39	1.3	16.9
A00307235	3	1.1	0.35	0.61	<0.05	2.9	0.38	1.34	1.7	17.3
A00307236	3	1.4	0.38	0.57	<0.05	2.5	0.45	1.07	1.6	17.9
A00307237	<2	2.7	0.39	0.32	0.14	5.0	0.47	1.01	0.5	9.3
A00307238	3	1.0	0.34	0.53	<0.05	2.8	0.53	0.99	1.2	16.2
A00307239	2	1.3	0.37	0.48	<0.05	2.6	0.51	1.11	2.0	15.6
A00307240	<2	0.5	0.31	0.24	<0.05	4.1	0.44	2.85	0.8	5.7
A00307241	<2	0.4	0.30	0.26	<0.05	3.8	0.51	2.78	2.3	5.9
A00307242	<2	0.4	0.36	0.26	<0.05	4.6	0.53	2.42	4.4	5.7
A00307243	<2	0.4	0.31	0.25	<0.05	3.7	0.47	2.77	1.1	5.9
A00307244	<2	0.5	0.30	0.26	<0.05	3.5	0.46	2.31	1.0	6.3
A00307245	<2	0.5	0.30	0.25	<0.05	3.7	0.46	2.13	0.8	6.2
A00307246	<2	0.5	0.26	0.26	<0.05	3.2	0.45	2.24	1.0	6.2
A00307247	2	0.8	0.35	0.61	<0.05	2.0	0.82	1.21	1.0	17.4
A00307248	3	0.7	0.33	0.58	<0.05	1.6	0.81	0.98	2.2	16.3
A00307249	3	0.9	0.34	0.65	<0.05	1.7	0.87	0.80	0.9	18.1
A00307250	3	0.8	0.33	0.57	<0.05	1.7	0.81	0.56	0.7	16.4
A00307251	<2	0.6	0.15	0.11	<0.05	1.5	0.24	0.71	0.1	2.7
A00307252	4	0.8	0.35	0.58	0.06	1.8	0.88	0.69	1.5	17.3
A00307253	3	0.9	0.33	0.51	<0.05	2.3	0.90	0.80	0.9	14.6
A00307254	2	1.1	0.37	0.56	<0.05	2.3	0.81	0.71	0.6	16.5
A00307255	<2	1.4	0.26	0.46	0.10	2.2	0.23	0.86	22.0	13.7
A00307256	3	1.1	0.33	0.49	<0.05	2.1	1.10	0.67	0.5	14.3
A00307257	2	1.4	0.34	0.59	<0.05	2.3	0.69	1.11	1.1	17.8
A00307258	3	1.2	0.31	0.48	<0.05	2.0	0.72	0.87	1.2	14.5
A00307259	2	1.2	0.32	0.48	<0.05	1.9	0.74	0.77	1.3	14.2
*Dup A00307259	3	1.2	0.31	0.51	<0.05	2.1	0.71	0.88	1.3	15.2
A00307260	2	1.3	0.29	0.52	<0.05	2.1	0.66	0.92	0.9	15.7
A00307261	4	1.0	0.28	0.51	<0.05	2.4	1.13	1.31	1.5	15.5
A00307262	4	1.3	0.36	0.42	0.07	2.2	0.76	0.96	1.2	13.6
A00307263	4	1.1	0.24	0.35	0.06	2.8	0.78	0.95	1.6	10.4
A00307264	4	0.9	0.28	0.43	<0.05	2.7	0.65	1.01	2.6	12.2

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Element Method Det.Lim. Units	Se ICM40B	Sn ICM40B	Ta ICM40B	Tb ICM40B	Te ICM40B	Th ICM40B	Tl ICM40B	U ICM40B	W ICM40B	Y ICM40B
	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00307265	3	1.1	0.36	0.45	<0.05	2.7	0.97	1.02	1.7	12.3
A00307266	<2	2.8	0.34	0.33	0.12	4.9	0.45	0.92	0.6	9.1
A00307267	2	0.8	0.33	0.36	<0.05	2.7	0.63	0.94	2.2	10.4
A00307268	3	0.8	0.25	0.43	0.05	3.1	0.64	1.22	3.2	12.3
A00307269	<2	0.5	0.28	0.26	<0.05	3.6	0.51	2.26	1.6	6.5
A00307270	2	0.5	0.34	0.43	<0.05	3.8	0.67	2.02	1.6	12.7
A00307271	<2	0.5	0.31	0.26	<0.05	3.7	0.53	2.27	1.4	6.2
A00307272	2	0.9	0.27	0.25	0.06	3.4	0.53	2.24	1.8	6.0
A00307273	<2	0.5	0.28	0.28	0.06	2.9	0.50	1.80	1.6	7.0
A00307274	<2	0.7	0.18	0.11	<0.05	1.6	0.27	0.89	0.5	2.7
A00307275	3	0.7	0.30	0.44	<0.05	2.6	0.74	1.12	0.7	12.3
A00307276	3	0.7	0.35	0.41	0.05	3.1	0.66	1.40	1.2	11.8
A00307277	<2	0.9	0.32	0.41	0.06	3.0	0.56	1.39	5.0	11.5
A00307278	2	0.5	0.27	0.37	<0.05	2.7	0.61	1.27	1.5	10.7
A00307279	8	0.8	0.25	0.45	0.59	2.3	0.80	1.08	1.1	12.2
A00307280	<2	0.9	0.28	0.42	0.05	2.3	0.74	1.14	2.5	12.1
A00307281	2	0.9	0.31	0.44	<0.05	2.4	0.79	1.29	0.9	12.5
A00307282	<2	1.0	0.36	0.51	0.06	2.6	0.79	0.84	0.5	15.2
A00307283	2	1.3	0.31	0.58	0.10	2.3	0.62	1.04	0.8	17.0
A00307284	3	0.5	0.22	0.20	0.09	2.9	0.49	1.80	0.7	4.8
A00307285	2	0.7	0.34	0.44	<0.05	2.5	0.75	0.97	0.5	13.7
A00307286	2	0.7	0.36	0.43	0.15	2.4	0.73	0.83	1.0	13.2
A00307287	<2	1.4	0.28	0.43	0.08	1.9	0.22	0.78	22.8	13.1
A00307288	3	0.8	0.34	0.47	0.71	2.4	0.71	0.81	0.8	13.9
A00307289	2	0.8	0.37	0.45	0.12	2.8	0.75	0.81	0.6	13.9
A00307290	2	0.8	0.35	0.48	<0.05	2.5	0.61	0.81	0.4	14.9
A00307291	3	0.9	0.35	0.47	0.08	2.6	0.60	1.09	0.5	14.0
A00307292	<2	0.7	0.17	0.11	<0.05	1.3	0.27	0.74	0.2	2.6
A00307293	<2	0.5	0.28	0.25	0.10	3.5	0.45	2.20	0.9	5.8
A00307294	<2	0.3	0.24	0.23	0.08	3.3	0.59	1.81	2.2	5.2
A00307295	<2	0.4	0.25	0.22	<0.05	3.2	0.46	1.96	1.3	5.0
A00307296	2	0.4	0.23	0.22	0.11	3.6	0.60	1.82	1.2	5.0
*Dup A00307296	2	0.4	0.23	0.22	0.15	3.5	0.62	1.85	1.2	5.1
*Rep A00307257	3	1.4	0.33	0.58	<0.05	2.3	0.70	1.12	1.1	17.1
*Rep A00307266	<2	2.5	0.34	0.31	0.13	4.8	0.42	0.89	0.5	9.1
*Std CH-4	2	1.0	0.27	0.39	0.47	2.5	0.41	0.76	2.9	10.2

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Bik BLANK	<2	<0.3	<0.05	<0.05	<0.05	0.3	<0.02	<0.05	<0.1	0.3
*Bik BLANK	<2	<0.3	<0.05	<0.05	<0.05	0.3	<0.02	<0.05	<0.1	0.3
*Std CH-4	2	1.1	0.28	0.41	0.72	2.4	0.42	0.72	3.0	10.7

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Cu ICP90Q 0.01 %
A00307223	1.7	N.A.
A00307224	1.5	N.A.
A00307225	1.4	N.A.
A00307226	0.3	N.A.
A00307227	1.5	N.A.
A00307228	1.6	N.A.
A00307229	1.5	N.A.
A00307230	1.5	N.A.
A00307231	1.4	N.A.
A00307232	1.5	N.A.
A00307233	1.7	N.A.
A00307234	1.7	N.A.
A00307235	1.8	N.A.
A00307236	1.8	N.A.
A00307237	1.0	N.A.
A00307238	1.6	N.A.
A00307239	1.5	N.A.
A00307240	0.5	N.A.
A00307241	0.6	N.A.
A00307242	0.5	N.A.
A00307243	0.5	N.A.
A00307244	0.6	N.A.
A00307245	0.6	N.A.
A00307246	0.6	N.A.
A00307247	1.8	N.A.
A00307248	1.7	N.A.
A00307249	1.8	N.A.
A00307250	1.6	N.A.
A00307251	0.3	N.A.
A00307252	1.7	N.A.
A00307253	1.5	N.A.
A00307254	1.6	N.A.
A00307255	1.5	N.A.
A00307256	1.4	N.A.
A00307257	1.8	N.A.
A00307258	1.4	N.A.
A00307259	1.4	N.A.
*Dup A00307259	1.5	N.A.
A00307260	1.7	N.A.
A00307261	1.5	N.A.
A00307262	1.3	N.A.
A00307263	1.1	N.A.
A00307264	1.2	N.A.

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Cu ICP90Q 0.01 %
A00307265	1.3	N.A.
A00307266	0.9	N.A.
A00307267	1.0	N.A.
A00307268	1.3	N.A.
A00307269	0.6	N.A.
A00307270	1.4	N.A.
A00307271	0.6	N.A.
A00307272	0.5	N.A.
A00307273	0.7	N.A.
A00307274	0.4	N.A.
A00307275	1.2	N.A.
A00307276	1.2	N.A.
A00307277	1.2	N.A.
A00307278	1.0	N.A.
A00307279	1.2	1.01
A00307280	1.2	N.A.
A00307281	1.3	N.A.
A00307282	1.5	N.A.
A00307283	1.7	N.A.
A00307284	0.5	N.A.
A00307285	1.4	N.A.
A00307286	1.3	N.A.
A00307287	1.3	N.A.
A00307288	1.4	N.A.
A00307289	1.4	N.A.
A00307290	1.5	N.A.
A00307291	1.4	N.A.
A00307292	0.4	N.A.
A00307293	0.5	N.A.
A00307294	0.5	N.A.
A00307295	0.5	N.A.
A00307296	0.5	N.A.
*Dup A00307296	0.5	N.A.
*Rep A00307257	1.8	
*Rep A00307266	0.9	
*Std CH-4	1.1	

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Final : VC122466 Order: PROJ: /SHIPMENT: RRLE-0010-2012

Page 19 of 19

Element	Yb	Cu
Method	ICM40B	ICP90Q
Det.Lim.	0.1	0.01
Units	ppm	%
*BIK BLANK	<0.1	
*Std ME-4		1.83
*BIK BLANK		<0.01
*Rep A00307279		1.01
*BIK BLANK	<0.1	
*Std CH-4	1.2	

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Certificate of Analysis

Work Order: VC122467

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 17, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE-0011-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 17, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309723	3.330	11	8.34	382	3.03	17	10.9	5.06	2.34	29
A00309724	4.045	7	7.71	371	2.95	16	11.0	4.56	2.35	35
A00309725	2.655	<5	7.95	365	2.43	18	10.2	5.18	2.66	22
A00309726	2.460	<5	4.96	855	1.02	11	4.8	1.62	2.27	7
A00309727	3.020	6	7.69	583	2.72	15	15.5	4.48	2.58	80
A00309728	2.580	22	7.74	1470	3.00	13	20.0	2.81	5.36	19
A00309729	3.250	8	6.53	1710	2.91	6	10.6	1.45	5.90	22
A00309730	0.105	363	6.87	1550	2.24	18	1870	3.99	2.54	9
A00309731	3.325	<5	6.77	1720	2.53	8	6.9	1.79	5.50	10
A00309732	3.225	<5	8.38	441	4.92	43	36.6	4.98	1.80	31
A00309733	3.065	<5	9.33	272	5.04	49	35.4	5.49	0.97	16
A00309734	3.045	<5	9.49	275	5.04	60	31.4	5.47	0.96	16
A00309735	3.705	<5	9.97	148	6.96	55	73.0	5.88	0.44	22
A00309736	2.980	<5	7.50	659	2.90	45	94.4	4.54	1.37	28
A00309737	3.195	<5	9.34	200	4.99	100	919	6.17	0.90	9
A00309738	3.005	<5	9.07	1170	3.63	97	88.4	6.29	2.39	12
A00309739	3.310	5	9.31	260	4.77	101	232	6.34	0.78	9
A00309740	2.875	5	8.75	484	3.77	31	190	4.32	1.64	18
A00309741	3.740	5	9.74	466	4.91	23	259	4.39	1.98	22
A00309742	3.850	13	9.80	431	6.34	23	394	4.29	1.46	19
A00309743	2.330	<5	5.09	985	0.93	12	7.7	1.46	2.40	6
A00309744	2.850	<5	7.75	693	2.29	47	118	4.52	1.60	25
A00309745	4.070	<5	8.93	754	2.75	18	237	4.78	2.65	16
A00309746	4.055	<5	8.21	513	2.43	15	276	4.56	2.09	20
A00309747	3.705	<5	7.25	823	2.86	39	35.9	4.29	1.72	23
A00309748	5.425	<5	7.82	584	6.41	205	127	6.69	1.85	15
A00309749	4.480	7	7.41	670	6.42	199	131	6.41	1.95	16
A00309750	3.440	<5	8.25	928	2.30	39	18.4	4.89	2.24	21
A00309751	3.765	<5	9.46	1140	2.68	29	8.3	5.50	3.59	15
A00309752	3.390	<5	9.25	1090	3.16	36	53.8	5.91	3.63	14
A00309753	3.405	<5	9.14	1100	3.13	36	84.9	5.92	3.62	13
A00309754	4.170	<5	7.42	534	2.90	45	41.3	4.96	1.11	79
A00309755	5.540	<5	7.57	340	4.66	32	50.9	5.86	0.49	148
A00309756	3.580	6	7.61	731	2.31	47	30.5	4.22	1.43	28
A00309757	3.375	<5	7.66	519	3.97	57	92.6	4.96	1.10	27
A00309758	3.475	<5	9.25	418	4.73	73	71.8	6.41	1.13	34
A00309759	6.470	11	9.42	432	4.45	88	45.7	6.74	1.09	38
*Dup A00309759	N.A.	<5	9.35	441	4.47	80	46.6	6.80	1.10	38
A00309760	3.355	6	7.08	733	2.14	47	34.8	4.37	1.33	28
A00309761	0.105	287	7.63	1530	2.16	18	1750	3.95	2.53	9
A00309762	5.110	<5	8.16	561	4.33	121	53.5	6.33	1.07	30
A00309763	6.410	<5	8.88	625	4.92	127	57.2	6.86	1.24	28
A00309764	5.470	<5	8.70	568	4.39	134	81.1	6.44	1.06	30

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309765	1.990	<5	6.78	645	1.95	51	31.6	4.39	1.37	29
A00309766	3.060	<5	7.86	344	3.06	119	44.7	5.35	0.99	56
A00309767	3.445	<5	7.87	255	4.81	118	52.8	5.08	1.17	33
A00309768	4.040	<5	7.53	657	5.84	105	44.7	5.33	2.54	15
A00309769	2.135	<5	3.77	841	0.96	19	6.1	1.72	2.31	6
A00309770	5.050	5	7.73	508	6.17	111	82.5	5.29	2.73	27
A00309771	5.380	<5	8.13	493	5.06	160	82.3	6.01	1.67	44
A00309772	5.465	<5	7.93	351	5.16	131	65.8	5.93	1.33	48
A00309773	0.105	320	6.77	1450	2.04	20	1790	3.97	2.41	9
A00309774	3.375	<5	6.87	678	2.33	123	40.0	4.58	1.36	27
A00309775	3.570	<5	1.86	83	5.05	1560	24.5	6.28	0.12	5
A00309776	5.360	<5	1.76	99	3.48	1350	28.8	6.32	0.29	6
A00309777	4.190	<5	1.93	108	3.78	1370	39.3	6.33	0.36	6
A00309778	2.455	<5	6.52	727	2.12	41	30.3	4.25	1.49	26
A00309779	2.665	<5	6.42	724	2.20	39	32.8	4.13	1.50	26
A00309780	3.475	<5	7.04	708	3.63	47	34.3	4.64	1.43	85
A00309781	3.460	<5	7.16	260	5.99	98	25.9	5.65	1.34	272
A00309782	3.835	<5	6.45	393	8.18	88	141	5.18	1.57	156
A00309783	4.335	6	7.13	648	2.67	43	80.2	4.61	1.41	26
A00309784	0.105	283	6.59	1390	1.95	19	1790	3.98	2.40	10
A00309785	5.085	6	7.84	596	4.43	41	165	5.35	1.71	20
A00309786	6.020	<5	7.70	767	3.40	46	162	5.43	1.81	22
A00309787	4.820	<5	7.43	418	6.17	78	117	7.10	1.36	19
A00309788	2.490	<5	3.85	993	0.87	11	4.3	1.34	2.36	5
A00309789	5.220	<5	7.18	500	6.61	138	129	7.19	1.68	19
A00309790	4.630	<5	6.70	532	7.82	212	130	7.28	1.58	19
A00309791	4.675	<5	7.04	845	2.96	32	31.9	3.91	2.25	15
A00309792	4.340	<5	7.08	931	3.09	26	18.9	3.84	2.26	12
A00309793	5.575	<5	7.13	817	3.07	26	3.7	3.75	2.28	12
A00309794	3.595	<5	7.03	778	3.02	24	2.7	3.54	2.28	12
A00309795	3.545	<5	7.99	624	2.73	36	215	5.08	2.10	24
A00309796	3.865	<5	7.53	360	4.28	64	169	5.10	1.32	20
*Dup A00309796	N.A.	<5	7.47	359	4.39	67	190	5.26	1.27	20
*Rep A00309736		6								
*Rep A00309788		<5								
*Std SH65		1280								
*Std OXF100		768								
*Std AMIS0258		3420								
*Std SH65		1340								
*Blk BLANK		<5								
*Rep A00309724			7.65	373	2.93	15	12.5	4.54	2.37	35
*Rep A00309764			8.73	561	4.45	136	90.2	6.44	1.06	30
*Std CH-4			7.40	425	1.86	89	1990	5.22	1.96	13

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*Std CH-4	6.68	423	1.72	87	1990	5.13	1.86	13
*Blk BLANK	<0.01	<1	<0.01	3	<0.5	<0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309723	1.38	443	3.49	2.6	760	0.03	273	0.38	127	67
A00309724	1.21	398	3.63	3.8	730	<0.01	218	0.34	127	50
A00309725	1.36	427	3.45	2.9	750	<0.01	229	0.40	163	64
A00309726	0.29	335	4.30	5.2	360	<0.01	620	0.14	41	45
A00309727	1.14	422	3.51	9.2	750	<0.01	192	0.32	104	60
A00309728	0.85	2860	0.74	5.3	830	0.60	283	0.28	74	806
A00309729	0.42	749	0.69	3.0	780	0.19	276	0.28	60	152
A00309730	0.68	694	2.88	12.7	760	0.28	681	0.21	78	82
A00309731	0.40	428	1.84	4.3	810	0.02	318	0.33	76	53
A00309732	2.23	1220	1.81	29.1	720	0.04	265	0.33	169	128
A00309733	3.29	1230	3.32	33.4	570	<0.01	556	0.32	177	76
A00309734	3.22	1230	3.38	33.6	550	<0.01	563	0.31	179	79
A00309735	3.61	1390	2.02	34.7	600	0.02	645	0.33	190	86
A00309736	1.28	1080	2.41	24.3	1060	0.10	366	0.41	144	99
A00309737	2.51	1270	3.37	56.9	3240	<0.01	426	0.60	229	95
A00309738	3.00	1450	2.88	56.7	3380	<0.01	485	0.64	268	106
A00309739	2.41	1390	3.76	59.3	3250	<0.01	494	0.62	254	98
A00309740	1.28	990	3.20	17.0	2010	<0.01	422	0.48	179	87
A00309741	1.38	1030	3.19	14.8	2300	<0.01	548	0.49	194	81
A00309742	1.23	1180	2.78	14.4	2270	<0.01	731	0.47	196	71
A00309743	0.29	339	4.21	5.1	280	<0.01	567	0.13	33	52
A00309744	1.13	1080	2.60	52.2	1480	0.07	441	0.37	138	119
A00309745	1.35	1030	3.82	15.5	3490	0.03	716	0.29	164	86
A00309746	1.35	1000	4.33	12.4	3310	0.08	612	0.28	166	85
A00309747	1.00	1050	2.23	22.3	880	0.15	313	0.36	113	107
A00309748	4.62	1280	2.22	107	1860	<0.01	930	0.48	261	77
A00309749	4.84	1230	2.18	137	2030	0.02	957	0.45	255	74
A00309750	1.41	915	2.94	22.9	980	0.04	344	0.46	127	100
A00309751	1.85	872	2.92	15.8	1000	<0.01	397	0.54	135	100
A00309752	1.65	791	2.12	13.8	840	<0.01	473	0.59	172	93
A00309753	1.66	794	2.10	37.8	870	<0.01	467	0.59	174	95
A00309754	1.33	1050	2.83	24.9	930	0.13	331	0.41	162	103
A00309755	2.25	1170	3.49	19.8	920	<0.01	378	0.47	200	87
A00309756	0.94	1060	2.12	22.7	900	0.09	313	0.38	119	104
A00309757	1.53	1030	2.09	36.3	880	0.07	529	0.43	154	94
A00309758	3.99	982	2.40	51.1	780	<0.01	527	0.49	211	73
A00309759	4.35	1130	2.44	53.2	730	<0.01	470	0.53	211	84
*Dup A00309759	4.32	1110	2.45	55.7	750	<0.01	476	0.52	214	79
A00309760	0.97	1130	2.02	25.3	920	0.06	319	0.38	125	102
A00309761	0.65	676	2.81	12.6	740	0.28	686	0.20	76	82
A00309762	3.63	1250	2.76	82.6	810	<0.01	512	0.57	196	77
A00309763	3.58	1320	2.65	84.8	840	<0.01	627	0.62	220	92
A00309764	3.88	1250	2.54	86.1	840	<0.01	534	0.62	203	79

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309765	1.07	1110	2.16	27.1	800	0.05	274	0.36	127	95
A00309766	1.81	1070	3.03	72.5	1120	<0.01	258	0.49	198	86
A00309767	2.09	1290	2.91	70.8	1140	<0.01	211	0.51	200	73
A00309768	2.79	1440	0.80	71.4	990	<0.01	202	0.46	186	74
A00309769	0.21	420	3.97	7.0	260	0.01	563	0.12	35	83
A00309770	2.96	1320	0.61	77.7	830	0.05	184	0.45	193	101
A00309771	3.66	1080	1.52	120	460	<0.01	169	0.47	203	67
A00309772	3.56	1190	1.82	103	630	0.03	176	0.49	192	67
A00309773	0.61	695	2.82	11.8	730	0.28	680	0.20	74	81
A00309774	1.59	1070	2.10	93.1	860	0.09	288	0.34	127	103
A00309775	11.8	1180	0.11	1370	230	<0.01	459	0.09	62	74
A00309776	13.1	1330	0.13	1410	230	<0.01	269	0.10	68	69
A00309777	11.9	1280	0.12	1400	230	<0.01	314	0.09	71	68
A00309778	0.97	1030	2.28	23.8	910	0.08	309	0.35	119	95
A00309779	0.97	1040	2.28	22.0	880	0.16	310	0.34	117	100
A00309780	1.56	1190	2.04	30.1	830	0.05	346	0.39	151	89
A00309781	2.66	949	0.51	66.4	680	<0.01	364	0.48	194	91
A00309782	3.18	1150	0.26	52.6	510	0.03	543	0.41	173	112
A00309783	1.21	1130	2.47	23.0	1340	0.09	368	0.42	166	101
A00309784	0.60	694	2.78	12.3	720	0.26	616	0.20	76	78
A00309785	1.83	1290	2.97	18.1	2830	0.06	641	0.53	212	100
A00309786	1.89	1170	2.80	22.1	2500	0.08	680	0.53	222	89
A00309787	3.14	1410	2.06	35.4	1810	<0.01	606	0.46	284	89
A00309788	0.23	338	4.12	5.0	280	<0.01	456	0.12	36	46
A00309789	3.83	1580	1.87	54.5	2160	0.03	570	0.47	296	98
A00309790	4.37	1450	1.71	72.8	2440	<0.01	468	0.43	281	76
A00309791	1.24	886	2.12	10.7	770	0.05	352	0.29	115	67
A00309792	1.28	799	2.04	6.1	610	0.01	298	0.27	115	65
A00309793	1.19	726	2.02	3.6	570	<0.01	271	0.23	112	52
A00309794	1.15	691	2.01	3.2	560	<0.01	259	0.22	113	53
A00309795	1.53	1060	3.05	14.4	2720	0.07	684	0.64	185	86
A00309796	1.79	1270	2.32	27.3	2050	0.31	581	0.48	204	162
*Dup A00309796	1.82	1190	2.29	36.0	2120	0.27	589	0.48	212	104
*Rep A00309724	1.19	406	3.61	3.7	710	0.01	223	0.34	125	52
*Rep A00309764	3.96	1280	2.57	86.7	850	<0.01	538	0.63	212	83
*Std CH-4	1.27	461	3.36	46.6	590	0.69	208	0.28	93	207

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*Std CH-4	1.22	472	3.24	46.5	610	0.65	204	0.27	95	202
*Blk BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
	0.5 ppm	0.02 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm	0.05 ppm	0.1 ppm	5 ppm	0.1 ppm
A00309723	50.2	0.04	14	1.0	0.07	0.14	31.2	11.4	9	20.7
A00309724	55.7	0.04	9	1.0	<0.04	0.06	28.4	10.0	5	19.9
A00309725	57.9	0.04	11	1.0	<0.04	0.06	29.8	11.2	7	22.5
A00309726	14.7	<0.02	4	2.0	<0.04	0.02	12.4	4.6	<5	24.1
A00309727	61.6	0.05	10	1.0	<0.04	0.07	28.9	9.9	7	20.0
A00309728	27.4	0.54	48	0.7	0.36	10.4	26.1	7.0	8	21.1
A00309729	16.7	0.15	18	0.6	0.13	1.45	24.4	3.9	7	20.6
A00309730	12.4	0.66	4	1.3	0.32	0.25	27.9	9.2	<5	21.0
A00309731	18.9	0.06	10	0.7	0.06	0.26	25.4	4.5	8	23.1
A00309732	38.6	0.12	15	0.8	0.06	0.25	17.6	26.4	6	17.3
A00309733	27.5	0.04	16	0.4	<0.04	0.12	9.77	34.5	5	16.9
A00309734	27.4	0.04	16	0.4	<0.04	0.11	9.71	34.0	5	17.2
A00309735	29.8	0.05	12	0.4	<0.04	0.15	10.5	34.2	<5	18.2
A00309736	65.7	0.17	20	0.9	0.12	0.31	31.3	17.3	<5	17.0
A00309737	94.1	0.59	5	1.5	0.05	0.07	42.9	28.3	<5	23.0
A00309738	72.2	0.04	6	1.5	<0.04	0.03	42.2	29.2	<5	20.9
A00309739	95.4	0.16	7	1.3	0.04	0.06	42.9	29.4	<5	24.0
A00309740	69.3	0.16	12	1.2	0.05	0.16	34.0	16.2	<5	20.7
A00309741	59.2	0.13	11	1.2	<0.04	0.08	32.2	14.7	9	23.0
A00309742	53.6	0.19	11	1.2	<0.04	0.08	32.0	13.9	12	23.6
A00309743	12.9	<0.02	3	1.8	<0.04	0.02	9.80	4.2	<5	21.8
A00309744	60.5	0.17	18	1.1	0.12	0.38	30.0	18.9	<5	18.0
A00309745	27.0	0.16	4	1.3	0.04	0.24	19.8	21.9	<5	20.3
A00309746	23.8	0.19	3	1.6	0.06	0.39	13.9	20.6	<5	21.1
A00309747	72.5	0.16	18	1.1	0.09	0.44	29.6	15.3	<5	16.8
A00309748	26.9	0.08	5	1.0	0.04	0.11	20.6	39.5	<5	17.4
A00309749	26.3	0.07	6	0.9	0.05	0.11	20.1	36.9	<5	16.0
A00309750	85.6	0.07	31	1.1	0.06	0.16	35.4	18.8	7	18.6
A00309751	105	<0.02	39	1.1	0.04	0.05	44.1	20.9	12	23.0
A00309752	94.0	0.03	22	1.2	0.09	0.06	38.7	21.8	14	23.3
A00309753	92.3	0.03	24	1.2	0.11	0.06	37.3	22.0	14	23.4
A00309754	65.0	0.07	19	1.0	0.18	0.21	30.1	21.4	9	17.6
A00309755	55.5	0.04	19	0.8	0.04	0.21	26.8	25.3	10	16.2
A00309756	69.1	0.11	22	1.1	0.10	0.32	32.2	16.0	<5	16.5
A00309757	67.1	0.11	21	0.9	0.07	0.30	27.2	23.7	5	18.5
A00309758	41.9	0.04	16	0.5	<0.04	0.15	14.8	34.8	11	19.1
A00309759	43.2	0.05	14	0.5	0.05	0.18	15.1	37.9	7	18.1
*Dup A00309759	43.6	0.06	14	0.5	<0.04	0.20	15.3	38.1	7	18.0
A00309760	71.7	0.11	21	1.0	0.12	0.28	33.0	17.0	5	16.9
A00309761	12.2	0.69	4	1.3	0.31	0.24	29.3	9.0	<5	20.2
A00309762	60.7	0.08	9	0.6	<0.04	0.09	19.7	34.5	<5	17.0
A00309763	61.6	0.04	10	0.6	<0.04	0.18	20.4	34.6	<5	19.2
A00309764	52.9	0.06	10	0.6	<0.04	0.07	20.0	35.9	<5	18.6

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00309765	59.6	0.10	13	0.8	0.10	0.38	26.5	15.1	<5	14.6
A00309766	37.0	0.24	15	0.6	<0.04	0.31	23.6	28.4	<5	17.3
A00309767	40.8	0.18	8	0.6	<0.04	0.32	21.4	27.7	<5	16.7
A00309768	26.3	0.13	9	0.6	<0.04	0.45	20.9	27.5	6	15.8
A00309769	13.7	0.55	5	2.0	0.15	0.24	8.17	4.7	<5	22.5
A00309770	28.2	0.38	20	0.7	0.11	0.57	17.7	29.1	7	16.3
A00309771	31.9	0.16	19	0.5	<0.04	0.21	8.58	41.6	13	16.6
A00309772	42.1	0.07	17	0.5	<0.04	0.17	12.7	36.9	12	16.3
A00309773	12.3	0.81	4	1.2	0.35	0.26	27.7	8.4	<5	20.0
A00309774	64.3	0.13	19	0.9	0.15	0.33	29.8	20.5	<5	15.7
A00309775	11.3	0.04	2	0.3	0.11	0.10	5.38	94.8	<5	3.9
A00309776	11.5	0.04	2	0.3	<0.04	0.08	4.55	96.4	<5	4.1
A00309777	11.3	0.04	2	0.3	0.09	0.14	4.64	96.0	<5	4.2
A00309778	71.0	1.53	18	1.0	0.12	0.29	31.0	14.9	<5	16.4
A00309779	70.8	0.11	19	1.1	0.17	0.34	31.7	15.1	<5	16.8
A00309780	67.5	0.13	19	0.9	0.07	0.49	27.2	18.1	6	15.7
A00309781	42.3	0.24	14	0.7	<0.04	0.87	16.2	25.3	11	14.3
A00309782	35.8	0.35	45	0.5	<0.04	2.65	14.4	20.7	8	12.8
A00309783	59.6	0.15	18	1.0	0.10	0.25	32.2	18.4	<5	17.6
A00309784	12.1	0.69	4	1.3	0.34	0.21	22.8	8.6	<5	20.5
A00309785	32.3	0.20	9	1.4	0.11	0.18	33.1	23.6	<5	18.4
A00309786	29.0	0.23	10	1.3	0.10	0.18	33.1	24.0	<5	18.1
A00309787	44.6	0.10	10	1.0	0.11	0.12	24.4	35.4	<5	18.7
A00309788	11.9	0.03	2	1.9	0.06	0.03	9.33	3.9	<5	21.7
A00309789	39.3	0.09	16	1.3	0.06	0.16	26.9	38.9	<5	18.0
A00309790	34.4	0.08	11	1.4	0.08	0.08	27.9	40.8	<5	16.9
A00309791	55.2	0.05	7	1.1	0.06	0.14	31.0	13.9	<5	17.4
A00309792	55.8	0.02	3	1.2	0.16	0.13	33.1	13.2	<5	18.0
A00309793	55.7	<0.02	2	1.2	0.04	0.11	32.6	12.6	<5	18.1
A00309794	56.1	<0.02	2	1.2	0.04	0.11	32.6	12.2	<5	18.0
A00309795	33.0	0.40	10	1.6	0.11	0.14	41.0	18.8	<5	19.9
A00309796	39.1	0.36	13	1.7	0.14	0.42	34.3	21.5	<5	22.5
*Dup A00309796	46.7	0.35	8	1.7	0.12	0.22	34.4	22.4	<5	22.7
*Rep A00309724	55.6	0.03	10	1.0	0.04	0.06	29.6	10.1	5	19.9
*Rep A00309764	55.3	0.06	10	0.6	<0.04	0.09	19.9	38.0	<5	17.4
*Std CH-4	116	2.19	10	0.8	0.47	1.19	31.7	27.3	<5	21.0

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	113	2.14	9	0.8	0.54	1.15	30.6	25.3	<5	20.2
*Blk BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00309723	1.52	0.07	15.4	0.22	3.32	5.7	11.0	83.1	3.78	16.2
A00309724	1.65	0.07	13.6	0.22	7.10	5.2	6.8	86.9	1.93	15.3
A00309725	1.69	0.07	14.2	0.25	4.82	5.0	8.3	98.0	2.42	19.7
A00309726	0.80	0.02	5.7	0.07	2.94	4.0	12.7	22.1	0.51	2.1
A00309727	1.76	0.07	13.7	0.23	3.28	5.2	7.5	77.2	2.05	14.1
A00309728	0.93	0.13	12.2	0.21	22.5	5.3	135	111	19.4	9.3
A00309729	0.72	0.06	11.0	0.21	14.9	5.1	29.2	101	11.2	7.5
A00309730	0.45	0.09	15.0	0.15	161	7.5	16.0	69.1	0.60	7.2
A00309731	0.83	0.04	11.1	0.25	14.3	5.6	8.5	91.0	4.61	8.9
A00309732	1.11	0.04	8.5	0.17	1.73	3.9	9.9	53.8	3.13	20.9
A00309733	0.91	0.04	4.4	0.14	1.07	1.9	7.4	30.4	2.02	24.5
A00309734	0.93	0.04	4.4	0.14	0.91	2.0	8.3	30.8	2.28	24.0
A00309735	0.97	0.04	4.7	0.15	1.27	2.3	8.3	17.7	1.16	23.3
A00309736	1.86	0.06	15.6	0.24	2.99	7.0	10.9	40.9	2.53	16.1
A00309737	2.98	0.05	20.3	0.25	1.98	13.0	7.5	23.2	0.91	19.6
A00309738	2.56	0.05	20.0	0.24	1.49	13.7	5.0	46.6	0.75	19.9
A00309739	3.16	0.05	20.4	0.26	1.79	13.5	6.9	19.2	0.96	20.9
A00309740	2.30	0.05	16.8	0.25	2.30	10.7	7.3	43.5	1.50	16.0
A00309741	2.05	0.04	15.9	0.22	2.24	11.2	6.5	52.7	1.35	13.7
A00309742	1.97	0.04	15.8	0.20	2.42	11.1	9.1	47.6	1.71	13.5
A00309743	0.66	<0.02	4.4	0.06	3.10	3.6	10.4	24.2	0.46	1.9
A00309744	1.76	0.05	15.0	0.26	3.63	6.3	16.0	47.5	2.11	16.8
A00309745	0.93	0.03	9.3	0.20	3.03	2.1	7.9	44.5	0.92	11.4
A00309746	0.85	0.03	6.4	0.16	2.74	1.9	7.4	26.3	1.02	9.0
A00309747	2.05	0.06	14.9	0.27	3.33	7.5	13.8	51.5	2.17	17.2
A00309748	1.10	0.06	9.4	0.23	1.77	2.9	6.5	43.8	0.74	38.9
A00309749	1.00	0.06	8.9	0.22	1.74	2.7	5.6	41.4	0.65	32.3
A00309750	2.79	0.06	17.4	0.32	2.76	7.7	9.4	74.4	1.46	21.8
A00309751	3.65	0.10	20.3	0.41	2.01	8.7	5.9	130	0.97	26.9
A00309752	3.21	0.09	18.9	0.46	2.54	7.5	6.3	133	0.74	29.9
A00309753	3.36	0.10	18.5	0.47	2.93	7.3	9.1	128	0.79	31.7
A00309754	1.97	0.06	15.1	0.27	3.84	6.3	10.3	40.9	5.80	21.9
A00309755	1.75	0.06	12.2	0.30	2.79	4.0	10.3	20.8	10.8	27.2
A00309756	2.02	0.06	16.1	0.27	3.37	7.6	11.2	46.6	2.69	17.4
A00309757	1.85	0.05	13.5	0.29	3.61	6.3	9.6	35.4	2.01	22.4
A00309758	1.25	0.06	6.4	0.30	1.26	2.3	2.6	51.2	0.42	34.8
A00309759	1.32	0.07	6.6	0.30	1.54	2.7	5.3	48.2	0.49	36.2
*Dup A00309759	1.31	0.06	6.6	0.31	1.74	2.5	4.2	47.8	0.56	36.7
A00309760	1.92	0.05	16.7	0.26	3.83	7.5	11.4	45.0	2.44	17.2
A00309761	0.40	0.08	16.0	0.15	173	7.4	15.5	68.8	0.55	6.8
A00309762	1.74	0.06	8.4	0.33	1.04	3.4	4.1	24.0	0.43	26.8
A00309763	1.87	0.07	8.7	0.35	1.06	3.3	3.4	30.3	0.41	28.9
A00309764	1.69	0.06	8.5	0.33	0.91	3.2	2.9	33.1	0.62	29.0

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00309765	1.61	0.05	13.1	0.24	2.87	5.5	10.3	39.7	1.81	16.5
A00309766	1.14	0.06	10.7	0.23	1.96	4.5	8.6	31.2	4.22	25.3
A00309767	1.02	0.06	9.4	0.22	1.82	3.8	10.5	37.9	4.02	26.2
A00309768	0.84	0.06	9.1	0.21	1.14	3.3	9.1	76.4	7.65	25.7
A00309769	0.70	0.03	3.7	0.06	4.52	3.7	24.0	22.3	0.52	1.6
A00309770	0.88	0.07	7.6	0.23	1.27	2.8	13.2	78.1	13.2	26.6
A00309771	0.97	0.06	3.3	0.29	0.99	1.1	5.9	44.8	10.4	35.6
A00309772	1.20	0.06	5.3	0.30	0.61	1.9	6.6	41.3	7.13	31.8
A00309773	0.42	0.09	14.7	0.15	163	7.2	17.8	68.8	0.59	6.4
A00309774	1.84	0.06	14.9	0.26	3.58	6.6	12.0	44.2	2.18	16.9
A00309775	0.32	0.05	2.8	0.07	0.81	0.5	3.4	10.4	0.33	16.0
A00309776	0.33	0.03	2.3	0.07	0.55	0.6	3.0	11.3	0.24	14.8
A00309777	0.33	0.03	2.5	0.07	0.58	0.6	8.5	14.4	0.22	15.3
A00309778	1.98	0.05	15.5	0.26	3.33	7.5	11.0	49.4	2.31	14.3
A00309779	2.02	0.05	16.2	0.26	2.83	7.5	17.0	55.5	2.27	14.8
A00309780	1.93	0.05	13.3	0.28	3.08	6.0	9.3	44.0	6.64	16.9
A00309781	1.34	0.06	6.8	0.22	1.48	2.8	11.6	50.3	12.1	23.2
A00309782	1.07	0.05	6.1	0.20	1.96	2.6	14.2	52.5	39.3	19.8
A00309783	1.77	0.06	15.8	0.27	3.37	7.5	10.6	45.2	2.12	17.5
A00309784	0.41	0.09	11.5	0.15	162	7.4	16.7	62.3	0.57	6.4
A00309785	1.09	0.07	16.0	0.19	3.50	8.8	7.1	47.4	0.90	17.9
A00309786	1.10	0.06	16.1	0.19	2.92	8.1	8.0	45.6	1.11	18.7
A00309787	1.58	0.07	11.0	0.27	1.98	3.5	9.1	34.8	0.63	36.0
A00309788	0.68	0.02	4.2	0.07	2.34	3.6	10.6	21.1	0.67	1.7
A00309789	1.48	0.07	12.5	0.25	3.92	3.3	7.1	51.8	0.68	39.1
A00309790	1.35	0.07	12.7	0.23	3.04	3.4	8.2	40.7	0.49	40.2
A00309791	1.88	0.04	16.5	0.26	3.68	7.0	11.2	64.2	1.58	15.1
A00309792	1.91	0.05	17.9	0.27	5.27	7.5	8.2	71.1	1.04	15.1
A00309793	1.91	0.04	17.7	0.26	5.41	6.8	6.5	73.5	0.99	14.2
A00309794	1.85	0.04	17.7	0.26	4.67	6.6	6.7	77.3	1.01	14.1
A00309795	1.18	0.07	20.1	0.19	3.65	13.8	6.5	53.0	1.45	14.2
A00309796	1.37	0.12	17.6	0.26	3.15	9.7	10.3	40.4	1.62	17.0
*Dup A00309796	1.42	0.07	17.3	0.25	3.70	9.6	11.5	34.1	1.70	17.1
*Rep A00309724	1.67	0.07	14.5	0.22	7.24	5.3	7.5	88.9	2.02	15.3
*Rep A00309764	1.62	0.07	8.3	0.32	0.93	3.1	3.0	24.6	0.62	28.2
*Std CH-4	3.33	0.13	16.4	0.18	3.54	4.0	17.3	78.2	0.70	14.9

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	3.22	0.13	15.6	0.18	2.68	3.9	17.5	77.1	0.74	13.8
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	<0.5	<0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309723	<2	1.5	0.40	0.57	<0.05	2.8	0.68	1.25	3.7	16.5
A00309724	<2	1.7	0.37	0.51	<0.05	2.8	0.73	1.29	5.0	14.5
A00309725	<2	1.9	0.35	0.57	<0.05	2.7	0.79	1.69	4.2	16.3
A00309726	<2	0.9	0.20	0.15	<0.05	1.7	0.26	0.74	0.2	3.5
A00309727	<2	1.9	0.43	0.51	<0.05	2.8	0.66	1.59	14.0	14.3
A00309728	<2	1.5	0.28	0.45	0.10	2.1	1.21	1.29	11.0	12.8
A00309729	<2	1.5	0.24	0.46	<0.05	1.7	0.76	0.93	10.5	13.6
A00309730	<2	2.8	0.37	0.34	0.13	5.1	0.47	1.03	0.6	9.8
A00309731	<2	1.9	0.27	0.55	<0.05	1.7	0.49	0.71	4.2	16.1
A00309732	<2	0.6	0.26	0.42	<0.05	1.8	0.46	0.81	0.9	11.7
A00309733	<2	0.4	0.13	0.34	<0.05	0.6	0.20	0.28	0.3	9.9
A00309734	<2	0.4	0.13	0.34	<0.05	1.0	0.22	0.37	0.3	9.9
A00309735	<2	0.5	0.19	0.36	<0.05	1.1	0.12	0.37	0.3	10.6
A00309736	<2	0.9	0.45	0.59	<0.05	3.1	0.41	1.45	1.2	16.2
A00309737	<2	1.1	0.84	0.79	<0.05	4.3	0.06	1.68	0.8	20.5
A00309738	<2	1.1	0.87	0.81	<0.05	3.3	0.14	1.95	0.9	20.5
A00309739	<2	1.1	0.85	0.82	<0.05	3.9	0.05	1.81	1.0	21.4
A00309740	<2	1.0	0.68	0.67	<0.05	2.9	0.25	1.50	1.0	17.7
A00309741	<2	1.0	0.68	0.62	<0.05	2.6	0.33	1.45	0.8	16.9
A00309742	<2	0.9	0.68	0.63	<0.05	2.6	0.44	1.41	0.7	17.0
A00309743	<2	0.7	0.18	0.13	<0.05	1.4	0.26	0.79	0.2	3.0
A00309744	<2	1.0	0.74	0.60	<0.05	3.3	0.36	1.39	1.4	16.7
A00309745	<2	0.8	0.12	0.50	<0.05	1.6	0.10	0.84	1.2	14.6
A00309746	<2	0.8	0.12	0.40	<0.05	1.5	0.08	0.56	1.3	11.5
A00309747	<2	1.0	0.49	0.59	<0.05	3.7	0.45	1.65	1.0	17.2
A00309748	<2	0.9	0.19	0.58	<0.05	2.0	0.17	0.80	0.5	17.2
A00309749	<2	0.9	0.17	0.57	<0.05	1.5	0.15	0.70	0.4	16.9
A00309750	<2	1.3	0.48	0.76	<0.05	4.1	0.48	1.58	1.0	22.3
A00309751	<2	1.7	0.53	0.97	<0.05	4.4	0.68	1.66	0.4	29.4
A00309752	<2	1.5	0.45	1.01	<0.05	4.0	0.72	1.40	0.3	31.8
A00309753	<2	1.6	0.85	1.04	<0.05	3.7	0.70	1.32	0.4	31.4
A00309754	<2	1.0	0.41	0.64	<0.05	3.5	0.42	1.54	1.6	17.7
A00309755	<2	1.0	0.25	0.74	<0.05	2.1	0.26	0.88	0.5	21.1
A00309756	<2	1.0	0.50	0.61	<0.05	3.7	0.44	1.65	1.4	17.0
A00309757	<2	0.9	0.42	0.61	<0.05	3.0	0.30	1.39	1.0	18.3
A00309758	<2	0.6	0.14	0.57	<0.05	1.0	0.32	0.35	0.2	18.7
A00309759	<2	0.7	0.17	0.58	<0.05	1.5	0.32	0.49	0.3	19.2
*Dup A00309759	<2	0.7	0.15	0.59	<0.05	1.4	0.32	0.43	0.3	19.4
A00309760	<2	1.0	0.46	0.61	<0.05	3.6	0.41	1.60	1.1	17.5
A00309761	<2	2.7	0.36	0.34	0.14	5.0	0.45	0.93	0.5	9.9
A00309762	<2	0.8	0.25	0.70	<0.05	1.1	0.25	0.59	0.3	21.8
A00309763	<2	0.9	0.22	0.76	<0.05	1.2	0.31	0.47	0.2	23.5
A00309764	<2	0.8	0.20	0.74	<0.05	1.3	0.25	0.50	0.2	22.9

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309765	<2	0.9	0.35	0.55	<0.05	2.9	0.35	1.20	1.0	15.7
A00309766	<2	0.8	0.28	0.60	<0.05	1.6	0.35	0.76	0.5	15.7
A00309767	<2	0.8	0.23	0.62	<0.05	1.1	0.45	0.60	0.3	16.1
A00309768	<2	0.7	0.20	0.60	<0.05	1.1	0.93	0.52	0.2	15.6
A00309769	<2	0.8	0.18	0.11	0.19	1.6	0.26	0.71	0.2	2.7
A00309770	<2	0.7	0.17	0.59	<0.05	1.2	1.04	0.41	0.2	16.9
A00309771	<2	0.5	0.08	0.57	<0.05	0.3	0.67	0.17	0.1	19.1
A00309772	<2	0.7	0.12	0.60	<0.05	0.7	0.59	0.24	0.1	19.5
A00309773	<2	2.8	0.37	0.34	0.14	5.0	0.49	1.02	0.6	9.5
A00309774	<2	0.9	0.43	0.59	0.06	3.4	0.41	1.43	1.0	16.6
A00309775	<2	<0.3	<0.05	0.14	<0.05	0.8	0.06	0.44	0.3	4.2
A00309776	<2	<0.3	<0.05	0.14	<0.05	0.8	0.05	0.25	0.3	4.0
A00309777	<2	<0.3	<0.05	0.13	<0.05	0.8	0.04	0.25	0.3	4.1
A00309778	<2	1.0	0.50	0.58	<0.05	3.9	0.53	1.69	1.0	15.8
A00309779	<2	1.0	0.50	0.57	0.07	4.2	0.45	1.71	1.1	16.4
A00309780	<2	0.9	0.40	0.60	<0.05	2.9	0.47	1.72	0.7	17.5
A00309781	<2	0.7	0.18	0.57	<0.05	1.1	0.57	0.61	0.4	15.3
A00309782	<2	0.7	0.17	0.49	<0.05	1.1	0.56	0.77	0.3	14.0
A00309783	<2	1.1	0.49	0.66	<0.05	3.4	0.35	1.45	1.1	17.8
A00309784	<2	3.0	0.38	0.31	0.15	4.3	0.49	0.91	0.6	8.8
A00309785	<2	1.1	0.55	0.70	0.06	2.8	0.15	1.00	0.7	17.2
A00309786	<2	1.1	0.53	0.69	0.07	2.9	0.17	1.04	0.6	16.7
A00309787	<2	1.0	0.23	0.69	<0.05	2.1	0.13	0.75	0.5	19.6
A00309788	<2	0.8	0.20	0.13	<0.05	1.5	0.27	0.79	0.2	3.0
A00309789	<2	1.0	0.22	0.68	<0.05	2.4	0.13	0.76	0.5	19.0
A00309790	<2	1.0	0.21	0.67	<0.05	2.3	0.11	0.82	0.5	17.8
A00309791	<2	1.0	0.57	0.51	<0.05	5.9	0.35	2.47	0.9	14.9
A00309792	<2	1.0	0.65	0.50	<0.05	6.9	0.32	2.88	1.5	15.0
A00309793	<2	1.0	0.61	0.49	<0.05	6.9	0.33	2.99	1.5	14.9
A00309794	<2	0.9	0.61	0.49	<0.05	7.1	0.34	3.06	1.4	14.8
A00309795	<2	1.4	0.88	0.83	0.07	3.2	0.23	1.05	0.7	19.2
A00309796	4	1.2	0.62	0.78	0.09	3.4	0.19	1.16	0.6	21.2
*Dup A00309796	4	1.3	0.76	0.81	0.10	3.1	0.18	1.17	0.5	21.4
*Rep A00309724	<2	1.7	0.39	0.52	<0.05	3.0	0.72	1.47	5.0	14.7
*Rep A00309764	<2	0.8	0.21	0.72	<0.05	1.0	0.24	0.44	0.2	23.1
*Std CH-4	<2	1.1	0.29	0.41	0.38	2.8	0.43	0.84	3.4	10.6

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	<2	1.1	0.29	0.41	0.42	2.5	0.43	0.78	4.5	10.7
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309723	1.5
A00309724	1.5
A00309725	1.7
A00309726	0.4
A00309727	1.5
A00309728	1.3
A00309729	1.4
A00309730	0.9
A00309731	1.6
A00309732	1.1
A00309733	0.9
A00309734	0.9
A00309735	1.0
A00309736	1.6
A00309737	1.7
A00309738	1.7
A00309739	1.8
A00309740	1.6
A00309741	1.5
A00309742	1.4
A00309743	0.4
A00309744	1.7
A00309745	1.3
A00309746	1.1
A00309747	1.7
A00309748	1.5
A00309749	1.5
A00309750	2.2
A00309751	2.8
A00309752	3.1
A00309753	3.1
A00309754	1.8
A00309755	2.0
A00309756	1.7
A00309757	1.8
A00309758	1.9
A00309759	1.9
*Dup A00309759	1.9
A00309760	1.7
A00309761	0.9
A00309762	2.1
A00309763	2.3
A00309764	2.2

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309765	1.6
A00309766	1.5
A00309767	1.5
A00309768	1.4
A00309769	0.3
A00309770	1.5
A00309771	1.9
A00309772	1.9
A00309773	0.9
A00309774	1.6
A00309775	0.4
A00309776	0.4
A00309777	0.4
A00309778	1.6
A00309779	1.6
A00309780	1.7
A00309781	1.5
A00309782	1.3
A00309783	1.7
A00309784	0.9
A00309785	1.3
A00309786	1.3
A00309787	1.8
A00309788	0.4
A00309789	1.7
A00309790	1.6
A00309791	1.6
A00309792	1.6
A00309793	1.6
A00309794	1.6
A00309795	1.4
A00309796	1.8
*Dup A00309796	1.8
*Rep A00309724	1.5
*Rep A00309764	2.2
*Std CH-4	1.1

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*Std CH-4	1.1
*Blk BLANK	<0.1

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Certificate of Analysis

Work Order: VC122471

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 17, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE012-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 18, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307297	6.880	37	5.77	712	1.96	14	2370	1.76	3.16	10
A00307298	7.180	29	6.13	699	1.78	22	2030	2.11	3.22	9
A00307299	5.485	42	7.26	712	2.25	15	3100	2.40	3.57	7
A00307300	7.135	44	7.25	728	2.27	18	3230	2.32	3.49	7
A00307301	6.010	20	6.15	692	2.08	14	1870	2.11	2.72	4
A00307302	3.540	40	6.29	756	1.59	21	2290	2.23	3.28	4
A00307303	3.790	35	6.38	767	1.61	17	2400	2.25	3.40	5
A00307304	6.620	26	8.25	498	3.62	34	2450	5.91	1.83	6
A00307305	7.010	43	7.97	411	3.43	28	2700	5.23	1.56	5
A00307306	7.085	13	7.28	836	1.88	9	724	2.53	3.08	6
A00307307	7.210	34	7.96	747	2.07	12	2330	3.50	2.49	5
A00307308	7.220	29	7.70	576	2.49	14	2620	4.44	2.18	4
A00307309	0.105	245	7.66	1390	2.13	22	1720	4.15	2.60	9
A00307310	7.420	24	7.86	762	2.59	22	1520	3.94	2.80	5
A00307311	5.170	21	7.55	867	2.25	12	1910	4.20	2.94	5
A00307312	6.620	27	7.70	548	3.02	11	1800	4.83	2.09	6
A00307313	7.025	19	7.34	736	2.40	16	999	3.36	2.58	5
A00307314	4.715	20	7.78	787	2.22	9	1740	4.44	2.47	7
A00307315	4.880	83	7.32	696	2.60	24	3990	4.02	2.00	7
A00307316	5.785	<5	5.00	1590	0.93	12	12.1	1.39	2.79	7
A00307317	7.080	15	6.65	741	2.31	15	848	2.60	2.71	6
A00307318	7.220	15	7.12	763	2.12	17	997	2.69	2.79	6
A00307319	7.330	23	7.36	739	2.27	23	987	2.74	2.79	7
A00307320	7.340	18	7.15	733	2.51	21	923	2.94	2.77	11
A00307321	0.105	494	6.05	473	2.06	42	4860	3.81	0.93	13
A00307322	7.090	25	6.60	762	2.00	17	1550	2.60	3.02	5
A00307323	3.365	21	6.54	674	2.06	16	1780	2.43	2.54	4
A00307324	4.345	23	6.95	498	4.11	22	1690	2.91	2.22	10
A00307325	4.980	21	6.80	745	1.85	18	1570	2.55	2.77	4
A00307326	6.140	15	7.57	725	2.23	16	1150	2.66	2.77	3
A00307327	6.735	13	7.23	720	2.25	14	903	2.42	2.73	4
A00307328	2.800	17	7.45	737	2.23	17	1150	2.77	2.75	4
A00307329	5.140	<5	4.76	779	0.79	11	51.1	1.23	2.25	6
A00307330	2.325	61	6.83	323	2.71	19	3880	3.85	1.72	6
A00307331	2.530	25	7.16	721	2.21	17	2120	2.75	2.49	4
A00307332	4.200	27	7.17	189	3.86	10	1680	1.59	1.29	13
A00307333	4.180	22	6.94	321	4.73	12	1730	1.58	1.62	7
*Dup A00307333	N.A.	22	7.17	319	4.55	10	1680	1.91	1.63	8
A00307334	6.255	28	7.33	327	4.06	11	2020	2.53	1.57	5
A00307335	4.890	33	7.00	557	3.87	11	2440	3.14	2.01	8
A00307336	2.025	27	6.60	425	2.52	11	2040	3.10	1.99	11
A00307337	1.925	29	6.54	404	2.21	8	2040	2.95	2.01	10
A00307338	2.210	12	6.88	729	2.00	15	1440	2.85	3.06	17

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307339	4.115	13	1.92	45	1.67	16	1300	1.19	0.73	18
A00307340	6.370	12	1.79	68	1.36	24	1180	1.65	0.64	13
A00307341	6.690	13	3.06	345	1.50	32	2330	1.89	1.51	17
A00307342	6.750	9	1.89	273	1.00	34	1130	1.73	0.71	11
A00307343	0.105	494	5.46	479	2.04	40	5170	3.82	0.97	13
A00307344	2.790	12	2.32	392	1.02	34	1310	1.94	0.89	16
A00307345	3.290	10	1.32	262	0.84	21	739	1.39	0.48	9
A00307346	3.970	9	5.47	670	1.88	25	1300	2.27	1.51	11
A00307347	5.065	12	5.71	690	1.99	17	1060	2.60	1.65	7
A00307348	2.465	25	4.80	498	1.89	24	2400	2.40	1.66	7
A00307349	0.945	14	4.20	421	1.59	15	1080	2.09	1.46	5
A00307350	1.070	8	3.54	373	1.41	25	969	2.21	1.27	6
A00307351	3.925	8	1.58	132	1.00	24	1100	1.34	0.60	4
A00307352	3.115	15	5.94	715	1.66	19	1680	2.27	3.07	4
A00307353	4.530	34	5.62	742	1.76	17	3000	2.45	2.98	5
A00307354	6.805	21	6.40	809	1.76	24	1890	2.47	3.12	5
A00307355	6.940	21	4.99	648	1.60	19	2020	2.20	2.50	9
A00307356	7.010	19	7.02	797	1.78	21	1160	2.54	2.89	3
A00307357	4.260	<5	4.29	895	0.76	12	15.8	1.34	2.19	5
A00307358	7.060	36	7.27	507	2.77	18	3460	4.12	2.00	4
A00307359	3.000	17	6.42	748	1.69	15	2050	2.65	2.79	3
A00307360	3.320	11	6.20	689	1.70	19	1770	2.44	2.79	4
A00307361	3.640	28	7.31	701	1.85	16	2240	2.67	3.06	3
A00307362	6.785	25	7.17	738	1.63	12	1750	3.41	2.95	4
A00307363	3.185	19	5.99	700	2.19	14	1520	2.38	2.77	7
A00307364	4.015	<5	4.95	805	0.68	11	11.9	1.31	2.16	5
A00307365	6.890	13	6.64	776	1.88	20	1400	2.75	2.77	4
A00307366	7.180	13	6.61	725	1.97	25	1210	2.58	2.79	6
A00307367	7.360	25	7.26	522	2.56	12	1920	4.53	1.99	4
A00307368	0.105	268	6.96	1400	2.03	18	1740	3.98	2.41	9
A00307369	6.215	12	6.99	761	2.07	20	1230	3.52	2.49	4
A00307370	7.530	13	6.13	774	1.84	17	1080	2.41	2.41	6
*Dup A00307370	N.A.	15	5.73	739	1.84	15	1050	2.34	2.43	6
*Rep A00307297		35								
*Rep A00307334		34								
*Std SH65		1350								
*Std OXF100		794								
*Std AMIS0258		3600								
*Std SH65		1370								
*Blk BLANK		<5								
*Rep A00307312			7.98	580	3.12	11	1820	5.03	2.17	6
*Rep A00307370			6.62	745	1.95	14	1120	2.48	2.35	8
*Std CH-4			8.15	425	1.78	104	1940	5.23	1.98	14

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*Std CH-4	7.20	410	1.72	85	1920	5.05	1.88	13
*Blk BLANK	<0.01	<1	<0.01	3	1.2	<0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307297	0.44	200	1.79	34.3	620	0.43	298	0.18	64	30
A00307298	0.40	268	1.88	4.9	630	0.44	311	0.17	61	55
A00307299	0.49	228	2.11	4.9	670	0.67	343	0.20	63	35
A00307300	0.42	309	1.98	4.4	660	0.55	331	0.19	64	54
A00307301	0.40	222	1.96	4.4	640	0.45	377	0.18	62	69
A00307302	0.68	220	2.04	5.3	620	0.51	394	0.19	60	58
A00307303	0.73	192	2.33	11.2	640	0.51	426	0.19	64	88
A00307304	2.17	661	2.55	7.2	1040	0.65	438	0.66	251	72
A00307305	1.52	527	2.44	5.3	780	0.57	381	0.51	214	68
A00307306	1.19	298	2.76	7.3	850	0.24	347	0.27	92	40
A00307307	1.30	360	2.81	2.3	500	0.61	392	0.29	102	68
A00307308	0.94	317	2.80	5.1	590	0.72	413	0.33	148	51
A00307309	0.64	823	2.90	10.4	710	0.30	708	0.20	74	130
A00307310	1.29	389	2.67	5.0	800	0.32	402	0.35	146	71
A00307311	1.08	325	2.75	1.8	770	0.33	380	0.34	136	58
A00307312	1.39	447	2.45	2.5	730	0.41	398	0.41	175	62
A00307313	1.00	456	2.93	3.9	850	0.17	506	0.29	104	62
A00307314	1.21	344	2.75	1.3	610	0.54	411	0.37	157	49
A00307315	1.19	450	2.48	4.4	520	0.69	366	0.35	154	114
A00307316	0.36	316	3.54	4.6	330	0.01	595	0.14	39	49
A00307317	0.55	324	2.69	4.1	750	0.16	491	0.20	69	41
A00307318	0.57	497	2.58	4.8	710	0.26	504	0.19	56	134
A00307319	0.74	398	2.64	5.8	810	0.15	480	0.22	74	48
A00307320	0.78	475	2.54	6.4	920	0.15	441	0.22	84	63
A00307321	0.95	670	2.10	24.8	430	0.62	267	0.26	104	70
A00307322	0.60	325	2.30	5.9	720	0.29	444	0.20	64	65
A00307323	0.57	265	2.14	4.3	700	0.24	415	0.20	66	40
A00307324	0.56	533	1.31	4.0	740	0.45	333	0.24	91	82
A00307325	0.62	282	2.13	4.0	670	0.34	435	0.20	58	88
A00307326	0.51	285	2.57	5.3	780	0.21	504	0.21	67	55
A00307327	0.49	308	2.49	4.0	730	0.20	479	0.20	63	67
A00307328	0.66	289	2.54	5.7	760	0.23	513	0.22	70	41
A00307329	0.26	294	4.07	12.5	270	<0.01	474	0.11	32	57
A00307330	1.04	336	1.86	5.7	510	0.57	310	0.29	124	42
A00307331	0.50	302	2.40	5.0	740	0.30	472	0.21	74	63
A00307332	0.44	258	2.15	4.1	670	0.37	264	0.29	108	35
A00307333	0.54	367	2.13	3.4	590	0.30	313	0.27	96	26
*Dup A00307333	0.61	370	2.22	4.0	580	0.26	331	0.28	94	29
A00307334	0.62	311	2.27	3.7	660	0.30	373	0.29	98	38
A00307335	0.89	392	1.00	2.4	560	0.41	299	0.24	78	45
A00307336	0.83	235	0.95	52.2	700	0.36	271	0.26	87	50
A00307337	0.81	198	0.92	10.7	660	0.34	263	0.25	84	39
A00307338	0.64	205	0.93	4.5	730	0.36	238	0.19	63	37

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A00307339	0.07	163	0.04	3.6	210	0.50	88.9	0.05	18	16
A00307340	0.08	179	0.04	5.5	240	0.55	68.0	0.05	23	16
A00307341	0.15	179	0.70	6.5	390	0.55	125	0.10	40	27
A00307342	0.14	175	0.04	5.0	290	0.80	62.0	0.06	23	57
A00307343	0.97	635	2.19	25.4	440	0.62	261	0.27	106	57
A00307344	0.26	173	0.26	7.6	390	0.58	78.8	0.07	31	18
A00307345	0.17	121	0.09	5.4	210	0.62	53.9	0.04	15	20
A00307346	0.45	254	1.99	4.5	600	0.39	339	0.16	52	34
A00307347	0.54	282	2.43	5.1	660	0.28	416	0.19	63	36
A00307348	0.45	217	1.89	6.1	520	0.47	324	0.16	55	33
A00307349	0.43	205	1.68	3.8	530	0.26	281	0.14	50	30
A00307350	0.39	217	1.27	6.7	530	0.29	206	0.12	48	26
A00307351	0.11	134	0.31	5.0	250	0.38	61.1	0.05	20	13
A00307352	0.67	242	2.18	5.4	680	0.30	424	0.18	63	37
A00307353	0.66	251	2.05	4.7	650	0.43	398	0.19	61	42
A00307354	0.70	288	2.26	6.3	730	0.34	442	0.20	63	43
A00307355	0.49	340	1.50	5.5	550	0.55	266	0.18	52	44
A00307356	0.63	316	2.29	6.6	680	0.22	478	0.18	57	35
A00307357	0.26	319	4.21	3.2	290	<0.01	453	0.12	35	47
A00307358	1.13	435	2.32	3.1	740	0.58	418	0.29	103	50
A00307359	0.71	342	2.58	6.4	740	0.37	459	0.23	69	71
A00307360	0.70	247	2.63	6.5	710	0.29	457	0.22	69	38
A00307361	0.76	400	2.60	3.0	810	0.44	462	0.25	73	39
A00307362	0.91	521	2.76	2.9	850	0.60	377	0.31	89	107
A00307363	0.55	220	1.89	4.9	750	0.55	343	0.18	64	37
A00307364	0.27	330	4.21	3.1	320	<0.01	421	0.12	35	48
A00307365	0.73	338	2.30	34.3	710	0.34	451	0.20	65	42
A00307366	0.80	261	2.44	113	770	0.29	437	0.20	72	41
A00307367	0.95	340	2.59	1.4	860	0.45	349	0.35	114	42
A00307368	0.63	690	2.83	11.5	720	0.25	639	0.19	76	81
A00307369	0.86	530	2.57	5.1	840	0.26	433	0.33	109	43
A00307370	0.68	339	2.21	4.0	720	0.35	411	0.21	64	44
*Dup A00307370	0.68	214	2.23	4.2	730	0.25	398	0.20	67	30
*Rep A00307312	1.41	488	2.51	1.5	730	0.44	412	0.42	170	113
*Rep A00307370	0.70	235	2.29	4.2	730	0.27	433	0.21	67	28
*Std CH-4	1.23	493	3.38	41.7	570	0.64	215	0.28	81	191

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*Std CH-4	1.24	456	3.31	43.2	570	0.61	203	0.27	93	200
*Blk BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	0.5	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307297	20.0	0.77	59	0.8	0.20	0.11	20.9	8.7	<5	16.2
A00307298	21.6	0.83	55	0.9	0.24	0.20	25.5	10.0	<5	17.9
A00307299	23.6	0.73	49	0.9	0.14	0.09	25.8	10.9	<5	18.3
A00307300	21.5	1.12	54	0.9	0.44	0.18	24.1	9.9	<5	18.1
A00307301	21.8	0.67	11	0.9	0.30	0.27	18.4	9.5	<5	16.7
A00307302	20.3	1.06	5	0.9	0.18	0.47	18.8	9.1	<5	16.9
A00307303	22.1	0.88	5	1.0	0.17	0.74	18.5	10.1	<5	18.5
A00307304	29.2	0.77	2	0.8	0.08	0.19	26.9	21.5	<5	18.4
A00307305	25.4	0.77	3	0.8	0.24	0.16	27.1	13.8	<5	17.7
A00307306	21.7	0.26	5	1.1	0.10	0.06	24.7	7.1	<5	18.1
A00307307	26.7	0.83	12	1.0	0.46	0.19	26.6	12.3	<5	18.0
A00307308	17.3	0.88	121	0.9	0.13	0.10	21.0	17.6	<5	17.7
A00307309	12.2	0.66	4	1.2	0.40	0.40	29.0	8.2	<5	18.4
A00307310	20.8	0.49	5	1.2	0.20	0.16	20.4	15.1	<5	19.4
A00307311	19.4	0.56	2	0.8	0.09	0.10	19.6	12.5	<5	17.8
A00307312	18.8	0.54	2	0.8	0.23	0.10	20.1	13.7	<5	17.3
A00307313	23.7	0.33	2	0.9	0.08	0.12	20.5	11.3	<5	17.8
A00307314	18.9	0.58	2	0.9	1.34	0.08	19.8	12.3	<5	18.0
A00307315	17.7	1.22	3	0.8	0.32	0.41	20.3	15.6	<5	16.6
A00307316	11.4	<0.02	3	1.7	0.39	0.02	14.2	4.0	<5	18.9
A00307317	25.3	0.32	13	0.9	0.19	0.07	20.9	9.7	<5	17.8
A00307318	24.3	0.29	19	0.9	0.25	0.42	21.3	11.0	<5	18.9
A00307319	23.7	0.35	13	0.9	0.10	0.08	19.6	10.1	6	17.2
A00307320	24.8	0.32	50	1.0	0.08	0.16	20.9	10.5	9	17.3
A00307321	34.7	1.13	5	0.7	0.12	0.43	17.4	12.6	<5	11.6
A00307322	22.5	0.46	3	0.9	0.13	0.18	19.2	9.0	<5	15.9
A00307323	21.6	0.64	2	0.8	0.12	0.06	18.2	8.4	<5	16.2
A00307324	19.1	0.59	28	0.9	0.43	0.21	20.1	10.0	6	18.1
A00307325	20.5	0.62	2	0.8	0.27	0.27	18.5	8.5	<5	16.6
A00307326	23.7	0.43	3	0.9	0.23	0.12	21.0	9.3	<5	18.2
A00307327	23.7	0.43	10	0.9	0.53	0.17	22.2	8.6	<5	17.7
A00307328	24.4	0.48	2	0.9	0.13	0.03	21.4	10.1	<5	17.6
A00307329	11.5	0.04	3	1.8	0.19	0.06	8.41	3.9	<5	19.0
A00307330	13.5	1.33	2	0.7	0.24	0.07	15.9	15.2	<5	14.1
A00307331	22.6	0.95	25	0.9	0.19	0.14	19.5	9.1	<5	17.8
A00307332	17.3	0.67	71	0.8	0.16	0.06	22.4	7.9	8	16.5
A00307333	19.6	0.59	38	0.8	0.07	0.07	23.0	7.2	7	15.4
*Dup A00307333	19.0	0.54	40	0.8	0.06	0.09	22.6	7.6	6	14.9
A00307334	17.0	0.57	49	0.8	0.05	0.06	22.4	8.2	<5	16.1
A00307335	14.1	0.85	34	0.7	0.26	0.11	17.5	9.2	7	13.6
A00307336	14.6	0.87	77	0.8	0.28	0.10	18.8	10.8	8	17.7
A00307337	13.6	0.93	79	0.9	0.16	0.09	18.7	9.1	8	17.5
A00307338	24.0	0.53	15	0.9	0.17	0.11	20.0	8.6	6	19.2

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307339	7.8	0.41	54	0.2	0.14	0.05	18.0	4.2	<5	5.4
A00307340	5.9	0.44	47	0.2	0.18	0.05	18.4	5.2	<5	5.5
A00307341	11.5	0.76	62	0.4	0.26	0.09	17.8	7.2	<5	10.2
A00307342	7.0	0.53	36	0.3	0.35	0.21	16.8	5.7	<5	5.9
A00307343	34.3	1.42	5	0.7	0.12	0.40	18.6	14.3	<5	13.1
A00307344	7.8	0.73	36	0.3	0.26	0.05	14.2	6.3	<5	7.8
A00307345	5.4	0.37	47	0.2	0.29	0.06	14.9	7.0	<5	3.9
A00307346	17.5	0.46	34	0.8	1.15	0.04	18.5	7.5	<5	15.8
A00307347	19.8	0.43	9	0.9	0.36	0.03	19.2	9.8	<5	17.1
A00307348	14.1	1.03	13	0.8	0.55	0.05	16.0	7.7	<5	15.1
A00307349	15.4	0.51	1	0.7	0.27	0.03	17.8	6.9	<5	13.3
A00307350	14.4	0.40	2	0.6	0.33	0.04	15.5	7.1	<5	12.1
A00307351	6.6	0.41	2	0.2	0.25	0.05	10.3	4.2	<5	5.0
A00307352	23.1	0.72	<1	0.9	0.27	0.06	20.9	8.6	<5	18.4
A00307353	21.5	1.17	2	0.9	0.24	0.07	19.5	10.0	<5	17.8
A00307354	22.5	0.65	3	1.0	0.23	0.07	22.7	10.1	<5	19.3
A00307355	17.3	1.00	10	0.8	0.47	0.08	20.1	8.2	<5	15.1
A00307356	19.9	0.58	<1	0.7	0.15	0.05	20.4	9.6	<5	17.7
A00307357	12.3	0.02	2	2.1	0.05	<0.02	10.1	3.9	<5	21.6
A00307358	16.7	1.14	8	0.8	0.29	0.14	23.8	17.9	<5	19.5
A00307359	19.6	0.92	1	1.0	0.26	0.22	20.3	10.2	<5	18.7
A00307360	17.9	0.81	<1	1.0	0.20	0.08	21.1	9.6	<5	18.4
A00307361	19.1	1.21	2	1.0	0.43	0.07	23.7	9.9	<5	19.6
A00307362	14.6	0.72	4	1.2	0.52	0.32	26.3	11.0	<5	19.4
A00307363	22.0	0.64	7	0.9	0.22	0.07	21.5	9.8	<5	17.4
A00307364	14.2	<0.02	2	1.9	<0.04	0.02	11.2	3.9	<5	22.3
A00307365	23.1	0.66	2	0.9	0.32	0.05	22.0	10.7	<5	17.9
A00307366	25.1	0.49	9	1.1	0.31	0.07	21.4	10.9	<5	19.7
A00307367	11.4	0.75	1	0.8	0.32	0.07	26.1	11.1	<5	18.2
A00307368	11.6	0.64	3	1.4	0.30	0.20	24.3	8.9	<5	19.7
A00307369	12.5	0.59	2	0.9	0.39	0.08	24.2	10.1	<5	17.9
A00307370	19.8	0.50	5	1.0	0.26	0.10	20.9	8.2	<5	17.9
*Dup A00307370	18.3	0.49	5	0.9	0.16	0.05	21.7	8.6	<5	18.1
*Rep A00307312	19.3	0.57	2	0.8	0.31	0.35	20.5	13.9	<5	17.5
*Rep A00307370	18.6	0.52	4	0.9	0.17	0.05	22.1	8.3	<5	17.8
*Std CH-4	114	2.29	8	1.0	0.75	1.11	31.0	25.7	<5	19.8

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	109	2.03	9	0.8	0.64	1.14	30.7	25.6	<5	19.7
*Blk BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.08	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B ppm	In ICM40B ppm	La ICM40B ppm	Lu ICM40B ppm	Mo ICM40B ppm	Nb ICM40B ppm	Pb ICM40B ppm	Rb ICM40B ppm	Sb ICM40B ppm	Sc ICM40B ppm
A00307297	0.68	0.04	10.3	0.07	130	3.6	12.2	71.0	0.98	4.4
A00307298	0.81	0.05	12.7	0.09	222	3.7	10.4	76.4	1.23	5.3
A00307299	0.79	0.03	12.7	0.08	73.7	3.9	7.5	75.0	0.75	5.5
A00307300	0.74	0.06	11.9	0.09	148	3.7	9.8	76.2	1.49	5.5
A00307301	0.76	0.05	9.1	0.07	31.3	3.8	6.0	61.4	2.08	5.0
A00307302	0.69	0.04	9.4	0.07	53.1	3.5	46.0	74.2	24.6	5.2
A00307303	0.76	0.03	9.2	0.08	53.6	3.6	35.8	74.9	11.9	5.2
A00307304	0.74	0.04	12.3	0.28	32.3	5.3	4.5	71.1	0.34	27.6
A00307305	0.80	0.06	12.1	0.27	56.8	5.2	5.2	56.7	0.28	23.0
A00307306	0.59	<0.02	11.6	0.21	42.4	6.0	5.1	91.0	0.27	11.4
A00307307	0.76	0.05	13.5	0.19	31.8	5.6	11.4	89.5	0.30	11.3
A00307308	0.46	0.03	9.9	0.18	83.1	4.8	4.7	72.5	0.24	12.3
A00307309	0.40	0.10	15.8	0.15	152	7.0	16.8	66.4	0.54	6.2
A00307310	0.62	0.04	9.4	0.20	83.0	4.5	7.3	86.0	0.20	16.8
A00307311	0.53	0.02	9.2	0.17	44.3	4.2	4.9	77.5	0.08	11.3
A00307312	0.52	0.02	9.5	0.20	25.0	3.9	3.8	73.7	0.17	14.4
A00307313	0.73	0.03	9.7	0.14	47.6	4.4	7.8	58.2	0.09	8.2
A00307314	0.53	0.03	9.4	0.20	34.1	4.3	4.3	78.5	0.15	12.3
A00307315	0.49	0.08	9.8	0.20	25.5	4.2	5.5	73.2	0.14	12.5
A00307316	0.59	<0.02	6.4	0.08	1.51	3.7	12.0	38.8	0.50	2.2
A00307317	0.86	0.02	10.4	0.08	54.4	4.5	5.7	60.4	0.18	5.1
A00307318	0.85	0.04	10.7	0.08	21.5	4.6	7.7	68.4	0.57	5.7
A00307319	0.80	0.03	9.5	0.09	9.13	4.4	6.3	62.7	0.19	6.2
A00307320	0.81	0.03	9.9	0.10	37.3	4.3	7.8	66.0	0.31	7.4
A00307321	0.96	0.08	8.5	0.19	305	3.8	8.2	23.7	1.23	11.6
A00307322	0.77	0.03	9.6	0.07	112	4.0	6.8	61.9	0.30	4.5
A00307323	0.76	0.04	8.9	0.07	8.31	4.0	5.7	57.0	0.23	4.8
A00307324	0.72	0.08	9.9	0.13	27.0	3.7	5.9	59.9	0.68	8.9
A00307325	0.70	0.06	9.3	0.07	6.39	4.1	6.9	62.4	0.21	4.5
A00307326	0.82	0.04	10.6	0.08	24.6	4.6	6.1	60.7	0.16	5.0
A00307327	0.84	0.04	11.3	0.08	14.8	4.5	8.5	58.9	0.24	4.8
A00307328	0.79	0.03	10.6	0.08	16.1	4.6	6.0	61.2	0.13	5.0
A00307329	0.56	0.02	4.0	0.05	1.36	2.9	13.3	23.1	0.56	1.4
A00307330	0.39	0.08	7.5	0.12	9.55	3.0	6.2	57.3	0.17	9.9
A00307331	0.74	0.06	9.6	0.08	6.20	4.5	7.6	61.0	0.28	5.6
A00307332	0.55	0.04	9.9	0.14	19.0	3.6	4.4	44.0	1.41	8.4
A00307333	0.56	0.04	9.8	0.17	46.0	3.7	3.7	48.1	1.41	8.5
*Dup A00307333	0.55	0.03	9.5	0.17	47.8	3.6	4.3	46.1	1.35	8.3
A00307334	0.50	0.03	9.9	0.18	20.1	3.5	4.7	43.8	0.39	8.2
A00307335	0.34	0.05	8.1	0.14	28.5	3.1	6.3	54.1	0.54	5.9
A00307336	0.53	0.05	8.6	0.13	18.3	4.1	14.2	55.1	2.25	6.8
A00307337	0.47	0.04	8.5	0.12	20.6	3.8	7.4	56.1	2.40	6.7
A00307338	0.91	0.03	9.8	0.08	3.95	4.2	7.0	69.8	1.94	5.1

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00307339	0.25	<0.02	9.8	0.03	3.14	1.3	4.1	22.0	1.70	1.3
A00307340	0.19	<0.02	10.2	0.03	6.15	1.4	4.8	19.7	1.70	1.3
A00307341	0.42	0.04	9.4	0.05	4.25	2.2	5.6	35.2	2.69	2.8
A00307342	0.20	0.03	8.9	0.04	4.59	1.5	4.9	24.4	2.78	1.6
A00307343	1.07	0.08	9.2	0.21	344	4.2	8.2	24.8	1.33	13.4
A00307344	0.25	0.02	7.4	0.03	6.59	1.5	3.6	26.9	3.52	1.8
A00307345	0.16	<0.02	8.0	0.03	4.13	0.8	2.8	15.2	3.26	1.1
A00307346	0.61	0.03	9.6	0.06	2.27	3.2	4.9	41.2	2.00	4.2
A00307347	0.70	0.03	9.9	0.07	3.98	3.9	4.4	45.1	0.25	5.0
A00307348	0.49	0.05	8.3	0.06	3.31	2.8	4.8	42.9	0.61	3.9
A00307349	0.55	0.02	9.3	0.06	2.28	2.9	4.6	38.8	0.32	3.6
A00307350	0.49	0.02	7.8	0.05	4.92	2.6	3.4	36.7	0.32	3.1
A00307351	0.21	<0.02	5.2	0.03	3.58	1.1	2.5	19.4	0.25	1.3
A00307352	0.85	0.05	10.6	0.08	9.58	4.4	6.0	68.3	0.28	4.9
A00307353	0.78	0.06	9.8	0.08	5.64	4.5	5.6	66.9	0.62	4.8
A00307354	0.80	0.05	11.7	0.08	4.67	4.5	7.8	70.8	0.35	5.1
A00307355	0.63	0.06	10.4	0.07	4.36	3.8	6.6	64.7	0.44	4.2
A00307356	0.72	0.04	10.3	0.08	4.48	4.1	6.0	66.1	0.23	4.8
A00307357	0.68	<0.02	4.7	0.06	1.94	3.4	12.2	21.2	0.45	1.7
A00307358	0.67	0.07	11.5	0.16	9.43	4.3	4.3	54.5	0.29	9.6
A00307359	0.72	0.08	9.9	0.11	4.47	4.6	6.5	73.5	0.22	6.1
A00307360	0.69	0.05	10.3	0.10	3.57	4.4	5.5	68.2	0.27	6.0
A00307361	0.68	0.07	11.6	0.14	5.20	4.8	5.6	82.5	0.23	7.4
A00307362	0.43	0.13	12.4	0.20	12.9	4.9	8.2	93.1	0.72	9.3
A00307363	0.76	0.03	10.6	0.08	12.6	3.9	9.1	69.1	2.41	5.2
A00307364	0.72	<0.02	5.3	0.06	1.09	3.7	14.0	21.5	0.52	2.0
A00307365	0.82	0.04	11.2	0.08	4.34	4.6	13.7	71.4	0.30	5.7
A00307366	0.87	0.03	10.7	0.08	2.99	4.9	18.7	79.2	0.61	6.3
A00307367	0.44	0.05	12.5	0.22	5.57	4.5	4.4	57.8	0.25	10.5
A00307368	0.40	0.08	12.9	0.14	152	7.3	16.1	61.4	0.57	6.6
A00307369	0.45	0.04	11.6	0.19	8.26	4.5	11.5	72.0	0.31	10.1
A00307370	0.68	0.05	10.4	0.08	9.56	4.4	8.4	63.5	0.22	5.5
*Dup A00307370	0.67	0.03	10.8	0.08	7.83	4.3	4.2	61.3	0.23	5.5
*Rep A00307312	0.53	0.05	9.6	0.21	26.7	4.0	5.3	75.5	0.13	14.4
*Rep A00307370	0.67	0.03	10.8	0.08	8.25	4.3	4.4	59.6	0.23	5.7
*Std CH-4	3.24	0.12	15.8	0.18	3.08	4.1	17.2	75.1	0.74	14.2

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	3.13	0.13	15.9	0.17	2.35	3.8	17.3	77.6	0.80	13.8
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	0.28	<0.1	1.2	<0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307297	<2	0.5	0.49	0.22	0.06	3.2	0.59	1.71	1.6	5.2
A00307298	<2	0.5	0.27	0.28	0.12	3.7	0.66	3.05	3.3	5.9
A00307299	2	0.6	0.26	0.28	0.06	3.4	0.81	2.25	4.5	5.9
A00307300	2	0.4	0.27	0.27	0.29	3.8	0.65	2.01	2.3	6.1
A00307301	<2	0.5	0.27	0.21	0.13	3.1	0.40	2.08	1.1	4.9
A00307302	<2	0.5	0.24	0.21	0.10	3.2	0.48	1.80	1.2	4.9
A00307303	2	0.5	0.31	0.22	0.08	3.2	0.51	1.90	1.0	4.9
A00307304	2	1.1	0.32	0.66	<0.05	1.6	0.49	1.27	1.0	19.2
A00307305	2	1.5	0.31	0.60	0.08	2.7	0.40	1.43	1.4	17.8
A00307306	<2	0.8	0.46	0.51	<0.05	3.7	0.76	0.77	2.2	15.1
A00307307	<2	0.7	0.41	0.45	0.16	3.5	0.75	0.97	0.9	13.1
A00307308	<2	0.6	0.35	0.42	0.05	2.3	0.60	0.77	0.8	12.8
A00307309	<2	2.7	0.35	0.33	0.13	5.2	0.47	0.97	0.5	9.6
A00307310	<2	0.6	0.29	0.43	0.08	2.3	0.59	0.92	0.8	13.1
A00307311	<2	0.5	0.27	0.40	<0.05	2.4	0.55	0.90	0.7	11.9
A00307312	<2	0.6	0.24	0.45	0.12	1.7	0.55	0.74	0.6	14.1
A00307313	<2	0.5	0.30	0.34	<0.05	2.9	0.44	1.61	0.7	9.4
A00307314	<2	0.8	0.26	0.44	0.61	2.1	0.52	0.81	1.3	13.5
A00307315	2	0.6	0.25	0.46	0.13	2.1	0.54	0.74	0.6	13.9
A00307316	<2	0.7	0.19	0.16	<0.05	1.3	0.26	0.68	0.3	4.0
A00307317	<2	0.4	0.30	0.24	0.06	3.4	0.36	2.29	0.6	5.8
A00307318	<2	0.4	0.33	0.24	0.09	3.9	0.43	2.48	0.7	5.6
A00307319	<2	0.4	0.31	0.25	<0.05	3.4	0.49	2.04	1.2	6.1
A00307320	<2	0.4	0.29	0.28	<0.05	3.1	0.57	1.82	2.2	6.9
A00307321	<2	1.3	0.24	0.42	0.08	1.9	0.21	0.77	20.8	12.9
A00307322	<2	0.4	0.27	0.22	0.05	3.3	0.39	2.15	0.8	5.1
A00307323	<2	0.4	0.27	0.21	0.05	3.2	0.37	2.24	0.5	5.2
A00307324	<2	0.8	0.26	0.32	0.18	2.7	0.45	1.92	1.5	9.0
A00307325	<2	0.5	0.28	0.20	0.09	3.4	0.40	2.10	0.6	4.7
A00307326	<2	0.5	0.32	0.23	0.09	3.8	0.36	2.23	0.6	5.4
A00307327	<2	0.4	0.33	0.23	0.08	3.9	0.35	2.37	0.8	5.3
A00307328	<2	0.4	0.32	0.22	0.05	3.7	0.38	2.31	0.5	5.1
A00307329	<2	0.6	0.18	0.10	<0.05	1.6	0.24	0.74	0.2	2.5
A00307330	3	0.7	0.17	0.30	0.12	1.1	0.39	0.73	0.5	8.3
A00307331	<2	0.6	0.31	0.22	0.09	3.6	0.39	1.98	0.6	5.5
A00307332	<2	0.9	0.22	0.35	0.09	1.3	0.39	1.03	1.9	9.6
A00307333	<2	0.8	0.20	0.41	<0.05	1.2	0.36	0.92	2.8	12.3
*Dup A00307333	<2	0.7	0.20	0.40	<0.05	1.2	0.35	0.90	2.5	11.6
A00307334	<2	0.7	0.21	0.39	<0.05	1.3	0.31	0.80	1.1	11.7
A00307335	<2	0.5	0.17	0.35	0.14	1.0	0.41	0.53	1.1	10.7
A00307336	<2	0.5	0.80	0.34	0.11	1.9	0.43	1.01	1.6	8.9
A00307337	<2	0.5	0.40	0.31	0.09	1.7	0.44	0.92	1.5	8.5
A00307338	<2	0.6	0.34	0.22	0.08	4.1	0.59	2.06	1.1	5.5

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307339	<2	0.4	0.08	0.13	0.06	1.3	0.23	0.61	1.4	2.8
A00307340	<2	0.5	0.05	0.12	0.11	0.9	0.24	0.72	1.5	2.6
A00307341	<2	0.4	0.16	0.17	0.15	1.9	0.52	0.94	5.2	3.5
A00307342	<2	0.6	0.09	0.13	0.20	1.1	0.31	0.44	5.1	2.9
A00307343	<2	1.5	0.27	0.46	0.06	2.0	0.23	0.80	22.8	14.1
A00307344	<2	0.5	0.09	0.12	0.15	1.3	0.38	0.44	5.7	2.6
A00307345	<2	0.3	<0.05	0.12	0.17	0.7	0.22	0.56	2.6	2.1
A00307346	<2	0.5	0.23	0.19	0.52	2.8	0.53	1.12	7.0	4.5
A00307347	<2	0.4	0.27	0.21	0.18	3.2	0.38	1.31	0.8	5.0
A00307348	<2	0.5	0.20	0.17	0.26	2.3	0.33	0.77	0.9	4.1
A00307349	<2	0.4	0.21	0.17	0.19	2.9	0.27	0.99	0.7	3.9
A00307350	<2	0.5	0.18	0.15	0.20	2.1	0.25	0.89	1.0	3.7
A00307351	<2	0.4	0.07	0.10	0.19	1.1	0.14	0.46	1.1	2.2
A00307352	<2	0.5	0.30	0.23	0.17	3.4	0.45	2.11	0.6	5.5
A00307353	2	0.5	0.29	0.23	0.09	3.2	0.47	1.96	0.6	5.4
A00307354	<2	0.6	0.31	0.24	0.10	3.8	0.48	1.99	0.5	5.5
A00307355	<2	0.5	0.26	0.20	0.24	3.1	0.43	1.77	1.0	4.8
A00307356	<2	0.4	0.28	0.24	0.09	3.3	0.41	1.94	0.4	5.5
A00307357	<2	0.8	0.17	0.11	<0.05	1.3	0.24	0.71	0.3	3.0
A00307358	3	1.0	0.25	0.38	0.13	2.1	0.35	1.50	0.8	11.0
A00307359	<2	0.5	0.31	0.29	0.13	2.9	0.46	1.81	0.6	7.6
A00307360	<2	0.5	0.28	0.29	0.09	3.0	0.44	1.73	0.6	7.5
A00307361	2	0.6	0.30	0.37	0.14	3.0	0.50	1.70	0.7	10.2
A00307362	<2	0.6	0.30	0.52	0.16	2.0	0.59	0.78	0.9	15.2
A00307363	<2	0.4	0.25	0.24	0.29	3.1	0.46	2.18	1.2	5.8
A00307364	<2	0.8	0.19	0.13	<0.05	1.7	0.24	0.81	0.2	3.1
A00307365	<2	0.5	1.05	0.24	0.13	3.4	0.40	2.21	0.6	5.6
A00307366	<2	0.5	2.81	0.25	0.12	3.4	0.50	2.08	0.7	6.0
A00307367	2	1.1	0.25	0.54	0.12	1.1	0.37	0.75	0.7	15.6
A00307368	<2	2.7	0.36	0.30	0.10	4.3	0.47	0.69	0.5	9.0
A00307369	<2	0.8	0.26	0.46	0.16	1.7	0.44	1.00	0.6	13.3
A00307370	<2	0.7	0.29	0.25	0.09	3.0	0.45	1.85	0.8	6.0
*Dup A00307370	<2	0.6	0.29	0.25	0.09	3.0	0.40	1.81	0.9	5.9
*Rep A00307312	<2	0.6	0.25	0.46	0.14	2.0	0.57	0.83	0.6	14.4
*Rep A00307370	<2	0.7	0.27	0.25	0.10	2.9	0.40	1.85	0.9	6.1
*Std CH-4	2	1.1	0.32	0.40	0.55	2.9	0.41	0.98	3.2	10.0

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	2	1.1	0.28	0.38	0.40	2.4	0.42	0.75	3.5	10.3
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	0.2	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307297	0.4
A00307298	0.5
A00307299	0.5
A00307300	0.5
A00307301	0.4
A00307302	0.4
A00307303	0.5
A00307304	1.9
A00307305	1.8
A00307306	1.5
A00307307	1.3
A00307308	1.2
A00307309	0.9
A00307310	1.3
A00307311	1.1
A00307312	1.4
A00307313	0.9
A00307314	1.3
A00307315	1.3
A00307316	0.4
A00307317	0.5
A00307318	0.5
A00307319	0.5
A00307320	0.6
A00307321	1.3
A00307322	0.5
A00307323	0.5
A00307324	0.8
A00307325	0.4
A00307326	0.5
A00307327	0.5
A00307328	0.5
A00307329	0.3
A00307330	0.8
A00307331	0.5
A00307332	0.9
A00307333	1.2
*Dup A00307333	1.1
A00307334	1.2
A00307335	1.0
A00307336	0.9
A00307337	0.8
A00307338	0.5

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307339	0.2
A00307340	0.2
A00307341	0.3
A00307342	0.2
A00307343	1.4
A00307344	0.2
A00307345	0.2
A00307346	0.4
A00307347	0.5
A00307348	0.4
A00307349	0.4
A00307350	0.3
A00307351	0.2
A00307352	0.5
A00307353	0.5
A00307354	0.5
A00307355	0.4
A00307356	0.5
A00307357	0.4
A00307358	1.1
A00307359	0.7
A00307360	0.7
A00307361	0.9
A00307362	1.4
A00307363	0.5
A00307364	0.4
A00307365	0.5
A00307366	0.5
A00307367	1.4
A00307368	0.9
A00307369	1.2
A00307370	0.5
*Dup A00307370	0.5
*Rep A00307312	1.4
*Rep A00307370	0.5
*Std CH-4	1.1

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*Std CH-4	1.1
*Blk BLANK	<0.1

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Certificate of Analysis

Work Order: VC122492

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 18, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE013-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 19, 2012
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307371	7.350	20	7.26	764	2.68	17	1570	2.69	3.14	16
A00307372	7.740	13	6.80	771	2.12	14	941	2.56	2.85	9
A00307373	4.180	12	7.83	739	3.25	30	1150	3.06	2.65	11
A00307374	1.950	12	7.60	798	2.15	17	1190	2.84	3.02	8
A00307375	2.130	15	7.82	788	2.16	17	2120	2.89	3.09	8
A00307376	2.490	39	7.11	539	2.90	15	4020	3.18	4.13	6
A00307377	3.000	<5	6.81	1240	0.79	9	17.8	1.42	2.52	7
A00307378	2.620	8	7.85	665	2.68	27	759	2.91	2.57	8
A00307379	4.930	15	7.75	758	2.42	19	1670	2.89	3.01	7
A00307380	4.740	14	7.30	707	2.21	16	1000	3.00	2.63	5
A00307381	2.410	17	7.60	1060	1.63	12	1880	3.22	3.72	7
A00307382	0.110	308	7.94	1610	2.24	17	1770	3.91	2.47	11
A00307383	3.970	55	5.37	817	1.51	14	4270	3.22	2.49	5
A00307384	2.510	19	7.65	772	2.30	17	1770	2.70	2.48	5
A00307385	7.360	22	7.22	1030	2.19	15	1930	3.09	2.78	7
A00307386	6.600	14	7.81	739	2.46	16	1070	2.63	2.75	6
A00307387	7.500	13	7.68	817	2.23	12	972	2.98	2.86	6
A00307388	7.170	9	7.79	872	2.16	13	733	2.67	2.94	5
A00307389	3.570	<5	5.72	1290	0.68	8	7.4	1.53	2.44	5
A00307390	7.120	17	7.86	1090	1.95	13	900	2.77	3.26	6
A00307391	7.400	31	6.92	1280	2.74	9	2260	2.97	3.45	6
A00307392	7.740	31	7.03	976	3.52	14	2030	2.40	2.78	8
A00307393	6.890	9	7.17	462	2.44	12	1120	2.09	2.12	5
A00307394	6.920	18	7.72	748	2.86	17	1410	2.08	3.11	5
A00307395	7.220	26	7.50	792	2.47	16	2100	2.84	3.06	5
A00307396	0.110	320	8.02	1590	2.22	19	1860	3.77	2.52	10
A00307397	7.290	19	7.48	795	2.54	11	1850	2.17	3.21	9
A00307398	3.160	12	7.87	794	2.50	15	1110	2.49	2.96	5
A00307399	3.420	15	7.77	757	2.42	11	1120	2.23	2.99	6
A00307400	6.980	14	7.87	738	2.85	13	1380	2.52	3.04	6
A00307401	6.970	29	7.66	557	3.01	10	2340	2.13	2.39	4
A00307402	6.580	20	7.33	763	2.66	15	1810	2.58	2.80	7
A00307403	7.250	23	7.35	798	2.46	12	2320	2.22	3.04	7
A00307404	7.160	24	7.51	767	2.89	19	2350	2.93	2.75	5
A00307405	7.010	14	7.87	785	2.51	11	1360	2.88	2.64	5
A00307406	6.730	19	8.19	786	2.58	22	997	3.22	2.54	5
A00307407	3.330	<5	6.66	1150	0.73	6	5.9	1.33	2.51	5
A00307408	6.970	9	8.01	791	2.50	12	745	3.04	2.74	5
A00307409	7.100	8	8.08	758	2.77	14	689	3.31	2.58	5
A00307410	7.110	10	7.33	710	2.83	10	669	2.71	2.41	8
A00307411	6.740	13	7.40	738	2.41	14	1030	2.79	2.74	8
A00307412	7.270	15	7.62	768	2.44	22	1130	3.30	2.91	7
A00307413	6.990	21	7.45	823	2.24	15	1250	3.22	3.15	6

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307414	0.105	428	6.10	496	2.15	36	5210	3.73	0.95	15
A00307415	7.150	12	7.99	751	2.48	12	452	3.12	2.73	5
A00307416	6.750	8	7.89	860	2.59	17	863	3.00	2.61	7
A00307417	6.700	8	7.52	753	2.53	11	834	2.64	2.68	8
A00307418	6.810	7	7.57	1100	2.49	17	718	2.92	2.92	12
A00307419	6.390	16	7.36	785	2.92	14	1720	2.48	2.70	15
A00307420	2.740	8	9.02	482	2.05	5	218	5.58	2.39	11
A00307421	6.820	25	8.67	624	2.55	4	487	5.15	2.43	10
A00307422	3.770	12	8.66	389	3.02	5	346	5.20	2.00	13
A00307423	3.220	14	8.93	396	2.96	4	387	5.25	2.10	13
A00307424	7.030	27	8.60	326	3.50	13	973	5.35	2.87	10
A00307425	7.270	47	8.70	279	2.79	24	1270	6.55	2.50	9
A00307426	3.130	62	9.32	403	3.09	34	1520	5.37	2.85	20
A00307427	5.830	25	6.98	1390	1.56	6	665	1.30	5.85	15
A00307428	3.570	40	7.92	384	4.89	18	1330	2.48	3.83	12
A00307429	3.210	<5	7.04	1460	1.24	8	8.4	1.49	2.52	8
A00307430	6.770	116	6.86	404	5.67	20	4330	4.21	3.87	12
A00307431	7.290	110	8.53	286	2.41	19	2840	4.43	2.90	11
A00307432	7.090	326	8.46	798	2.52	21	8110	5.16	4.22	9
A00307433	7.500	24	8.69	265	2.73	20	858	6.18	2.59	15
A00307434	7.050	27	9.02	238	3.56	19	828	5.25	1.86	13
A00307435	7.270	<5	9.27	247	3.83	24	87.9	5.55	1.38	13
A00307436	0.105	329	7.59	1590	2.20	15	1810	3.74	2.49	10
A00307437	7.060	12	8.48	193	3.60	18	341	5.76	1.30	12
A00307438	7.060	<5	8.83	356	4.08	21	122	5.51	1.44	11
A00307439	3.260	18	8.26	299	2.94	15	507	4.92	2.09	12
A00307440	3.580	19	8.99	311	3.26	19	589	5.38	2.12	13
A00307441	7.020	17	8.95	287	3.55	22	623	4.98	1.86	11
A00307442	7.130	<5	8.64	304	3.92	20	46.3	5.56	1.96	12
A00307443	7.100	<5	9.38	352	3.41	19	82.8	5.12	2.08	12
A00307444	7.280	64	8.80	801	1.96	10	732	5.92	2.90	8
*Rep A00307403		21								
*Rep A00307423		13								
*Std SH65		1370								
*Std OXF100		823								
*Std AMIS0258		3510								
*Std SH65		1370								
*Blk BLANK		<5								
*Rep A00307391			6.80	1220	2.71	10	2160	2.86	3.32	5
*Rep A00307412			7.56	773	2.44	18	1100	3.42	2.89	6
*Std CH-4			7.47	448	1.83	73	1950	4.78	1.89	15
*Std CH-4			7.13	435	1.75	74	1880	4.68	1.81	14
*Blk BLANK			0.11	4	0.02	<1	0.9	0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307371	0.66	299	1.92	7.2	780	0.47	418	0.23	73	30
A00307372	0.65	261	1.95	7.9	720	0.31	395	0.20	57	21
A00307373	0.80	396	2.06	9.0	800	0.39	408	0.25	83	33
A00307374	0.75	265	2.19	7.5	830	0.62	455	0.22	65	26
A00307375	0.74	286	2.22	26.9	780	0.92	456	0.21	61	33
A00307376	0.87	339	1.72	7.2	960	0.95	249	0.26	69	24
A00307377	0.34	341	4.04	4.8	430	0.09	639	0.14	31	48
A00307378	0.91	386	2.62	10.4	900	0.37	512	0.27	65	37
A00307379	0.94	339	2.16	8.4	790	0.95	473	0.22	69	29
A00307380	1.03	372	2.41	9.2	820	0.22	484	0.24	70	35
A00307381	1.49	284	1.92	5.8	660	0.31	347	0.33	124	31
A00307382	0.72	686	2.62	13.8	720	0.34	721	0.20	70	69
A00307383	0.54	221	1.33	6.2	360	0.79	237	0.17	72	22
A00307384	0.90	354	2.51	7.3	750	0.34	543	0.22	66	33
A00307385	0.88	320	2.15	6.3	680	0.53	409	0.23	75	31
A00307386	0.84	333	2.31	6.6	750	0.34	474	0.24	64	32
A00307387	0.81	324	2.49	6.7	840	0.56	527	0.22	64	30
A00307388	0.89	328	2.59	6.6	840	0.32	552	0.23	66	28
A00307389	0.30	323	3.71	5.8	390	<0.01	492	0.13	30	41
A00307390	0.92	348	2.43	5.3	760	0.44	494	0.24	66	29
A00307391	0.70	308	1.92	5.2	560	0.43	336	0.23	79	31
A00307392	0.43	329	1.52	4.5	510	0.64	289	0.20	59	30
A00307393	0.67	196	2.60	6.5	710	0.80	507	0.20	48	14
A00307394	0.67	246	2.38	5.4	700	0.77	529	0.21	53	20
A00307395	0.75	359	2.46	22.7	640	0.88	573	0.21	59	31
A00307396	0.71	677	2.70	13.9	710	0.29	722	0.21	68	69
A00307397	0.70	223	2.36	6.9	710	1.05	562	0.21	60	21
A00307398	0.84	315	2.76	8.6	760	0.49	575	0.24	65	23
A00307399	0.85	293	2.68	6.2	770	0.47	570	0.24	63	26
A00307400	0.74	305	2.68	7.3	750	0.78	622	0.23	63	19
A00307401	0.66	230	2.88	5.6	740	1.11	613	0.22	62	17
A00307402	0.65	289	2.38	7.7	690	0.74	512	0.23	60	31
A00307403	0.66	265	2.28	6.8	700	0.91	513	0.22	60	23
A00307404	0.77	323	2.40	10.2	670	1.16	1220	0.19	65	50
A00307405	1.03	422	2.75	7.8	800	0.38	567	0.24	76	35
A00307406	1.04	499	2.77	9.9	800	0.37	558	0.25	70	40
A00307407	0.32	296	4.12	4.5	430	<0.01	615	0.13	29	35
A00307408	0.99	438	2.80	7.5	870	0.24	565	0.25	78	40
A00307409	1.07	516	2.94	9.3	830	0.32	602	0.26	79	40
A00307410	0.84	387	2.55	6.9	790	0.50	532	0.23	69	34
A00307411	0.79	401	2.34	7.5	770	0.21	474	0.23	67	62
A00307412	1.11	515	2.40	9.4	820	0.51	508	0.24	82	42
A00307413	0.92	394	2.30	7.6	760	0.41	500	0.24	72	33

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307414	1.10	666	2.04	25.1	320	0.62	280	0.27	88	44
A00307415	0.99	439	2.72	7.4	820	0.56	555	0.25	70	34
A00307416	0.87	510	2.53	9.2	850	0.39	524	0.22	67	39
A00307417	0.78	350	2.30	6.6	790	0.41	466	0.21	68	35
A00307418	0.74	393	1.99	7.6	750	0.47	442	0.22	67	40
A00307419	0.49	276	0.99	5.6	710	0.78	270	0.19	58	39
A00307420	1.11	399	4.17	1.6	980	0.05	330	0.44	170	38
A00307421	1.05	388	3.44	1.5	920	0.09	358	0.42	151	21
A00307422	1.23	280	3.80	2.2	970	0.03	356	0.47	160	18
A00307423	1.23	390	3.78	0.6	960	0.08	346	0.42	155	20
A00307424	1.73	322	3.39	2.3	750	0.11	325	0.45	179	18
A00307425	1.92	360	3.71	4.3	950	0.15	318	0.49	193	27
A00307426	1.79	365	2.96	6.1	610	0.19	306	0.50	223	28
A00307427	0.61	206	0.57	4.3	320	0.10	106	0.07	24	10
A00307428	1.98	289	2.40	3.9	580	0.17	282	0.39	173	18
A00307429	0.36	338	3.70	5.4	410	0.02	859	0.13	31	33
A00307430	2.66	459	1.96	5.2	420	0.52	181	0.36	193	23
A00307431	1.59	281	3.62	5.1	590	0.34	212	0.40	184	16
A00307432	1.88	414	2.88	4.8	360	1.06	253	0.45	224	35
A00307433	2.44	358	3.34	5.3	650	0.10	377	0.51	219	29
A00307434	2.51	383	3.68	4.6	690	0.09	381	0.51	223	31
A00307435	2.74	482	3.51	6.2	690	0.06	454	0.49	208	55
A00307436	0.71	672	2.63	13.5	690	0.28	705	0.21	68	68
A00307437	2.54	404	3.75	4.0	710	0.04	367	0.45	194	22
A00307438	2.59	433	3.19	5.2	710	0.01	422	0.50	203	22
A00307439	2.19	327	3.16	4.0	630	0.05	330	0.42	186	25
A00307440	2.35	416	3.23	5.6	650	0.10	349	0.44	208	31
A00307441	1.76	399	3.52	5.3	660	0.09	386	0.47	206	28
A00307442	1.90	397	3.40	4.6	720	<0.01	399	0.48	210	25
A00307443	1.57	437	3.27	4.9	760	0.03	429	0.45	195	40
A00307444	1.39	478	3.77	4.0	730	0.29	257	0.37	138	28
*Rep A00307391	0.67	289	1.89	5.5	570	0.40	327	0.22	75	29
*Rep A00307412	1.11	514	2.36	9.0	760	0.49	497	0.25	78	38
*Std CH-4	1.38	428	3.06	44.0	570	0.67	212	0.30	83	180
*Std CH-4	1.33	411	2.92	42.3	530	0.64	203	0.28	79	177
*BIK BLANK	<0.01	12	<0.01	<0.5	<50	<0.01	1.4	<0.01	<2	2

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Element Method Det.Lim. Units	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
	0.5 ppm	0.02 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm	0.05 ppm	0.1 ppm	5 ppm	0.1 ppm
A00307371	19.9	0.66	52	0.9	0.25	0.07	22.6	11.9	9	19.3
A00307372	20.4	0.40	22	0.8	0.23	0.05	24.2	8.6	<5	17.8
A00307373	24.9	0.39	42	0.9	0.24	0.07	31.6	12.8	8	19.7
A00307374	22.5	0.43	2	1.0	0.40	0.07	24.6	10.8	<5	20.1
A00307375	23.1	0.62	3	1.1	0.45	0.11	25.6	13.3	<5	20.3
A00307376	52.0	1.76	29	0.7	8.45	0.15	29.0	12.3	<5	17.9
A00307377	13.6	0.05	3	1.9	0.12	0.03	16.3	4.4	<5	23.4
A00307378	30.3	0.26	3	1.0	3.17	0.11	25.3	11.2	<5	21.1
A00307379	25.0	0.53	21	1.0	1.31	0.12	24.8	11.5	<5	21.2
A00307380	30.7	0.40	3	1.0	0.20	0.13	24.1	12.3	<5	19.9
A00307381	58.0	0.57	1	1.2	0.14	0.08	28.1	11.3	<5	19.4
A00307382	12.9	0.77	3	1.5	0.36	0.28	31.5	8.8	<5	20.6
A00307383	13.2	1.38	2	0.8	0.38	0.15	26.8	9.8	<5	12.9
A00307384	24.5	0.71	1	1.0	0.20	0.13	25.8	11.1	<5	19.6
A00307385	22.5	0.76	5	1.0	0.39	0.13	28.3	10.8	<5	18.1
A00307386	26.0	0.42	2	1.1	0.20	0.08	23.5	10.5	<5	19.9
A00307387	22.5	0.41	2	1.0	1.45	0.10	24.8	10.7	<5	20.6
A00307388	22.2	0.28	2	1.1	0.19	0.05	24.5	10.3	<5	20.7
A00307389	12.5	0.03	4	2.0	0.07	<0.02	14.1	4.0	<5	21.3
A00307390	21.2	0.39	3	1.0	0.25	0.09	26.8	9.5	<5	19.4
A00307391	18.3	0.75	140	1.0	0.19	0.10	29.7	9.4	<5	16.4
A00307392	17.2	0.64	182	1.0	0.34	0.14	29.3	8.8	<5	16.5
A00307393	19.2	0.38	3	1.2	0.15	0.05	23.6	7.6	<5	19.1
A00307394	18.9	0.55	8	1.0	0.19	0.07	24.5	7.8	<5	19.9
A00307395	22.2	0.59	3	1.0	0.31	0.12	21.2	10.8	<5	19.5
A00307396	15.0	0.69	4	1.5	0.33	0.28	31.3	8.7	<5	20.4
A00307397	22.2	0.64	15	1.0	0.21	0.10	22.7	9.2	<5	20.3
A00307398	24.0	0.46	3	1.1	0.17	0.08	26.6	8.8	<5	21.0
A00307399	23.5	0.43	4	1.1	0.20	0.09	25.9	8.2	<5	21.0
A00307400	22.8	0.42	15	1.0	0.34	0.08	25.6	8.3	<5	21.1
A00307401	20.6	0.63	1	1.1	0.27	0.08	18.7	8.3	<5	20.7
A00307402	21.9	0.63	25	1.0	1.72	0.17	22.7	10.1	<5	20.6
A00307403	20.8	0.63	16	1.0	0.56	0.09	24.2	8.7	<5	19.8
A00307404	23.6	0.65	4	1.0	0.38	0.18	24.6	11.0	<5	19.4
A00307405	28.5	0.54	2	1.0	0.23	0.09	24.4	12.3	<5	20.2
A00307406	30.2	0.29	4	1.1	0.22	0.12	26.4	12.8	<5	21.0
A00307407	12.0	<0.02	2	2.4	0.05	0.04	16.2	3.6	<5	23.0
A00307408	28.4	0.28	4	1.1	0.22	0.11	25.7	11.9	<5	21.0
A00307409	29.4	0.25	3	1.2	0.15	0.13	25.6	12.6	<5	21.3
A00307410	25.9	0.24	8	0.9	0.18	0.12	22.3	10.9	<5	19.0
A00307411	26.9	0.34	52	0.8	0.14	0.38	22.5	11.4	8	19.0
A00307412	27.2	0.40	4	0.9	0.18	0.11	26.6	13.2	<5	19.9
A00307413	25.8	0.51	2	0.8	0.23	0.11	23.8	11.4	<5	19.2

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307414	35.9	1.06	6	0.7	0.12	0.37	20.6	14.0	<5	13.3
A00307415	27.4	0.22	2	0.9	0.31	0.11	24.5	11.6	<5	19.9
A00307416	27.7	0.36	7	0.9	0.32	0.12	24.4	11.7	<5	19.9
A00307417	26.5	0.30	8	0.9	0.19	0.09	24.3	11.0	<5	19.5
A00307418	27.7	0.30	17	0.9	0.79	0.17	21.8	10.7	6	19.4
A00307419	24.4	0.49	93	0.8	0.83	0.21	21.8	10.9	6	19.0
A00307420	51.2	0.07	11	1.1	0.14	0.07	30.7	9.9	10	20.0
A00307421	50.0	0.15	35	1.0	0.05	0.07	28.5	9.3	9	19.7
A00307422	53.2	0.14	12	1.1	0.04	0.05	28.9	9.6	11	21.6
A00307423	52.8	0.11	11	1.1	0.06	0.06	30.0	9.6	10	21.6
A00307424	59.0	0.23	31	1.1	0.06	0.09	28.3	11.3	12	21.1
A00307425	67.7	0.30	24	1.1	0.08	0.08	26.8	13.1	10	22.1
A00307426	73.8	0.31	75	1.1	0.11	0.06	26.0	13.6	15	23.3
A00307427	45.1	0.37	43	0.6	0.09	0.07	9.69	4.5	6	16.2
A00307428	64.5	0.40	55	1.1	0.07	0.09	25.0	6.9	13	23.5
A00307429	12.0	0.02	2	2.1	0.05	0.03	17.6	4.1	<5	23.1
A00307430	53.1	0.59	101	0.8	0.09	0.24	31.2	13.1	9	19.3
A00307431	56.4	0.40	58	1.1	0.09	0.07	29.9	11.2	12	21.8
A00307432	74.1	1.92	67	1.1	0.16	0.20	28.3	13.5	6	23.4
A00307433	77.2	0.29	7	0.9	0.08	0.06	28.9	14.3	6	21.3
A00307434	74.3	0.29	7	1.0	0.09	0.07	33.3	17.3	<5	21.3
A00307435	75.6	0.06	6	1.0	0.11	0.08	30.3	16.6	9	20.9
A00307436	12.7	0.79	4	1.3	0.31	0.28	31.3	8.9	<5	20.3
A00307437	72.5	0.13	6	1.0	0.07	0.05	31.2	16.7	7	20.6
A00307438	56.4	0.11	5	1.0	0.05	0.05	29.4	17.0	6	22.0
A00307439	75.1	0.21	6	1.2	0.07	0.08	30.8	12.6	6	21.3
A00307440	71.6	0.22	6	1.2	0.08	0.19	31.8	14.5	6	22.5
A00307441	75.1	0.19	42	1.0	0.10	0.09	29.5	13.6	9	21.2
A00307442	64.4	0.05	13	1.0	0.05	0.05	30.1	14.3	18	21.3
A00307443	63.0	0.13	31	1.2	0.08	0.11	32.8	12.3	22	23.1
A00307444	61.0	0.55	39	1.3	0.07	0.04	26.2	10.0	6	21.5
*Rep A00307391	17.7	0.66	134	1.0	0.17	0.10	29.0	9.0	<5	16.1
*Rep A00307412	25.6	0.37	4	0.9	0.17	0.09	25.3	12.8	<5	19.1
*Std CH-4	110	2.27	8	0.8	0.46	1.20	33.8	25.0	<5	20.4
*Std CH-4	106	1.91	9	0.6	0.48	1.02	32.7	23.8	<5	16.9
*BIK BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.21	<0.1	<5	0.1

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00307371	0.73	0.04	11.2	0.10	21.0	4.1	6.5	85.9	2.13	8.2
A00307372	0.77	0.03	12.3	0.11	17.9	4.4	5.7	72.8	1.95	5.6
A00307373	0.92	0.03	16.6	0.13	8.68	4.6	6.2	69.6	3.22	11.4
A00307374	0.86	0.03	11.9	0.12	5.36	4.6	7.0	77.2	0.40	6.5
A00307375	0.92	0.04	12.5	0.12	4.85	4.3	10.0	72.5	0.41	6.8
A00307376	1.11	0.06	13.6	0.29	17.0	5.4	7.0	100	0.71	10.0
A00307377	0.73	0.02	7.1	0.10	2.19	3.8	13.9	41.5	0.54	3.2
A00307378	1.14	0.03	12.4	0.12	5.54	5.5	6.4	65.3	0.37	7.9
A00307379	0.93	0.04	12.1	0.11	6.51	4.6	8.3	76.1	0.33	8.2
A00307380	1.09	0.03	12.0	0.14	9.42	5.2	6.6	71.9	0.23	7.8
A00307381	1.79	0.03	14.3	0.36	19.2	6.4	5.6	121	0.25	14.9
A00307382	0.47	0.09	17.2	0.17	164	7.3	17.9	71.0	0.69	7.8
A00307383	0.55	0.09	13.6	0.26	12.8	4.3	5.8	57.9	0.42	7.1
A00307384	0.89	0.05	13.1	0.11	11.5	4.3	6.6	59.3	0.34	6.8
A00307385	0.91	0.05	14.4	0.20	12.8	5.2	6.4	68.7	2.80	8.2
A00307386	0.99	0.03	11.8	0.11	7.64	4.6	6.8	67.6	0.30	7.3
A00307387	0.87	0.03	12.4	0.10	6.28	4.6	6.6	73.1	3.52	6.2
A00307388	0.91	0.03	12.0	0.10	3.65	4.7	7.0	70.9	0.17	6.5
A00307389	0.71	<0.02	6.5	0.07	3.09	3.7	11.4	33.5	0.54	2.3
A00307390	0.88	0.03	13.3	0.18	6.76	5.1	6.9	76.1	0.20	8.4
A00307391	0.73	0.04	14.8	0.27	6.88	5.7	6.6	76.3	0.46	9.3
A00307392	0.70	0.05	14.8	0.26	7.14	5.0	5.6	62.1	0.92	8.6
A00307393	0.73	<0.02	10.5	0.12	8.92	4.7	5.2	55.3	0.22	5.3
A00307394	0.73	0.03	11.8	0.09	7.59	4.4	6.1	69.8	0.20	5.7
A00307395	0.85	0.04	10.0	0.09	10.4	4.6	8.2	64.0	0.20	6.1
A00307396	0.49	0.09	16.8	0.16	174	7.4	18.6	67.3	0.63	7.1
A00307397	0.86	0.03	10.7	0.09	29.7	4.5	5.9	71.6	12.4	5.7
A00307398	0.95	0.04	11.7	0.10	14.7	5.3	6.4	56.7	2.58	6.1
A00307399	0.97	0.04	11.4	0.10	14.8	5.0	6.6	56.7	4.20	6.4
A00307400	0.93	0.04	11.9	0.09	9.86	5.0	6.2	56.1	3.75	5.8
A00307401	0.81	0.04	9.3	0.08	14.9	4.7	6.3	50.4	0.27	5.6
A00307402	0.88	0.04	10.4	0.09	13.6	5.0	6.7	57.3	9.52	5.7
A00307403	0.84	0.04	10.8	0.09	8.26	4.6	7.3	61.0	4.49	5.6
A00307404	0.89	0.06	11.4	0.09	17.4	4.5	5.9	61.2	0.31	5.8
A00307405	1.08	0.03	12.0	0.10	6.42	4.7	7.1	64.0	0.13	7.1
A00307406	1.13	0.03	13.1	0.11	8.12	5.0	8.1	61.9	0.37	7.9
A00307407	0.71	0.02	7.9	0.07	1.74	3.5	11.3	37.1	0.51	2.5
A00307408	1.07	0.03	12.5	0.10	6.52	4.8	10.1	68.9	0.52	7.2
A00307409	1.10	0.03	12.6	0.11	12.3	5.1	9.5	64.1	0.14	7.6
A00307410	0.91	0.03	11.0	0.09	5.66	4.3	6.8	60.6	0.22	6.4
A00307411	0.92	0.03	11.1	0.09	7.18	4.8	8.5	64.8	12.0	6.2
A00307412	0.90	0.03	13.1	0.10	16.4	4.6	7.5	68.4	0.23	8.7
A00307413	0.87	0.03	12.1	0.09	8.00	4.4	6.7	67.1	0.30	6.2

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00307414	1.07	0.08	9.9	0.22	319	4.0	8.1	29.7	1.39	13.9
A00307415	0.97	0.02	12.4	0.09	10.2	4.4	6.9	60.2	0.20	6.7
A00307416	0.95	0.03	12.2	0.10	6.51	4.7	7.1	57.5	0.53	8.1
A00307417	0.94	0.02	12.2	0.09	4.57	4.2	6.3	60.8	1.40	6.1
A00307418	0.96	0.02	10.8	0.09	7.64	4.4	12.2	67.3	5.61	7.0
A00307419	0.84	0.02	10.7	0.08	3.04	3.9	8.9	66.4	7.16	5.2
A00307420	1.51	0.06	13.2	0.24	13.0	5.9	8.3	74.1	1.94	16.5
A00307421	1.58	0.10	12.1	0.23	50.4	5.3	6.8	69.7	2.58	15.7
A00307422	1.72	0.10	11.7	0.24	21.3	5.9	5.1	60.3	1.69	15.4
A00307423	1.69	0.10	12.7	0.25	18.8	5.7	5.1	66.4	1.69	16.0
A00307424	1.67	0.14	11.7	0.25	44.1	5.0	6.4	95.9	0.67	21.3
A00307425	1.68	0.21	11.1	0.27	28.6	5.1	5.1	115	5.21	26.1
A00307426	2.05	0.22	10.4	0.28	19.4	4.6	5.7	110	7.69	33.1
A00307427	1.59	0.06	5.2	0.12	47.7	3.8	4.2	117	7.43	2.5
A00307428	1.70	0.12	10.6	0.25	91.2	4.2	5.4	108	9.22	24.2
A00307429	0.67	<0.02	8.7	0.08	2.77	3.7	13.0	42.6	0.39	2.8
A00307430	1.40	0.31	14.3	0.27	246	2.9	8.5	115	31.6	22.0
A00307431	1.66	0.22	13.8	0.23	26.2	4.9	6.4	109	7.28	23.2
A00307432	1.81	0.44	14.8	0.27	69.2	4.0	8.5	140	5.71	27.6
A00307433	2.09	0.18	13.4	0.28	1.49	4.8	6.4	96.6	0.93	29.1
A00307434	2.16	0.18	16.6	0.28	6.93	5.1	10.8	69.1	1.04	29.3
A00307435	2.24	0.13	14.4	0.29	2.09	5.4	6.5	53.7	1.11	29.0
A00307436	0.43	0.08	17.0	0.16	140	7.1	17.2	70.7	0.62	7.0
A00307437	1.99	0.18	16.3	0.25	5.81	5.4	5.5	50.2	1.33	25.9
A00307438	1.74	0.12	13.9	0.24	2.12	5.5	5.4	58.2	1.23	28.2
A00307439	2.15	0.13	14.4	0.27	1.52	5.4	5.9	78.7	1.06	24.2
A00307440	2.06	0.13	15.0	0.27	2.79	5.5	7.2	75.8	1.06	25.4
A00307441	2.03	0.14	13.9	0.26	7.19	5.2	6.7	75.6	2.22	27.1
A00307442	1.99	0.12	13.7	0.24	1.24	5.2	8.6	89.4	2.18	26.5
A00307443	1.89	0.11	14.7	0.27	1.73	5.8	12.9	85.2	5.81	24.4
A00307444	1.78	0.13	11.6	0.23	1.38	5.7	7.4	89.2	4.09	18.4
*Rep A00307391	0.72	0.04	14.6	0.26	6.92	5.6	5.6	71.5	0.44	9.0
*Rep A00307412	0.87	0.03	12.5	0.10	15.6	4.5	6.4	66.8	0.19	8.4
*Std CH-4	3.43	0.13	17.3	0.19	2.44	3.9	18.5	81.9	0.84	14.5
*Std CH-4	2.86	0.12	16.6	0.16	2.09	3.3	16.2	73.6	0.72	11.7
*BIK BLANK	<0.02	<0.02	0.1	<0.01	0.06	<0.1	2.1	0.5	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307371	<2	0.5	0.28	0.30	0.17	3.5	0.78	1.71	7.0	7.2
A00307372	<2	0.6	0.35	0.29	0.13	3.7	0.59	1.89	2.8	7.1
A00307373	<2	0.6	0.38	0.38	0.12	3.8	0.54	2.20	1.9	9.5
A00307374	<2	0.7	0.35	0.33	0.23	4.2	0.51	2.14	2.1	8.4
A00307375	2	1.0	0.33	0.33	0.23	4.3	0.53	2.04	2.4	8.6
A00307376	4	0.9	0.32	0.64	4.76	3.0	0.74	1.40	3.2	19.7
A00307377	<2	0.8	0.27	0.17	<0.05	2.2	0.30	0.97	0.3	3.9
A00307378	<2	0.7	0.38	0.33	1.67	4.2	0.40	2.45	1.9	8.2
A00307379	<2	1.0	0.30	0.31	0.57	4.1	0.53	2.47	2.7	7.5
A00307380	<2	0.6	0.34	0.36	0.11	3.9	0.42	2.44	0.7	9.6
A00307381	<2	0.7	0.39	0.62	0.06	4.4	0.76	2.26	0.4	20.5
A00307382	<2	3.0	0.37	0.37	0.16	5.7	0.51	1.01	0.5	10.8
A00307383	3	0.9	0.30	0.48	0.24	4.6	0.38	1.67	0.8	14.4
A00307384	<2	0.5	0.31	0.31	0.12	4.1	0.39	2.34	0.5	7.5
A00307385	<2	0.9	0.37	0.40	0.21	5.1	0.43	2.40	1.5	11.7
A00307386	<2	0.5	0.34	0.29	0.12	4.4	0.47	2.46	1.1	7.3
A00307387	<2	0.7	0.32	0.29	0.77	4.2	0.43	2.23	1.7	6.9
A00307388	<2	0.5	0.34	0.29	0.12	4.3	0.44	2.36	1.0	7.1
A00307389	<2	0.8	0.19	0.16	<0.05	1.5	0.28	0.81	0.2	3.7
A00307390	<2	0.6	0.37	0.38	0.17	5.1	0.47	2.36	1.2	10.4
A00307391	<2	0.7	0.39	0.48	0.13	5.7	0.53	2.29	1.0	14.9
A00307392	<2	0.7	0.37	0.47	0.16	6.3	0.48	2.06	1.5	14.2
A00307393	<2	0.6	0.31	0.31	0.11	3.9	0.36	1.93	1.4	7.6
A00307394	<2	0.6	0.31	0.29	0.09	4.5	0.47	2.07	1.2	6.5
A00307395	<2	0.7	0.31	0.27	0.15	4.3	0.45	2.12	0.9	6.1
A00307396	<2	3.1	0.39	0.37	0.15	5.6	0.52	1.02	0.6	10.5
A00307397	<2	0.6	0.32	0.27	0.15	4.0	0.47	2.51	1.8	5.9
A00307398	<2	1.0	0.34	0.32	0.10	4.1	0.37	2.99	1.0	7.0
A00307399	<2	0.9	0.36	0.31	0.11	4.2	0.38	2.99	0.9	6.9
A00307400	<2	1.0	0.33	0.28	0.14	3.8	0.38	2.70	1.8	6.0
A00307401	<2	0.7	0.31	0.27	0.11	4.0	0.33	2.22	1.2	6.0
A00307402	<2	0.9	0.34	0.27	0.88	4.0	0.37	2.56	1.8	5.8
A00307403	<2	0.9	0.31	0.27	0.14	3.8	0.42	2.57	1.9	5.9
A00307404	<2	0.8	0.29	0.26	0.11	3.8	0.39	2.50	1.1	5.8
A00307405	<2	0.5	0.33	0.29	0.09	4.0	0.36	2.57	0.6	6.6
A00307406	<2	0.7	0.34	0.32	0.05	4.6	0.34	2.67	0.7	7.2
A00307407	<2	0.7	0.19	0.17	0.12	2.2	0.27	0.78	0.2	3.9
A00307408	<2	0.6	0.33	0.30	0.16	4.3	0.39	2.51	1.2	7.2
A00307409	<2	0.6	0.34	0.31	0.10	4.1	0.39	2.57	0.8	7.2
A00307410	<2	0.5	0.35	0.27	0.07	3.5	0.37	2.43	1.3	6.2
A00307411	<2	0.5	0.34	0.27	0.09	3.7	0.42	2.33	1.8	6.1
A00307412	<2	0.5	0.31	0.33	0.08	3.6	0.41	2.31	1.2	7.4
A00307413	<2	0.5	0.30	0.27	0.13	3.7	0.41	2.21	1.6	6.0

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307414	<2	1.4	0.27	0.50	0.07	2.2	0.26	0.81	22.2	14.3
A00307415	<2	0.6	0.31	0.29	0.10	3.8	0.35	2.65	2.3	6.5
A00307416	<2	0.6	0.33	0.31	0.12	3.9	0.35	2.42	2.0	7.2
A00307417	<2	0.5	0.30	0.28	0.07	3.8	0.38	2.50	2.1	6.3
A00307418	<2	0.5	0.32	0.26	0.43	4.1	0.42	2.41	2.9	6.1
A00307419	<2	0.5	0.28	0.26	0.38	3.7	0.48	2.07	3.6	6.0
A00307420	<2	3.3	0.41	0.66	<0.05	2.7	0.44	1.25	2.5	17.7
A00307421	<2	3.2	0.37	0.64	<0.05	2.3	0.50	1.31	4.3	16.8
A00307422	<2	3.8	0.41	0.63	<0.05	2.1	0.43	1.49	4.0	17.8
A00307423	<2	3.8	0.39	0.66	<0.05	2.3	0.46	1.58	4.8	18.2
A00307424	<2	4.2	0.35	0.66	<0.05	1.9	0.52	1.64	4.3	18.4
A00307425	<2	3.8	0.34	0.69	<0.05	1.8	0.62	1.46	3.9	19.0
A00307426	<2	4.8	0.32	0.66	0.05	2.1	0.72	1.66	22.5	18.4
A00307427	<2	1.0	0.32	0.17	<0.05	5.4	1.01	2.13	8.3	5.8
A00307428	<2	4.0	0.28	0.68	0.05	1.9	0.82	2.36	25.9	18.2
A00307429	<2	0.8	0.20	0.19	<0.05	2.1	0.26	0.94	0.2	4.5
A00307430	3	4.4	0.21	0.77	0.12	1.5	0.75	2.51	35.1	20.7
A00307431	2	5.2	0.36	0.61	0.09	2.3	0.70	1.70	21.6	15.9
A00307432	5	6.4	0.29	0.61	0.23	2.2	0.95	3.08	16.7	16.9
A00307433	<2	4.2	0.35	0.65	<0.05	2.0	0.57	1.66	7.2	18.4
A00307434	<2	4.8	0.36	0.68	0.05	2.2	0.41	1.49	19.9	19.4
A00307435	<2	3.1	0.39	0.68	<0.05	2.5	0.31	1.29	7.7	19.0
A00307436	<2	2.7	0.37	0.38	0.12	5.2	0.47	0.93	0.6	10.4
A00307437	<2	3.7	0.39	0.66	<0.05	2.2	0.30	1.33	27.7	18.5
A00307438	<2	3.3	0.39	0.67	<0.05	2.1	0.35	1.03	4.1	18.9
A00307439	<2	3.9	0.40	0.67	<0.05	2.4	0.55	1.30	4.5	19.0
A00307440	<2	4.1	0.40	0.69	<0.05	2.4	0.56	1.30	3.8	19.1
A00307441	<2	4.8	0.38	0.66	<0.05	2.5	0.56	1.25	4.4	18.0
A00307442	<2	4.9	0.38	0.67	<0.05	2.2	0.66	1.20	4.5	18.8
A00307443	<2	4.4	0.43	0.69	<0.05	3.0	0.70	1.14	5.5	19.7
A00307444	<2	4.1	0.43	0.56	<0.05	3.0	0.61	1.38	2.7	15.4
*Rep A00307391	<2	0.8	0.39	0.46	0.09	5.5	0.51	2.18	1.0	14.4
*Rep A00307412	<2	0.5	0.30	0.30	0.08	3.5	0.38	2.24	1.2	7.0
*Std CH-4	2	1.1	0.28	0.44	0.40	2.6	0.44	0.82	3.2	11.3
*Std CH-4	<2	0.9	0.26	0.37	0.41	2.5	0.36	0.71	2.7	9.8
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307371	0.7
A00307372	0.6
A00307373	0.9
A00307374	0.8
A00307375	0.8
A00307376	1.9
A00307377	0.5
A00307378	0.8
A00307379	0.7
A00307380	0.9
A00307381	2.2
A00307382	1.1
A00307383	1.6
A00307384	0.7
A00307385	1.3
A00307386	0.7
A00307387	0.6
A00307388	0.7
A00307389	0.4
A00307390	1.1
A00307391	1.7
A00307392	1.6
A00307393	0.8
A00307394	0.6
A00307395	0.6
A00307396	1.0
A00307397	0.5
A00307398	0.7
A00307399	0.6
A00307400	0.6
A00307401	0.5
A00307402	0.5
A00307403	0.5
A00307404	0.5
A00307405	0.6
A00307406	0.7
A00307407	0.4
A00307408	0.7
A00307409	0.7
A00307410	0.6
A00307411	0.5
A00307412	0.7
A00307413	0.5

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307414	1.4
A00307415	0.6
A00307416	0.6
A00307417	0.6
A00307418	0.6
A00307419	0.5
A00307420	1.7
A00307421	1.6
A00307422	1.7
A00307423	1.7
A00307424	1.8
A00307425	1.9
A00307426	1.8
A00307427	0.7
A00307428	1.7
A00307429	0.5
A00307430	1.9
A00307431	1.6
A00307432	1.8
A00307433	1.9
A00307434	1.9
A00307435	1.9
A00307436	1.0
A00307437	1.8
A00307438	1.7
A00307439	1.8
A00307440	1.8
A00307441	1.8
A00307442	1.7
A00307443	1.8
A00307444	1.6
*Rep A00307391	1.7
*Rep A00307412	0.6
*Std CH-4	1.2
*Std CH-4	1.0
*BIK BLANK	<0.1

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Certificate of Analysis

Work Order: VC122545

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 23, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE014-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 24, 2012
Report Comprises : Pages 1 to 14
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Comments:

Sample A00309825 was destroyed during preparation stage.

Certified By :

Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309797	3.825	<5	8.73	840	3.67	50	194	5.70	1.80	28
A00309798	2.465	<5	6.50	727	2.02	45	32.4	3.98	1.34	28
A00309799	4.495	<5	6.59	1470	7.41	148	113	6.87	2.79	25
A00309800	0.100	282	6.55	1590	2.02	18	1810	3.72	1.82	11
A00309801	4.385	<5	7.04	1040	6.16	133	137	6.38	2.27	24
A00309802	4.740	<5	7.91	976	4.17	65	170	5.63	2.96	17
A00309803	4.385	<5	6.68	455	4.31	153	73.5	5.28	1.33	31
A00309804	5.025	<5	6.84	438	4.76	171	72.2	5.50	1.33	32
A00309805	4.390	<5	6.26	410	6.10	225	86.4	6.00	1.29	27
A00309806	4.330	<5	6.18	348	6.66	232	76.5	6.06	1.53	24
A00309807	5.105	<5	5.23	305	6.69	176	62.2	4.51	1.64	13
A00309808	2.970	<5	7.12	696	2.67	37	50.1	4.06	1.42	29
A00309809	3.970	<5	7.47	1020	4.51	137	36.0	4.81	0.94	37
A00309810	4.180	<5	8.46	771	4.04	52	82.2	5.16	1.96	99
A00309811	3.430	<5	7.69	756	3.46	19	29.1	4.34	2.01	68
A00309812	2.945	94	8.77	1310	2.07	42	256	6.82	1.64	29
A00309813	0.100	370	6.56	1580	2.05	16	1770	3.80	1.74	10
A00309814	4.230	<5	9.97	1070	4.06	43	329	7.59	1.59	34
A00309815	4.485	<5	8.17	677	5.72	38	311	6.48	1.33	30
A00309816	3.665	<5	7.75	862	5.33	32	126	4.83	0.90	24
A00309817	5.265	<5	8.69	805	3.75	47	81.9	4.89	1.66	44
A00309818	4.555	<5	6.32	835	4.12	42	118	3.52	1.51	22
A00309819	4.770	<5	6.44	1050	5.39	37	136	3.43	1.52	19
A00309820	2.365	<5	4.13	1010	0.93	10	2.7	1.31	1.95	8
A00309821	4.125	8	6.73	981	5.41	30	147	3.61	1.31	23
A00309822	3.105	<5	7.46	1090	3.16	33	27.6	2.82	2.35	17
A00309823	3.990	<5	6.28	1030	1.49	40	34.7	2.65	2.06	24
A00309824	2.665	<5	7.50	1110	2.82	17	16.8	2.24	1.94	17
A00309825	3.130	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309826	2.385	<5	8.45	1270	3.08	30	41.2	2.60	2.73	16
A00309827	2.830	<5	6.00	974	2.20	22	19.5	1.93	1.98	12
A00309828 Partial	3.260	<5	6.77	696	3.30	21	36.9	3.33	1.51	20
A00309829	2.315	<5	6.59	884	1.90	12	11.1	2.68	1.45	12
A00309830	1.930	<5	6.11	986	1.57	8	5.4	2.49	1.28	12
A00309831	1.055	<5	7.65	837	3.29	9	11.3	2.17	1.05	14
A00309832	1.955	<5	6.62	975	1.54	10	16.6	2.57	1.36	13
A00309833	0.100	303	6.78	1600	2.05	16	1760	3.71	1.86	10
A00309834	1.945	<5	7.61	1050	2.27	10	14.1	1.92	1.28	13
A00309835	2.360	<5	3.64	518	0.96	4	6.0	1.10	0.56	6
A00309836	3.055	<5	7.11	673	1.87	45	46.8	4.30	1.31	35
A00309837	3.115	<5	6.71	557	2.25	30	42.2	4.14	1.42	24
A00309838	4.125	<5	6.08	261	1.13	6	30.6	2.25	1.27	20
A00309839	2.005	<5	4.48	1090	0.90	10	6.8	1.41	1.80	7

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309840	4.165	<5	5.06	335	1.05	4	16.9	3.64	1.37	28
A00309841	4.615	<5	6.53	359	3.10	10	19.9	3.49	1.55	24
A00309842	2.975	<5	7.17	672	2.83	39	38.6	4.08	1.34	31
A00309843	3.265	<5	6.67	534	4.96	12	20.3	3.28	1.26	28
A00309844	2.555	<5	6.38	538	5.21	14	19.2	3.27	1.58	27
A00309845	3.725	<5	7.07	722	3.28	10	11.9	2.35	1.34	28
A00309846	4.310	<5	6.32	653	3.71	7	9.4	2.35	1.38	25
A00309847	3.565	<5	5.91	562	5.80	9	10.8	3.03	1.42	26
A00309848	3.695	<5	7.00	745	3.21	37	54.4	4.13	1.25	21
A00309849	3.605	<5	7.24	839	3.20	25	26.9	3.66	1.27	20
A00309850	2.135	<5	4.47	2210	0.65	9	3.5	1.27	2.23	5
A00309851	3.885	<5	6.98	829	2.80	28	27.8	3.51	1.33	27
A00309852	1.930	<5	7.05	942	1.84	12	22.8	2.78	1.52	12
A00309853	2.165	<5	6.96	871	1.87	15	17.7	2.30	1.53	10
A00309854	4.180	<5	6.97	815	2.75	32	44.4	3.75	1.30	24
A00309855	0.100	300	6.53	1510	1.99	16	1690	3.65	1.83	10
A00309856	4.115	<5	6.99	1140	2.62	23	35.5	3.25	1.54	14
A00309857	3.290	<5	7.61	1070	4.07	19	25.7	3.30	1.76	10
A00309858	3.315	<5	7.51	1020	3.76	19	29.1	3.31	1.71	10
A00309859	1.115	<5	4.48	1110	0.84	8	1.8	1.18	1.37	5
A00309860	3.125	<5	6.57	897	3.15	29	49.7	3.90	1.29	23
A00309861	2.555	<5	7.56	1020	3.15	25	34.7	3.84	1.66	12
A00309862	2.635	<5	7.40	1010	3.30	30	67.6	3.24	1.54	10
A00309863	3.495	<5	7.64	1150	3.53	25	35.2	3.29	1.59	11
A00309864	3.555	<5	7.44	1050	3.10	27	38.3	3.88	1.37	14
A00309865	4.305	<5	7.16	808	3.19	34	41.0	4.10	1.27	26
A00309866	3.225	<5	7.17	878	2.99	28	37.1	3.52	1.36	20
A00309867	3.975	<5	7.18	918	2.93	26	34.5	3.33	1.34	21
A00309868	3.425	17	7.42	1100	2.99	21	44.0	3.08	1.49	15
A00309869	3.825	<5	7.72	1280	2.96	24	32.8	3.21	1.55	13
A00309870	2.955	<5	7.56	1140	2.79	31	30.9	2.50	1.66	12
*Dup A00309870	N.A.	<5	7.54	1130	2.81	29	29.3	2.56	1.57	12
*Rep A00309812			8.62	1270	2.03	41	246	6.64	1.46	28
*Rep A00309852			7.08	969	1.84	12	13.7	2.78	1.55	12
*Std CH-4			6.88	449	1.69	83	1930	4.71	1.62	15
*Std CH-4			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Blk BLANK			0.06	2	0.01	<1	<0.5	0.01	<0.01	<1
*Blk BLANK			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep A00309800		289								
*Rep A00309869		<5								
*Std AMIS0258		3530								
*Std AMIS0286		691								
*Std AMIS0217		1400								

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Element	Au
Method	FAA313
Det.Lim.	5
Units	ppb
*BIK BLANK	<5

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309797	2.50	1350	2.81	27.7	2710	0.19	829	0.65	222	109
A00309798	1.02	1040	2.06	27.5	840	0.06	299	0.35	113	120
A00309799	4.24	1810	0.66	46.9	2310	0.03	891	0.50	296	81
A00309800	0.64	671	2.68	14.3	760	0.28	684	0.19	74	92
A00309801	3.51	1590	1.39	45.8	2640	0.15	830	0.49	273	85
A00309802	2.51	1280	2.47	30.3	2910	0.24	827	0.52	249	101
A00309803	3.56	1110	1.60	75.8	740	0.02	293	0.30	172	71
A00309804	3.76	1100	1.61	82.4	800	0.01	299	0.30	188	68
A00309805	4.61	1290	1.21	92.6	770	0.02	287	0.29	215	57
A00309806	3.86	1220	1.05	94.8	730	0.02	268	0.29	208	58
A00309807	3.47	1110	0.72	70.4	580	0.03	299	0.22	173	50
A00309808	1.10	1020	2.20	21.2	940	0.10	355	0.38	115	86
A00309809	2.86	1620	1.87	88.4	1160	0.09	348	0.46	159	203
A00309810	2.25	1560	1.62	32.8	960	0.03	286	0.42	198	156
A00309811	1.54	1140	1.60	14.2	960	0.04	267	0.34	160	105
A00309812	2.66	1400	1.16	21.3	1990	0.02	263	0.77	242	81
A00309813	0.66	680	2.66	13.2	710	0.27	687	0.21	71	80
A00309814	3.12	1450	1.25	22.5	2690	0.03	303	0.88	297	86
A00309815	2.91	1280	0.90	18.4	1970	0.03	256	0.73	219	75
A00309816	2.18	974	2.02	27.8	1120	0.10	420	0.41	174	89
A00309817	1.51	1260	2.38	28.3	1220	0.16	447	0.48	158	108
A00309818	1.36	861	1.46	35.9	1120	0.04	319	0.31	192	130
A00309819	1.55	972	1.60	30.9	1540	0.02	309	0.29	191	108
A00309820	0.28	303	3.85	4.5	290	<0.01	588	0.12	33	37
A00309821	1.55	926	1.95	25.7	1780	0.03	284	0.33	190	98
A00309822	0.96	624	2.28	26.0	960	0.31	919	0.35	102	81
A00309823	0.85	400	1.76	53.5	550	0.55	560	0.32	91	130
A00309824	0.75	389	2.44	23.6	700	0.31	1050	0.29	73	58
A00309825	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309826	0.83	376	2.75	27.6	1000	0.17	1090	0.39	106	74
A00309827	0.63	334	2.07	19.0	740	0.10	799	0.27	70	51
A00309828 Partial	0.93	1060	2.01	21.2	820	0.24	433	0.29	96	97
A00309829	0.64	264	1.85	7.2	400	0.03	643	0.28	62	55
A00309830	0.67	191	1.87	4.8	420	<0.01	668	0.28	57	54
A00309831	0.59	688	2.49	5.9	790	0.01	950	0.25	53	57
A00309832	0.75	165	1.89	4.7	280	0.01	694	0.26	46	64
A00309833	0.65	688	2.63	13.9	720	0.26	685	0.20	70	75
A00309834	0.55	144	2.46	5.7	370	0.03	1080	0.28	62	57
A00309835	0.29	212	1.04	3.5	260	0.02	454	0.13	28	35
A00309836	0.91	1210	1.79	31.6	820	0.10	339	0.40	106	90
A00309837	0.89	852	1.49	19.8	950	0.04	264	0.38	110	94
A00309838	0.45	541	2.75	5.1	860	0.02	188	0.25	36	63
A00309839	0.30	310	3.87	6.3	320	<0.01	598	0.12	32	35

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309840	0.44	941	3.25	6.3	1440	0.01	137	0.36	101	82
A00309841	0.62	1510	0.96	6.6	720	0.12	279	0.31	67	73
A00309842	1.23	949	1.71	28.2	830	0.17	410	0.36	112	89
A00309843	0.85	1130	0.62	9.0	590	0.36	319	0.32	77	75
A00309844	0.83	1180	0.66	8.5	560	0.34	324	0.30	73	67
A00309845	0.65	738	1.58	7.5	630	0.11	298	0.23	48	56
A00309846	0.50	888	1.00	4.5	660	0.35	276	0.24	31	69
A00309847	0.66	1180	0.43	5.1	690	0.44	370	0.26	42	69
A00309848	1.40	1030	2.43	28.2	950	0.16	470	0.38	118	106
A00309849	1.06	904	2.37	19.7	820	0.11	604	0.34	101	71
A00309850	0.29	310	3.57	4.9	240	<0.01	549	0.13	30	42
A00309851	1.14	845	2.43	23.1	880	0.16	524	0.34	109	69
A00309852	0.60	271	2.34	7.9	530	0.02	781	0.28	55	61
A00309853	0.49	193	2.35	7.3	340	0.02	767	0.27	65	55
A00309854	1.15	971	2.17	23.2	800	0.14	436	0.36	117	89
A00309855	0.64	685	2.63	12.8	660	0.27	669	0.19	67	84
A00309856	0.93	672	2.44	17.7	1180	0.06	855	0.35	110	68
A00309857	1.61	868	2.41	23.4	1080	0.03	1010	0.35	100	66
A00309858	1.30	807	2.63	17.3	1140	0.05	1000	0.36	92	60
A00309859	0.22	273	3.93	4.3	340	<0.01	488	0.13	33	33
A00309860	1.16	968	2.26	20.6	810	0.17	417	0.35	113	81
A00309861	1.13	783	2.37	24.9	1200	0.03	974	0.41	116	69
A00309862	1.43	628	2.29	25.8	1190	0.04	1050	0.40	113	72
A00309863	1.54	674	2.33	24.4	1200	0.02	1080	0.40	116	65
A00309864	1.37	771	2.36	29.3	1240	0.04	990	0.41	116	71
A00309865	1.23	1020	2.16	23.3	950	0.16	469	0.37	117	83
A00309866	1.15	749	2.25	22.7	990	0.08	684	0.35	104	68
A00309867	1.16	737	2.26	23.4	1000	0.06	690	0.36	108	71
A00309868	1.15	590	2.46	33.8	1080	0.05	943	0.36	98	58
A00309869	1.31	577	2.35	31.4	1090	0.09	1090	0.38	109	66
A00309870	0.99	451	2.68	22.8	890	0.09	1010	0.36	102	64
*Dup A00309870	1.00	455	2.71	23.0	860	0.08	1030	0.36	99	60
*Rep A00309812	2.59	1350	1.15	22.7	2060	0.02	258	0.75	248	81
*Rep A00309852	0.61	281	2.33	8.1	540	0.02	778	0.28	63	63
*Std CH-4	1.29	446	3.12	45.5	570	0.61	208	0.27	84	191
*Std CH-4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Bik BLANK	<0.01	4	<0.01	<0.5	<50	<0.01	1.2	<0.01	<2	2
*Bik BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00309797	55.4	0.40	11	1.6	0.11	0.21	37.6	24.1	<5	20.3
A00309798	65.9	0.24	19	1.1	0.10	0.34	26.5	16.7	<5	15.9
A00309799	47.3	0.16	5	1.1	<0.04	0.16	27.3	35.5	<5	15.9
A00309800	13.1	0.71	4	1.4	0.32	0.25	25.2	8.7	<5	19.7
A00309801	50.9	0.24	35	1.5	0.27	0.16	29.4	37.8	<5	18.1
A00309802	57.3	0.44	12	2.0	0.09	0.20	36.0	28.9	<5	19.6
A00309803	40.4	0.11	16	0.7	0.06	0.17	11.9	35.4	7	14.4
A00309804	39.0	0.09	16	0.6	0.04	0.17	10.7	37.0	8	14.9
A00309805	23.2	0.07	18	0.6	<0.04	0.12	4.92	41.3	9	13.1
A00309806	18.0	0.05	10	0.7	<0.04	0.12	4.68	41.6	10	13.3
A00309807	17.6	0.05	10	0.6	<0.04	0.15	3.78	30.4	9	11.3
A00309808	63.4	0.19	17	1.3	0.12	0.43	24.9	16.7	6	16.6
A00309809	72.2	0.15	12	1.1	0.06	0.54	24.0	29.1	13	16.0
A00309810	34.5	0.27	7	1.0	<0.04	0.12	16.3	26.9	24	19.1
A00309811	31.1	0.10	7	0.9	<0.04	0.08	15.8	18.7	17	17.9
A00309812	102	0.15	8	1.0	<0.04	0.06	31.2	25.5	10	20.8
A00309813	12.1	0.87	3	1.6	0.33	0.23	25.0	9.5	<5	20.6
A00309814	129	0.19	5	1.4	<0.04	0.03	34.3	30.5	19	25.7
A00309815	97.1	0.16	3	1.2	<0.04	0.04	27.8	26.9	13	21.8
A00309816	53.0	0.23	45	0.8	0.05	0.67	15.1	25.3	5	17.3
A00309817	79.9	0.21	21	1.4	0.11	0.58	31.6	21.2	8	20.3
A00309818	50.2	0.61	10	1.2	0.09	1.04	21.7	15.1	10	14.7
A00309819	50.8	0.69	10	1.2	0.06	1.50	20.6	14.1	13	14.2
A00309820	12.1	<0.02	1	2.5	<0.04	0.04	8.91	4.2	<5	22.6
A00309821	48.9	1.51	16	1.1	0.05	0.99	21.8	15.1	10	14.1
A00309822	86.2	0.08	13	1.6	0.08	0.21	40.5	17.5	<5	20.4
A00309823	82.6	0.10	22	1.3	0.15	0.30	34.8	35.7	<5	16.4
A00309824	72.9	0.08	33	1.6	0.10	0.14	28.9	18.1	<5	21.3
A00309825	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309826	104	0.09	16	2.0	0.10	0.18	43.8	19.3	<5	24.6
A00309827	81.1	0.05	11	1.5	0.05	0.12	34.0	14.2	<5	18.2
A00309828 Partial	75.5	0.09	12	1.2	0.09	0.62	26.4	14.1	<5	15.7
A00309829	67.5	0.07	3	1.6	0.16	0.09	27.0	7.5	<5	18.6
A00309830	50.2	0.07	2	1.9	0.25	0.05	28.0	7.0	<5	19.8
A00309831	60.4	0.08	2	2.1	0.16	0.10	27.8	7.0	<5	22.3
A00309832	66.0	0.08	3	1.9	0.23	0.05	29.4	6.9	<5	21.5
A00309833	11.5	0.67	4	1.7	0.32	0.25	24.8	9.5	<5	20.4
A00309834	54.3	0.08	3	2.3	0.17	0.11	24.7	6.9	<5	24.8
A00309835	20.6	0.04	2	1.1	0.07	0.06	13.7	4.5	<5	10.0
A00309836	75.4	0.10	21	1.0	0.21	0.31	33.6	16.8	<5	17.4
A00309837	86.1	0.08	12	1.0	0.10	0.25	27.8	14.6	<5	16.8
A00309838	114	0.03	7	0.9	0.08	0.22	23.8	9.2	<5	14.8
A00309839	12.7	<0.02	2	1.9	0.06	0.02	10.5	4.0	<5	20.9

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Element Method Det.Lim. Units	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
	0.5 ppm	0.02 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm	0.05 ppm	0.1 ppm	5 ppm	0.1 ppm
A00309840	109	0.05	5	0.9	0.07	0.16	13.8	11.9	<5	17.6
A00309841	96.3	0.04	9	1.0	0.07	0.29	27.2	8.5	<5	15.4
A00309842	84.6	0.09	11	1.1	0.10	0.28	30.0	16.1	<5	18.2
A00309843	99.2	0.05	8	1.3	0.07	0.13	26.2	10.8	5	15.0
A00309844	92.9	0.05	8	1.1	0.06	0.13	24.1	10.2	<5	14.5
A00309845	138	<0.02	4	1.1	0.05	0.11	37.2	6.2	<5	16.3
A00309846	118	0.03	6	1.2	0.11	0.20	32.9	4.9	<5	14.0
A00309847	114	0.03	6	1.0	0.07	0.12	26.7	5.7	<5	12.5
A00309848	79.6	0.09	8	0.9	0.27	0.37	30.5	17.4	<5	15.9
A00309849	73.9	0.09	9	1.2	0.10	0.23	31.7	12.7	<5	17.2
A00309850	11.1	<0.02	2	1.7	<0.04	0.02	9.44	3.8	<5	20.4
A00309851	74.1	0.08	8	1.2	0.08	0.21	30.3	14.1	<5	17.2
A00309852	56.9	0.08	3	1.5	0.18	0.08	33.4	7.0	<5	20.1
A00309853	63.1	0.08	3	1.6	0.21	0.06	29.7	5.7	<5	21.3
A00309854	66.2	0.11	12	1.1	0.16	0.28	28.6	14.3	<5	16.7
A00309855	11.9	0.70	3	1.3	0.38	0.20	26.1	8.7	<5	18.8
A00309856	87.9	0.06	7	1.4	0.07	0.15	40.5	11.9	<5	19.2
A00309857	106	0.05	4	1.4	0.06	0.09	44.2	17.5	<5	19.8
A00309858	92.9	0.06	12	1.4	0.05	0.09	46.3	12.6	<5	20.4
A00309859	13.1	<0.02	2	2.1	<0.04	0.02	9.01	3.5	<5	21.5
A00309860	71.6	0.08	16	1.0	0.19	0.35	27.3	17.8	<5	15.5
A00309861	112	0.05	3	1.5	0.08	0.14	47.3	15.7	<5	20.1
A00309862	115	0.06	2	1.5	0.08	0.09	49.7	15.9	<5	21.4
A00309863	119	0.06	1	1.6	0.07	0.10	50.8	14.5	<5	20.9
A00309864	118	0.05	4	1.6	0.08	0.08	49.7	17.5	<5	20.9
A00309865	80.4	0.13	12	1.1	0.12	0.35	30.1	16.1	<5	17.5
A00309866	86.5	0.08	6	1.2	0.07	0.21	36.4	14.7	<5	18.3
A00309867	85.2	0.06	6	1.3	0.08	0.21	36.2	14.5	<5	18.4
A00309868	94.2	0.06	4	1.4	0.08	0.12	41.0	13.3	<5	20.0
A00309869	94.2	0.06	3	1.4	0.08	0.10	47.2	18.1	<5	20.1
A00309870	82.2	0.06	3	1.3	0.14	0.10	48.0	12.2	<5	19.9
*Dup A00309870	81.4	0.07	4	1.4	0.13	0.10	46.4	12.2	<5	20.6
*Rep A00309812	96.6	0.19	8	1.4	<0.04	0.07	30.5	28.5	11	22.5
*Rep A00309852	59.4	0.09	3	1.6	0.19	0.07	33.8	7.3	<5	20.5
*Std CH-4	110	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Std CH-4	N.A.	2.24	9	0.8	0.53	1.12	29.3	25.2	<5	20.0
*Blk BLANK	<0.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Blk BLANK	N.A.	<0.02	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	0.2

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00309797	1.44	0.07	19.2	0.26	3.42	11.6	9.0	46.7	1.71	16.8
A00309798	2.01	0.06	14.2	0.28	3.33	7.0	13.4	43.7	2.17	17.2
A00309799	1.52	0.07	13.7	0.28	2.31	3.9	9.1	70.5	0.83	32.9
A00309800	0.43	0.08	14.7	0.18	143	7.4	18.1	55.8	0.67	6.3
A00309801	1.56	0.07	15.1	0.30	2.92	5.5	9.2	60.1	13.5	34.0
A00309802	1.57	0.07	18.5	0.28	3.60	8.3	9.9	78.7	3.26	22.1
A00309803	1.25	0.05	6.5	0.34	1.68	2.7	7.2	43.8	4.86	30.3
A00309804	1.20	0.05	5.9	0.33	2.05	2.5	6.7	45.0	5.38	33.0
A00309805	0.83	0.05	3.0	0.29	1.59	1.0	4.2	48.4	8.57	41.2
A00309806	0.67	0.05	2.8	0.34	3.13	0.9	4.7	52.5	8.86	41.1
A00309807	0.62	0.04	2.5	0.29	2.42	0.8	3.9	61.3	17.0	30.6
A00309808	2.02	0.05	13.4	0.33	4.38	6.8	14.8	48.9	3.47	16.6
A00309809	1.92	0.08	12.2	0.36	2.42	5.9	7.7	47.8	2.70	22.7
A00309810	1.13	0.07	8.2	0.23	2.00	2.7	8.5	91.8	6.30	28.3
A00309811	1.06	0.05	7.9	0.30	2.50	2.7	10.0	83.8	6.17	19.9
A00309812	2.95	0.06	16.0	0.79	3.49	9.6	6.0	46.6	1.54	20.2
A00309813	0.45	0.09	14.5	0.29	163	7.6	17.6	51.0	0.61	7.2
A00309814	3.70	0.07	17.0	0.48	3.32	11.7	8.4	61.7	1.49	27.0
A00309815	2.65	0.06	14.1	0.34	3.16	9.4	7.1	60.3	1.20	21.5
A00309816	1.56	0.05	8.6	0.43	3.56	4.6	4.1	29.8	0.83	19.5
A00309817	2.48	0.07	16.6	0.56	4.09	8.3	14.9	56.0	3.40	21.4
A00309818	1.52	0.05	13.0	0.88	3.01	5.1	8.1	58.2	2.39	15.5
A00309819	1.45	0.05	12.2	0.33	4.42	4.7	6.5	60.8	2.12	13.8
A00309820	0.72	0.02	4.9	0.17	2.41	3.7	11.7	21.7	0.41	2.0
A00309821	1.52	0.04	12.7	0.45	3.91	4.6	14.9	54.1	2.83	13.9
A00309822	2.78	0.05	21.1	0.25	6.41	8.0	12.4	52.1	0.92	12.2
A00309823	2.17	0.04	19.3	0.28	8.64	6.7	10.8	52.1	1.04	10.4
A00309824	2.12	0.04	15.6	0.18	9.43	6.4	12.6	42.7	0.47	8.8
A00309825	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309826	3.40	0.05	21.8	0.29	4.13	9.3	12.6	56.7	0.54	12.0
A00309827	2.33	0.04	17.9	0.21	2.94	6.6	9.4	49.1	0.41	9.2
A00309828 Partial	2.29	0.05	13.9	0.35	6.02	5.2	10.9	40.9	1.09	14.3
A00309829	2.21	0.03	15.1	0.20	1.40	6.1	12.1	43.1	0.57	8.2
A00309830	1.87	0.04	15.8	0.14	2.57	6.3	14.4	44.6	0.53	6.6
A00309831	1.95	0.03	15.5	0.17	3.02	5.8	13.5	36.8	0.61	6.6
A00309832	2.23	0.04	16.2	0.16	2.55	6.8	18.3	50.7	0.58	6.9
A00309833	0.44	0.09	14.3	0.19	155	7.5	17.4	56.0	0.63	7.4
A00309834	1.91	0.04	13.7	0.15	4.61	6.7	17.0	41.7	0.69	6.6
A00309835	0.72	<0.02	7.8	0.07	1.34	2.6	8.3	18.8	0.32	3.1
A00309836	2.12	0.06	17.5	0.29	3.10	6.8	12.9	43.8	1.54	14.5
A00309837	2.45	0.07	14.9	0.37	3.16	5.6	10.5	42.3	0.97	16.4
A00309838	3.27	0.06	12.6	0.39	2.62	6.6	6.8	26.4	0.25	8.9
A00309839	0.68	<0.02	5.7	0.07	2.75	3.6	9.9	22.4	0.47	1.7

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00309840	3.13	0.07	6.7	0.29	1.54	7.4	5.4	9.4	0.22	8.9
A00309841	2.83	0.07	15.3	0.47	2.99	4.6	7.3	44.7	0.60	14.5
A00309842	2.43	0.06	16.1	0.31	4.03	6.4	11.2	44.5	1.23	15.2
A00309843	2.95	0.06	14.5	0.47	3.66	4.6	10.6	43.0	0.61	15.1
A00309844	2.64	0.06	13.7	0.42	3.33	4.5	9.3	48.8	0.62	14.0
A00309845	3.80	0.04	20.6	0.39	3.50	7.9	5.4	35.8	0.37	7.7
A00309846	3.33	0.06	18.7	0.46	2.89	6.3	7.1	43.4	0.50	8.8
A00309847	3.47	0.06	15.9	0.56	2.15	4.3	6.8	44.8	0.51	12.7
A00309848	2.16	0.06	16.3	0.28	2.36	6.1	10.0	36.4	0.76	14.3
A00309849	2.12	0.05	17.4	0.25	1.88	6.9	11.2	35.9	1.02	12.0
A00309850	0.60	0.02	5.2	0.07	2.39	3.7	8.9	32.7	0.45	2.0
A00309851	2.13	0.05	16.6	0.26	2.26	6.7	10.3	39.4	0.85	12.9
A00309852	1.86	0.04	19.2	0.17	1.69	6.2	16.0	44.2	0.55	6.2
A00309853	2.09	0.04	16.6	0.17	2.35	6.4	17.5	39.3	0.60	7.1
A00309854	1.99	0.05	15.5	0.27	2.90	6.1	11.8	43.7	1.30	14.0
A00309855	0.42	0.08	15.5	0.16	149	7.0	16.5	53.2	0.58	6.0
A00309856	2.50	0.05	21.9	0.23	2.82	8.5	9.6	38.6	0.67	11.8
A00309857	2.65	0.05	23.2	0.23	2.04	9.3	9.5	44.7	0.42	10.5
A00309858	2.70	0.05	24.5	0.23	3.55	9.3	9.0	47.6	0.54	10.2
A00309859	0.75	0.02	5.1	0.07	1.54	3.7	9.5	14.9	0.49	1.7
A00309860	2.07	0.05	15.0	0.29	2.97	5.5	9.1	48.1	1.32	14.4
A00309861	3.29	0.05	24.4	0.26	2.93	9.5	11.3	40.1	0.40	12.4
A00309862	3.47	0.05	25.5	0.25	5.57	9.9	9.7	36.4	0.26	11.6
A00309863	3.47	0.05	26.3	0.24	2.92	9.9	8.9	36.1	0.23	11.5
A00309864	3.45	0.05	26.1	0.24	3.52	10.0	9.6	32.1	0.30	11.7
A00309865	2.31	0.06	16.1	0.31	7.75	6.3	11.2	39.9	1.16	15.2
A00309866	2.63	0.05	19.6	0.24	3.64	7.4	9.8	42.1	0.73	12.2
A00309867	2.62	0.05	19.4	0.25	3.85	7.5	10.2	38.6	0.76	12.8
A00309868	2.92	0.05	21.9	0.22	1.78	8.4	11.0	40.1	0.54	10.9
A00309869	2.92	0.04	24.7	0.22	3.14	8.8	9.8	39.1	0.37	11.4
A00309870	2.20	0.04	24.8	0.18	2.04	8.5	11.5	42.0	0.33	9.1
*Dup A00309870	2.20	0.05	24.3	0.18	3.37	8.6	11.7	40.2	0.34	10.1
*Rep A00309812	3.15	0.06	15.2	0.41	2.68	10.2	6.6	49.5	1.60	24.0
*Rep A00309852	1.89	0.04	19.0	0.17	1.99	6.4	16.3	42.9	0.58	6.9
*Std CH-4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Std CH-4	3.19	0.13	16.1	0.19	2.65	3.9	17.4	59.2	0.73	13.6
*Blk BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Blk BLANK	0.03	<0.02	0.9	0.01	<0.05	<0.1	0.8	4.9	<0.05	0.4

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	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00309797	4	1.3	0.73	0.86	0.08	3.1	0.23	1.19	0.5	21.6
A00309798	<2	0.9	0.46	0.59	<0.05	3.4	0.40	1.53	1.0	17.2
A00309799	<2	1.1	0.24	0.70	<0.05	2.6	0.30	0.92	0.6	17.8
A00309800	<2	2.8	0.37	0.34	0.12	5.0	0.49	0.99	0.5	9.7
A00309801	2	1.2	0.33	0.73	<0.05	3.3	0.31	1.09	1.2	20.0
A00309802	4	1.2	0.50	0.83	0.10	3.8	0.40	1.31	0.7	22.5
A00309803	<2	0.6	0.18	0.41	<0.05	1.5	0.34	0.71	0.8	13.5
A00309804	<2	0.6	0.16	0.42	<0.05	1.2	0.34	0.63	0.8	13.9
A00309805	<2	0.4	0.07	0.38	<0.05	0.5	0.38	0.33	0.6	12.7
A00309806	<2	0.4	0.06	0.36	<0.05	0.6	0.43	0.38	0.6	12.0
A00309807	<2	0.4	0.05	0.30	<0.05	0.7	0.50	0.42	1.0	9.8
A00309808	<2	1.0	0.44	0.59	<0.05	3.6	0.50	1.60	1.2	17.2
A00309809	<2	0.8	0.34	0.65	<0.05	2.2	0.38	1.00	0.9	20.5
A00309810	<2	0.7	0.15	0.50	<0.05	1.6	0.89	0.63	0.9	14.8
A00309811	<2	0.7	0.17	0.46	<0.05	1.5	0.84	0.76	0.9	12.8
A00309812	<2	1.1	0.63	0.82	<0.05	2.2	0.48	1.19	0.5	21.6
A00309813	<2	2.9	0.37	0.34	0.17	5.2	0.49	0.97	0.5	10.2
A00309814	8	1.3	0.75	0.96	<0.05	2.5	0.58	3.10	0.4	27.0
A00309815	14	1.1	0.59	0.74	<0.05	1.9	0.42	1.80	0.4	21.3
A00309816	5	0.7	0.28	0.51	0.05	1.5	0.23	1.35	0.3	17.2
A00309817	<2	1.1	0.54	0.77	0.06	4.0	0.59	2.07	1.2	22.6
A00309818	2	0.9	0.32	0.62	0.08	2.5	0.63	2.67	0.7	21.1
A00309819	2	0.8	0.28	0.59	0.06	2.2	0.68	2.81	0.5	20.5
A00309820	<2	0.7	0.19	0.14	<0.05	1.7	0.27	0.96	0.1	3.6
A00309821	2	0.8	0.27	0.61	0.06	2.2	0.62	2.74	1.2	20.2
A00309822	<2	0.9	0.52	0.57	<0.05	4.5	0.89	2.84	0.6	16.1
A00309823	<2	1.0	0.44	0.52	<0.05	3.6	1.76	3.19	0.9	13.6
A00309824	<2	0.9	0.41	0.39	<0.05	3.4	1.45	2.23	0.6	10.4
A00309825	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309826	<2	1.1	0.61	0.60	<0.05	4.9	0.74	2.53	1.1	16.0
A00309827	<2	0.8	0.42	0.45	<0.05	3.8	0.51	1.97	0.6	12.7
A00309828 Partial	<2	0.8	0.33	0.63	<0.05	3.1	0.75	2.05	0.7	21.0
A00309829	<2	0.9	0.40	0.39	<0.05	4.2	0.24	1.37	0.6	10.9
A00309830	<2	1.4	0.48	0.37	<0.05	5.5	0.25	1.73	0.8	9.1
A00309831	<2	1.0	0.38	0.37	<0.05	4.2	0.22	1.83	0.7	11.3
A00309832	<2	1.0	0.43	0.39	<0.05	4.9	0.25	1.85	0.8	10.2
A00309833	2	2.9	0.37	0.34	0.16	5.4	0.49	0.97	0.5	10.2
A00309834	<2	1.0	0.40	0.33	<0.05	4.0	0.27	2.65	0.9	8.9
A00309835	<2	0.4	0.17	0.17	<0.05	1.8	0.15	1.28	0.4	4.4
A00309836	<2	1.0	0.43	0.64	<0.05	3.7	0.44	1.78	1.2	17.2
A00309837	<2	1.0	0.37	0.79	0.05	3.0	0.33	1.66	0.9	22.5
A00309838	<2	1.0	0.42	0.63	<0.05	2.7	0.27	1.29	0.6	20.0
A00309839	<2	0.8	0.18	0.14	<0.05	1.8	0.23	0.79	0.2	3.4

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309840	<2	1.1	0.46	0.50	<0.05	1.7	0.22	1.07	0.5	13.7
A00309841	<2	1.0	0.29	0.82	<0.05	3.1	0.41	1.71	0.7	25.9
A00309842	<2	1.1	0.41	0.66	<0.05	3.5	0.43	1.65	1.0	18.5
A00309843	<2	1.0	0.29	0.74	<0.05	3.2	0.38	1.54	0.7	23.9
A00309844	<2	0.9	0.28	0.70	<0.05	3.0	0.35	1.38	0.7	22.8
A00309845	<2	0.9	0.53	0.68	<0.05	4.9	0.29	1.83	0.7	21.0
A00309846	<2	1.1	0.40	0.78	<0.05	4.2	0.38	2.04	0.7	25.8
A00309847	<2	1.0	0.27	0.88	<0.05	3.5	0.32	1.76	0.5	30.2
A00309848	<2	0.9	0.37	0.63	<0.05	2.9	0.39	1.43	0.6	17.8
A00309849	<2	0.9	0.43	0.58	<0.05	3.6	0.31	1.64	0.7	15.9
A00309850	<2	0.8	0.19	0.14	<0.05	1.4	0.32	0.48	0.2	3.3
A00309851	<2	0.8	0.43	0.58	<0.05	3.4	0.39	1.60	0.6	16.5
A00309852	<2	0.9	0.41	0.42	<0.05	4.7	0.26	1.61	0.8	10.7
A00309853	<2	1.0	0.42	0.39	<0.05	4.8	0.23	1.62	0.9	10.3
A00309854	<2	0.9	0.40	0.59	<0.05	3.5	0.41	1.70	1.1	16.5
A00309855	<2	2.7	0.35	0.35	0.16	5.0	0.47	0.96	0.6	9.5
A00309856	<2	0.9	0.55	0.57	<0.05	4.3	0.25	1.77	0.8	14.5
A00309857	<2	1.0	0.62	0.55	<0.05	4.6	0.21	2.33	0.6	14.1
A00309858	<2	1.0	0.62	0.57	<0.05	4.8	0.28	2.04	0.7	14.3
A00309859	<2	0.8	0.19	0.13	<0.05	1.6	0.23	0.70	0.2	3.1
A00309860	<2	0.9	0.35	0.63	<0.05	3.1	0.33	1.59	0.7	18.1
A00309861	<2	1.1	0.62	0.61	<0.05	4.8	0.14	1.37	0.7	15.6
A00309862	<2	1.1	0.64	0.60	<0.05	5.0	0.09	1.51	0.6	14.7
A00309863	<2	1.2	0.65	0.61	<0.05	5.1	0.08	1.78	0.6	15.1
A00309864	<2	1.1	0.66	0.63	<0.05	5.0	0.09	1.97	0.6	16.1
A00309865	<2	1.0	0.40	0.66	0.06	3.4	0.36	1.74	0.8	18.3
A00309866	<2	0.9	0.48	0.57	<0.05	4.0	0.23	1.70	0.7	15.0
A00309867	<2	0.9	0.48	0.58	<0.05	3.9	0.25	1.71	0.7	15.4
A00309868	<2	1.0	0.62	0.54	<0.05	4.4	0.12	1.74	0.6	13.8
A00309869	<2	1.0	0.56	0.55	<0.05	4.6	0.20	1.97	0.5	13.5
A00309870	<2	1.0	0.54	0.50	0.07	4.9	0.29	2.32	0.7	11.8
*Dup A00309870	<2	1.0	0.55	0.52	0.09	5.0	0.27	2.40	0.6	12.0
*Rep A00309812	<2	1.1	0.64	0.84	<0.05	2.4	0.49	1.24	0.5	23.2
*Rep A00309852	<2	0.9	0.42	0.43	0.06	4.8	0.26	1.67	0.7	10.8
*Std CH-4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Std CH-4	2	1.1	0.28	0.40	0.44	2.5	0.40	0.78	2.9	10.6
*Bik BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Bik BLANK	<2	<0.3	<0.05	<0.05	<0.05	0.4	<0.02	0.07	<0.1	0.4

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309797	1.8
A00309798	1.7
A00309799	1.5
A00309800	0.9
A00309801	1.7
A00309802	1.8
A00309803	1.3
A00309804	1.4
A00309805	1.2
A00309806	1.1
A00309807	0.9
A00309808	1.7
A00309809	2.0
A00309810	1.4
A00309811	1.1
A00309812	2.0
A00309813	1.0
A00309814	2.5
A00309815	2.0
A00309816	1.6
A00309817	2.2
A00309818	1.9
A00309819	1.8
A00309820	0.4
A00309821	1.8
A00309822	1.5
A00309823	1.4
A00309824	0.9
A00309825	N.A.
A00309826	1.6
A00309827	1.2
A00309828 Partial	2.1
A00309829	1.0
A00309830	0.8
A00309831	1.0
A00309832	0.9
A00309833	1.0
A00309834	0.8
A00309835	0.4
A00309836	1.8
A00309837	2.3
A00309838	2.3
A00309839	0.4

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309840	1.7
A00309841	2.8
A00309842	1.9
A00309843	2.8
A00309844	2.6
A00309845	2.3
A00309846	2.9
A00309847	3.4
A00309848	1.7
A00309849	1.6
A00309850	0.4
A00309851	1.6
A00309852	1.0
A00309853	1.0
A00309854	1.7
A00309855	0.9
A00309856	1.4
A00309857	1.4
A00309858	1.4
A00309859	0.4
A00309860	1.9
A00309861	1.5
A00309862	1.4
A00309863	1.5
A00309864	1.5
A00309865	1.9
A00309866	1.5
A00309867	1.5
A00309868	1.3
A00309869	1.3
A00309870	1.1
*Dup A00309870	1.2
*Rep A00309812	2.2
*Rep A00309852	1.1
*Std CH-4	N.A.
*Std CH-4	1.1
*Bik BLANK	N.A.
*Bik BLANK	<0.1

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Certificate of Analysis

Work Order: VC122546

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 20, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE015-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 24, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307445	7.020	47	7.60	348	2.00	12	839	4.71	3.56	10
A00307446	6.950	18	8.43	197	3.29	18	297	4.57	1.99	13
A00307447	4.330	33	5.93	2410	1.40	5	2000	1.25	6.41	11
A00307448	4.755	10	6.00	1560	1.15	3	1130	1.05	6.26	12
A00307449	5.785	329	6.18	1580	2.04	17	1790	4.01	2.52	10
A00307450	0.105	6	6.00	1520	1.46	4	905	1.22	5.77	16
A00307451	5.755	<5	6.89	449	2.04	15	80.2	4.89	3.15	12
A00307452	6.565	201	6.95	335	2.48	14	1840	4.44	2.18	9
A00307453	7.215	28	8.43	253	3.14	15	309	4.84	1.75	11
A00307454	0.715	8	8.44	371	3.41	22	42.3	4.94	1.76	10
A00307455	3.375	15	8.48	331	3.58	22	165	5.34	1.85	12
A00307456	6.955	82	8.44	351	3.19	19	430	5.47	2.92	11
A00307457	6.120	180	8.15	292	3.52	23	537	5.75	2.37	13
A00307458	7.130	232	8.20	340	3.24	20	2440	5.28	2.30	14
A00307459	7.020	31	8.51	246	3.48	17	461	4.78	1.94	11
A00307460	7.040	37	9.02	225	3.73	24	233	5.99	1.80	16
A00307461	7.585	10	8.84	222	3.23	17	152	5.34	1.78	16
A00307462	2.765	<5	5.79	1080	1.06	6	1.1	1.37	2.33	9
A00307463	7.280	12	8.29	252	2.53	17	155	5.34	1.65	16
A00307464	7.175	39	8.72	283	2.65	17	45.5	5.55	1.79	13
A00307465	6.875	8	6.56	198	1.90	10	71.5	4.51	1.63	9
A00307466	7.240	9	7.05	220	2.25	8	103	4.51	1.94	11
A00307467	3.020	8	7.63	520	2.35	10	81.5	4.49	2.49	10
A00307468	3.265	9	7.86	520	2.57	8	96.3	4.96	2.50	10
A00307469	6.880	<5	5.35	339	2.17	5	4.8	3.51	1.51	8
A00307470	5.875	<5	5.40	599	1.89	7	3.0	2.92	2.05	8
A00307471	6.220	<5	6.01	502	2.15	3	<0.5	2.85	1.55	10
A00307472	6.430	23	6.19	1240	1.67	4	521	3.22	2.73	10
A00307473	6.845	<5	5.55	738	2.06	4	20.4	3.36	1.99	6
A00307474	7.130	<5	5.17	488	2.16	4	27.0	3.43	1.54	5
A00307475	6.865	36	4.91	386	2.42	4	290	3.24	1.45	6
A00307476	5.585	19	7.45	150	2.81	6	339	5.38	1.14	15
A00307477	5.230	12	8.96	222	3.44	10	159	7.05	1.48	15
A00307478	0.105	527	6.03	503	2.07	36	5190	3.98	1.00	16
A00307479	3.135	7	5.31	85	1.97	5	36.1	4.19	0.65	6
A00307480	7.105	<5	7.21	378	2.41	6	5.1	4.53	0.99	14
A00307481	7.140	15	6.86	650	2.35	6	<0.5	4.99	1.32	16
*Dup A00307481	N.A.	41	6.82	645	2.39	6	<0.5	5.05	1.34	16
A00307482	3.095	<5	8.51	910	2.33	8	5.3	5.54	1.40	17
A00307483	3.300	<5	6.99	894	2.18	6	<0.5	5.11	1.37	16
A00307484	6.565	<5	8.30	733	2.52	6	3.9	4.97	1.18	22
A00307485	7.050	<5	7.39	1420	2.60	6	7.2	3.93	1.84	11
A00307486	6.650	<5	5.21	713	1.52	7	10.7	2.88	1.31	8

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307487	2.950	<5	4.54	1010	1.00	8	11.5	1.41	2.26	8
A00307488	6.565	<5	7.73	732	2.06	9	2.3	3.29	1.52	10
A00307489	6.970	<5	7.99	1300	2.39	13	<0.5	4.13	1.86	13
A00307490	7.105	22	8.46	288	4.05	20	556	6.70	0.69	12
A00307491	6.445	9	8.56	342	3.66	27	88.4	7.51	0.91	11
A00307492	6.055	<5	9.00	539	3.18	15	7.9	5.58	1.56	13
A00307493	6.590	109	8.45	435	3.85	22	1770	7.44	1.43	11
A00307494	6.785	<5	8.56	797	2.55	11	75.1	4.56	2.25	20
A00307495	2.965	<5	8.26	937	2.01	8	21.6	3.16	2.95	18
A00307496	2.960	<5	8.26	934	1.96	10	9.2	3.19	2.94	17
A00307497	6.570	<5	8.00	955	2.24	8	4.2	3.42	3.15	15
A00307498	6.715	6	8.72	694	2.69	6	23.2	4.67	2.23	12
A00307499	6.810	10	9.12	355	3.78	5	188	4.67	0.99	12
A00307500	6.930	6	8.38	418	3.33	5	170	4.62	1.29	8
A00307501	6.950	20	9.24	546	3.82	4	594	4.53	1.51	10
A00307502	0.105	320	7.68	1580	2.14	17	1820	4.05	2.50	10
A00307503	7.020	43	9.22	741	3.40	5	543	5.26	1.80	10
A00307504	6.655	13	8.44	599	2.84	5	285	5.01	2.26	6
A00307505	7.100	9	9.02	695	3.00	4	121	4.99	2.73	10
A00307506	6.505	68	8.88	749	2.94	5	2140	5.17	3.71	8
A00307507	6.565	41	8.64	589	3.19	4	1760	4.96	2.88	6
A00307508	3.070	<5	5.13	970	1.04	6	6.1	1.50	2.34	8
A00307509	6.980	5	7.93	617	3.01	3	16.3	5.04	1.57	7
A00307510	6.990	<5	8.46	854	3.02	5	9.3	5.21	1.51	7
A00307511	6.860	<5	8.88	342	3.40	3	3.8	4.32	1.21	10
A00307512	6.945	<5	8.61	491	3.49	4	26.7	4.85	1.52	8
A00307513	7.100	<5	8.75	454	3.32	4	18.6	4.58	1.33	7
A00307514	0.105	501	6.16	502	2.12	41	5390	4.10	0.99	15
A00307515	7.170	5	9.20	590	3.83	3	10.8	5.20	1.55	8
A00307516	7.210	<5	9.26	518	3.78	4	90.9	5.75	1.34	9
A00307517	7.120	6	8.88	448	3.38	4	101	5.74	1.58	15
A00307518	3.015	<5	4.42	1140	0.96	8	<0.5	1.29	2.40	8
*Dup A00307518	N.A.	<5	4.67	1100	0.98	7	<0.5	1.38	2.44	7
*Rep A00307456		99								
*Rep A00307492		<5								
*Std AMIS0217		1420								
*Std AMIS0286		677								
*Std AMIS0258		3510								
*Std AMIS0217		1460								
*Bik BLANK		<5								
*Rep A00307475			5.97	433	2.44	4	281	3.25	1.52	6
*Rep A00307492			9.34	578	3.24	16	7.0	5.76	1.61	14
*Std CH-4			6.51	446	1.66	96	1990	5.01	1.89	15

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*Std CH-4	7.26	457	1.73	88	1970	5.08	1.86	14
*Blk BLANK	0.06	2	<0.01	<1	0.6	0.02	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307445	1.59	314	3.11	4.8	700	0.11	169	0.37	141	38
A00307446	1.74	285	3.60	5.1	690	0.04	254	0.42	163	27
A00307447	0.41	172	0.21	3.1	250	0.22	112	0.07	27	17
A00307448	0.41	164	0.14	3.1	260	0.12	87.5	0.07	24	18
A00307449	0.70	681	2.71	14.8	660	0.25	656	0.20	67	71
A00307450	0.50	205	0.14	3.1	280	0.12	98.1	0.09	23	24
A00307451	1.30	290	3.16	4.1	680	0.03	136	0.36	132	41
A00307452	1.54	552	3.81	4.2	690	0.44	181	0.38	139	40
A00307453	1.74	295	3.50	4.7	710	0.20	292	0.40	153	30
A00307454	2.01	456	3.23	6.1	610	0.07	400	0.42	178	43
A00307455	2.14	470	2.95	5.5	620	0.15	366	0.45	185	35
A00307456	1.60	850	2.96	5.3	660	0.45	234	0.41	213	33
A00307457	1.66	659	2.79	6.3	710	0.49	257	0.44	214	45
A00307458	1.57	412	2.99	6.6	530	0.79	315	0.42	187	32
A00307459	1.95	334	3.41	4.5	650	0.37	288	0.45	193	27
A00307460	2.41	461	2.72	7.4	730	0.75	384	0.43	212	37
A00307461	1.96	329	2.94	6.2	650	0.68	518	0.41	164	55
A00307462	0.32	340	3.93	5.1	320	0.02	798	0.12	33	44
A00307463	1.75	293	3.47	4.7	670	0.44	423	0.38	151	33
A00307464	1.93	280	3.44	4.1	750	0.12	402	0.41	176	34
A00307465	1.32	233	4.15	3.6	620	0.24	203	0.33	132	27
A00307466	1.23	269	3.68	2.2	650	0.63	240	0.32	125	28
A00307467	1.14	245	3.14	2.9	650	0.57	258	0.34	111	25
A00307468	1.31	264	3.33	2.0	710	0.58	300	0.36	123	28
A00307469	0.63	217	3.79	1.2	530	0.02	183	0.28	61	21
A00307470	0.57	239	4.00	2.5	530	0.03	157	0.27	55	22
A00307471	0.94	217	4.15	<0.5	540	<0.01	249	0.29	65	21
A00307472	0.90	262	3.69	1.2	560	0.05	258	0.28	58	33
A00307473	0.58	235	3.74	1.7	520	0.01	166	0.26	62	24
A00307474	0.58	233	3.82	1.5	500	<0.01	141	0.24	65	31
A00307475	0.61	274	3.75	1.7	490	0.03	131	0.24	66	28
A00307476	1.25	348	3.70	9.6	750	0.16	136	0.39	143	40
A00307477	2.85	473	3.29	18.1	930	0.05	272	0.60	243	30
A00307478	1.09	700	2.12	26.0	280	0.63	275	0.27	91	57
A00307479	0.33	245	5.18	2.0	500	0.01	97.7	0.23	66	25
A00307480	1.21	318	3.48	2.4	820	0.02	316	0.35	125	45
A00307481	1.38	311	3.94	1.5	900	0.01	419	0.35	118	35
*Dup A00307481	1.36	266	3.94	1.8	850	<0.01	421	0.36	123	32
A00307482	1.54	410	3.78	7.2	900	0.04	510	0.38	141	35
A00307483	1.47	257	3.73	2.1	870	<0.01	487	0.36	145	28
A00307484	1.59	300	3.70	2.8	890	<0.01	435	0.37	146	29
A00307485	0.94	376	3.52	5.3	660	0.03	451	0.32	98	22
A00307486	0.68	202	3.63	3.1	180	<0.01	265	0.19	59	20

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307487	0.31	293	3.98	4.3	320	0.05	699	0.12	33	39
A00307488	1.17	268	2.94	5.2	340	0.02	334	0.29	94	23
A00307489	1.51	243	2.48	6.0	350	0.02	493	0.38	143	15
A00307490	2.15	519	3.16	9.3	540	0.02	462	0.51	242	26
A00307491	2.02	585	3.69	10.2	660	0.05	376	0.53	235	26
A00307492	1.93	310	2.93	5.5	940	0.04	477	0.52	196	19
A00307493	1.32	354	3.00	6.9	760	0.30	581	0.57	211	19
A00307494	1.35	284	2.36	5.7	330	0.01	292	0.31	114	22
A00307495	1.64	236	2.21	3.9	300	0.02	268	0.33	116	15
A00307496	1.59	271	2.21	5.3	190	0.03	265	0.34	119	23
A00307497	1.35	241	1.76	4.5	190	0.03	189	0.29	103	20
A00307498	1.40	336	3.12	3.7	630	<0.01	336	0.40	207	23
A00307499	1.80	551	4.05	3.1	1000	0.05	503	0.46	191	31
A00307500	1.58	463	4.03	1.8	840	0.03	423	0.41	184	30
A00307501	1.88	451	3.54	3.0	950	0.04	482	0.42	193	26
A00307502	0.71	681	2.72	14.1	680	0.27	706	0.20	68	68
A00307503	1.78	445	3.80	2.5	940	0.05	442	0.46	193	29
A00307504	1.37	468	4.21	2.7	890	0.05	276	0.39	171	25
A00307505	1.70	448	3.57	2.5	860	0.05	318	0.42	164	33
A00307506	1.81	385	2.96	2.1	890	0.20	256	0.41	184	27
A00307507	1.22	302	3.34	2.7	920	0.21	298	0.42	189	22
A00307508	0.32	322	4.02	5.1	340	0.02	692	0.13	32	41
A00307509	1.46	370	4.39	2.6	980	<0.01	423	0.40	171	26
A00307510	1.61	536	4.19	2.7	1070	0.01	513	0.39	188	27
A00307511	1.92	443	4.41	2.2	980	<0.01	456	0.42	177	28
A00307512	1.62	414	4.40	2.0	970	0.02	497	0.43	182	21
A00307513	1.65	402	4.65	1.6	870	0.10	483	0.41	176	24
A00307514	1.12	658	2.13	27.0	280	0.60	284	0.27	98	44
A00307515	1.83	514	3.89	2.0	900	0.10	546	0.49	197	28
A00307516	1.89	517	4.42	1.2	990	0.12	588	0.50	209	26
A00307517	1.87	464	4.11	2.0	990	0.20	492	0.45	193	29
A00307518	0.29	289	3.79	5.0	320	0.02	627	0.12	33	35
*Dup A00307518	0.32	283	3.92	5.2	320	<0.01	615	0.13	31	33
*Rep A00307475	0.66	306	3.70	2.2	540	0.04	152	0.25	65	33
*Rep A00307492	2.00	358	3.03	5.0	910	0.06	486	0.53	196	23
*Std CH-4	1.35	431	3.11	47.0	510	0.63	196	0.26	77	180

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*Std CH-4	1.34	446	3.09	47.2	530	0.62	206	0.26	80	178
*Blk BLANK	<0.01	4	<0.01	<0.5	<50	<0.01	1.1	<0.01	<2	2

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307445	64.5	0.28	5	1.1	0.10	0.10	23.4	10.5	7	21.0
A00307446	48.3	0.14	5	0.9	0.06	0.07	33.0	18.1	13	21.8
A00307447	43.7	0.78	106	0.5	0.11	0.12	11.7	5.5	6	15.0
A00307448	45.5	0.48	79	0.6	0.06	0.11	16.5	4.6	8	17.3
A00307449	12.3	0.70	3	1.1	0.31	0.28	25.6	8.4	<5	19.3
A00307450	47.6	0.27	71	0.7	0.06	0.06	17.4	5.5	9	17.4
A00307451	63.8	0.05	7	1.0	0.05	<0.02	36.0	13.7	8	21.0
A00307452	63.1	1.20	46	1.0	0.15	0.09	28.6	38.2	8	20.0
A00307453	63.1	0.17	8	0.9	0.08	0.07	32.3	47.1	8	20.6
A00307454	57.7	0.09	7	0.8	0.05	0.07	31.5	19.9	10	18.6
A00307455	62.6	0.16	19	0.8	0.06	0.08	32.0	25.2	11	20.2
A00307456	54.1	1.68	181	0.9	0.06	0.13	28.5	15.4	16	20.2
A00307457	59.2	0.77	155	1.0	0.06	0.15	34.2	15.2	16	19.0
A00307458	53.8	7.67	104	0.8	0.16	0.17	33.7	18.6	12	18.7
A00307459	50.5	0.22	5	0.8	0.15	0.05	32.5	33.3	6	19.9
A00307460	69.6	0.21	4	0.9	0.21	0.11	30.4	45.5	10	21.9
A00307461	51.5	0.14	5	0.9	0.16	0.07	33.4	23.9	18	20.6
A00307462	13.5	<0.02	2	1.8	<0.04	<0.02	17.0	3.8	<5	22.7
A00307463	60.0	0.15	5	0.9	0.15	0.05	34.0	25.1	10	21.2
A00307464	55.6	0.07	4	0.9	0.06	0.03	32.8	12.4	6	21.0
A00307465	60.6	0.09	4	0.9	0.08	<0.02	23.1	18.9	<5	19.8
A00307466	55.5	0.13	9	1.1	0.17	0.06	25.4	17.0	7	20.6
A00307467	50.8	0.17	4	1.0	0.26	0.06	28.5	10.6	7	20.9
A00307468	49.1	0.15	4	1.1	0.25	0.05	30.7	12.4	7	22.6
A00307469	64.8	0.03	4	0.9	0.06	<0.02	23.8	3.7	6	18.5
A00307470	65.1	0.04	6	0.9	0.06	0.04	22.4	3.4	<5	19.1
A00307471	76.2	0.03	3	1.0	<0.04	<0.02	22.7	5.2	6	20.0
A00307472	65.8	0.30	4	1.1	0.09	0.19	26.9	8.3	7	19.8
A00307473	68.5	0.09	3	1.0	0.04	0.07	21.3	6.0	<5	19.1
A00307474	66.1	0.08	2	1.1	0.09	0.03	19.8	8.4	<5	19.3
A00307475	56.5	0.26	3	1.0	0.06	0.03	17.1	8.5	<5	20.3
A00307476	33.0	0.27	33	0.9	0.10	0.05	26.8	18.7	12	19.8
A00307477	68.4	0.12	5	1.2	0.13	0.02	25.4	26.0	16	21.5
A00307478	38.8	1.10	6	0.7	0.13	0.43	20.8	14.1	<5	13.9
A00307479	50.8	0.46	10	0.9	0.12	0.05	15.4	5.5	<5	17.9
A00307480	46.3	0.04	13	1.2	0.05	0.06	25.8	12.3	8	19.7
A00307481	52.6	0.05	7	1.2	0.06	0.04	29.0	11.9	10	21.1
*Dup A00307481	57.4	0.05	7	1.1	0.04	0.03	28.6	11.6	10	20.0
A00307482	57.1	0.05	6	1.2	0.07	0.05	34.8	11.1	8	21.1
A00307483	51.2	0.03	6	1.1	0.04	0.03	26.6	10.9	8	20.0
A00307484	49.5	0.02	6	1.3	0.05	0.07	29.4	12.3	11	21.1
A00307485	49.8	0.04	5	1.2	0.06	0.04	32.0	9.0	6	20.5
A00307486	39.6	0.04	3	1.1	<0.04	0.02	18.6	7.7	<5	18.3

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307487	12.8	0.04	2	1.9	0.15	0.04	12.6	4.1	<5	22.9
A00307488	39.8	<0.02	3	1.2	<0.04	0.03	28.7	10.6	6	18.6
A00307489	32.6	<0.02	4	1.1	<0.04	<0.02	35.0	15.3	7	21.3
A00307490	54.9	0.37	6	0.8	0.07	0.07	22.3	18.1	<5	20.8
A00307491	60.2	0.08	4	0.7	0.08	0.03	29.2	16.8	<5	19.5
A00307492	43.1	0.03	5	1.0	0.04	<0.02	32.5	16.1	8	21.7
A00307493	71.3	0.28	7	0.9	0.11	0.11	27.0	14.4	9	20.3
A00307494	32.5	0.03	4	1.1	<0.04	0.04	30.1	11.7	9	20.7
A00307495	40.5	0.07	8	1.4	<0.04	0.03	31.7	10.8	9	21.5
A00307496	40.8	0.05	7	1.1	<0.04	0.04	25.0	9.9	7	20.3
A00307497	35.9	0.02	4	1.1	<0.04	0.04	27.8	9.3	9	21.6
A00307498	30.0	0.05	3	0.9	0.04	0.04	27.2	11.5	6	22.7
A00307499	41.3	0.10	8	1.0	0.08	0.07	28.1	11.7	<5	23.7
A00307500	30.8	0.19	13	0.9	0.09	0.05	22.7	10.6	<5	22.5
A00307501	55.8	0.29	7	1.0	0.10	0.10	27.6	11.3	<5	22.2
A00307502	12.7	0.70	4	1.3	0.32	0.23	31.2	8.9	<5	20.4
A00307503	50.2	0.17	6	1.0	0.08	0.06	25.7	12.4	<5	23.3
A00307504	32.1	0.10	4	0.9	0.05	0.05	22.8	10.4	<5	20.6
A00307505	39.4	0.11	3	1.0	0.05	0.04	29.9	12.8	<5	23.1
A00307506	34.8	1.17	2	0.9	0.12	0.03	38.0	14.2	<5	22.6
A00307507	30.3	0.50	3	0.9	0.28	0.13	26.7	11.1	<5	22.0
A00307508	15.9	0.02	3	2.2	0.05	0.05	12.8	4.5	<5	24.2
A00307509	33.5	0.06	5	1.0	0.05	0.03	19.9	10.0	<5	21.8
A00307510	35.8	0.06	6	0.9	0.05	0.05	22.6	11.4	<5	22.3
A00307511	38.3	0.04	6	1.0	0.04	0.03	23.6	10.6	<5	22.0
A00307512	38.6	0.12	5	1.1	0.06	0.06	23.2	9.5	<5	22.9
A00307513	32.6	0.09	4	1.0	0.05	0.06	21.0	9.7	7	21.8
A00307514	37.5	1.19	6	0.8	0.13	0.43	20.2	15.4	<5	14.2
A00307515	33.7	0.09	6	0.8	0.06	0.06	22.2	10.9	6	22.4
A00307516	32.1	0.18	9	0.8	0.06	0.08	21.3	12.9	9	22.5
A00307517	35.5	0.09	8	1.0	0.05	0.09	22.1	10.7	13	22.1
A00307518	12.6	0.02	1	1.8	<0.04	<0.02	12.1	3.8	<5	22.4
*Dup A00307518	12.1	<0.02	2	2.1	<0.04	<0.02	12.1	4.0	<5	23.0
*Rep A00307475	60.2	0.22	3	1.1	0.07	0.07	22.5	8.8	5	20.4
*Rep A00307492	NVL	0.03	5	1.0	0.04	0.03	33.2	16.1	8	22.0
*Std CH-4	111	2.19	9	0.7	0.43	1.18	27.8	23.6	<5	19.2

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	111	2.21	9	0.8	0.50	1.17	32.5	25.6	<5	20.4
*Blk BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.17	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B ppm	In ICM40B ppm	La ICM40B ppm	Lu ICM40B ppm	Mo ICM40B ppm	Nb ICM40B ppm	Pb ICM40B ppm	Rb ICM40B ppm	Sb ICM40B ppm	Sc ICM40B ppm
A00307445	1.80	0.13	10.5	0.22	1.73	5.9	11.4	97.8	0.88	14.9
A00307446	1.51	0.09	15.6	0.23	5.78	5.5	9.7	92.0	0.57	21.5
A00307447	1.52	0.12	5.6	0.10	49.7	4.7	10.0	110	31.8	1.5
A00307448	1.68	0.07	8.6	0.12	7.21	4.2	9.8	121	17.2	1.6
A00307449	0.43	0.09	13.7	0.15	159	7.7	18.5	67.1	0.63	5.6
A00307450	1.75	0.05	8.9	0.14	13.8	5.3	6.6	116	8.63	2.0
A00307451	1.77	0.05	19.7	0.20	2.71	6.0	8.6	95.5	2.18	13.5
A00307452	1.77	0.27	17.0	0.18	13.3	6.4	8.5	72.7	14.1	14.3
A00307453	1.82	0.14	15.5	0.22	3.70	6.7	9.1	79.0	0.81	17.8
A00307454	1.67	0.11	14.9	0.22	0.87	5.9	7.4	81.6	1.80	21.9
A00307455	1.65	0.14	15.3	0.23	2.15	5.5	27.6	94.7	2.26	21.6
A00307456	1.64	0.14	13.4	0.23	2.30	5.6	14.2	112	10.7	21.3
A00307457	1.68	0.16	16.6	0.26	8.49	4.9	11.5	98.3	6.68	23.6
A00307458	1.69	0.35	15.4	0.24	18.4	6.5	20.3	98.8	7.96	21.3
A00307459	1.56	0.14	15.1	0.25	4.71	5.6	7.3	83.1	1.22	21.8
A00307460	1.72	0.09	14.4	0.24	3.00	5.7	9.6	109	0.65	23.3
A00307461	1.54	0.07	16.8	0.21	4.30	6.1	9.5	102	0.65	19.8
A00307462	0.72	<0.02	8.4	0.09	1.48	3.8	16.9	34.3	0.53	2.1
A00307463	1.73	0.05	15.7	0.24	2.24	6.7	8.3	80.6	0.61	16.4
A00307464	1.59	0.04	15.3	0.26	2.39	6.3	7.9	90.5	0.51	18.4
A00307465	1.74	0.04	10.7	0.19	4.91	6.7	6.8	51.7	0.46	10.5
A00307466	1.59	0.06	12.5	0.19	1.14	6.6	7.5	64.8	0.79	10.4
A00307467	1.48	0.11	13.9	0.21	3.13	7.0	7.8	81.0	0.48	10.8
A00307468	1.46	0.12	14.8	0.21	0.91	7.3	8.2	87.4	0.52	11.7
A00307469	1.73	0.11	11.4	0.17	0.84	7.9	6.7	33.9	0.79	4.7
A00307470	1.78	0.09	10.6	0.17	2.50	8.3	13.0	29.7	0.84	4.4
A00307471	1.75	0.06	10.9	0.18	0.70	7.8	7.0	25.6	0.66	4.7
A00307472	1.78	0.09	13.7	0.19	5.15	8.0	10.3	51.1	0.75	5.2
A00307473	1.83	0.03	10.1	0.17	4.39	7.5	7.3	30.3	0.59	4.5
A00307474	1.73	0.03	9.2	0.21	2.86	6.3	7.5	23.3	1.16	4.1
A00307475	1.59	0.06	7.9	0.18	2.35	6.5	7.3	20.3	0.98	4.1
A00307476	0.94	0.10	13.2	0.21	5.94	8.1	9.5	45.7	1.90	14.6
A00307477	1.14	0.18	11.9	0.30	6.86	8.8	7.6	87.9	1.23	27.0
A00307478	1.16	0.09	10.3	0.23	348	4.4	10.3	36.6	1.47	13.1
A00307479	1.37	0.05	6.9	0.17	1.05	6.7	7.5	8.5	1.06	3.9
A00307480	1.31	0.04	12.7	0.17	2.28	6.9	11.1	31.9	4.34	10.8
A00307481	1.55	0.04	14.1	0.20	1.37	7.9	8.8	35.0	1.14	10.0
*Dup A00307481	1.46	0.03	13.7	0.21	1.51	7.4	8.2	27.5	1.09	9.3
A00307482	1.58	0.04	17.0	0.21	2.29	7.7	10.0	48.6	0.78	12.9
A00307483	1.47	0.03	12.7	0.20	1.52	7.3	8.0	32.3	0.71	11.5
A00307484	1.40	0.04	14.3	0.23	1.85	7.0	9.2	33.7	0.69	12.9
A00307485	1.54	0.03	16.4	0.24	7.39	7.4	8.2	50.7	0.96	9.8
A00307486	1.41	0.02	9.1	0.21	0.40	3.2	5.3	27.1	0.12	6.9

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Element Method Det.Lim. Units	Hf ICM40B ppm	In ICM40B ppm	La ICM40B ppm	Lu ICM40B ppm	Mo ICM40B ppm	Nb ICM40B ppm	Pb ICM40B ppm	Rb ICM40B ppm	Sb ICM40B ppm	Sc ICM40B ppm
A00307487	0.70	0.03	5.6	0.10	1.51	3.7	15.1	27.8	0.40	2.1
A00307488	1.27	0.03	14.4	0.30	1.47	6.7	5.6	59.4	0.57	13.9
A00307489	1.01	0.02	15.6	0.29	0.35	5.4	5.5	79.7	0.51	21.5
A00307490	1.36	0.16	10.9	0.30	7.90	4.1	8.3	32.4	1.02	29.1
A00307491	1.32	0.14	14.4	0.30	7.49	4.2	7.4	40.1	0.84	28.9
A00307492	1.01	0.05	15.3	0.31	0.89	5.8	6.9	81.6	0.56	25.1
A00307493	1.55	0.17	11.9	0.35	5.67	5.2	7.9	56.7	0.75	26.9
A00307494	0.96	0.02	14.6	0.26	10.2	6.0	7.5	81.7	0.32	15.4
A00307495	1.27	0.02	14.9	0.28	1.41	5.6	7.2	106	0.33	19.0
A00307496	1.17	0.03	12.4	0.26	0.58	5.6	8.6	98.4	0.33	16.9
A00307497	1.06	0.02	12.7	0.28	5.00	5.7	7.0	112	0.37	17.9
A00307498	1.00	0.04	13.0	0.29	6.73	4.3	9.2	78.0	0.49	19.2
A00307499	1.41	0.09	14.2	0.30	15.6	3.7	8.8	40.0	0.70	21.7
A00307500	1.28	0.09	11.4	0.34	23.4	3.5	9.2	33.0	0.64	17.3
A00307501	1.39	0.12	14.1	0.35	27.1	3.3	9.4	40.6	0.60	15.5
A00307502	0.45	0.09	16.7	0.19	160	7.7	19.7	71.6	0.61	7.0
A00307503	1.37	0.12	12.2	0.30	13.4	3.8	8.6	43.7	0.59	18.1
A00307504	1.23	0.08	10.5	0.26	16.7	3.5	7.0	50.2	0.74	14.1
A00307505	1.36	0.07	15.3	0.29	16.2	3.5	6.5	73.0	0.72	16.2
A00307506	1.28	0.15	22.1	0.27	23.8	3.2	6.5	95.7	0.60	15.1
A00307507	1.17	0.13	13.3	0.24	27.7	3.5	7.5	75.8	1.92	16.3
A00307508	0.98	0.03	5.7	0.10	1.55	6.6	16.0	34.5	0.48	2.4
A00307509	1.32	0.07	8.9	0.26	4.44	3.6	9.3	27.0	1.01	15.7
A00307510	1.33	0.08	10.4	0.25	4.25	4.0	8.6	33.5	0.74	17.1
A00307511	1.39	0.07	10.3	0.26	4.56	3.6	10.4	34.0	0.81	15.3
A00307512	1.50	0.09	10.6	0.27	146	3.8	9.3	34.0	0.74	17.7
A00307513	1.33	0.08	9.8	0.31	111	3.4	7.6	31.6	0.62	17.6
A00307514	1.22	0.10	9.9	0.26	358	4.5	11.3	28.0	1.47	15.2
A00307515	1.31	0.10	10.7	0.27	60.7	3.7	8.3	43.7	0.69	20.1
A00307516	1.32	0.09	9.9	0.27	33.5	3.1	9.0	33.0	0.68	18.0
A00307517	1.38	0.08	10.3	0.30	154	3.7	8.2	43.3	0.78	18.3
A00307518	0.72	0.02	5.6	0.09	1.09	3.8	14.0	26.5	0.43	1.8
*Dup A00307518	0.71	0.02	5.5	0.11	0.64	3.8	14.3	24.4	0.46	2.0
*Rep A00307475	1.67	0.05	11.1	0.19	1.96	7.2	8.9	33.5	1.05	4.7
*Rep A00307492	1.17	0.05	15.8	0.31	0.78	6.0	7.1	81.4	0.61	25.7
*Std CH-4	3.29	0.13	14.6	0.17	3.15	4.4	18.9	82.0	0.80	12.0

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	3.36	0.14	16.5	0.22	2.53	4.3	19.1	80.0	0.78	13.7
*Blk BLANK	<0.02	<0.02	0.1	0.03	<0.05	<0.1	3.6	0.3	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307445	<2	4.8	0.52	0.54	0.06	2.5	0.76	1.47	3.8	15.2
A00307446	<2	2.9	0.41	0.68	<0.05	2.2	0.72	1.23	7.7	19.1
A00307447	<2	1.5	0.44	0.15	0.07	4.0	1.02	1.94	5.3	4.3
A00307448	<2	0.9	0.36	0.17	<0.05	4.5	1.25	2.76	4.7	5.1
A00307449	<2	2.9	0.37	0.32	0.13	4.2	0.48	0.80	0.6	9.5
A00307450	<2	1.0	0.46	0.22	<0.05	5.0	1.27	3.56	4.2	6.4
A00307451	<2	4.1	0.43	0.49	<0.05	2.2	0.86	1.24	15.7	12.6
A00307452	3	2.9	0.44	0.43	<0.05	1.9	0.87	0.56	4.1	11.5
A00307453	<2	2.2	0.47	0.60	<0.05	2.5	0.66	1.19	4.1	17.4
A00307454	<2	1.9	0.39	0.60	<0.05	2.2	0.63	1.07	3.7	17.1
A00307455	<2	2.0	0.37	0.59	<0.05	2.2	0.71	1.08	4.1	17.0
A00307456	<2	4.0	0.39	0.59	<0.05	2.2	0.99	1.17	6.3	16.1
A00307457	<2	4.7	0.35	0.61	<0.05	2.2	0.85	1.34	7.0	17.7
A00307458	2	3.8	0.46	0.63	0.06	2.3	0.77	1.20	7.0	17.6
A00307459	<2	3.2	0.38	0.63	<0.05	2.2	0.66	1.17	4.1	18.9
A00307460	<2	1.4	0.39	0.62	<0.05	2.4	0.81	1.13	5.4	18.1
A00307461	<2	1.3	0.41	0.60	<0.05	2.5	0.76	1.07	3.3	17.0
A00307462	<2	0.7	0.19	0.17	<0.05	2.6	0.25	0.99	0.2	4.5
A00307463	<2	1.6	0.46	0.61	<0.05	2.7	0.67	1.23	6.8	17.8
A00307464	<2	1.4	0.43	0.68	<0.05	2.4	0.72	1.09	5.6	19.5
A00307465	<2	1.5	0.47	0.48	<0.05	2.1	0.67	0.61	6.3	12.9
A00307466	<2	1.3	0.45	0.49	<0.05	2.2	0.76	0.54	5.0	14.1
A00307467	<2	1.6	0.50	0.55	<0.05	2.6	0.78	0.84	20.8	14.9
A00307468	<2	1.5	0.52	0.56	<0.05	2.6	0.78	0.80	5.9	16.3
A00307469	<2	1.4	0.55	0.42	<0.05	2.5	0.48	0.56	4.4	11.9
A00307470	<2	1.3	0.58	0.38	<0.05	2.5	0.52	0.60	7.4	10.9
A00307471	<2	1.3	0.52	0.41	<0.05	2.2	0.46	0.51	5.6	12.2
A00307472	<2	1.4	0.56	0.47	<0.05	2.6	0.59	0.68	6.2	13.9
A00307473	<2	1.4	0.49	0.40	<0.05	2.2	0.51	0.68	10.5	12.4
A00307474	<2	1.3	0.44	0.40	<0.05	2.1	0.54	0.59	5.6	13.0
A00307475	<2	1.4	0.46	0.36	<0.05	1.9	0.62	0.51	8.7	11.1
A00307476	<2	1.5	0.51	0.55	<0.05	1.7	0.64	0.42	18.7	16.0
A00307477	<2	1.3	0.51	0.70	<0.05	1.0	0.91	0.53	11.7	21.9
A00307478	<2	1.4	0.27	0.48	<0.05	2.2	0.27	0.86	22.5	15.3
A00307479	<2	1.4	0.46	0.31	<0.05	1.9	0.35	0.63	5.7	9.6
A00307480	<2	1.0	0.46	0.46	<0.05	2.0	0.55	0.53	9.5	13.0
A00307481	<2	1.2	0.52	0.56	<0.05	2.1	0.69	0.52	9.4	15.6
*Dup A00307481	<2	1.2	0.47	0.55	<0.05	1.9	0.65	0.51	7.5	15.3
A00307482	<2	1.4	0.52	0.61	<0.05	2.9	0.69	0.98	9.0	17.8
A00307483	<2	1.3	0.49	0.53	<0.05	1.9	0.65	0.55	6.4	14.7
A00307484	<2	1.5	0.48	0.58	<0.05	2.5	0.56	0.90	5.8	15.8
A00307485	<2	1.8	0.52	0.53	<0.05	2.8	0.68	0.90	14.5	16.5
A00307486	<2	0.5	0.17	0.37	<0.05	2.5	0.47	0.80	0.2	11.0

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307487	<2	0.8	0.18	0.15	<0.05	1.6	0.26	0.86	0.2	3.7
A00307488	<2	1.3	0.49	0.63	<0.05	3.7	0.65	1.12	1.6	19.0
A00307489	<2	1.0	0.38	0.70	<0.05	3.1	0.74	0.92	2.4	20.6
A00307490	<2	2.2	0.26	0.58	<0.05	1.9	0.31	1.16	4.6	18.5
A00307491	<2	3.0	0.28	0.69	<0.05	2.8	0.42	1.28	6.8	18.7
A00307492	<2	1.4	0.36	0.75	<0.05	2.3	0.79	0.85	3.8	21.1
A00307493	<2	3.7	0.34	0.71	0.07	2.4	0.54	1.34	2.7	20.5
A00307494	<2	1.1	0.38	0.63	<0.05	3.4	0.77	0.82	1.3	17.0
A00307495	<2	1.1	0.39	0.64	<0.05	4.5	0.99	1.13	3.1	18.3
A00307496	<2	1.1	0.40	0.56	<0.05	4.3	0.99	1.07	3.6	15.7
A00307497	<2	0.9	0.34	0.59	<0.05	3.7	1.00	0.86	2.2	18.1
A00307498	<2	1.6	0.28	0.61	<0.05	1.9	0.68	0.71	4.1	17.6
A00307499	<2	3.6	0.23	0.66	<0.05	1.7	0.37	1.05	5.3	19.3
A00307500	<2	3.3	0.22	0.67	<0.05	1.4	0.30	0.79	3.5	20.4
A00307501	<2	3.6	0.21	0.64	<0.05	1.3	0.35	1.12	5.6	18.2
A00307502	<2	3.1	0.37	0.36	0.13	5.5	0.48	1.01	0.7	10.8
A00307503	<2	3.3	0.22	0.62	<0.05	1.4	0.37	1.04	23.4	18.8
A00307504	<2	4.0	0.22	0.54	<0.05	1.3	0.45	0.94	15.4	14.7
A00307505	<2	4.3	0.22	0.59	<0.05	1.6	0.54	1.20	10.7	17.4
A00307506	<2	4.1	0.20	0.62	0.08	1.3	0.70	1.34	15.6	17.7
A00307507	<2	3.9	0.22	0.58	0.19	1.5	0.57	1.05	31.3	16.8
A00307508	<2	0.8	0.46	0.15	<0.05	2.0	0.28	1.05	0.3	4.0
A00307509	<2	3.0	0.22	0.52	<0.05	1.1	0.33	0.62	1.7	15.4
A00307510	<2	2.4	0.24	0.54	<0.05	1.4	0.34	0.79	1.5	15.6
A00307511	<2	3.4	0.24	0.53	<0.05	1.2	0.34	0.94	12.2	15.0
A00307512	<2	3.0	0.23	0.56	<0.05	1.3	0.34	0.82	4.1	16.5
A00307513	<2	1.8	0.21	0.54	<0.05	1.2	0.34	0.69	8.3	15.6
A00307514	<2	1.6	0.29	0.51	0.08	2.2	0.26	0.92	24.0	15.9
A00307515	<2	1.2	0.23	0.57	<0.05	1.4	0.38	0.88	3.5	17.1
A00307516	<2	1.2	0.18	0.57	<0.05	1.1	0.32	0.77	3.9	16.3
A00307517	<2	1.8	0.23	0.58	<0.05	1.4	0.42	0.96	3.4	17.5
A00307518	<2	0.8	0.21	0.15	<0.05	1.8	0.28	0.90	0.2	3.4
*Dup A00307518	<2	0.8	0.19	0.14	<0.05	1.5	0.25	0.84	0.2	3.5
*Rep A00307475	<2	1.4	0.50	0.41	<0.05	2.3	0.62	0.58	8.6	12.4
*Rep A00307492	<2	1.4	0.38	0.74	<0.05	2.5	0.82	0.87	3.9	21.3
*Std CH-4	2	1.0	0.31	0.38	0.35	2.4	0.44	0.74	3.8	9.9

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	2	1.1	0.31	0.42	0.37	2.6	0.45	0.81	3.1	11.3
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307445	1.5
A00307446	1.7
A00307447	0.6
A00307448	0.7
A00307449	0.9
A00307450	0.8
A00307451	1.3
A00307452	1.2
A00307453	1.6
A00307454	1.6
A00307455	1.6
A00307456	1.6
A00307457	1.8
A00307458	1.7
A00307459	1.8
A00307460	1.7
A00307461	1.5
A00307462	0.5
A00307463	1.6
A00307464	1.8
A00307465	1.4
A00307466	1.3
A00307467	1.4
A00307468	1.5
A00307469	1.2
A00307470	1.1
A00307471	1.2
A00307472	1.3
A00307473	1.2
A00307474	1.3
A00307475	1.2
A00307476	1.4
A00307477	2.0
A00307478	1.5
A00307479	1.1
A00307480	1.2
A00307481	1.5
*Dup A00307481	1.4
A00307482	1.5
A00307483	1.4
A00307484	1.4
A00307485	1.6
A00307486	1.2

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307487	0.4
A00307488	1.8
A00307489	1.9
A00307490	1.8
A00307491	1.8
A00307492	1.9
A00307493	2.0
A00307494	1.6
A00307495	1.7
A00307496	1.5
A00307497	1.6
A00307498	1.5
A00307499	1.9
A00307500	2.1
A00307501	1.9
A00307502	1.0
A00307503	1.8
A00307504	1.5
A00307505	1.7
A00307506	1.7
A00307507	1.6
A00307508	0.5
A00307509	1.5
A00307510	1.5
A00307511	1.5
A00307512	1.6
A00307513	1.5
A00307514	1.6
A00307515	1.6
A00307516	1.6
A00307517	1.7
A00307518	0.4
*Dup A00307518	0.4
*Rep A00307475	1.2
*Rep A00307492	1.9
*Std CH-4	1.1

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*Std CH-4	1.2
*Blk BLANK	<0.1

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Certificate of Analysis

Work Order: VC122655

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Nov 06, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE-016-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Oct 03, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307519	6.860	9	7.71	708	2.90	11	49.8	4.16	1.91	11
A00307520	6.565	<5	8.14	245	3.00	10	25.5	5.30	1.45	12
A00307521	6.990	<5	7.91	666	3.16	9	28.7	4.85	2.03	11
A00307522	3.330	<5	3.89	780	0.90	12	20.2	1.16	1.96	6
A00307523	6.620	15	7.88	400	3.59	8	440	4.09	1.93	12
A00307524	7.155	19	8.72	465	3.69	10	596	3.99	1.99	14
A00307525	0.105	258	6.39	1450	2.07	23	1830	3.77	2.38	9
A00307526	6.765	7	7.90	272	5.18	12	146	3.52	1.56	23
A00307527	7.415	<5	7.24	651	3.78	10	25.4	3.80	1.78	19
A00307528	6.925	<5	8.64	474	3.82	10	17.9	4.57	1.80	10
A00307529	5.435	46	8.41	374	5.40	10	428	3.91	2.17	27
A00307530	4.150	17	6.33	1180	2.27	7	104	1.13	2.80	15
A00307531	2.140	13	6.62	1120	2.53	8	412	1.61	3.12	11
A00307532	2.215	10	6.58	1240	2.42	7	222	1.40	3.10	10
A00307533	7.060	<5	8.31	271	3.89	9	16.4	4.65	1.37	10
A00307534	7.140	<5	9.06	1150	3.21	13	4.2	4.36	2.36	16
A00307535	6.800	20	8.64	1060	2.77	13	467	4.53	2.67	14
A00307536	6.830	8	7.45	962	3.45	8	274	3.14	2.60	11
A00307537	2.555	<5	4.37	898	1.10	12	6.2	1.37	2.31	8
A00307538	6.900	10	8.18	249	3.05	9	242	3.59	2.21	5
A00307539	6.645	27	6.65	393	2.22	13	484	3.12	2.22	8
A00307540	0.105	536	5.79	501	2.08	41	5220	3.66	0.93	13
A00307541	7.330	38	7.77	764	2.79	9	557	3.68	2.21	8
A00307542	7.375	81	8.16	624	4.03	9	971	3.74	1.62	10
A00307543	4.360	60	7.89	575	3.52	9	719	3.80	1.86	11
A00307544	2.495	53	7.08	1490	2.83	7	1190	1.51	3.70	6
A00307545	7.045	26	6.66	1420	2.41	6	469	1.34	3.06	7
A00307546	2.085	23	6.65	1860	2.45	6	576	1.72	3.56	5
A00307547	2.410	26	6.55	2280	2.50	6	645	1.72	3.80	6
A00307548	2.165	42	8.65	732	4.22	8	1060	4.87	2.45	15
A00307549	7.345	<5	8.54	919	3.63	8	20.5	4.21	1.77	10
A00307550	6.815	6	8.11	836	3.69	9	125	4.42	1.54	9
A00307551	7.225	10	6.69	1060	2.75	8	116	4.25	1.65	10
A00307552	6.925	<5	6.27	1030	1.97	8	61.9	4.06	1.89	8
A00307553	6.725	6	7.14	581	3.13	7	129	4.87	1.47	14
A00307554	7.015	<5	7.29	806	2.99	11	80.6	4.01	1.57	13
A00307555	0.105	276	6.39	1440	2.04	20	1750	3.65	2.38	8
*Dup A00307556	N.A.	8	8.60	712	4.13	8	89.2	4.60	1.57	25
A00307556	7.145	6	8.70	707	3.95	8	74.8	4.44	1.61	28
A00307557	5.295	5	8.68	365	3.98	8	93.3	4.65	1.58	12
A00307558	3.850	7	7.06	1210	2.63	8	149	1.30	2.91	32
A00307559	6.435	<5	7.02	1480	2.09	8	88.6	1.26	2.64	23
A00307560	5.595	<5	8.86	732	3.28	7	57.0	4.66	2.62	16

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307561	2.435	13	4.61	1860	0.71	8	79.6	0.89	3.27	20
A00307562	2.255	9	4.22	2010	0.73	10	53.1	0.88	3.44	16
A00307563	6.015	17	4.39	1670	0.76	8	65.2	0.75	4.01	14
A00307564	6.510	6	3.74	1440	0.50	12	23.8	0.90	2.94	19
A00307565	5.815	6	3.84	1630	0.94	11	56.1	0.86	2.84	32
A00307566	6.530	<5	5.48	1990	0.68	9	14.8	0.81	3.66	55
A00307567	6.535	6	5.92	1760	0.80	9	21.1	0.82	3.16	44
A00307568	2.810	<5	4.59	859	0.92	10	11.2	1.30	2.13	7
A00307569	5.825	13	4.76	3060	0.54	10	35.7	0.90	3.38	30
A00307570	6.260	62	5.53	1570	0.73	10	92.7	1.01	3.95	36
A00307571	6.415	<5	5.76	1390	1.07	8	17.9	0.90	3.45	46
A00307572	2.675	<5	1.23	783	0.38	17	28.2	1.16	0.43	12
A00307573	5.255	<5	1.10	141	1.51	17	28.3	1.17	0.45	14
A00307574	0.105	446	6.10	495	2.07	41	5100	3.70	0.94	13
A00307575	5.835	21	6.22	1070	1.28	7	20.6	0.89	3.94	58
A00307576	6.630	9	6.02	1400	1.36	8	12.6	0.82	4.01	64
A00307577	6.800	9	5.77	1510	0.89	9	26.0	0.82	3.83	60
A00307578	3.080	<5	6.02	1360	0.86	10	26.2	0.89	4.07	51
A00307579	3.310	10	5.58	1390	0.79	10	11.2	0.86	3.94	46
A00307580	6.680	<5	5.06	1210	0.79	9	14.6	0.91	3.35	47
A00307581	6.435	<5	5.88	1330	0.81	9	15.7	0.71	4.01	55
A00307582	6.845	<5	5.17	1200	0.87	10	14.8	0.79	3.54	38
A00307583	6.770	<5	5.32	1330	0.83	11	13.5	0.71	3.34	46
A00307584	6.780	10	5.89	1510	0.72	8	19.1	0.80	3.77	68
A00307585	6.950	<5	6.00	1380	1.02	7	9.2	0.67	3.76	63
A00307586	6.645	<5	5.80	1120	1.11	8	10.7	0.68	3.46	50
A00307587	3.535	<5	5.49	1060	1.08	14	7.7	1.28	2.23	7
A00307588	6.830	8	4.61	1240	0.92	11	19.0	0.73	3.26	28
A00307589	6.470	<5	4.53	1510	0.48	9	17.9	0.62	2.95	46
A00307590	6.580	10	3.52	1410	0.43	13	32.9	0.90	2.03	31
A00307591	6.980	8	3.72	1500	0.61	10	41.0	0.69	2.66	18
A00307592	6.465	<5	4.40	1790	0.40	10	11.5	0.65	2.89	43
*Dup A00307592	N.A.	<5	4.26	1840	0.38	10	10.4	0.55	3.01	43
*Rep A00307550		11								
*Rep A00307562		7								
*Std AMIS0217		1420								
*Std AMIS0258		3570								
*Std AMIS0286		680								
*BIK BLANK		<5								
*Rep A00307528			8.52	480	3.79	12	18.5	4.59	1.77	10
*Rep A00307575			5.96	1080	1.24	8	18.8	0.89	3.68	61

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*Std CH-4	7.25	437	1.73	84	1980	4.78	1.91	13
*Std CH-4	7.40	445	1.81	83	2010	4.83	1.85	13
*Bik BLANK	0.28	5	0.02	2	3.6	0.04	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307519	1.47	355	4.19	<0.5	850	0.05	394	0.40	160	29
A00307520	1.71	354	4.41	3.5	790	0.04	242	0.48	174	38
A00307521	1.21	313	3.57	2.4	790	0.02	304	0.43	161	31
A00307522	0.21	256	4.02	4.5	260	<0.01	491	0.12	30	32
A00307523	1.18	345	3.44	2.7	840	0.04	242	0.39	167	27
A00307524	1.69	407	3.25	4.3	840	0.05	328	0.45	161	35
A00307525	0.61	619	2.78	12.7	730	0.26	586	0.20	74	76
A00307526	1.14	356	2.59	2.7	750	0.30	263	0.40	156	43
A00307527	0.71	336	3.19	2.0	780	0.02	255	0.38	146	30
A00307528	1.47	361	2.84	3.6	850	<0.01	375	0.40	159	33
A00307529	0.88	406	1.63	2.2	760	0.07	164	0.41	148	33
A00307530	0.36	360	0.83	2.8	350	0.29	167	0.09	21	272
A00307531	0.47	527	0.97	2.2	380	0.38	180	0.13	33	143
A00307532	0.39	485	1.11	2.1	360	0.35	177	0.11	26	211
A00307533	1.41	405	3.64	3.0	830	<0.01	373	0.42	165	31
A00307534	1.75	417	2.97	3.8	730	<0.01	684	0.39	136	32
A00307535	1.52	348	3.34	4.3	870	0.03	474	0.35	120	31
A00307536	0.65	247	2.89	3.2	590	0.06	184	0.27	99	29
A00307537	0.26	246	4.00	4.6	320	<0.01	661	0.13	35	33
A00307538	1.02	267	3.33	3.0	670	0.02	171	0.28	96	33
A00307539	1.09	201	4.12	3.5	670	0.10	212	0.30	121	32
A00307540	0.97	594	2.08	25.1	450	0.61	271	0.28	99	51
A00307541	1.16	241	3.11	3.6	720	0.31	405	0.32	107	32
A00307542	1.08	291	2.86	2.7	730	0.44	521	0.35	111	28
A00307543	0.91	266	2.57	2.1	730	0.38	472	0.33	103	38
A00307544	0.34	325	0.94	2.1	460	0.63	347	0.12	28	41
A00307545	0.38	272	1.27	1.7	440	0.22	421	0.11	19	29
A00307546	0.47	285	1.18	1.3	420	0.14	380	0.11	25	32
A00307547	0.47	296	1.06	0.7	450	0.13	475	0.11	25	26
A00307548	1.11	305	2.43	0.8	740	0.16	506	0.34	116	25
A00307549	1.01	241	2.76	1.9	790	0.05	588	0.35	122	27
A00307550	1.21	312	2.70	1.6	840	0.16	599	0.39	136	31
A00307551	0.91	292	3.82	1.6	750	0.21	462	0.33	111	36
A00307552	0.81	260	4.14	1.5	740	0.05	469	0.34	106	37
A00307553	1.13	377	4.01	1.0	780	0.06	413	0.33	103	29
A00307554	0.88	266	3.43	1.4	770	0.03	616	0.34	115	24
A00307555	0.59	615	2.65	12.1	680	0.24	608	0.18	65	74
*Dup A00307556	1.01	414	2.85	1.5	780	0.05	717	0.35	115	31
A00307556	0.95	396	2.74	1.2	770	0.01	686	0.33	108	32
A00307557	1.26	374	2.59	0.5	790	0.06	592	0.33	111	30
A00307558	0.31	196	1.24	2.0	340	0.30	382	0.10	19	29
A00307559	0.34	236	1.82	1.9	360	0.11	393	0.11	20	29
A00307560	0.82	283	2.41	0.6	780	0.04	1160	0.30	103	32

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307561	0.28	930	0.16	2.4	170	0.25	254	0.06	11	1330
A00307562	0.30	1060	0.17	2.8	160	0.18	220	0.06	11	885
A00307563	0.31	897	0.16	3.1	130	0.18	223	0.06	10	238
A00307564	0.22	476	0.12	4.2	90	0.22	173	0.05	9	158
A00307565	0.17	364	0.10	2.9	120	0.20	192	0.05	10	113
A00307566	0.20	203	0.33	2.9	220	0.06	206	0.07	10	52
A00307567	0.25	203	0.28	2.3	230	0.12	183	0.07	12	78
A00307568	0.23	255	3.93	4.0	310	0.01	571	0.12	32	36
A00307569	0.24	358	0.23	2.9	200	0.25	251	0.06	10	294
A00307570	0.25	233	0.48	3.8	250	0.27	183	0.08	12	1260
A00307571	0.24	224	0.99	2.1	240	0.10	235	0.08	12	36
A00307572	0.16	409	0.02	5.4	70	0.20	104	0.02	5	377
A00307573	0.26	1190	<0.01	4.1	60	0.33	100	0.02	4	1480
A00307574	0.96	597	2.09	25.1	440	0.61	267	0.28	97	51
A00307575	0.28	313	0.17	1.7	250	0.20	233	0.09	12	139
A00307576	0.24	295	0.33	2.0	240	0.11	229	0.08	12	33
A00307577	0.27	291	0.62	1.6	240	0.12	228	0.08	12	36
A00307578	0.27	240	0.40	2.1	220	0.13	195	0.07	11	74
A00307579	0.28	255	0.40	2.3	240	0.15	185	0.07	11	122
A00307580	0.30	214	0.17	2.9	220	0.11	231	0.07	11	37
A00307581	0.28	172	0.23	2.3	240	0.05	207	0.07	11	29
A00307582	0.27	214	0.33	2.5	190	0.08	147	0.06	9	27
A00307583	0.25	227	0.27	1.8	200	0.07	171	0.07	9	26
A00307584	0.27	245	0.21	1.6	230	0.05	183	0.07	10	51
A00307585	0.24	207	0.21	1.7	240	0.05	186	0.08	11	51
A00307586	0.24	230	0.19	1.1	230	0.07	295	0.07	10	34
A00307587	0.32	284	4.00	4.0	360	<0.01	745	0.13	35	42
A00307588	0.19	194	0.19	2.2	180	0.09	177	0.06	8	22
A00307589	0.21	202	0.15	1.7	200	0.11	205	0.06	9	34
A00307590	0.19	368	0.06	2.4	180	0.37	285	0.04	9	50
A00307591	0.19	321	0.10	2.4	180	0.26	273	0.05	8	89
A00307592	0.19	217	0.13	2.2	210	0.09	305	0.06	9	48
*Dup A00307592	0.18	207	0.13	1.8	200	0.08	298	0.06	8	47
*Rep A00307528	1.46	361	2.80	3.5	860	<0.01	368	0.39	167	34
*Rep A00307575	0.28	314	0.17	1.6	250	0.20	232	0.09	13	129

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*Std CH-4	1.21	403	3.22	44.3	580	0.63	202	0.27	89	182
*Std CH-4	1.24	420	3.16	44.0	560	0.62	210	0.28	78	193
*Bik BLANK	<0.01	13	<0.01	<0.5	<50	<0.01	6.4	<0.01	<2	1

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307519	29.4	0.12	11	0.9	0.04	0.08	15.8	8.9	<5	17.7
A00307520	29.2	0.09	8	0.9	<0.04	0.06	17.6	10.9	<5	19.1
A00307521	30.9	0.10	6	0.9	0.05	0.08	19.9	9.7	6	17.8
A00307522	10.8	0.32	3	2.0	0.23	0.03	8.08	3.4	<5	18.8
A00307523	35.4	0.22	3	0.9	0.06	0.09	21.3	14.1	<5	17.5
A00307524	36.1	0.21	6	0.9	0.06	0.10	24.8	12.2	<5	18.7
A00307525	12.2	0.65	3	1.3	0.28	0.21	20.2	7.7	<5	17.5
A00307526	38.5	0.54	19	0.8	0.10	0.28	21.5	19.9	5	17.4
A00307527	34.0	0.06	10	1.2	<0.04	0.10	18.2	8.0	6	18.9
A00307528	31.6	0.12	4	0.8	<0.04	0.08	23.3	8.6	7	18.9
A00307529	39.5	0.21	21	0.8	0.06	0.19	23.9	8.0	10	19.0
A00307530	42.5	>10.0	32	1.0	0.04	3.32	19.1	2.8	11	15.1
A00307531	42.7	>10.0	39	1.1	0.05	2.12	20.7	6.4	12	16.3
A00307532	43.7	6.84	31	1.1	<0.04	2.49	20.6	4.5	11	15.8
A00307533	39.0	0.16	5	0.9	0.05	0.07	24.9	11.0	6	19.3
A00307534	36.9	0.10	4	0.9	<0.04	0.07	21.9	11.6	6	20.2
A00307535	37.8	0.15	3	0.9	0.05	0.09	22.6	13.0	<5	19.8
A00307536	38.8	0.21	4	0.9	0.05	0.09	19.1	6.3	<5	16.0
A00307537	12.2	0.03	<1	2.5	<0.04	0.04	10.3	3.8	<5	20.2
A00307538	37.6	0.28	3	0.9	0.22	0.15	21.0	7.4	<5	19.4
A00307539	40.4	0.27	2	0.9	0.06	0.08	14.4	8.9	<5	18.9
A00307540	37.5	1.07	5	0.7	0.11	0.41	19.5	12.8	<5	12.1
A00307541	40.4	0.28	2	1.0	0.12	0.08	24.8	12.6	<5	17.5
A00307542	35.0	0.47	2	0.9	0.31	0.09	25.8	16.8	<5	17.9
A00307543	37.3	0.70	3	1.0	0.35	0.09	27.2	18.8	6	18.7
A00307544	63.3	1.77	42	1.0	0.27	0.53	32.2	15.6	8	15.0
A00307545	55.3	1.13	36	1.1	0.06	0.38	33.2	7.9	7	15.2
A00307546	56.1	1.24	19	1.0	0.06	0.26	22.5	4.4	7	15.2
A00307547	55.3	1.12	15	1.0	0.05	0.26	22.0	3.9	7	14.5
A00307548	39.8	0.52	3	1.0	0.08	0.07	30.8	12.7	5	18.6
A00307549	26.3	0.07	1	0.9	<0.04	0.04	23.9	7.6	6	19.8
A00307550	29.3	0.11	1	0.9	0.05	0.05	24.3	22.3	<5	19.4
A00307551	28.1	0.22	3	0.9	0.08	0.05	16.2	25.5	<5	18.8
A00307552	30.5	0.09	4	0.9	0.04	0.05	13.2	6.5	<5	18.1
A00307553	26.8	0.15	3	0.9	<0.04	0.09	17.7	7.7	6	22.8
A00307554	29.0	0.08	3	0.9	<0.04	0.05	17.4	7.1	<5	18.7
A00307555	10.8	0.68	3	1.2	0.25	0.25	22.9	7.7	<5	17.0
*Dup A00307556	28.3	0.15	4	0.9	<0.04	0.09	22.1	6.9	8	19.3
A00307556	26.2	0.16	4	0.8	<0.04	0.06	21.9	6.6	8	18.7
A00307557	33.8	0.11	3	0.9	<0.04	0.05	23.0	14.3	7	21.2
A00307558	44.7	0.50	36	1.0	0.12	0.30	22.9	8.8	8	15.2
A00307559	45.4	1.11	6	1.1	<0.04	0.17	24.6	2.4	7	15.5
A00307560	32.4	0.18	4	1.0	0.04	0.08	27.4	5.5	8	19.9

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307561	20.6	2.70	20	0.4	1.15	14.7	14.7	1.6	<5	15.3
A00307562	18.9	1.98	14	0.4	0.48	10.1	13.8	2.2	<5	15.0
A00307563	17.9	1.20	15	0.3	0.20	3.16	12.5	1.2	<5	14.8
A00307564	14.4	0.52	8	0.3	0.22	3.02	9.26	1.5	<5	13.5
A00307565	15.8	1.11	9	0.3	0.20	0.96	10.5	1.6	<5	12.0
A00307566	24.4	0.14	5	0.6	0.05	0.22	18.6	1.7	<5	14.9
A00307567	26.7	0.23	12	0.7	0.05	0.53	19.6	1.8	<5	15.5
A00307568	12.2	0.05	2	2.0	<0.04	0.04	8.78	3.6	<5	19.6
A00307569	22.9	0.69	15	0.6	0.08	2.62	15.7	1.9	<5	13.4
A00307570	29.1	6.30	27	0.8	0.04	13.3	19.2	2.1	<5	15.1
A00307571	29.4	0.17	8	0.9	0.05	0.26	20.1	1.9	6	15.0
A00307572	6.8	0.58	4	0.2	0.05	5.21	5.14	2.2	<5	4.4
A00307573	5.9	0.85	7	0.2	0.14	13.0	4.09	1.9	<5	4.2
A00307574	36.7	1.07	5	0.7	0.11	0.46	18.4	12.8	<5	11.7
A00307575	34.3	0.34	17	0.9	0.22	1.16	22.0	1.8	6	16.1
A00307576	31.3	0.13	10	0.9	0.08	0.20	23.3	1.8	5	15.6
A00307577	23.3	0.21	9	0.8	0.24	0.21	17.9	3.0	5	16.0
A00307578	25.0	0.22	8	0.7	0.09	0.54	18.9	2.4	5	15.1
A00307579	25.2	0.28	8	0.8	0.11	1.01	19.4	2.4	5	15.0
A00307580	24.9	0.13	8	0.6	0.09	0.15	17.9	2.8	5	14.3
A00307581	26.8	0.13	8	0.8	<0.04	0.09	20.2	3.9	<5	14.8
A00307582	23.0	0.24	8	0.6	0.49	0.10	17.5	2.0	<5	12.8
A00307583	22.4	0.09	6	0.8	<0.04	0.12	16.7	1.5	<5	13.2
A00307584	26.3	0.16	9	0.8	<0.04	0.34	19.9	1.6	<5	14.9
A00307585	27.0	0.14	8	0.8	<0.04	0.40	20.4	1.6	5	15.2
A00307586	24.8	0.14	7	0.7	<0.04	0.20	20.0	1.4	5	14.7
A00307587	11.5	0.06	2	2.1	<0.04	0.03	12.3	3.6	<5	21.2
A00307588	19.0	0.14	4	0.5	0.09	0.09	15.3	1.6	<5	12.5
A00307589	22.1	0.22	6	0.6	0.06	0.14	17.1	1.4	<5	13.1
A00307590	15.9	0.85	9	0.4	0.16	0.33	13.1	1.7	<5	11.0
A00307591	17.5	1.59	8	0.4	0.12	0.75	15.9	1.2	<5	11.5
A00307592	24.3	0.25	4	0.5	<0.04	0.21	19.1	1.3	<5	13.3
*Dup A00307592	23.5	0.26	4	0.5	0.04	0.24	19.3	1.2	<5	13.2
*Rep A00307528	32.7	0.09	5	0.8	0.04	0.07	23.3	8.7	7	19.5
*Rep A00307575	35.6	0.30	18	0.8	0.21	1.14	21.9	1.8	6	16.6

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	109	2.15	8	0.8	0.49	1.11	29.7	22.8	<5	17.6
*Std CH-4	104	2.05	8	0.7	0.50	1.23	31.1	23.5	<5	17.6
*Bik BLANK	0.6	0.04	<1	<0.1	<0.04	<0.02	0.47	0.1	<5	0.2

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00307519	0.92	0.06	7.2	0.17	117	2.8	5.1	37.2	1.05	10.9
A00307520	0.93	0.05	8.0	0.18	126	3.0	3.4	41.5	0.77	14.5
A00307521	0.99	0.06	9.2	0.19	76.1	2.7	4.1	47.9	0.70	12.4
A00307522	0.54	<0.02	3.8	0.05	3.19	3.0	8.1	17.0	0.28	1.3
A00307523	1.06	0.07	10.1	0.19	151	3.2	4.3	41.0	1.05	11.9
A00307524	1.04	0.08	12.5	0.20	36.2	3.2	4.0	67.2	0.71	14.5
A00307525	0.37	0.08	10.5	0.12	138	6.4	12.7	46.7	0.53	5.2
A00307526	1.00	0.04	11.0	0.17	105	2.8	8.8	58.0	3.97	11.6
A00307527	1.14	0.05	8.6	0.19	83.6	3.2	4.4	52.5	1.37	13.7
A00307528	0.94	0.05	11.6	0.20	41.2	2.9	3.7	57.3	0.98	13.1
A00307529	1.04	0.05	12.0	0.21	99.8	3.3	4.5	87.1	2.39	13.2
A00307530	1.36	<0.02	9.9	0.12	16.9	4.8	98.5	67.8	39.4	1.8
A00307531	1.38	0.03	10.3	0.13	14.1	4.4	80.9	80.2	44.6	3.0
A00307532	1.39	<0.02	10.2	0.13	12.0	4.7	67.4	76.3	24.4	2.2
A00307533	1.12	0.06	11.2	0.19	8.57	3.3	3.9	45.0	1.46	13.4
A00307534	1.06	0.04	10.2	0.18	5.50	3.7	4.6	66.9	0.72	12.2
A00307535	1.09	0.09	11.1	0.17	22.4	3.8	5.6	60.8	0.64	11.2
A00307536	1.05	0.05	8.5	0.14	70.2	3.4	3.9	60.8	1.48	8.6
A00307537	0.66	<0.02	4.5	0.07	2.67	3.3	9.1	19.8	0.32	1.7
A00307538	1.06	0.06	9.8	0.16	46.2	3.4	6.4	73.8	1.47	9.1
A00307539	1.13	0.06	6.2	0.14	67.3	3.7	4.3	30.6	0.97	8.0
A00307540	1.00	0.08	9.5	0.20	293	3.7	6.6	24.5	1.25	11.6
A00307541	1.10	0.08	12.2	0.15	15.7	3.6	3.3	62.1	0.79	9.3
A00307542	1.05	0.10	12.8	0.16	15.4	3.5	4.1	38.3	0.86	9.5
A00307543	1.05	0.08	13.3	0.16	5.63	3.7	4.5	63.2	0.66	8.7
A00307544	1.76	0.05	19.3	0.21	14.3	5.5	16.5	102	6.84	3.2
A00307545	1.75	0.03	19.3	0.22	16.0	5.9	11.3	86.4	4.19	2.8
A00307546	1.74	0.03	11.5	0.21	18.1	5.5	6.0	93.1	1.85	2.9
A00307547	1.73	0.03	11.2	0.21	16.2	5.3	6.9	94.8	1.66	2.8
A00307548	1.13	0.14	15.9	0.19	2.61	3.5	4.3	57.9	0.63	9.6
A00307549	0.76	0.04	11.4	0.16	2.19	3.6	3.0	61.5	0.34	9.8
A00307550	0.83	0.05	12.2	0.16	1.52	3.6	3.3	50.8	0.49	9.7
A00307551	0.94	0.05	7.8	0.15	5.64	3.6	7.2	21.9	0.87	7.9
A00307552	1.00	0.04	5.8	0.15	5.43	3.8	3.7	17.3	0.56	7.6
A00307553	0.89	0.06	8.5	0.14	5.22	3.7	3.7	35.7	0.80	8.3
A00307554	0.89	0.03	8.1	0.14	3.19	3.5	2.2	37.2	0.63	8.8
A00307555	0.33	0.08	12.2	0.13	113	6.2	13.4	52.8	0.53	5.3
*Dup A00307556	0.86	0.06	10.9	0.16	9.84	3.2	4.5	47.0	1.52	9.4
A00307556	0.82	0.05	10.9	0.16	7.32	3.0	4.9	50.4	1.60	9.5
A00307557	0.96	0.06	11.2	0.18	6.26	3.2	3.3	72.1	2.13	9.8
A00307558	1.49	0.03	12.6	0.13	28.0	5.9	8.8	78.8	9.16	1.9
A00307559	1.48	<0.02	13.8	0.13	18.9	5.8	6.8	64.7	1.25	2.1
A00307560	0.92	0.04	13.5	0.19	23.9	3.2	7.0	99.3	1.10	9.5

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00307561	0.75	0.04	6.7	0.07	3.69	5.4	47.7	55.8	38.3	1.1
A00307562	0.72	0.03	6.1	0.07	3.40	5.4	44.0	57.5	28.7	1.1
A00307563	0.67	0.02	5.3	0.07	3.24	5.5	170	65.4	28.6	1.0
A00307564	0.55	0.02	4.0	0.05	4.15	4.3	64.7	51.5	10.5	0.8
A00307565	0.58	<0.02	4.8	0.06	4.04	4.3	17.4	50.0	24.3	1.1
A00307566	0.86	<0.02	9.1	0.07	3.53	5.7	7.1	61.5	8.47	1.2
A00307567	0.92	<0.02	10.0	0.07	3.12	5.7	30.9	56.2	4.30	1.3
A00307568	0.63	<0.02	4.1	0.06	2.97	3.3	8.0	19.6	0.46	1.5
A00307569	0.83	<0.02	8.3	0.06	3.20	4.6	210	63.6	10.1	1.0
A00307570	0.98	<0.02	9.7	0.08	3.28	6.4	539	80.1	24.4	1.4
A00307571	1.03	<0.02	10.6	0.08	2.34	6.0	12.0	79.2	5.91	1.4
A00307572	0.24	<0.02	2.7	0.02	4.80	2.0	59.3	14.5	12.3	0.4
A00307573	0.18	0.04	2.1	0.03	4.67	1.6	115	13.8	11.0	0.3
A00307574	0.97	0.08	9.1	0.20	286	3.7	6.6	24.2	1.30	11.7
A00307575	1.18	<0.02	11.8	0.09	3.91	6.2	69.1	94.4	11.8	1.5
A00307576	1.09	<0.02	12.3	0.09	2.29	6.2	9.5	81.6	6.40	1.4
A00307577	0.78	<0.02	8.8	0.07	2.81	5.0	10.6	80.5	5.70	1.4
A00307578	0.86	<0.02	9.6	0.08	3.01	5.6	18.5	83.1	6.90	1.4
A00307579	0.85	<0.02	9.9	0.07	2.26	5.8	40.8	81.5	7.05	1.3
A00307580	0.86	<0.02	9.5	0.06	3.85	5.4	6.8	70.8	5.90	1.3
A00307581	0.89	<0.02	10.6	0.08	2.18	6.0	7.5	77.7	5.16	1.4
A00307582	0.79	<0.02	9.2	0.07	2.57	5.2	6.1	67.1	4.86	1.2
A00307583	0.80	<0.02	8.6	0.07	3.03	5.3	7.0	60.5	4.75	1.2
A00307584	0.91	<0.02	10.4	0.08	2.41	5.9	9.4	79.0	6.92	1.4
A00307585	0.94	<0.02	10.5	0.09	1.83	6.3	30.4	69.4	7.99	1.5
A00307586	0.89	<0.02	10.4	0.08	1.97	6.0	12.2	63.8	7.80	1.4
A00307587	0.62	0.02	5.7	0.06	1.81	3.5	12.4	26.2	0.45	2.0
A00307588	0.67	<0.02	7.6	0.06	3.00	4.7	5.6	55.2	4.03	1.2
A00307589	0.78	<0.02	8.7	0.06	2.47	4.9	7.2	54.7	9.83	1.1
A00307590	0.56	<0.02	6.5	0.05	3.63	3.7	16.3	45.1	15.3	0.9
A00307591	0.66	<0.02	8.0	0.06	3.07	4.1	29.3	52.9	24.8	1.0
A00307592	0.86	<0.02	9.7	0.07	5.73	5.5	16.6	53.1	10.3	1.1
*Dup A00307592	0.87	<0.02	9.9	0.07	2.42	5.3	16.4	54.9	9.98	1.1
*Rep A00307528	0.93	0.05	11.5	0.21	46.3	2.9	3.8	57.3	1.02	13.2
*Rep A00307575	1.22	<0.02	11.7	0.09	1.91	6.4	71.6	84.4	12.3	1.4

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	2.76	0.12	15.1	0.16	1.99	3.5	13.7	66.6	0.74	11.5
*Std CH-4	2.81	0.12	16.2	0.16	2.11	3.5	15.8	66.6	0.83	12.0
*Bik BLANK	<0.02	<0.02	0.3	<0.01	<0.05	<0.1	<0.5	1.1	0.08	0.2

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307519	<2	1.6	0.18	0.41	<0.05	0.8	0.43	0.45	5.3	11.7
A00307520	<2	1.3	0.18	0.46	<0.05	1.0	0.43	0.47	13.1	12.9
A00307521	<2	1.9	0.16	0.48	<0.05	1.0	0.44	0.64	9.1	13.5
A00307522	<2	0.7	0.15	0.10	<0.05	1.4	0.20	0.52	0.2	2.4
A00307523	<2	2.4	0.20	0.45	<0.05	0.8	0.36	0.64	7.5	12.8
A00307524	<2	2.5	0.20	0.50	<0.05	0.9	0.50	1.16	5.0	14.7
A00307525	<2	2.7	0.31	0.27	0.13	3.4	0.44	0.55	0.6	7.4
A00307526	<2	2.1	0.18	0.42	0.13	1.0	0.48	2.15	8.0	12.3
A00307527	<2	2.0	0.21	0.43	<0.05	0.9	0.45	0.68	13.2	12.8
A00307528	<2	1.8	0.19	0.49	<0.05	0.9	0.42	0.91	3.3	14.4
A00307529	<2	1.8	0.19	0.54	<0.05	1.0	0.65	1.15	10.4	15.8
A00307530	<2	0.4	0.40	0.22	<0.05	5.0	0.77	2.22	3.0	6.5
A00307531	<2	0.6	0.35	0.25	<0.05	4.5	0.80	2.59	4.2	7.5
A00307532	<2	0.5	0.38	0.24	<0.05	4.7	0.78	2.53	3.9	7.0
A00307533	<2	1.8	0.19	0.50	<0.05	1.0	0.41	1.08	3.5	14.4
A00307534	<2	0.9	0.23	0.47	<0.05	1.1	0.63	0.78	4.0	13.5
A00307535	<2	1.5	0.25	0.42	<0.05	1.2	0.54	0.81	2.8	12.1
A00307536	<2	1.8	0.22	0.35	<0.05	1.2	0.53	0.67	7.3	9.8
A00307537	<2	0.7	0.17	0.13	<0.05	2.0	0.20	0.93	0.2	3.3
A00307538	<2	2.1	0.23	0.40	<0.05	1.2	0.62	0.65	2.4	11.4
A00307539	<2	1.8	0.25	0.31	<0.05	0.9	0.47	0.48	4.1	8.6
A00307540	<2	1.4	0.24	0.45	0.06	1.8	0.22	0.74	20.3	13.4
A00307541	<2	1.9	0.23	0.40	0.07	1.2	0.49	0.86	3.3	11.1
A00307542	<2	1.7	0.22	0.43	0.18	1.1	0.30	0.94	1.9	11.7
A00307543	<2	1.3	0.23	0.42	0.16	1.2	0.50	0.98	2.7	11.5
A00307544	<2	0.6	0.41	0.32	0.14	5.4	0.78	2.67	6.1	10.4
A00307545	<2	0.7	0.44	0.33	<0.05	5.6	0.70	2.53	5.4	9.7
A00307546	<2	0.7	0.42	0.30	<0.05	5.3	0.77	2.23	3.5	9.3
A00307547	<2	0.6	0.41	0.29	<0.05	5.3	0.78	2.12	3.5	8.9
A00307548	<2	1.8	0.21	0.47	<0.05	1.2	0.41	1.33	4.6	13.0
A00307549	<2	0.9	0.22	0.46	<0.05	1.0	0.48	0.62	3.5	12.5
A00307550	<2	1.1	0.21	0.47	<0.05	1.0	0.44	0.63	9.4	13.0
A00307551	<2	1.1	0.22	0.37	0.07	0.8	0.33	0.39	4.4	10.5
A00307552	<2	0.9	0.24	0.35	<0.05	0.8	0.37	0.45	3.6	9.7
A00307553	<2	1.0	0.24	0.40	<0.05	0.9	0.48	0.34	15.8	11.6
A00307554	<2	0.8	0.21	0.39	<0.05	0.9	0.49	0.37	3.2	10.7
A00307555	<2	2.2	0.30	0.28	0.12	3.7	0.39	0.72	0.5	7.9
*Dup A00307556	<2	1.1	0.19	0.43	<0.05	0.9	0.42	0.70	3.7	12.3
A00307556	<2	0.9	0.18	0.43	<0.05	0.9	0.41	0.67	3.8	12.4
A00307557	<2	1.1	0.20	0.46	<0.05	1.0	0.53	1.07	2.7	12.7
A00307558	<2	0.5	0.51	0.24	<0.05	5.5	0.76	5.73	3.3	7.0
A00307559	<2	0.3	0.48	0.24	<0.05	5.6	0.73	2.58	2.6	7.5
A00307560	<2	0.9	0.19	0.47	<0.05	1.3	0.73	1.30	3.0	13.5

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307561	<2	0.7	0.38	0.15	0.23	3.8	0.70	1.27	2.1	4.0
A00307562	<2	0.6	0.38	0.15	0.11	3.6	0.68	1.22	1.7	3.8
A00307563	<2	0.5	0.38	0.13	0.25	3.7	0.71	1.17	1.7	3.5
A00307564	<2	0.5	0.30	0.10	0.08	2.7	0.55	0.91	1.5	2.7
A00307565	<2	0.6	0.30	0.11	0.10	3.2	0.55	1.14	1.5	3.5
A00307566	<2	0.5	0.40	0.15	<0.05	4.6	0.64	1.37	1.8	3.9
A00307567	<2	0.6	0.43	0.16	<0.05	4.8	0.74	1.51	0.9	3.8
A00307568	<2	0.7	0.16	0.11	<0.05	1.9	0.22	0.85	0.2	2.7
A00307569	<2	0.6	0.35	0.12	0.09	3.6	0.83	1.61	2.9	2.8
A00307570	<2	0.7	0.52	0.16	0.07	5.7	0.83	1.33	1.6	4.1
A00307571	<2	0.4	0.48	0.17	<0.05	5.7	0.74	1.64	1.6	4.4
A00307572	<2	0.4	0.10	<0.05	<0.05	1.1	0.18	0.58	0.9	1.4
A00307573	<2	0.5	<0.05	0.06	0.09	0.9	0.17	0.76	0.9	2.2
A00307574	<2	1.3	0.24	0.44	0.07	1.8	0.22	0.78	20.4	12.9
A00307575	<2	0.5	0.49	0.18	0.06	5.3	0.94	1.67	3.4	4.9
A00307576	<2	0.5	0.49	0.19	0.05	5.4	0.85	1.83	1.8	4.8
A00307577	<2	0.8	0.36	0.16	0.07	4.6	0.82	1.21	3.4	3.8
A00307578	<2	0.5	0.44	0.16	<0.05	5.3	0.77	1.24	1.1	4.0
A00307579	<2	0.4	0.46	0.16	<0.05	5.2	0.79	1.28	1.3	4.0
A00307580	<2	0.4	0.42	0.14	0.08	4.7	0.69	1.11	1.5	3.4
A00307581	<2	0.4	0.46	0.17	<0.05	5.1	0.68	1.23	3.3	4.2
A00307582	<2	0.4	0.41	0.15	0.25	4.4	0.59	1.22	1.1	4.0
A00307583	<2	0.4	0.41	0.15	<0.05	4.5	0.65	1.13	1.5	3.8
A00307584	<2	0.4	0.47	0.17	<0.05	5.1	0.73	1.21	3.0	4.4
A00307585	<2	0.4	0.50	0.18	<0.05	5.4	0.74	1.32	3.4	4.9
A00307586	<2	0.4	0.47	0.17	<0.05	5.1	0.78	1.12	5.3	4.5
A00307587	<2	0.7	0.18	0.14	<0.05	1.6	0.25	0.83	0.2	3.4
A00307588	<2	0.5	0.34	0.13	<0.05	3.7	0.58	0.95	1.4	3.3
A00307589	<2	0.5	0.37	0.13	<0.05	4.2	0.64	0.98	3.2	3.1
A00307590	<2	0.7	0.26	0.11	0.08	2.9	0.53	0.84	2.3	2.7
A00307591	<2	0.6	0.32	0.13	0.07	3.6	0.63	1.07	1.7	3.1
A00307592	<2	0.6	0.41	0.16	<0.05	4.2	0.71	1.13	4.3	3.6
*Dup A00307592	<2	0.5	0.41	0.16	<0.05	4.3	0.69	1.12	4.0	3.6
*Rep A00307528	<2	1.9	0.18	0.50	<0.05	0.9	0.43	0.91	3.3	14.5
*Rep A00307575	<2	0.5	0.51	0.18	<0.05	5.4	1.00	1.78	3.3	4.7

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	2	1.0	0.24	0.38	0.41	2.1	0.38	0.66	2.6	9.6
*Std CH-4	<2	0.9	0.25	0.38	0.36	2.4	0.39	0.75	2.6	9.7
*Bik BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Ag AAS42E 0.3 g/t
A00307519	1.2	N.A.
A00307520	1.3	N.A.
A00307521	1.4	N.A.
A00307522	0.3	N.A.
A00307523	1.3	N.A.
A00307524	1.4	N.A.
A00307525	0.8	N.A.
A00307526	1.2	N.A.
A00307527	1.2	N.A.
A00307528	1.4	N.A.
A00307529	1.5	N.A.
A00307530	0.7	18.9
A00307531	0.8	16.7
A00307532	0.8	N.A.
A00307533	1.4	N.A.
A00307534	1.2	N.A.
A00307535	1.1	N.A.
A00307536	1.0	N.A.
A00307537	0.4	N.A.
A00307538	1.1	N.A.
A00307539	0.9	N.A.
A00307540	1.3	N.A.
A00307541	1.1	N.A.
A00307542	1.1	N.A.
A00307543	1.1	N.A.
A00307544	1.2	N.A.
A00307545	1.3	N.A.
A00307546	1.2	N.A.
A00307547	1.2	N.A.
A00307548	1.3	N.A.
A00307549	1.1	N.A.
A00307550	1.2	N.A.
A00307551	1.0	N.A.
A00307552	1.0	N.A.
A00307553	1.1	N.A.
A00307554	1.1	N.A.
A00307555	0.8	N.A.
*Dup A00307556	1.1	N.A.
A00307556	1.1	N.A.
A00307557	1.2	N.A.
A00307558	0.8	N.A.
A00307559	0.8	N.A.
A00307560	1.3	N.A.

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Ag AAS42E 0.3 g/t
A00307561	0.4	N.A.
A00307562	0.4	N.A.
A00307563	0.4	N.A.
A00307564	0.3	N.A.
A00307565	0.3	N.A.
A00307566	0.4	N.A.
A00307567	0.4	N.A.
A00307568	0.3	N.A.
A00307569	0.3	N.A.
A00307570	0.4	N.A.
A00307571	0.5	N.A.
A00307572	0.1	N.A.
A00307573	0.2	N.A.
A00307574	1.3	N.A.
A00307575	0.5	N.A.
A00307576	0.5	N.A.
A00307577	0.4	N.A.
A00307578	0.4	N.A.
A00307579	0.4	N.A.
A00307580	0.4	N.A.
A00307581	0.4	N.A.
A00307582	0.4	N.A.
A00307583	0.4	N.A.
A00307584	0.5	N.A.
A00307585	0.5	N.A.
A00307586	0.5	N.A.
A00307587	0.4	N.A.
A00307588	0.3	N.A.
A00307589	0.3	N.A.
A00307590	0.3	N.A.
A00307591	0.3	N.A.
A00307592	0.4	N.A.
*Dup A00307592	0.4	N.A.
*Std MP1B		43.7
*Blk BLANK		<0.3
*Rep A00307528	1.4	
*Rep A00307575	0.5	

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*Std CH-4	1.0
*Std CH-4	1.0
*Bik BLANK	<0.1

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Certificate of Analysis

Work Order: VC122656

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 30, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE-017-2012
Project No. : LENNAC
No. Of Samples : 19
Date Submitted : Oct 03, 2012
Report Comprises : Pages 1 to 7
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309871	4.680	<5	5.75	741	2.03	49	31.9	3.19	1.29	15
A00309872	5.390	<5	4.92	875	1.07	40	21.0	3.29	1.83	10
A00309873	3.985	<5	6.10	844	1.34	50	31.5	3.62	1.57	10
A00309874	3.160	<5	5.26	784	1.23	43	26.5	2.18	1.40	12
A00309875	3.250	<5	4.85	828	1.27	46	29.0	2.45	1.39	11
A00309876	2.970	7	6.88	825	3.25	41	39.1	3.87	1.40	25
A00309877	4.050	<5	7.48	987	3.12	42	35.3	3.41	2.43	13
A00309878	3.280	61	7.57	981	3.30	36	32.7	3.10	2.38	13
A00309879	3.865	<5	7.54	954	3.06	36	37.1	3.02	2.27	13
A00309880	3.860	<5	7.68	992	3.20	35	35.1	3.03	2.38	12
A00309881	3.430	<5	7.40	926	2.97	33	38.4	2.94	2.26	13
A00309882	3.180	<5	6.76	819	2.66	37	36.3	3.77	1.38	21
A00309883	4.095	<5	6.64	772	2.32	41	35.2	3.76	1.39	21
A00309884	2.120	<5	3.23	851	0.83	11	7.2	1.07	2.19	5
A00309885	4.265	<5	7.02	860	3.12	47	39.5	3.84	1.47	19
A00309886	4.840	<5	6.84	758	3.14	47	36.3	3.93	1.44	18
A00309887	5.200	<5	6.41	727	3.19	38	37.7	3.56	1.42	18
A00309888	0.730	<5	5.56	668	2.29	38	71.8	3.51	1.68	28
A00309889	0.105	297	5.65	1500	1.96	21	1770	3.53	2.32	8
*Rep A00309873		<5								
*Std AMIS0217		1460								
*Rep A00309872			4.85	863	1.05	41	21.2	3.33	1.84	10
*Std CH-4			6.29	427	1.70	93	1990	4.72	1.84	13
*Bik BLANK		<5								
*Bik BLANK			0.02	<1	<0.01	5	2.3	<0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309871	0.99	587	1.93	25.7	830	0.06	469	0.37	103	75
A00309872	0.75	612	2.31	21.5	490	0.21	426	0.29	86	64
A00309873	0.75	593	2.24	22.7	510	0.20	505	0.30	96	65
A00309874	0.85	318	2.10	21.7	430	0.21	546	0.34	87	77
A00309875	0.68	348	2.31	24.2	430	0.32	574	0.30	85	77
A00309876	1.13	891	2.11	25.2	880	0.11	384	0.38	127	97
A00309877	1.29	567	2.53	28.2	1170	0.03	900	0.42	152	68
A00309878	1.41	492	2.40	26.1	1150	<0.01	1010	0.41	126	71
A00309879	1.25	410	2.55	26.7	1120	0.04	996	0.40	128	71
A00309880	1.30	443	2.59	26.7	1170	0.01	1030	0.42	135	70
A00309881	1.25	444	2.52	25.5	1050	0.07	981	0.40	121	65
A00309882	1.08	790	2.34	21.0	920	0.08	416	0.36	125	73
A00309883	1.09	730	2.26	25.0	820	0.07	387	0.35	118	75
A00309884	0.20	235	4.05	4.1	180	<0.01	400	0.12	32	49
A00309885	1.21	881	2.33	27.2	980	0.15	468	0.38	131	92
A00309886	1.18	893	2.23	27.1	980	0.18	440	0.37	127	91
A00309887	1.03	800	2.16	25.3	870	0.26	417	0.35	125	96
A00309888	0.90	836	1.60	17.9	720	0.15	287	0.31	95	102
A00309889	0.61	588	2.59	12.6	690	0.26	596	0.19	74	146
*Rep A00309872	0.75	614	2.33	21.4	500	0.23	426	0.29	86	66
*Std CH-4	1.26	404	3.13	43.0	550	0.58	191	0.27	88	187
*BIK BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	0.5	<0.01	<2	2

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00309871	73.0	0.15	7	1.1	0.09	0.28	35.4	14.3	<5	14.6
A00309872	60.2	0.15	11	1.3	0.09	0.17	27.3	11.7	<5	15.6
A00309873	52.1	0.14	8	1.2	0.10	0.20	25.7	12.2	<5	15.5
A00309874	58.2	0.13	8	1.3	0.12	0.21	27.5	11.6	<5	17.7
A00309875	57.9	0.15	13	1.4	0.11	0.23	25.8	13.7	<5	17.5
A00309876	73.1	0.20	14	0.9	0.08	0.45	29.4	14.3	<5	15.1
A00309877	105	0.18	3	1.4	0.07	0.18	43.9	13.7	<5	20.0
A00309878	106	0.20	2	1.4	0.06	0.17	47.8	13.9	<5	19.9
A00309879	106	0.18	1	1.4	0.06	0.14	47.4	15.0	<5	19.8
A00309880	110	0.19	2	1.5	0.06	0.17	49.8	15.3	<5	19.9
A00309881	108	0.17	2	1.4	0.07	0.15	45.7	14.8	<5	19.7
A00309882	69.6	0.15	9	1.0	0.08	0.23	29.8	13.9	<5	15.6
A00309883	70.1	0.14	9	1.0	0.09	0.32	28.4	13.7	<5	15.2
A00309884	11.5	0.05	3	2.0	<0.04	0.06	7.80	3.4	<5	20.4
A00309885	74.8	0.16	9	1.1	0.07	0.51	31.5	14.6	<5	15.8
A00309886	78.2	0.24	8	0.9	0.29	0.54	32.0	16.0	<5	15.2
A00309887	73.4	0.18	9	1.0	0.07	0.59	30.2	13.9	<5	14.8
A00309888	64.8	0.33	17	1.0	0.09	0.40	24.8	12.7	<5	13.9
A00309889	12.2	0.80	5	1.2	0.30	0.67	24.0	8.3	<5	18.1
*Rep A00309872	60.9	0.14	11	1.3	0.09	0.19	26.9	11.9	<5	16.0
*Std CH-4	106	1.94	8	0.8	0.54	1.11	28.3	23.1	<5	18.2
*Bik BLANK	<0.5									
*Bik BLANK		0.02	<1	<0.1	<0.04	<0.02	0.27	0.1	<5	0.1

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Element Method Det.Lim. Units	Hf ICM40B ppm	In ICM40B ppm	La ICM40B ppm	Lu ICM40B ppm	Mo ICM40B ppm	Nb ICM40B ppm	Pb ICM40B ppm	Rb ICM40B ppm	Sb ICM40B ppm	Sc ICM40B ppm
A00309871	1.99	0.04	18.4	0.22	3.53	7.0	11.0	34.1	0.80	11.5
A00309872	1.70	0.04	14.4	0.20	4.50	6.1	10.2	40.3	0.90	8.3
A00309873	1.44	0.04	13.5	0.17	5.42	5.1	9.5	36.3	0.68	9.5
A00309874	1.75	0.04	14.6	0.15	5.00	6.3	10.5	32.5	0.68	7.8
A00309875	1.58	0.04	13.4	0.14	8.00	5.5	12.8	30.7	1.21	6.3
A00309876	2.01	0.05	14.9	0.26	3.39	5.5	19.4	36.8	1.18	13.4
A00309877	2.82	0.04	23.2	0.18	2.39	8.4	7.9	47.8	0.36	10.6
A00309878	2.74	0.05	23.9	0.19	1.59	8.5	8.3	45.9	0.20	10.4
A00309879	2.76	0.04	24.2	0.19	1.68	8.6	7.5	48.5	0.28	10.0
A00309880	2.85	0.04	24.4	0.20	1.59	8.8	10.7	46.4	0.24	10.3
A00309881	2.81	0.05	24.1	0.18	2.17	8.7	8.0	52.0	0.25	9.8
A00309882	1.93	0.05	15.2	0.25	1.91	5.8	7.3	35.8	0.94	13.5
A00309883	1.80	0.04	14.6	0.25	2.34	5.2	7.3	37.9	1.06	12.9
A00309884	0.57	<0.02	3.5	0.05	1.45	3.1	7.2	18.6	0.40	1.2
A00309885	2.00	0.05	16.2	0.26	5.01	5.9	11.1	38.1	0.94	13.7
A00309886	2.10	0.07	16.4	0.28	4.47	6.0	9.8	37.1	0.81	13.5
A00309887	2.05	0.05	15.4	0.28	5.66	5.8	9.6	34.7	0.85	13.2
A00309888	1.69	0.04	12.8	0.20	12.3	6.4	11.3	43.6	2.95	11.0
A00309889	0.39	0.10	13.0	0.13	144	6.7	18.1	56.7	0.56	5.6
*Rep A00309872	1.71	0.04	14.0	0.20	4.85	6.3	9.7	40.1	0.88	8.0
*Std CH-4	2.76	0.11	14.6	0.16	2.64	3.5	16.2	66.9	0.69	11.8
*BIK BLANK	<0.02	<0.02	0.1	<0.01	0.07	<0.1	0.5	0.4	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309871	<2	0.9	0.40	0.57	<0.05	3.3	0.27	1.44	1.1	15.2
A00309872	<2	1.0	0.39	0.43	<0.05	3.2	0.55	1.73	1.0	12.8
A00309873	<2	0.9	0.31	0.42	<0.05	2.7	0.43	1.40	1.1	11.5
A00309874	<2	1.0	0.39	0.38	<0.05	3.2	0.37	1.65	1.6	9.9
A00309875	<2	0.9	0.34	0.36	<0.05	2.7	0.50	1.73	1.1	9.2
A00309876	<2	0.9	0.34	0.57	0.05	3.0	0.36	1.61	0.9	16.9
A00309877	<2	1.0	0.51	0.51	<0.05	4.9	0.17	1.64	0.9	12.7
A00309878	<2	1.0	0.53	0.52	<0.05	4.5	0.12	2.02	0.8	13.1
A00309879	<2	1.0	0.53	0.50	<0.05	4.4	0.14	1.37	0.8	12.8
A00309880	<2	1.0	0.55	0.52	<0.05	4.4	0.14	1.61	0.8	13.1
A00309881	<2	1.0	0.53	0.50	<0.05	4.4	0.14	1.53	0.8	12.6
A00309882	<2	0.9	0.35	0.56	<0.05	2.9	0.30	1.38	0.7	16.5
A00309883	<2	0.8	0.32	0.54	<0.05	2.9	0.37	1.49	0.7	15.7
A00309884	<2	0.7	0.15	0.10	<0.05	1.0	0.23	0.49	0.2	2.5
A00309885	<2	0.9	0.36	0.58	<0.05	3.0	0.62	1.71	0.6	17.2
A00309886	<2	1.3	0.35	0.61	0.06	2.8	0.62	1.63	0.7	17.9
A00309887	<2	0.9	0.35	0.60	<0.05	2.8	0.67	1.64	0.6	18.0
A00309888	<2	0.8	0.42	0.45	<0.05	3.4	0.45	1.51	1.3	13.1
A00309889	<2	2.6	0.32	0.30	0.22	4.3	0.46	0.78	0.5	8.8
*Rep A00309872	<2	1.0	0.38	0.43	<0.05	3.2	0.56	1.74	1.0	12.6
*Std CH-4	<2	1.0	0.25	0.36	0.37	2.1	0.41	0.71	2.8	9.5
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309871	1.5
A00309872	1.3
A00309873	1.2
A00309874	1.0
A00309875	0.9
A00309876	1.7
A00309877	1.2
A00309878	1.2
A00309879	1.2
A00309880	1.3
A00309881	1.2
A00309882	1.6
A00309883	1.6
A00309884	0.3
A00309885	1.7
A00309886	1.8
A00309887	1.8
A00309888	1.3
A00309889	0.9
*Rep A00309872	1.3
*Std CH-4	1.0
*BIK BLANK	<0.1

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Certificate of Analysis

Work Order: VC122704

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Nov 07, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE019-2012
Project No. : LENNAC
No. Of Samples : 37
Date Submitted : Oct 09, 2012
Report Comprises : Pages 1 to 12
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307667	5.070	<5	5.23	1390	1.95	13	11.4	1.48	4.39	4
A00307668	6.975	<5	6.61	1590	2.44	13	6.8	1.53	4.72	5
A00307669	0.105	335	7.83	1490	2.28	21	1820	4.24	2.40	8
A00307670	6.340	24	7.42	2190	2.87	9	37.6	1.81	5.40	17
A00307671	6.760	359	7.07	2020	2.04	10	21.7	2.05	5.54	6
A00307672	6.430	6	7.83	1750	2.61	10	14.1	2.39	4.71	6
A00307673	2.845	<5	4.78	922	1.01	12	2.1	1.51	2.34	6
A00307674	4.510	<5	6.47	3280	1.87	13	6.6	1.47	5.26	4
A00307675	3.835	<5	5.57	2130	1.94	15	20.2	1.32	4.48	3
A00307676	5.275	<5	6.17	2340	1.27	11	14.9	1.04	5.19	5
A00307677	3.370	17	5.49	1290	1.33	9	5.5	1.22	4.67	35
A00307678	3.225	13	7.06	1250	2.22	10	14.8	2.13	4.43	6
A00307679	3.085	<5	7.80	1250	2.75	10	4.4	2.55	4.17	5
A00307680	3.095	<5	7.51	1250	2.61	9	11.4	2.46	4.15	5
A00307681	6.980	19	8.17	1060	3.42	10	18.2	3.11	3.94	8
A00307682	6.670	<5	8.59	965	1.60	10	8.4	3.32	3.88	10
A00307683	0.100	305	7.83	1460	2.18	21	1830	4.29	2.45	9
A00307684	2.180	143	6.72	1310	3.33	10	112	2.72	3.79	278
A00307685	4.745	<5	7.94	1120	2.59	10	3.2	2.98	4.15	23
A00307686	6.950	<5	7.44	1590	2.15	11	9.8	1.90	4.85	4
A00307687	6.855	25	6.79	1400	1.58	10	10.2	1.34	4.98	3
A00307688	6.515	7	7.67	1140	2.02	10	8.9	2.55	4.16	4
A00307689	3.140	<5	5.26	974	1.08	13	2.1	1.50	2.33	6
A00307690	3.600	5	8.06	1020	1.60	9	6.1	2.20	4.04	14
A00307691	2.290	14	6.27	829	0.72	8	22.4	1.16	4.22	15
A00307692	6.765	10	6.18	898	0.87	37	32.2	1.20	4.95	14
A00307693	3.045	<5	6.59	1030	1.06	8	5.8	1.20	5.54	8
A00307694	3.330	6	7.94	1080	1.43	8	9.9	2.09	4.32	10
A00307695	2.860	<5	7.88	1400	1.83	9	95.3	2.72	4.21	6
A00307696	3.165	<5	7.62	1340	1.87	10	30.7	2.60	3.85	5
A00307697	6.770	5	6.63	1040	1.96	10	36.6	3.16	3.27	9
A00307698	6.865	<5	7.75	885	2.96	8	7.6	2.36	3.34	6
A00307699	6.915	<5	8.41	828	3.80	9	22.1	3.89	2.93	5
A00307700	6.875	<5	8.86	1110	3.74	9	17.1	3.69	3.67	6
A00307701	0.100	308	7.86	1460	2.30	20	1760	4.37	2.43	8
A00307702	6.545	<5	8.45	963	2.66	11	16.8	3.13	2.82	28
A00307703	7.690	<5	6.58	476	2.28	7	49.5	2.87	2.79	6
*Dup A00307703	N.A.	<5	6.55	461	2.20	6	38.2	2.61	2.48	6
*Rep A00307702			8.00	831	2.47	8	15.5	2.88	2.68	26
*Std CH-4			7.43	406	1.86	88	1920	4.98	1.90	13
*Blk BLANK			0.03	1	<0.01	2	0.5	<0.01	<0.01	<1

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Final : VC122704 Order: PROJ: /SHIPMENT: RRLE019-2012

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Element	Au
Method	FAA313
Det.Lim.	5
Units	ppb
*Rep A00307690	6
*Std AMIS0217	1450
*Bik BLANK	<5

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307667	0.39	389	1.18	3.7	650	0.01	322	0.26	54	30
A00307668	0.56	386	1.99	3.8	800	0.03	477	0.32	72	26
A00307669	0.63	667	2.57	12.5	670	0.27	715	0.20	73	80
A00307670	0.73	439	1.66	2.4	860	0.07	444	0.34	81	187
A00307671	0.65	386	1.47	2.5	900	0.78	1310	0.37	81	1150
A00307672	0.90	365	2.59	1.9	1090	0.18	2780	0.43	102	28
A00307673	0.25	281	3.67	3.4	320	<0.01	695	0.12	35	41
A00307674	0.80	379	1.61	2.8	750	0.05	470	0.36	77	28
A00307675	0.56	376	1.09	3.7	680	0.02	287	0.28	61	44
A00307676	0.20	296	0.96	2.8	300	0.04	208	0.10	20	24
A00307677	0.32	271	0.52	2.3	260	<0.01	199	0.09	18	76
A00307678	0.54	324	2.07	2.8	760	0.03	373	0.29	70	48
A00307679	0.76	358	2.83	1.8	980	<0.01	502	0.38	96	29
A00307680	0.78	360	2.66	2.1	970	0.01	477	0.36	96	31
A00307681	0.83	783	2.71	1.8	1040	0.14	481	0.47	119	45
A00307682	0.60	462	2.59	1.6	1160	0.03	459	0.51	135	87
A00307683	0.64	713	2.71	12.2	690	0.25	749	0.20	73	78
A00307684	1.00	1490	0.57	1.2	900	0.40	265	0.34	96	463
A00307685	0.74	430	2.26	1.6	1150	0.02	465	0.44	111	60
A00307686	0.51	300	2.09	2.4	850	<0.01	374	0.33	82	24
A00307687	0.40	437	1.66	2.7	550	0.13	264	0.20	50	86
A00307688	0.30	411	2.68	1.4	910	0.06	396	0.32	77	48
A00307689	0.27	284	3.71	4.3	350	<0.01	716	0.13	36	40
A00307690	0.47	575	1.69	1.7	840	<0.01	254	0.30	68	67
A00307691	0.27	304	1.26	2.6	290	0.03	196	0.09	18	42
A00307692	0.29	306	0.98	3.2	290	0.02	188	0.10	22	40
A00307693	0.39	392	0.92	2.4	340	<0.01	195	0.11	29	52
A00307694	0.39	391	2.12	1.1	850	<0.01	383	0.32	76	70
A00307695	0.30	323	2.44	2.1	890	0.07	436	0.30	71	759
A00307696	0.28	312	2.37	1.8	880	0.03	427	0.30	70	50
A00307697	0.31	301	3.04	1.1	810	0.02	376	0.36	86	55
A00307698	0.44	347	2.95	1.7	880	<0.01	408	0.32	75	29
A00307699	0.87	478	3.17	1.6	1180	<0.01	494	0.45	132	47
A00307700	0.92	571	3.03	1.9	960	<0.01	551	0.46	115	71
A00307701	0.63	677	2.62	11.0	670	0.25	728	0.20	71	76
A00307702	0.57	661	2.16	1.7	900	0.02	375	0.40	107	104
A00307703	0.56	358	2.98	1.7	800	0.03	374	0.42	103	53
*Dup A00307703	0.54	314	2.75	1.5	800	<0.01	372	0.39	99	40
*Rep A00307702	0.52	596	2.02	1.2	800	0.01	351	0.37	93	95
*Std CH-4	1.32	440	3.20	42.4	580	0.62	203	0.30	83	208
*Blk BLANK	<0.01	2	<0.01	<0.5	<50	<0.01	0.9	<0.01	<2	4

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Element Method Det.Lim. Units	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
	0.5 ppm	0.02 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm	0.05 ppm	0.1 ppm	5 ppm	0.1 ppm
A00307667	16.0	0.06	2	0.5	<0.04	0.12	19.9	3.3	<5	14.8
A00307668	18.8	0.07	4	0.7	0.05	0.05	24.2	3.8	<5	19.1
A00307669	12.2	0.59	4	1.2	0.32	0.19	28.8	8.2	<5	18.4
A00307670	18.3	1.55	9	0.7	<0.04	1.90	25.0	4.1	8	21.3
A00307671	18.7	9.57	96	0.7	<0.04	13.7	25.3	4.4	<5	19.9
A00307672	22.2	0.12	7	0.8	0.04	0.14	27.3	5.1	<5	21.1
A00307673	13.4	0.02	4	1.9	<0.04	0.03	11.5	3.8	<5	21.3
A00307674	18.8	0.05	2	0.6	<0.04	0.11	25.0	3.8	<5	18.3
A00307675	15.9	0.12	3	0.5	0.10	0.10	21.2	3.2	<5	16.4
A00307676	28.6	0.06	2	0.6	<0.04	0.04	14.5	2.6	<5	15.9
A00307677	28.1	0.03	5	0.5	<0.04	0.35	13.1	2.4	5	13.6
A00307678	29.0	0.05	6	0.9	0.25	0.04	25.1	4.3	<5	18.4
A00307679	37.8	0.03	1	0.9	0.05	0.04	27.7	5.3	<5	19.7
A00307680	37.2	0.04	2	0.9	0.09	0.06	27.9	5.3	<5	19.8
A00307681	33.4	0.36	15	0.9	<0.04	0.13	29.1	6.3	7	21.7
A00307682	21.1	0.05	25	0.9	0.05	0.25	25.2	6.8	14	23.4
A00307683	11.4	0.64	3	1.3	0.32	0.16	28.8	8.3	<5	18.6
A00307684	24.9	>10.0	61	0.9	0.06	3.99	24.9	5.7	17	18.2
A00307685	25.6	0.16	11	0.9	0.06	0.21	25.2	6.3	10	21.4
A00307686	21.0	0.05	3	0.7	<0.04	0.10	21.7	3.8	<5	19.7
A00307687	26.3	3.30	23	0.8	0.04	0.66	18.1	2.9	<5	17.0
A00307688	21.8	0.16	23	0.9	0.04	0.15	23.2	4.3	6	19.9
A00307689	13.3	<0.02	1	2.0	<0.04	0.02	12.1	3.7	<5	21.4
A00307690	24.9	0.09	10	0.9	<0.04	0.30	29.1	3.3	7	18.7
A00307691	33.0	0.38	8	0.8	<0.04	0.18	17.8	2.5	6	16.4
A00307692	29.2	0.15	5	0.7	<0.04	0.18	15.5	2.4	6	16.5
A00307693	28.1	0.16	4	0.6	<0.04	0.32	14.6	2.3	6	18.3
A00307694	21.5	0.05	16	0.8	0.05	0.36	23.8	3.2	6	20.9
A00307695	20.6	0.13	137	0.9	7.60	1.61	32.7	4.6	6	21.1
A00307696	18.9	<0.02	12	0.9	0.08	0.11	30.2	4.2	6	19.3
A00307697	21.7	0.08	10	1.0	0.04	0.15	16.2	4.6	9	20.0
A00307698	17.9	0.05	4	0.8	<0.04	0.07	21.1	3.9	10	20.6
A00307699	25.1	0.04	3	0.9	0.05	0.06	23.1	6.9	9	20.5
A00307700	36.5	0.08	6	1.0	0.04	0.44	23.8	7.3	10	21.2
A00307701	11.7	0.60	4	1.2	0.29	0.20	27.3	8.0	<5	17.8
A00307702	20.6	0.07	16	0.9	0.06	0.91	22.0	5.8	16	20.2
A00307703	19.9	0.06	13	1.0	0.23	0.15	20.6	7.7	14	21.6
*Dup A00307703	18.1	0.04	13	1.0	0.04	0.11	21.9	7.2	15	21.2
*Rep A00307702	19.2	0.09	16	1.0	0.05	0.95	22.5	5.9	17	20.8
*Std CH-4	107	1.92	8	0.8	0.57	0.98	31.8	24.0	<5	18.6
*Blk BLANK	<0.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<0.02	<1	<0.1	<0.04	<0.02	0.07	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B ppm	In ICM40B ppm	La ICM40B ppm	Lu ICM40B ppm	Mo ICM40B ppm	Nb ICM40B ppm	Pb ICM40B ppm	Rb ICM40B ppm	Sb ICM40B ppm	Sc ICM40B ppm
A00307667	0.54	0.05	8.4	0.16	5.07	5.4	12.6	60.4	2.82	6.7
A00307668	0.73	0.05	10.1	0.19	5.31	6.2	8.8	70.5	1.51	8.9
A00307669	0.36	0.08	16.1	0.14	147	6.8	16.8	62.8	0.54	6.3
A00307670	0.66	0.05	10.6	0.23	5.43	6.3	226	84.8	18.2	9.2
A00307671	0.68	0.04	11.1	0.18	6.79	6.5	538	85.1	5.98	9.5
A00307672	0.80	0.05	12.1	0.24	7.09	6.5	9.2	67.5	0.59	11.9
A00307673	0.64	0.02	5.2	0.07	2.70	3.6	13.9	23.1	0.41	1.8
A00307674	0.68	0.03	10.6	0.22	101	6.9	37.9	70.6	0.48	9.8
A00307675	0.56	0.03	8.7	0.16	13.6	6.4	70.5	62.4	1.65	8.0
A00307676	0.95	<0.02	7.0	0.11	9.78	6.1	5.9	73.4	0.81	2.1
A00307677	0.92	<0.02	6.6	0.11	25.0	5.3	5.7	72.4	5.59	1.6
A00307678	0.93	0.04	11.4	0.18	6.91	5.8	6.6	70.6	0.76	7.6
A00307679	1.11	0.05	12.4	0.24	23.8	6.2	5.1	59.8	0.34	10.3
A00307680	1.03	0.06	12.4	0.23	22.1	5.9	5.3	60.1	0.37	10.7
A00307681	0.89	0.04	13.7	0.23	14.2	5.8	19.9	67.0	3.32	13.0
A00307682	0.79	0.05	11.0	0.21	17.4	5.9	17.3	71.7	17.1	13.8
A00307683	0.36	0.08	15.9	0.14	139	6.8	16.8	64.7	0.64	6.4
A00307684	0.59	0.02	11.1	0.20	16.8	4.9	434	88.3	76.0	11.1
A00307685	0.76	0.04	11.2	0.22	19.4	5.7	12.3	78.1	10.7	11.8
A00307686	0.64	<0.02	9.4	0.19	16.1	5.2	3.9	74.0	1.18	8.8
A00307687	0.79	<0.02	8.5	0.17	40.6	5.5	41.7	73.4	3.25	5.3
A00307688	0.78	0.03	10.4	0.20	6.07	5.6	11.0	61.5	4.24	8.4
A00307689	0.64	<0.02	5.6	0.07	2.64	3.6	12.7	24.7	0.37	1.9
A00307690	0.79	0.03	14.3	0.21	6.91	5.5	16.4	63.6	5.50	7.1
A00307691	1.10	<0.02	9.1	0.11	37.9	5.6	13.0	66.9	3.64	1.9
A00307692	0.99	<0.02	7.5	0.10	12.6	5.7	12.3	69.9	3.49	1.7
A00307693	0.89	<0.02	7.0	0.11	12.4	5.4	11.9	75.3	2.39	2.2
A00307694	0.82	0.03	11.4	0.20	9.91	6.1	15.2	66.0	7.79	7.4
A00307695	0.75	1.77	15.3	0.29	226	5.8	68.9	70.6	6.56	7.4
A00307696	0.66	0.04	14.2	0.22	101	5.8	9.2	62.3	6.28	7.4
A00307697	0.78	<0.02	6.2	0.18	13.6	5.9	13.2	41.4	4.37	7.7
A00307698	0.74	<0.02	8.9	0.19	12.1	5.5	7.1	50.1	0.71	7.8
A00307699	0.90	0.05	10.5	0.23	12.8	4.9	6.5	46.2	0.55	12.8
A00307700	0.92	0.05	10.9	0.30	62.5	4.8	26.1	57.4	1.76	12.2
A00307701	0.35	0.07	15.1	0.14	139	6.4	16.6	61.2	0.48	5.9
A00307702	0.85	0.04	9.9	0.28	20.9	4.8	35.6	61.2	11.0	11.3
A00307703	0.87	0.04	8.7	0.22	45.6	4.9	9.3	48.1	5.62	11.3
*Dup A00307703	0.86	0.03	9.3	0.22	49.2	4.9	7.7	50.3	5.37	11.6
*Rep A00307702	0.85	0.04	9.9	0.28	21.3	4.9	33.7	61.0	11.4	11.6
*Std CH-4	2.72	0.11	16.7	0.17	3.12	3.6	17.4	71.8	0.69	13.2
*Blk BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<0.02	<0.02	<0.1	<0.01	0.05	<0.1	<0.5	<0.2	0.07	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307667	<2	1.6	0.19	0.35	<0.05	1.5	0.24	0.60	0.7	10.3
A00307668	<2	2.0	0.27	0.45	<0.05	1.4	0.32	0.59	0.9	13.4
A00307669	<2	2.6	0.34	0.33	0.13	5.5	0.47	0.99	0.6	9.6
A00307670	<2	1.9	0.26	0.49	<0.05	1.5	0.49	0.63	1.2	15.3
A00307671	<2	1.9	0.26	0.42	0.21	1.4	0.67	0.63	9.9	11.9
A00307672	<2	1.7	0.29	0.56	<0.05	1.3	0.27	0.74	0.7	16.6
A00307673	<2	0.7	0.18	0.14	<0.05	1.8	0.26	1.24	0.2	3.3
A00307674	<2	1.7	0.23	0.49	<0.05	1.5	0.30	0.72	1.5	14.4
A00307675	<2	1.7	0.18	0.38	<0.05	1.3	0.25	0.70	0.8	10.7
A00307676	<2	0.8	0.44	0.18	<0.05	4.5	0.30	1.61	0.9	5.9
A00307677	<2	0.4	0.41	0.16	<0.05	4.3	0.50	1.57	1.4	5.8
A00307678	<2	1.4	0.36	0.43	<0.05	2.8	0.30	1.45	0.8	13.1
A00307679	<2	1.7	0.34	0.52	<0.05	2.7	0.25	1.55	0.8	15.9
A00307680	<2	1.9	0.32	0.53	<0.05	2.5	0.25	1.46	0.8	15.9
A00307681	<2	1.7	0.29	0.59	<0.05	1.5	0.38	0.95	2.5	17.1
A00307682	<2	1.7	0.31	0.54	<0.05	1.3	0.50	0.32	2.2	14.9
A00307683	<2	2.4	0.32	0.33	0.14	5.3	0.46	0.98	0.5	9.9
A00307684	<2	1.5	0.23	0.48	0.11	1.1	1.04	0.99	6.8	13.8
A00307685	<2	1.8	0.32	0.54	<0.05	1.4	0.48	0.61	1.3	15.7
A00307686	<2	1.5	0.28	0.42	<0.05	1.1	0.33	0.79	1.4	13.3
A00307687	<2	1.0	0.35	0.33	<0.05	3.1	0.48	1.19	3.1	10.6
A00307688	<2	1.4	0.32	0.43	<0.05	1.3	0.44	0.80	2.4	12.3
A00307689	<2	0.7	0.18	0.14	<0.05	1.9	0.25	1.04	0.2	3.6
A00307690	<2	1.3	0.33	0.46	<0.05	1.7	0.45	1.13	1.7	14.1
A00307691	<2	0.5	0.46	0.18	<0.05	5.2	0.49	1.93	1.3	5.4
A00307692	<2	0.7	0.46	0.17	<0.05	5.2	0.47	1.55	1.1	5.1
A00307693	<2	0.8	0.45	0.19	<0.05	5.0	0.47	1.30	1.0	5.8
A00307694	<2	1.6	0.34	0.44	<0.05	1.6	0.44	0.60	2.9	12.7
A00307695	<2	6.1	0.33	0.68	<0.05	3.8	0.42	0.89	4.1	18.7
A00307696	<2	1.3	0.32	0.58	<0.05	1.4	0.39	0.54	2.7	16.7
A00307697	<2	1.2	0.35	0.37	<0.05	0.9	0.31	0.57	2.2	9.8
A00307698	<2	1.3	0.33	0.44	<0.05	1.1	0.30	0.49	1.6	12.5
A00307699	<2	1.6	0.29	0.52	<0.05	1.2	0.22	0.75	1.1	15.6
A00307700	<2	1.7	0.27	0.57	<0.05	1.2	0.32	0.78	1.5	17.7
A00307701	<2	2.2	0.30	0.30	0.13	4.9	0.44	0.96	0.5	9.2
A00307702	<2	1.5	0.29	0.59	<0.05	1.2	0.47	0.50	8.8	17.6
A00307703	<2	1.7	0.29	0.52	<0.05	1.0	0.38	0.46	2.6	14.9
*Dup A00307703	<2	1.6	0.30	0.54	<0.05	1.0	0.35	0.51	2.6	15.9
*Rep A00307702	<2	1.5	0.29	0.59	<0.05	1.2	0.47	0.49	8.7	17.9
*Std CH-4	2	1.0	0.25	0.39	0.38	2.7	0.41	0.84	3.6	10.7
*Blk BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Ag AAS42E 0.3 g/t
A00307667	1.0	N.A.
A00307668	1.2	N.A.
A00307669	0.9	N.A.
A00307670	1.4	N.A.
A00307671	1.1	N.A.
A00307672	1.5	N.A.
A00307673	0.4	N.A.
A00307674	1.3	N.A.
A00307675	1.0	N.A.
A00307676	0.6	N.A.
A00307677	0.6	N.A.
A00307678	1.1	N.A.
A00307679	1.5	N.A.
A00307680	1.4	N.A.
A00307681	1.5	N.A.
A00307682	1.4	N.A.
A00307683	0.9	N.A.
A00307684	1.2	27.9
A00307685	1.4	N.A.
A00307686	1.2	N.A.
A00307687	1.0	N.A.
A00307688	1.3	N.A.
A00307689	0.4	N.A.
A00307690	1.4	N.A.
A00307691	0.6	N.A.
A00307692	0.5	N.A.
A00307693	0.6	N.A.
A00307694	1.2	N.A.
A00307695	1.8	N.A.
A00307696	1.4	N.A.
A00307697	1.1	N.A.
A00307698	1.2	N.A.
A00307699	1.4	N.A.
A00307700	1.7	N.A.
A00307701	0.8	N.A.
A00307702	1.7	N.A.
A00307703	1.4	N.A.
*Dup A00307703	1.5	N.A.
*Std MP1B		43.8
*BIK BLANK		0.3
*Rep A00307702	1.8	
*Std CH-4	1.0	
*BIK BLANK	N.A.	

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*BIK BLANK	<0.1

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Certificate of Analysis

Work Order: VC122705

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Nov 07, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE020-2012
Project No. : LENNAC
No. Of Samples : 25
Date Submitted : Oct 09, 2012
Report Comprises : Pages 1 to 7
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00249042	3.640	<5	8.07	436	4.73	73	138	5.32	1.62	27
A00249043	2.120	9	7.78	1030	4.51	46	148	5.60	3.38	22
A00249044	2.835	6	7.68	864	5.27	77	221	5.91	1.33	21
A00249045	2.520	<5	6.80	1100	2.20	18	138	4.10	3.05	11
A00249046	1.915	<5	7.74	476	3.67	19	50.4	4.86	1.11	11
A00249047	1.970	<5	7.55	1200	3.24	21	18.3	2.97	1.46	13
A00249048	3.260	<5	6.82	841	5.64	48	34.3	3.08	1.85	8
A00249049	1.890	<5	6.40	1060	1.73	23	18.2	3.22	4.97	6
A00249050	2.020	<5	6.21	2170	2.66	32	20.0	3.02	1.78	5
A00249051	2.450	<5	5.64	1060	2.22	28	34.9	2.99	3.07	8
A00249052	2.210	<5	7.18	1030	2.82	33	40.5	3.97	5.02	8
A00249053	1.915	<5	6.67	1270	4.31	31	23.0	3.43	2.74	8
A00249054	1.835	<5	6.74	1260	4.36	31	23.8	3.32	2.64	7
A00249055	1.565	<5	6.80	1580	2.41	24	21.5	3.67	3.25	11
A00249056	2.610	<5	7.59	631	4.68	65	30.8	4.67	1.26	12
A00249057	1.850	6	8.29	1380	2.13	16	422	3.90	2.23	9
A00249058	2.675	<5	7.43	1340	3.68	28	44.2	4.90	1.68	15
A00249059	2.270	<5	6.03	1060	3.09	10	27.0	3.69	0.49	70
A00249060	1.710	<5	6.97	473	2.21	11	36.3	4.56	1.02	27
A00249061	2.430	<5	6.05	1030	2.32	11	29.9	3.05	1.90	20
A00249062	2.615	7	7.70	625	3.33	12	71.0	4.26	1.82	15
A00249063	2.190	<5	7.37	1060	2.96	21	126	3.15	1.87	12
A00249064	2.295	<5	6.29	1090	3.49	16	25.6	3.05	2.08	3
A00249065	1.700	<5	6.01	880	1.37	39	19.4	3.48	4.55	4
A00249066	2.030	5	6.37	1200	2.66	34	36.4	2.94	2.43	4
*Rep A00249054		<5								
*Std AMIS0217		1280								
*Std AMIS0258		3460								
*Rep A00249046			7.59	487	3.61	20	51.9	4.73	1.08	16
*Std CH-4			6.09	469	1.73	73	1940	4.69	1.73	12
*Bik BLANK			0.08	1	0.01	3	0.6	0.02	<0.01	<1
*Bik BLANK		<5								

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00249042	2.57	1070	2.94	27.4	2280	0.15	534	0.46	238	107
A00249043	1.94	1070	2.28	23.9	2050	0.07	954	0.47	219	96
A00249044	2.73	1120	2.85	27.4	2870	0.99	900	0.55	251	101
A00249045	1.40	1080	2.91	12.6	1700	0.20	484	0.27	134	95
A00249046	2.23	1090	3.08	6.5	890	<0.01	520	0.39	190	80
A00249047	1.52	533	2.50	22.1	1040	<0.01	1020	0.36	110	66
A00249048	0.64	992	1.75	37.1	1090	0.02	650	0.37	103	62
A00249049	0.86	1140	1.93	18.5	1340	<0.01	572	0.38	105	75
A00249050	0.79	425	2.33	21.5	1230	0.10	1130	0.34	85	38
A00249051	0.49	748	2.54	15.8	1190	<0.01	851	0.38	83	68
A00249052	1.33	1360	2.19	31.4	1530	<0.01	649	0.44	113	85
A00249053	0.70	1350	2.60	18.0	1220	<0.01	743	0.38	92	70
A00249054	0.70	1290	2.48	17.7	1180	<0.01	714	0.37	89	65
A00249055	1.13	465	2.51	12.3	1130	<0.01	619	0.35	82	110
A00249056	2.83	1040	2.18	52.5	1140	<0.01	324	0.59	159	80
A00249057	1.16	882	4.06	11.6	2550	<0.01	237	0.43	148	96
A00249058	1.33	1170	3.22	14.9	1310	<0.01	232	0.51	202	148
A00249059	0.79	781	0.29	1.4	550	0.02	151	0.28	118	65
A00249060	1.38	544	2.25	3.7	640	<0.01	307	0.41	117	84
A00249061	0.67	734	2.62	6.0	1010	0.01	680	0.32	90	98
A00249062	1.30	1050	3.30	9.0	2430	<0.01	568	0.50	176	76
A00249063	1.24	600	2.58	19.3	1220	<0.01	1140	0.38	109	99
A00249064	0.68	1020	2.54	11.5	1110	0.02	892	0.32	96	80
A00249065	0.25	259	1.72	15.1	970	0.42	703	0.40	95	32
A00249066	0.35	464	2.91	26.8	1560	0.02	981	0.39	119	79
*Rep A00249046	2.17	1060	3.03	6.8	880	0.02	525	0.39	189	93
*Std CH-4	1.21	425	2.95	45.3	560	0.60	204	0.27	89	204
*Blk BLANK	<0.01	7	<0.01	0.6	<50	<0.01	3.3	<0.01	<2	7

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00249042	19.2	0.32	8	1.8	0.07	0.29	37.9	25.0	<5	18.3
A00249043	36.9	0.27	3	1.5	0.06	0.20	35.0	27.5	<5	17.5
A00249044	28.9	0.40	5	1.4	<0.04	0.30	34.0	30.3	<5	17.8
A00249045	14.9	0.42	2	1.4	<0.04	0.10	20.0	17.1	<5	15.6
A00249046	34.4	0.08	3	0.9	<0.04	0.06	29.3	24.9	<5	17.7
A00249047	116	0.07	<1	1.5	<0.04	0.08	44.0	16.2	<5	20.9
A00249048	90.8	0.12	6	1.3	<0.04	0.09	36.9	12.7	<5	19.7
A00249049	95.9	<0.02	1	1.4	<0.04	0.13	42.9	15.4	<5	20.2
A00249050	99.6	0.04	<1	1.2	<0.04	0.08	49.7	11.7	<5	17.9
A00249051	107	0.16	5	1.4	<0.04	0.11	34.7	9.9	<5	20.2
A00249052	128	0.12	9	1.4	<0.04	0.14	49.3	16.5	<5	20.8
A00249053	111	0.07	1	1.3	0.12	0.12	35.0	11.5	<5	20.5
A00249054	110	0.04	<1	1.2	0.12	0.10	35.4	11.4	<5	20.4
A00249055	77.3	0.21	3	1.3	0.06	0.07	31.7	13.7	<5	21.4
A00249056	93.7	0.06	<1	1.1	0.06	0.22	27.8	24.3	<5	18.4
A00249057	113	0.63	3	1.1	<0.04	0.04	21.7	15.9	<5	18.1
A00249058	65.6	0.17	4	0.9	<0.04	0.07	27.6	18.4	<5	17.0
A00249059	62.8	0.10	7	0.7	<0.04	0.10	17.1	10.9	<5	15.2
A00249060	123	<0.02	3	1.1	0.08	0.14	26.9	16.3	<5	19.4
A00249061	93.0	0.13	11	1.4	0.08	0.12	35.9	11.5	<5	20.8
A00249062	47.5	0.11	13	1.9	0.09	0.10	32.7	13.2	<5	23.4
A00249063	92.8	0.04	<1	1.5	0.10	0.13	43.4	14.0	<5	20.8
A00249064	106	0.03	2	1.4	0.08	0.15	42.1	10.2	<5	18.7
A00249065	90.3	0.09	3	1.1	<0.04	0.04	36.2	9.9	<5	20.3
A00249066	119	0.32	<1	1.4	0.23	0.13	34.3	14.7	<5	22.2
*Rep A00249046	35.5	0.27	7	0.9	<0.04	0.10	28.8	24.8	<5	17.6
*Std CH-4	104	1.96	9	0.8	0.58	1.00	27.9	25.0	<5	18.7
*Blk BLANK	<0.5	0.05	<1	<0.1	<0.04	<0.02	0.42	0.1	<5	0.2

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00249042	0.63	0.05	19.3	0.20	1.52	4.9	12.1	38.1	2.86	26.9
A00249043	0.63	0.05	17.9	0.20	2.19	4.8	13.7	54.8	2.03	21.9
A00249044	0.92	0.07	16.5	0.26	2.40	6.3	8.2	33.5	0.86	26.7
A00249045	0.54	0.03	9.4	0.25	0.81	2.4	9.4	50.7	0.83	12.6
A00249046	1.19	0.06	14.3	0.30	1.46	4.5	4.1	26.7	1.85	25.7
A00249047	3.03	0.04	23.4	0.20	1.65	9.9	9.1	37.7	0.18	10.2
A00249048	2.33	0.03	20.5	0.20	1.87	5.7	5.8	48.2	0.32	12.9
A00249049	2.59	0.04	20.9	0.11	0.43	7.3	6.2	135	0.19	10.2
A00249050	2.59	0.04	27.0	0.17	2.06	8.5	5.6	46.4	0.19	10.0
A00249051	2.80	0.04	16.6	0.11	1.46	7.3	8.5	69.8	0.24	7.9
A00249052	3.00	0.04	24.8	0.20	1.26	7.1	9.2	126	0.21	12.7
A00249053	2.96	0.04	17.8	0.18	2.13	7.7	7.3	56.2	0.16	9.6
A00249054	2.94	0.04	18.3	0.17	1.69	7.5	6.4	55.9	0.16	9.7
A00249055	2.34	0.03	16.0	0.14	1.82	6.1	8.1	74.0	0.23	8.5
A00249056	2.55	0.06	12.9	0.38	1.19	5.2	5.4	25.8	0.16	21.5
A00249057	2.05	0.04	9.8	0.20	1.41	10.2	3.4	38.4	0.55	8.0
A00249058	1.85	0.05	13.6	0.28	2.00	5.3	5.2	42.5	0.82	19.1
A00249059	1.65	0.04	8.1	0.24	0.67	2.8	3.8	13.5	3.46	14.5
A00249060	3.44	0.08	12.8	0.52	0.82	5.6	6.0	37.4	0.55	20.3
A00249061	2.56	0.04	18.2	0.14	2.14	7.1	12.2	54.1	0.28	6.9
A00249062	1.64	0.04	15.3	0.22	1.75	13.1	11.2	50.1	2.17	11.8
A00249063	2.64	0.05	21.9	0.15	1.29	9.3	10.6	34.7	0.09	10.7
A00249064	2.84	0.04	21.5	0.17	1.75	6.9	6.0	52.4	0.18	8.1
A00249065	2.60	0.04	19.0	0.11	3.55	7.4	8.3	81.2	0.19	8.4
A00249066	3.03	0.06	16.7	0.15	1.73	7.1	9.4	44.0	0.16	8.8
*Rep A00249046	1.18	0.06	14.2	0.31	1.09	4.5	7.7	33.4	2.01	25.2
*Std CH-4	2.74	0.12	14.1	0.16	2.23	3.7	15.4	68.9	0.62	13.0
*Blk BLANK	0.02	<0.02	0.2	<0.01	0.07	<0.1	<0.5	0.9	<0.05	0.2

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00249042	<2	1.0	0.32	0.64	0.05	4.5	0.21	1.48	0.9	17.5
A00249043	<2	1.0	0.29	0.64	0.06	4.3	0.24	1.43	0.4	17.7
A00249044	<2	0.9	0.35	0.73	0.18	2.2	0.14	0.72	0.3	19.8
A00249045	<2	0.8	0.14	0.55	0.09	1.9	0.22	0.96	0.5	16.9
A00249046	<2	0.9	0.28	0.63	<0.05	3.0	0.14	0.90	0.3	19.6
A00249047	<2	1.0	0.64	0.51	<0.05	5.2	0.15	1.94	0.5	13.7
A00249048	<2	0.5	0.34	0.54	<0.05	3.7	0.21	1.16	0.4	15.1
A00249049	<2	0.9	0.37	0.37	<0.05	4.5	0.21	1.28	0.4	8.5
A00249050	<2	0.7	0.52	0.48	<0.05	4.8	0.10	2.02	0.6	12.3
A00249051	<2	0.7	0.42	0.33	<0.05	3.7	0.19	1.31	0.4	7.1
A00249052	<2	1.1	0.42	0.55	<0.05	4.6	0.24	1.68	0.4	13.8
A00249053	<2	0.8	0.47	0.43	<0.05	4.3	0.05	1.40	0.4	11.3
A00249054	<2	0.8	0.45	0.44	<0.05	4.4	0.07	1.44	0.4	11.3
A00249055	<2	0.8	0.39	0.36	<0.05	4.3	0.06	1.56	0.4	9.3
A00249056	<2	1.0	0.33	0.74	<0.05	3.1	0.12	1.41	0.3	23.2
A00249057	<2	1.1	0.51	0.49	<0.05	2.0	0.28	0.83	0.6	13.8
A00249058	<2	0.9	0.29	0.61	<0.05	1.9	0.32	0.89	0.4	18.5
A00249059	<2	0.6	0.17	0.41	<0.05	1.6	0.09	0.89	0.6	14.1
A00249060	<2	1.3	0.32	0.84	<0.05	3.0	0.19	1.25	0.4	29.3
A00249061	<2	0.9	0.41	0.38	<0.05	5.1	0.30	2.00	0.5	9.3
A00249062	<2	1.3	0.78	0.70	<0.05	2.3	0.43	1.56	0.6	17.2
A00249063	<2	0.9	0.61	0.41	<0.05	4.7	0.06	1.53	0.4	9.8
A00249064	<2	0.7	0.45	0.44	<0.05	4.7	0.08	1.77	0.6	11.3
A00249065	<2	1.2	0.44	0.30	<0.05	3.6	0.17	1.74	0.5	6.1
A00249066	<2	1.2	0.39	0.43	<0.05	3.4	0.12	1.22	0.4	10.7
*Rep A00249046	<2	1.0	0.28	0.63	<0.05	2.9	0.17	0.88	0.3	19.8
*Std CH-4	<2	1.0	0.25	0.37	0.42	2.3	0.41	0.74	3.3	9.8
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	0.1

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Final : VC122705 Order: PROJ: /SHIPMENT: RRLE020-2012

Page 7 of 7

Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00249042	1.3
A00249043	1.4
A00249044	1.6
A00249045	1.5
A00249046	1.8
A00249047	1.2
A00249048	1.2
A00249049	0.7
A00249050	1.0
A00249051	0.6
A00249052	1.2
A00249053	1.0
A00249054	1.0
A00249055	0.8
A00249056	2.3
A00249057	1.2
A00249058	1.7
A00249059	1.5
A00249060	3.2
A00249061	0.9
A00249062	1.4
A00249063	0.9
A00249064	1.0
A00249065	0.6
A00249066	0.9
*Rep A00249046	1.8
*Std CH-4	0.9
*Blk BLANK	<0.1

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Certificate of Analysis

Work Order: VC122714

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Nov 13, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE018
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Oct 09, 2012
Report Comprises : Pages 1 to 15
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

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Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307593	6.660	13	4.36	1740	0.50	17	22.6	0.89	2.56	31
A00307594	6.605	<5	3.57	1080	0.56	15	23.6	0.86	2.52	49
A00307595	6.360	<5	3.50	710	0.45	21	18.0	0.87	2.36	39
A00307596	6.420	<5	3.61	868	0.64	11	15.4	0.74	2.60	39
A00307597	6.225	<5	3.12	567	0.73	15	11.1	0.79	1.99	52
A00307598	3.110	<5	4.45	1030	1.12	10	3.4	1.29	2.30	7
A00307599	6.325	<5	4.22	735	0.61	16	8.4	0.74	2.43	58
A00307600	6.590	<5	4.09	1240	0.68	11	11.4	0.65	3.26	33
A00307601	6.445	<5	3.67	1540	1.18	10	9.1	0.73	2.97	27
A00307602	7.030	<5	3.83	1730	0.99	8	6.8	0.74	3.04	36
A00307603	2.965	13	4.27	2020	0.60	16	9.8	0.77	2.86	36
A00307604	3.395	5	4.28	1860	0.66	9	8.5	0.88	2.87	36
A00307605	6.630	6	4.41	1860	0.42	13	65.1	0.85	3.58	28
A00307606	7.285	7	4.17	1690	0.56	12	31.7	0.89	3.00	27
A00307607	6.585	<5	4.55	1790	0.87	9	16.2	0.89	3.56	33
A00307608	6.740	<5	4.93	1800	0.62	12	18.0	0.86	3.74	38
A00307609	6.710	6	5.10	1710	0.54	10	21.9	0.87	3.96	44
A00307610	0.100	289	7.84	1510	2.29	20	1780	4.34	2.49	9
A00307611	6.845	<5	5.53	1330	0.85	10	7.9	0.85	4.46	73
A00307612	6.855	<5	5.26	1720	1.12	10	7.4	0.81	3.71	47
A00307613	6.640	25	5.40	1870	0.65	11	93.7	0.86	3.85	46
A00307614	6.710	7	5.36	1730	0.61	11	35.1	0.84	4.19	44
A00307615	6.765	13	3.53	2440	0.42	9	17.9	0.77	3.01	37
A00307616	2.995	<5	6.23	1100	1.13	13	6.1	1.44	2.35	6
A00307617	6.925	6	3.65	1550	0.55	11	87.8	0.91	3.09	20
A00307618	6.955	<5	3.96	1920	0.43	15	19.6	0.79	3.59	29
A00307619	6.390	42	4.28	1430	0.57	9	37.7	0.92	3.25	38
A00307620	6.470	12	4.30	1590	0.55	12	31.2	0.87	3.80	24
A00307621	6.230	<5	3.63	1140	0.62	8	21.4	0.77	2.81	41
A00307622	6.810	<5	2.84	1290	0.48	15	41.0	0.90	1.54	41
A00307623	6.930	6	2.57	1510	0.47	11	30.4	0.85	1.44	43
A00307624	2.965	5	2.67	1070	0.60	12	33.1	0.83	2.04	21
A00307625	3.295	7	2.64	988	0.51	11	40.7	0.80	2.02	22
A00307626	6.525	10	2.54	1390	0.62	23	45.7	1.06	1.24	47
A00307627	6.460	<5	3.27	1310	0.46	8	21.4	0.73	2.87	24
A00307628	6.670	<5	3.34	1530	0.57	12	16.2	0.74	3.32	26
A00307629	6.520	6	2.55	1070	0.49	12	18.4	0.82	2.31	28
*Dup A00307629	N.A.	<5	3.06	1080	0.51	10	21.3	0.81	2.29	27
A00307630	6.560	7	3.14	1110	0.44	11	14.8	0.89	2.00	35
A00307631	6.670	22	2.15	809	0.32	13	21.8	1.06	1.35	28
A00307632	4.040	12	1.43	374	0.26	16	24.5	0.83	0.57	33
A00307633	0.105	557	5.98	496	2.16	46	5060	4.08	0.96	13
A00307634	4.320	29	1.57	317	0.43	16	28.0	0.87	0.55	53

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307635	4.605	8	2.21	727	0.57	18	25.1	0.78	1.64	18
A00307636	3.665	<5	5.02	1190	0.99	11	3.2	1.36	2.48	6
A00307637	7.005	6	2.19	891	0.48	14	20.5	0.84	2.00	20
A00307638	6.705	17	3.25	1230	0.45	11	11.2	0.83	3.23	34
A00307639	6.575	<5	4.52	1520	0.56	10	13.7	0.50	4.35	43
A00307640	2.890	<5	4.55	1310	0.61	14	10.2	0.81	4.08	55
A00307641	3.185	<5	4.34	1410	0.71	9	9.1	0.81	4.03	58
A00307642	6.750	<5	3.91	1610	0.51	12	8.3	0.78	4.18	52
A00307643	6.790	<5	3.50	1310	0.62	11	20.8	0.82	3.30	29
A00307644	6.910	<5	3.38	898	0.94	13	9.7	0.86	2.45	29
A00307645	6.490	6	2.53	666	0.54	13	20.6	0.89	1.08	49
A00307646	0.100	319	7.58	1490	2.30	20	1780	4.25	2.51	9
A00307647	6.695	5	2.43	417	0.51	16	25.9	0.86	1.23	28
A00307648	6.525	7	2.74	383	1.26	12	24.7	0.87	1.42	34
A00307649	6.720	<5	3.71	801	1.82	15	55.5	0.97	2.48	51
A00307650	6.805	<5	4.22	1500	0.80	11	11.3	0.85	3.97	57
A00307651	3.570	<5	4.08	1150	1.00	10	1.8	1.28	2.30	6
A00307652	6.665	<5	4.95	1490	0.76	10	13.1	0.87	4.33	56
A00307653	6.805	5	4.48	1970	0.65	12	19.8	0.89	3.92	42
A00307654	6.635	8	4.05	1380	0.58	10	22.3	0.93	3.63	30
A00307655	6.870	<5	3.69	1630	0.44	10	20.9	0.91	3.76	36
A00307656	6.810	6	5.38	1730	1.16	13	7.1	0.79	5.01	74
A00307657	2.825	5	4.68	1420	0.53	12	16.3	0.86	3.88	46
A00307658	3.190	6	4.67	1360	0.53	9	16.1	0.82	3.78	33
A00307659	6.035	240	3.81	1320	0.62	16	168	1.45	3.11	20
A00307660	7.010	15	3.61	1240	0.55	10	24.0	0.80	3.65	27
A00307661	6.730	<5	3.96	2060	0.45	11	16.0	0.78	4.19	43
A00307662	6.895	<5	4.40	1590	0.46	12	11.3	0.76	4.46	32
A00307663	6.940	<5	4.70	1520	0.58	9	7.7	0.83	4.07	58
A00307664	0.100	535	5.69	503	2.08	46	4820	3.84	0.91	13
A00307665	4.800	<5	4.70	1420	0.94	12	7.6	0.87	4.90	16
A00307666	3.890	10	4.44	1330	0.97	14	9.3	1.09	4.47	22
*Dup A00307666	N.A.	<5	4.42	1290	1.01	12	7.7	0.99	3.96	25
*Rep A00307607		<5								
*Rep A00307645		7								
*Std AMIS0217		1400								
*Std AMIS0258		3450								
*Std AMIS0286		673								
*Std AMIS0217		1320								
*Blk BLANK		<5								
*Rep A00307619			4.47	1420	0.58	9	34.8	0.92	3.06	40

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*Rep A00307653	4.79	1910	0.67	13	20.1	0.88	4.04	42
*Std CH-4	6.98	459	1.74	86	1930	5.06	1.81	13
*Std CH-4	7.45	448	1.80	73	1970	5.29	1.85	13
*BIK BLANK	<0.01	<1	<0.01	2	<0.5	<0.01	<0.01	<1
*BIK BLANK	0.02	<1	<0.01	3	<0.5	<0.01	<0.01	<1

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A00307593	0.27	599	0.07	3.1	180	0.32	297	0.05	8	624
A00307594	0.20	306	0.08	2.9	240	0.15	383	0.05	9	67
A00307595	0.23	301	0.08	4.6	170	0.10	305	0.04	7	74
A00307596	0.26	315	0.09	2.2	220	0.11	378	0.05	8	238
A00307597	0.25	351	0.06	3.5	180	0.14	282	0.04	7	233
A00307598	0.30	271	3.70	3.6	310	<0.01	632	0.13	32	41
A00307599	0.30	467	0.07	3.3	230	0.08	402	0.05	8	47
A00307600	0.23	241	0.13	2.2	200	0.04	346	0.05	8	41
A00307601	0.19	215	0.13	3.7	190	0.06	259	0.05	8	25
A00307602	0.19	248	0.11	2.5	170	0.09	264	0.05	8	32
A00307603	0.27	366	0.09	3.4	220	0.10	429	0.05	8	49
A00307604	0.29	501	0.09	2.5	190	0.11	395	0.05	8	61
A00307605	0.22	265	0.10	4.1	180	0.25	323	0.05	9	300
A00307606	0.29	449	0.08	2.9	210	0.26	378	0.05	9	186
A00307607	0.37	772	0.11	3.0	230	0.18	420	0.06	10	57
A00307608	0.29	406	0.13	2.6	220	0.15	389	0.07	10	393
A00307609	0.27	282	0.13	3.0	220	0.16	356	0.06	10	185
A00307610	0.71	711	2.70	11.8	690	0.29	721	0.20	74	81
A00307611	0.28	244	0.16	2.8	220	0.05	294	0.07	10	45
A00307612	0.28	250	0.22	3.5	220	0.07	264	0.06	10	38
A00307613	0.29	295	0.16	2.2	220	0.22	337	0.07	10	694
A00307614	0.28	251	0.17	3.0	220	0.15	324	0.07	10	59
A00307615	0.20	214	0.13	3.6	220	0.10	368	0.05	9	49
A00307616	0.31	285	3.78	4.3	330	<0.01	819	0.12	31	42
A00307617	0.27	398	0.11	3.1	160	0.34	240	0.05	9	649
A00307618	0.21	244	0.14	3.7	190	0.10	366	0.05	8	137
A00307619	0.27	565	0.12	2.8	160	0.26	256	0.05	8	355
A00307620	0.24	360	0.16	3.5	150	0.20	273	0.05	8	44
A00307621	0.28	265	0.12	2.9	170	0.08	301	0.05	9	48
A00307622	0.21	274	0.06	3.5	130	0.16	227	0.04	8	39
A00307623	0.22	290	0.04	3.6	120	0.18	205	0.04	8	87
A00307624	0.20	270	0.08	3.9	130	0.12	200	0.04	9	29
A00307625	0.19	231	0.07	3.4	130	0.14	204	0.04	8	33
A00307626	0.30	480	0.03	4.1	120	0.42	196	0.04	8	205
A00307627	0.22	236	0.10	2.9	140	0.12	248	0.04	9	35
A00307628	0.21	226	0.13	3.3	160	0.07	268	0.05	9	30
A00307629	0.20	209	0.08	3.3	130	0.11	227	0.04	9	31
*Dup A00307629	0.19	222	0.09	3.2	140	0.11	243	0.04	9	35
A00307630	0.20	237	0.07	4.7	150	0.11	271	0.04	9	28
A00307631	0.13	238	0.03	3.4	100	0.26	178	0.03	7	32
A00307632	0.12	235	<0.01	4.8	80	0.10	115	0.02	5	226
A00307633	1.08	670	2.13	25.4	440	0.70	288	0.29	101	64
A00307634	0.14	311	<0.01	3.8	70	0.07	123	0.02	5	42

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A00307635	0.16	248	0.05	3.7	110	0.06	198	0.03	7	19
A00307636	0.28	271	3.59	4.1	340	<0.01	705	0.12	33	37
A00307637	0.19	254	0.06	3.1	110	0.08	178	0.03	8	21
A00307638	0.21	209	0.12	3.4	150	0.05	190	0.05	10	27
A00307639	0.28	188	0.17	1.1	220	0.03	296	0.07	12	70
A00307640	0.26	230	0.16	2.7	200	0.04	273	0.07	12	35
A00307641	0.28	220	0.17	2.9	210	0.02	270	0.06	13	34
A00307642	0.27	244	0.15	3.1	220	0.05	255	0.06	13	45
A00307643	0.30	243	0.12	3.2	210	0.07	328	0.06	13	38
A00307644	0.34	337	0.07	3.3	240	0.09	350	0.05	12	39
A00307645	0.27	328	0.02	3.2	150	0.16	260	0.04	9	85
A00307646	0.71	706	2.68	11.5	700	0.28	683	0.21	73	78
A00307647	0.26	251	0.03	4.5	120	0.15	194	0.03	9	22
A00307648	0.41	280	0.04	2.9	150	0.11	287	0.04	9	28
A00307649	0.42	649	0.09	3.3	160	0.14	278	0.05	9	32
A00307650	0.29	200	0.19	2.7	210	0.05	200	0.07	12	28
A00307651	0.28	248	3.78	4.2	330	<0.01	710	0.12	32	26
A00307652	0.28	248	0.17	2.7	210	0.06	280	0.07	12	123
A00307653	0.30	436	0.12	3.0	250	0.16	404	0.07	13	81
A00307654	0.24	256	0.12	3.4	170	0.19	314	0.06	11	30
A00307655	0.20	244	0.15	3.4	190	0.09	243	0.06	10	46
A00307656	0.23	176	0.22	3.1	230	0.03	196	0.08	12	23
A00307657	0.27	304	0.13	3.5	180	0.13	243	0.06	10	79
A00307658	0.28	280	0.12	2.8	190	0.13	233	0.06	11	85
A00307659	0.21	477	0.09	5.6	150	0.51	244	0.05	10	3160
A00307660	0.15	207	0.13	3.6	140	0.08	208	0.05	8	44
A00307661	0.17	166	0.16	3.4	160	0.05	182	0.06	11	34
A00307662	0.19	174	0.18	3.0	200	0.05	217	0.06	12	31
A00307663	0.25	235	0.14	2.8	220	0.09	311	0.07	13	64
A00307664	1.07	645	2.01	25.9	460	0.70	273	0.27	101	55
A00307665	0.23	208	0.40	3.3	210	0.04	168	0.07	13	18
A00307666	0.24	331	0.42	4.9	240	0.04	166	0.07	12	37
*Dup A00307666	0.26	353	0.42	4.8	230	0.04	168	0.08	12	32
*Rep A00307619	0.28	573	0.12	3.1	160	0.27	259	0.06	9	370
Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
*Rep A00307653	0.31	449	0.13	3.1	250	0.16	418	0.07	13	81
*Std CH-4	1.31	458	2.95	43.3	580	0.71	201	0.27	90	198
*Std CH-4	1.24	435	3.09	42.4	570	0.61	217	0.27	85	193
*Blk BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1
*Blk BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307593	21.5	0.60	8	0.4	0.12	5.52	19.0	1.7	<5	12.0
A00307594	22.2	0.48	6	0.4	0.26	0.49	20.7	1.8	<5	11.6
A00307595	17.6	0.24	5	0.3	0.05	0.51	19.1	1.8	<5	10.4
A00307596	21.5	0.50	5	0.4	0.07	2.02	20.6	1.4	<5	10.9
A00307597	18.4	0.24	6	0.4	0.08	1.95	17.7	1.6	<5	10.2
A00307598	11.5	0.03	2	1.9	0.05	0.02	10.4	3.6	<5	21.6
A00307599	22.1	0.20	5	0.4	<0.04	0.17	21.8	1.5	<5	12.3
A00307600	22.1	0.12	5	0.4	<0.04	0.19	22.1	1.8	<5	12.4
A00307601	20.1	0.11	2	0.5	<0.04	0.13	19.0	1.6	<5	11.7
A00307602	17.9	0.12	3	0.4	<0.04	0.15	19.3	1.5	<5	11.4
A00307603	19.7	0.15	4	0.4	0.24	0.21	20.9	1.6	<5	12.1
A00307604	18.7	0.15	6	0.3	<0.04	0.34	18.9	1.5	<5	11.4
A00307605	18.9	1.37	12	0.3	0.17	2.89	17.2	1.9	<5	12.6
A00307606	18.7	0.71	7	0.4	0.68	1.52	19.5	1.8	<5	12.1
A00307607	20.0	0.52	8	0.4	0.06	0.26	21.0	1.8	<5	13.9
A00307608	22.3	0.60	7	0.4	0.06	3.29	21.6	1.7	<5	14.8
A00307609	22.3	0.67	7	0.4	0.38	1.54	21.0	1.7	5	14.7
A00307610	11.7	0.63	3	1.1	0.30	0.22	30.4	8.6	<5	18.9
A00307611	24.1	0.24	6	0.5	0.14	0.15	21.5	2.2	6	15.0
A00307612	23.3	0.08	5	0.5	<0.04	0.11	20.0	1.7	<5	15.0
A00307613	22.5	3.10	19	0.5	0.31	6.92	20.1	1.6	<5	15.4
A00307614	23.0	0.20	6	0.5	0.07	0.25	19.3	1.7	<5	16.0
A00307615	17.8	0.45	7	0.3	0.05	0.36	17.2	1.6	<5	11.5
A00307616	12.0	0.03	2	2.1	<0.04	0.03	13.9	3.8	<5	21.6
A00307617	15.8	3.52	13	0.3	0.10	6.41	13.4	1.8	<5	11.1
A00307618	19.2	0.61	5	0.3	0.05	1.29	15.9	1.6	<5	12.1
A00307619	19.2	1.62	16	0.4	0.06	3.51	16.2	2.1	<5	12.8
A00307620	20.4	0.43	7	0.4	0.11	0.29	15.8	2.0	<5	12.6
A00307621	18.0	0.86	6	0.3	<0.04	0.32	15.1	1.6	<5	11.5
A00307622	10.4	0.62	7	0.3	0.12	0.35	10.0	1.8	<5	8.3
A00307623	10.0	0.85	7	0.2	0.18	0.33	8.18	1.8	<5	8.7
A00307624	9.8	0.64	5	0.2	0.11	0.21	8.06	2.2	<5	9.0
A00307625	9.9	0.63	5	0.2	0.13	0.23	7.70	2.0	<5	9.0
A00307626	9.4	1.42	10	0.2	0.74	1.79	6.91	2.8	<5	8.5
A00307627	12.7	0.51	5	0.2	0.05	0.23	9.40	1.5	<5	11.1
A00307628	13.7	0.25	5	0.3	<0.04	0.16	11.6	1.5	<5	12.1
A00307629	11.1	0.43	4	0.2	0.06	0.18	7.96	1.7	<5	10.2
*Dup A00307629	11.5	0.36	4	0.2	0.07	0.17	8.78	1.7	<5	10.5
A00307630	12.5	0.40	5	0.2	0.08	0.13	9.13	1.9	<5	10.3
A00307631	8.7	1.86	5	0.2	1.13	0.30	6.02	3.7	<5	8.1
A00307632	6.1	1.05	4	0.2	0.08	2.24	3.63	1.6	<5	6.1
A00307633	35.5	1.00	6	0.8	0.24	0.39	19.7	14.6	<5	13.1
A00307634	5.8	1.15	6	0.2	<0.04	0.42	4.33	1.6	<5	6.4

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307635	8.3	0.42	5	0.2	0.04	0.14	6.11	1.4	<5	8.5
A00307636	13.2	<0.02	2	1.8	<0.04	<0.02	12.6	3.6	<5	21.8
A00307637	8.7	0.51	4	0.2	<0.04	0.17	6.85	1.5	<5	9.3
A00307638	14.0	0.21	3	0.3	<0.04	0.15	11.7	1.6	<5	12.5
A00307639	21.8	0.84	4	0.3	<0.04	0.58	17.8	1.0	<5	16.3
A00307640	20.1	0.07	5	0.4	<0.04	0.12	17.2	1.7	<5	15.7
A00307641	20.9	0.07	4	0.4	<0.04	0.12	17.0	1.7	<5	15.4
A00307642	21.6	0.14	5	0.4	<0.04	0.24	17.1	1.6	<5	16.1
A00307643	18.7	0.07	4	0.3	<0.04	0.12	14.8	1.7	<5	14.3
A00307644	14.7	0.12	6	0.3	0.05	0.15	13.2	1.7	<5	12.1
A00307645	10.9	0.36	8	0.2	0.08	0.72	9.02	1.7	<5	9.3
A00307646	11.6	0.64	3	1.3	0.29	0.21	28.4	8.4	<5	19.2
A00307647	9.9	0.37	6	0.2	0.07	0.14	8.40	1.7	<5	8.7
A00307648	11.3	0.28	7	0.3	0.07	0.16	10.4	1.5	<5	9.9
A00307649	16.2	0.25	4	0.4	0.07	0.19	15.0	1.8	<5	11.7
A00307650	25.0	0.11	5	0.5	0.04	0.15	19.0	1.9	<5	15.2
A00307651	13.0	<0.02	<1	1.7	<0.04	<0.02	10.1	3.3	<5	20.2
A00307652	27.6	0.21	5	0.4	0.05	1.15	20.0	1.8	<5	14.1
A00307653	25.2	0.86	6	0.4	0.05	0.74	19.6	1.8	<5	15.0
A00307654	19.7	0.50	5	0.4	0.24	0.20	14.3	2.4	<5	13.5
A00307655	26.4	0.61	5	0.4	0.05	0.40	16.7	1.8	<5	13.8
A00307656	29.5	0.05	4	0.6	<0.04	0.08	21.8	1.7	<5	16.3
A00307657	21.2	0.46	6	0.4	0.06	0.75	15.4	2.1	<5	14.1
A00307658	21.8	0.45	6	0.4	0.06	0.81	15.7	2.0	<5	14.4
A00307659	16.7	>10.0	36	0.3	0.12	34.7	11.5	2.9	<5	12.5
A00307660	18.3	0.34	4	0.3	0.09	0.35	12.6	1.7	<5	12.6
A00307661	19.0	0.32	4	0.3	<0.04	0.20	13.2	1.6	<5	14.9
A00307662	20.3	0.13	3	0.4	<0.04	0.15	15.6	2.4	<5	16.0
A00307663	21.6	0.25	4	0.4	<0.04	0.48	17.3	2.0	<5	16.0
A00307664	37.2	1.05	6	0.7	0.11	0.31	19.7	14.0	<5	13.0
A00307665	20.2	0.08	2	0.5	0.04	0.07	15.5	1.8	<5	16.1
A00307666	21.8	0.14	3	0.4	<0.04	0.27	16.1	2.4	<5	14.9
*Dup A00307666	21.6	0.14	2	0.5	<0.04	0.24	15.7	2.3	<5	15.6
*Rep A00307619	20.0	1.63	17	0.4	0.06	3.61	16.6	2.2	<5	12.9
Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
*Rep A00307653	23.6	0.81	6	0.4	0.06	0.65	19.3	1.8	<5	14.7
*Std CH-4	107	2.08	8	0.8	0.53	1.08	33.1	25.5	<5	19.0
*Std CH-4	108	1.95	8	0.9	0.45	1.06	29.8	23.0	<5	18.4
*Blk BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1
*Blk BLANK	<0.5	0.04	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00307593	0.82	0.03	9.3	0.08	4.78	5.3	107	59.1	19.9	1.2
A00307594	0.85	<0.02	10.4	0.07	4.46	5.4	28.5	55.1	18.9	1.0
A00307595	0.67	<0.02	9.9	0.06	5.32	4.2	17.2	51.4	10.7	0.9
A00307596	0.81	<0.02	10.4	0.07	3.20	5.1	62.7	56.9	15.3	1.1
A00307597	0.70	<0.02	8.9	0.06	3.92	4.4	28.0	45.0	11.0	0.9
A00307598	0.64	0.02	4.5	0.07	1.74	3.4	11.1	21.4	0.38	1.7
A00307599	0.86	<0.02	10.6	0.07	3.82	5.2	16.2	52.6	10.8	1.2
A00307600	0.86	<0.02	10.9	0.07	3.35	5.6	17.3	65.6	9.17	1.2
A00307601	0.75	<0.02	9.5	0.07	3.57	5.1	6.5	58.0	4.72	1.0
A00307602	0.69	<0.02	9.5	0.07	3.32	5.1	7.9	57.6	6.78	1.4
A00307603	0.71	<0.02	10.6	0.07	3.45	4.9	15.8	59.3	12.1	1.4
A00307604	0.71	<0.02	9.6	0.06	3.54	5.1	24.8	56.3	14.3	1.0
A00307605	0.70	<0.02	8.4	0.07	4.05	4.8	160	66.0	41.5	1.1
A00307606	0.71	<0.02	9.5	0.07	4.21	4.8	75.8	62.4	18.5	1.1
A00307607	0.73	<0.02	10.5	0.07	3.44	5.5	18.3	72.7	20.1	1.2
A00307608	0.85	<0.02	10.9	0.08	4.02	6.0	129	79.3	20.9	1.4
A00307609	0.83	<0.02	10.4	0.08	3.40	5.2	84.9	82.1	21.3	1.3
A00307610	0.38	0.08	16.5	0.14	159	6.8	13.9	68.1	0.58	6.4
A00307611	0.93	<0.02	11.1	0.08	3.53	5.9	25.7	85.7	17.2	1.4
A00307612	0.84	<0.02	9.8	0.07	3.44	5.6	5.8	77.3	11.5	1.3
A00307613	0.84	0.03	10.1	0.07	3.68	6.0	580	85.7	54.6	1.4
A00307614	0.86	<0.02	9.6	0.08	3.79	5.7	20.4	86.1	16.5	1.5
A00307615	0.66	<0.02	8.1	0.06	3.58	4.9	40.6	61.3	23.8	0.9
A00307616	0.66	<0.02	6.3	0.08	2.66	3.5	12.0	33.2	0.48	2.4
A00307617	0.59	<0.02	6.0	0.05	4.56	4.6	334	56.8	58.4	0.8
A00307618	0.73	<0.02	7.3	0.06	4.13	5.3	94.9	62.7	17.2	1.0
A00307619	0.75	<0.02	7.5	0.07	4.30	5.5	380	70.2	28.7	1.1
A00307620	0.81	<0.02	7.4	0.07	6.11	5.9	73.2	71.1	18.7	1.2
A00307621	0.70	<0.02	7.2	0.06	3.25	4.9	42.0	58.9	24.0	1.0
A00307622	0.38	<0.02	4.7	0.04	4.31	3.2	11.1	34.9	29.6	1.0
A00307623	0.38	<0.02	3.4	0.05	3.67	3.3	41.7	32.3	27.0	0.6
A00307624	0.35	<0.02	3.4	0.04	4.35	3.3	12.8	38.1	17.8	0.9
A00307625	0.35	<0.02	3.2	0.04	4.63	3.3	14.1	37.2	18.6	0.8
A00307626	0.32	<0.02	2.8	0.04	4.35	3.1	269	28.6	24.3	0.6
A00307627	0.48	<0.02	3.8	0.04	3.25	4.0	20.0	49.0	14.2	0.7
A00307628	0.52	<0.02	5.0	0.05	3.94	4.5	11.0	58.0	11.2	0.8
A00307629	0.39	<0.02	3.3	0.04	3.84	3.6	11.3	38.9	11.7	0.6
*Dup A00307629	0.42	<0.02	3.6	0.04	4.09	3.8	10.3	41.5	11.8	0.8
A00307630	0.45	<0.02	4.0	0.04	4.60	3.7	16.1	35.9	9.85	1.0
A00307631	0.31	<0.02	2.5	0.03	5.13	3.0	114	25.7	16.7	0.4
A00307632	0.23	<0.02	1.5	0.02	4.68	2.1	40.3	18.0	15.0	0.3
A00307633	1.09	0.08	9.4	0.21	351	4.1	7.4	26.4	1.43	13.5
A00307634	0.21	<0.02	1.8	0.02	5.18	2.3	39.2	17.0	21.6	0.3

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00307635	0.31	<0.02	2.5	0.03	3.91	3.0	8.9	30.8	11.6	0.5
A00307636	0.69	<0.02	5.8	0.07	2.40	3.6	10.2	30.8	0.42	2.2
A00307637	0.33	<0.02	2.8	0.03	4.29	3.3	12.0	34.5	10.9	0.5
A00307638	0.55	<0.02	5.1	0.05	4.40	4.8	11.8	57.0	8.35	0.8
A00307639	0.85	<0.02	8.0	0.07	2.97	6.1	23.3	83.3	12.3	1.2
A00307640	0.80	<0.02	7.6	0.07	4.39	5.7	8.6	76.8	9.70	1.3
A00307641	0.79	<0.02	7.6	0.07	4.04	5.9	9.1	77.7	9.32	1.1
A00307642	0.84	<0.02	7.7	0.07	4.41	6.1	18.3	78.7	9.44	1.0
A00307643	0.73	<0.02	6.4	0.06	5.01	5.6	11.1	62.7	6.20	1.1
A00307644	0.58	<0.02	5.8	0.06	4.45	4.6	15.6	49.1	10.6	0.8
A00307645	0.41	<0.02	3.9	0.04	5.00	3.6	45.9	28.2	13.0	0.6
A00307646	0.40	0.07	15.0	0.14	145	6.9	15.1	66.5	0.59	6.5
A00307647	0.37	<0.02	3.6	0.03	5.32	3.2	28.3	27.4	11.7	0.6
A00307648	0.44	<0.02	4.6	0.04	4.73	3.9	12.3	30.4	11.7	0.6
A00307649	0.59	<0.02	7.1	0.06	226	4.6	9.2	47.6	15.0	0.9
A00307650	0.96	<0.02	9.0	0.08	4.23	6.6	5.8	76.1	9.92	1.1
A00307651	0.65	<0.02	5.4	0.06	2.21	3.2	7.9	30.8	0.42	1.7
A00307652	0.98	<0.02	9.5	0.08	4.09	6.6	17.3	76.6	11.9	1.2
A00307653	0.92	<0.02	9.1	0.08	5.23	6.2	42.1	73.1	19.5	1.2
A00307654	0.73	<0.02	6.5	0.06	6.23	5.1	17.1	63.1	13.2	1.0
A00307655	0.98	<0.02	7.7	0.08	5.40	6.4	25.3	69.8	14.9	1.0
A00307656	1.07	<0.02	10.5	0.09	3.72	6.9	5.9	85.8	5.89	1.5
A00307657	0.78	<0.02	7.1	0.06	5.78	5.7	32.7	71.7	13.0	1.0
A00307658	0.79	<0.02	7.1	0.06	4.22	5.6	35.8	73.8	12.9	1.0
A00307659	0.60	<0.02	5.2	0.05	8.91	4.9	2480	57.9	88.1	0.8
A00307660	0.70	<0.02	5.6	0.05	8.41	4.8	20.9	61.6	11.9	0.9
A00307661	0.70	<0.02	5.6	0.06	5.17	5.6	11.4	69.8	11.3	1.0
A00307662	0.72	<0.02	6.9	0.07	7.16	5.4	11.8	78.7	11.5	1.4
A00307663	0.81	<0.02	7.8	0.07	16.2	5.8	68.2	75.4	14.9	1.2
A00307664	1.06	0.08	9.5	0.21	334	3.9	7.0	25.8	1.42	13.5
A00307665	0.72	<0.02	6.4	0.07	4.40	5.5	6.1	76.6	1.98	1.4
A00307666	0.74	<0.02	6.9	0.08	6.72	5.6	17.1	70.1	2.24	1.2
*Dup A00307666	0.76	<0.02	6.8	0.08	5.83	5.4	14.1	64.6	2.34	1.3
*Rep A00307619	0.79	<0.02	7.6	0.07	3.98	5.6	384	70.1	29.3	1.1
Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
*Rep A00307653	0.88	<0.02	8.8	0.07	5.52	6.0	43.1	71.5	18.7	1.2
*Std CH-4	3.08	0.12	16.6	0.17	3.03	3.7	15.7	78.8	0.75	13.5
*Std CH-4	3.00	0.12	14.3	0.17	2.31	3.6	16.5	77.6	0.77	12.6
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	0.06	<0.1	<0.5	<0.2	<0.05	<0.1
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	0.08	<0.1	0.9	<0.2	0.07	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307593	<2	0.6	0.40	0.17	<0.05	4.3	0.69	1.52	2.0	4.1
A00307594	<2	0.6	0.41	0.17	<0.05	4.4	0.63	1.30	1.9	3.7
A00307595	<2	0.5	0.31	0.14	<0.05	3.6	0.50	1.02	1.2	3.4
A00307596	<2	0.5	0.39	0.17	<0.05	4.3	0.59	1.21	2.0	3.9
A00307597	<2	0.5	0.33	0.14	<0.05	3.6	0.49	0.99	2.0	3.4
A00307598	<2	0.7	0.18	0.13	<0.05	1.8	0.25	0.74	0.1	3.1
A00307599	<2	0.4	0.40	0.17	<0.05	4.6	0.59	1.20	2.6	3.9
A00307600	<2	0.4	0.41	0.17	<0.05	4.7	0.61	1.26	2.5	3.9
A00307601	<2	0.5	0.35	0.14	<0.05	3.9	0.48	1.31	1.3	3.9
A00307602	<2	0.5	0.35	0.15	<0.05	3.8	0.52	1.24	1.4	3.6
A00307603	<2	0.5	0.36	0.16	<0.05	4.3	0.63	1.06	2.1	3.5
A00307604	<2	0.4	0.35	0.14	<0.05	4.1	0.61	1.13	2.2	3.4
A00307605	<2	0.6	0.37	0.15	0.06	4.2	0.65	1.09	1.9	3.5
A00307606	<2	0.5	0.36	0.16	<0.05	4.2	0.69	1.44	2.0	3.7
A00307607	<2	0.5	0.39	0.16	<0.05	4.4	0.76	1.18	3.4	4.0
A00307608	<2	0.6	0.43	0.17	<0.05	4.7	0.87	1.24	4.2	4.2
A00307609	<2	0.5	0.39	0.17	0.06	4.8	0.82	1.19	3.1	4.2
A00307610	<2	2.6	0.33	0.32	0.16	5.0	0.46	0.99	1.2	9.3
A00307611	<2	0.5	0.44	0.17	0.09	4.9	0.87	1.20	4.5	4.3
A00307612	<2	0.5	0.42	0.16	<0.05	4.8	0.76	1.25	3.3	4.2
A00307613	<2	0.7	0.43	0.17	0.20	5.0	0.95	1.38	5.2	4.2
A00307614	<2	0.5	0.43	0.18	<0.05	4.8	0.94	1.20	4.0	4.3
A00307615	<2	0.5	0.34	0.15	<0.05	3.8	0.59	1.02	3.2	3.2
A00307616	<2	0.7	0.19	0.15	<0.05	2.8	0.24	1.24	0.2	3.9
A00307617	<2	0.6	0.32	0.12	0.12	3.4	0.59	0.97	1.9	2.9
A00307618	<2	0.5	0.37	0.15	<0.05	3.9	0.58	1.11	1.8	3.4
A00307619	<2	0.9	0.42	0.15	0.09	4.3	0.72	1.37	2.7	3.7
A00307620	<2	0.5	0.48	0.15	<0.05	4.7	0.68	1.33	1.8	3.8
A00307621	<2	0.5	0.35	0.14	<0.05	3.4	0.57	1.19	1.7	3.4
A00307622	<2	0.4	0.20	0.10	0.05	2.2	0.36	0.74	1.2	2.6
A00307623	<2	0.6	0.20	0.09	<0.05	2.0	0.37	0.66	1.6	2.4
A00307624	<2	0.5	0.20	0.08	<0.05	2.0	0.38	0.61	1.0	2.3
A00307625	<2	0.5	0.20	0.08	0.07	1.9	0.37	0.57	1.0	2.2
A00307626	<2	0.5	0.17	0.08	0.08	1.8	0.37	0.65	1.5	2.2
A00307627	<2	0.6	0.25	0.10	<0.05	2.7	0.49	0.85	1.3	2.4
A00307628	<2	0.5	0.28	0.12	<0.05	3.0	0.54	0.88	1.4	2.8
A00307629	<2	0.5	0.22	0.09	<0.05	2.2	0.37	0.68	1.2	2.2
*Dup A00307629	<2	0.5	0.23	0.09	<0.05	2.3	0.38	0.73	1.2	2.4
A00307630	<2	0.5	0.23	0.10	<0.05	2.4	0.37	0.70	1.1	2.4
A00307631	<2	0.4	0.17	0.07	0.27	1.8	0.29	0.45	1.2	1.8
A00307632	<2	0.4	0.11	<0.05	<0.05	1.2	0.22	0.33	1.1	1.2
A00307633	<2	1.5	0.27	0.46	0.15	2.1	0.24	0.85	22.9	14.3
A00307634	<2	0.4	0.10	<0.05	<0.05	1.2	0.22	0.35	1.2	1.3

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307635	<2	0.4	0.16	0.07	<0.05	1.9	0.30	0.50	1.0	1.7
A00307636	<2	0.7	0.18	0.14	<0.05	1.8	0.28	0.81	0.1	3.4
A00307637	<2	0.5	0.19	0.07	<0.05	1.9	0.34	0.59	1.0	1.8
A00307638	<2	0.5	0.30	0.11	<0.05	3.1	0.50	0.87	1.2	2.7
A00307639	<2	0.7	0.40	0.16	<0.05	4.4	0.70	1.26	3.5	3.7
A00307640	<2	0.6	0.38	0.16	<0.05	3.9	0.70	1.10	2.8	3.8
A00307641	<2	0.7	0.38	0.16	<0.05	3.9	0.68	1.05	2.7	4.0
A00307642	<2	0.7	0.40	0.16	<0.05	4.1	0.73	1.09	3.1	3.9
A00307643	<2	0.7	0.36	0.15	<0.05	3.5	0.59	1.03	2.1	3.4
A00307644	<2	0.6	0.30	0.14	<0.05	3.5	0.49	1.03	1.7	3.3
A00307645	<2	0.5	0.20	0.10	<0.05	2.2	0.33	0.73	1.3	2.2
A00307646	<2	2.7	0.34	0.32	0.17	4.9	0.44	0.95	0.5	9.3
A00307647	<2	0.5	0.18	0.09	<0.05	2.0	0.30	0.62	1.6	2.1
A00307648	<2	0.5	0.22	0.10	<0.05	2.2	0.34	0.89	1.8	2.3
A00307649	<2	0.6	0.29	0.14	0.11	3.0	0.47	1.29	2.3	3.9
A00307650	<2	0.7	0.45	0.16	<0.05	4.5	0.64	1.32	3.0	4.2
A00307651	<2	0.7	0.16	0.12	<0.05	2.9	0.22	0.53	0.1	3.0
A00307652	<2	0.6	0.47	0.18	<0.05	4.6	0.70	1.33	3.6	4.6
A00307653	<2	0.6	0.44	0.18	<0.05	4.4	0.76	1.35	3.8	4.2
A00307654	<2	0.6	0.36	0.13	0.10	3.6	0.60	1.16	2.6	3.2
A00307655	<2	0.6	0.46	0.15	<0.05	4.5	0.66	1.54	2.9	3.8
A00307656	<2	0.7	0.49	0.19	<0.05	5.0	0.71	1.64	1.7	5.0
A00307657	<2	0.6	0.38	0.14	<0.05	3.9	0.69	1.13	3.1	3.5
A00307658	<2	0.6	0.39	0.14	<0.05	3.9	0.71	1.19	3.0	3.6
A00307659	<2	0.7	0.30	0.11	2.39	3.0	0.58	1.12	2.1	2.8
A00307660	<2	0.6	0.33	0.12	<0.05	3.3	0.52	1.15	1.4	3.0
A00307661	<2	0.6	0.37	0.13	<0.05	3.5	0.56	1.21	1.2	3.3
A00307662	<2	0.7	0.37	0.14	<0.05	3.9	0.60	1.25	1.6	3.5
A00307663	<2	0.7	0.40	0.16	<0.05	4.2	0.67	1.35	2.8	3.8
A00307664	<2	1.4	0.25	0.46	0.21	2.0	0.22	0.80	22.0	14.0
A00307665	<2	0.8	0.36	0.15	<0.05	3.8	0.44	1.38	0.7	4.0
A00307666	<2	0.7	0.37	0.16	<0.05	3.7	0.42	1.53	0.9	4.5
*Dup A00307666	<2	0.8	0.37	0.16	<0.05	3.6	0.44	1.50	0.9	4.4
*Rep A00307619	<2	0.6	0.43	0.15	0.09	4.4	0.74	1.40	2.8	3.7
Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
*Rep A00307653	<2	0.6	0.41	0.18	<0.05	4.3	0.74	1.35	3.7	3.9
*Std CH-4	2	1.0	0.26	0.39	0.47	2.5	0.39	0.77	3.6	10.5
*Std CH-4	2	1.0	0.29	0.37	0.38	2.5	0.40	0.80	2.9	10.4
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Ag AAS42E 0.3 g/t
A00307593	0.4	N.A.
A00307594	0.4	N.A.
A00307595	0.3	N.A.
A00307596	0.4	N.A.
A00307597	0.3	N.A.
A00307598	0.4	N.A.
A00307599	0.4	N.A.
A00307600	0.4	N.A.
A00307601	0.4	N.A.
A00307602	0.4	N.A.
A00307603	0.4	N.A.
A00307604	0.4	N.A.
A00307605	0.4	N.A.
A00307606	0.4	N.A.
A00307607	0.4	N.A.
A00307608	0.4	N.A.
A00307609	0.4	N.A.
A00307610	0.9	N.A.
A00307611	0.5	N.A.
A00307612	0.4	N.A.
A00307613	0.4	N.A.
A00307614	0.4	N.A.
A00307615	0.3	N.A.
A00307616	0.4	N.A.
A00307617	0.3	N.A.
A00307618	0.4	N.A.
A00307619	0.4	N.A.
A00307620	0.4	N.A.
A00307621	0.4	N.A.
A00307622	0.3	N.A.
A00307623	0.2	N.A.
A00307624	0.2	N.A.
A00307625	0.2	N.A.
A00307626	0.2	N.A.
A00307627	0.3	N.A.
A00307628	0.3	N.A.
A00307629	0.2	N.A.
*Dup A00307629	0.2	N.A.
A00307630	0.3	N.A.
A00307631	0.2	N.A.
A00307632	0.1	N.A.
A00307633	1.4	N.A.
A00307634	0.1	N.A.

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Ag AAS42E 0.3 g/t
A00307635	0.2	N.A.
A00307636	0.4	N.A.
A00307637	0.2	N.A.
A00307638	0.3	N.A.
A00307639	0.4	N.A.
A00307640	0.4	N.A.
A00307641	0.4	N.A.
A00307642	0.4	N.A.
A00307643	0.3	N.A.
A00307644	0.3	N.A.
A00307645	0.2	N.A.
A00307646	0.9	N.A.
A00307647	0.2	N.A.
A00307648	0.2	N.A.
A00307649	0.4	N.A.
A00307650	0.4	N.A.
A00307651	0.3	N.A.
A00307652	0.5	N.A.
A00307653	0.4	N.A.
A00307654	0.3	N.A.
A00307655	0.4	N.A.
A00307656	0.5	N.A.
A00307657	0.4	N.A.
A00307658	0.4	N.A.
A00307659	0.3	107
A00307660	0.3	N.A.
A00307661	0.3	N.A.
A00307662	0.4	N.A.
A00307663	0.4	N.A.
A00307664	1.3	N.A.
A00307665	0.4	N.A.
A00307666	0.5	N.A.
*Dup A00307666	0.5	N.A.
*Std CCU1C		123
*Blk BLANK		<0.3
*Rep A00307619	0.4	

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*Rep A00307653	0.4
*Std CH-4	1.1
*Std CH-4	1.1
*BIK BLANK	<0.1
*BIK BLANK	<0.1

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Appendix 9: RC Sample List

Table 14: RC Drill Assay Interval

Sample ID	Hole ID	From	To	QC Sample
A00309501	LLRC-12-001	13.5	15	
A00309502	LLRC-12-001			CM-16 Standard
A00309503	LLRC-12-001	15	16.5	
A00309504	LLRC-12-001	16.5	18	
A00309505	LLRC-12-002	7.5	9	
A00309506	LLRC-12-002	9	10.5	
A00309507	LLRC-12-003	10.5	12	
A00309508	LLRC-12-003	9	10.5	
A00309509	LLRC-12-003	10.5	12	
A00309510	LLRC-12-003	10.5	12	Duplicate of previous
A00309511	LLRC-12-003	12	13.5	
A00309512	LLRC-12-003	13.5	15	
A00309513	LLRC-12-004	18	19.5	
A00309514	LLRC-12-005	25.5	27	
A00309515	LLRC-12-006	28.5	30	
A00309516	LLRC-12-007	0	1.5	
A00309517	LLRC-12-007	1.5	3	
A00309518	LLRC-12-007	3	4.5	
A00309519	LLRC-12-007	4.5	6	
A00309520	LLRC-12-008	6	7.5	
A00309521				Blank
A00309522	LLRC-12-008	7.5	9	
A00309523	LLRC-12-008	9	10.5	
A00309524	LLRC-12-008	10.5	12	
A00309525	LLRC-12-008	12	13.5	
A00309526	LLRC-12-008	13.5	15	
A00309527	LLRC-12-008	15	16.5	
A00309528	LLRC-12-009	15	16.5	
A00309529	LLRC-12-009	16.5	18	
A00309530	LLRC-12-009	18	19.5	
A00309531	LLRC-12-010	25.5	27	
A00309532				CM-16 Standard
A00309533	LLRC-12-010	27	28.5	
A00309534	LLRC-12-010	28.5	30	
A00309535	LLRC-12-011	25.5	27	
A00309536	LLRC-12-011	27	28.5	
A00309537	LLRC-12-011	28.5	30	
A00309538	LLRC-12-012	19.5	21	
A00309539	LLRC-12-012	21	22.5	
A00309540	LLRC-12-012	22.5	24	
A00309541	LLRC-12-012	24	25.5	
A00309542	LLRC-12-012	24	25.5	Duplicate of previous
A00309543	LLRC-12-012	25.5	27	
A00309544	LLRC-12-013	7.5	9	
A00309545	LLRC-12-013	9	10.5	
A00309546	LLRC-12-013	10.5	12	
A00309547	LLRC-12-013	12	13.5	
A00309548	LLRC-12-013	13.5	15	
A00309549	LLRC-12-014	12	13.5	
A00309550	LLRC-12-014	13.5	15	

Sample ID	Hole ID	From	To	QC Sample
A00309551				CM-16 Standard
A00309552	LLRC-12-014	15	16.5	
A00309553	LLRC-12-014	16.5	18	
A00309554	LLRC-12-015	4.5	6	
A00309555	LLRC-12-015	6	7.5	
A00309556	LLRC-12-015	7.5	9	
A00309557				Blank
A00309558	LLRC-12-015	9	10.5	
A00309559	LLRC-12-016	0	1.5	
A00309560	LLRC-12-016	1.5	3	
A00309561	LLRC-12-016	3	4.5	
A00309562	LLRC-12-016	4.5	6	
A00309563	LLRC-12-016	6	7.5	
A00309564	LLRC-12-017	1.5	3	
A00309565	LLRC-12-017	3	4.5	
A00309566	LLRC-12-017	4.5	6	
A00309567	LLRC-12-017	6	7.5	
A00309568	LLRC-12-018	6	7.5	
A00309569	LLRC-12-018	7.5	9	
A00309570	LLRC-12-018	9	10.5	
A00309571				CM-16 Standard
A00309572	LLRC-12-018	10.5	12	
A00309573	LLRC-12-019	9	10.5	
A00309574	LLRC-12-019	10.5	12	
A00309575	LLRC-12-019	12	13.5	
A00309576	LLRC-12-019	13.5	15	
A00309577	LLRC-12-019	15	16.5	
A00309578	LLRC-12-020	4.5	6	
A00309579				CM-16 Standard
A00309580	LLRC-12-020	6	7.5	
A00309581	LLRC-12-020	7.5	9	
A00309582	LLRC-12-021	15	16.5	
A00309583	LLRC-12-021	16.5	18	
A00309584	LLRC-12-021	18	19.5	
A00309585				Blank
A00309586	LLRC-12-021	19.5	21	
A00309587	LLRC-12-022	1.5	3	
A00309588	LLRC-12-022	3	4.5	
A00309589	LLRC-12-022	4.5	6	
A00309590	LLRC-12-022	6	7.5	
A00309591	LLRC-12-023	3	4.5	
A00309592	LLRC-12-023	4.5	6	
A00309593	LLRC-12-023	6	7.5	
A00309594	LLRC-12-023	6	7.5	Duplicate of previous
A00309595	LLRC-12-023	7.5	9	
A00309596	LLRC-12-23	9	10.5	
A00309597	LLRC-12-024	1.5	3	
A00309598	LLRC-12-024	3	4.5	
A00309599	LLRC-12-024	4.5	6	
A00309600	LLRC-12-024	6	7.5	
A00309601	LLRC-12-025	3	4.5	
A00309602	LLRC-12-025	4.5	6	

Sample ID	Hole ID	From	To	QC Sample
A00309603	LLRC-12-025	6	7.5	
A00309604	LLRC-12-025	7.5	9	
A00309605	LLRC-12-025	9	10.5	
A00309606	LLRC-12-025	10.5	12	
A00309607				Blank
A00309608	LLRC-12-026	0	1.5	
A00309609	LLRC-12-026	1.5	3	
A00309610	LLRC-12-026	3	4.5	
A00309611	LLRC-12-026	4.5	6	
A00309612	LLRC-12-027	1.5	3	
A00309613	LLRC-12-027	3	4.5	
A00309614	LLRC-12-027	4.5	6	
A00309615	LLRC-12-028	12	13.5	
A00309616				CM-16 Standard
A00309617	LLRC-12-028	13.5	15	
A00309618	LLRC-12-028	15	16.5	
A00309619	LLRC-12-029	3	4.5	
A00309620	LLRC-12-029	4.5	6	
A00309621	LLRC-12-029	6	7.5	
A00309622	LLRC-12-029	7.5	9	
A00309623	LLRC-12-030	1.5	3	
A00309624	LLRC-12-030	3	4.5	
A00309625	LLRC-12-030	4.5	6	
A00309626	LLRC-12-030	6	7.5	
A00309627	LLRC-12-031	3	4.5	
A00309628				CM-16 Standard
A00309629	LLRC-12-031	4.5	6	
A00309630	LLRC-12-031	6	7.5	
A00309631				Blank
A00309632	LLRC-12-032	25.5	27	
A00309633	LLRC-12-032	27	28.5	
A00309634	LLRC-12-032	27	28.5	Duplicate of previous
A00309635	LLRC-12-032	28.5	30	
A00309636	LLRC-12-032	30	31.5	
A00309637				CM-21 Standard
A00309638	LLRC-12-033	15	16.5	
A00309639	LLRC-12-033	16.5	18	
A00309640	LLRC-12-033	16.5	18	Duplicate of previous
A00309641	LLRC-12-033	18	19.5	
A00309642	LLRC-12-033	19.5	21	
A00309643				Blank
A00309644	LLRC-12-034	7.5	9	
A00309645	LLRC-12-034	9	10.5	
A00309646				CM-16 Standard
A00309647	LLRC-12-034	10.5	12	
A00309648	LLRC-12-035	1.5	3	
A00309649	LLRC-12-035	3	4.5	
A00309650	LLRC-12-035	5	6	
A00309651				Blank
A00309652	LLRC-12-035	5	7.5	
A00309653	LLRC-12-036	0	1.5	
A00309654	LLRC-12-036	1.5	3	

Sample ID	Hole ID	From	To	QC Sample
A00309655	LLRC-12-036	3	4.5	
A00309656	LLRC-12-037	4.5	6	
A00309657	LLRC-12-037	6	7.5	
A00309658	LLRC-12-037	6	7.5	Duplicate of previous
A00309659	LLRC-12-037	7.5	9	
A00309660	LLRC-12-038	1.5	3	
A00309661	LLRC-12-038	3	4.5	
A00309662	LLRC-12-038	4.5	6	
A00309663	LLRC-12-038	6	7.5	
A00309664	LLRC-12-039	13.5	15	
A00309665	LLRC-12-039	15	16.5	
A00309666	LLRC-12-039	16.5	18	
A00309667				CM-16
A00309668	LLRC-12-040	28.5	30	
A00309669	LLRC-12-040	30	31.5	
A00309670	LLRC-12-040	31.5	33	
A00309671	LLRC-12-040	31.5	33	Duplicate of previous
A00309672	LLRC-12-041	25.5	27	
A00309673	LLRC-12-041	27	28.5	
A00309674	LLRC-12-041	28.5	30	
A00309675	LLRC-12-042	12	13.5	
A00309676				Blank
A00309677	LLRC-12-042	13.5	15	
A00309678	LLRC-12-042	15	16.5	
A00309679	LLRC-12-043	19.5	21	
A00309680	LLRC-12-043	21	22.5	
A00309681				CM-16
A00309682	LLRC-12-043	22.5	24	
A00309683	LLRC-12-044	24	25.5	
A00309684	LLRC-12-044	25.5	27	
A00309685	LLRC-12-044	27	28.5	
A00309686	LLRC-12-045	16.5	18	
A00309687	LLRC-12-045	18	19.5	
A00309688	LLRC-12-045	19.5	21	
A00309689	LLRC-12-045	19.5	21	Duplicate of previous
A00309690	LLRC-12-046	19.5	21	
A00309691	LLRC-12-046	21	22.5	
A00309692	LLRC-12-046	22.5	24	
A00309693	LLRC-12-047	6	7.5	
A00309694	LLRC-12-047	7.5	9	
A00309695	LLRC-12-047	9	10.5	
A00309696	LLRC-12-047	10.5	12	
A00309697	LLRC-12-047	10.5	12	Duplicate of previous
A00309698	LLRC-12-048	3	4.5	
A00309699	LLRC-12-048	4.5	6	
A00309700	LLRC-12-048	6	7.5	
A00309701	LLRC-12-048	7.5	9	
A00309702	LLRC-12-049	4.5	6	
A00309703	LLRC-12-049	6	7.5	
A00309704				CM-16
A00309705	LLRC-12-049	7.5	9	
A00309706	LLRC-12-049	9	10.5	

Sample ID	Hole ID	From	To	QC Sample
A00309707	LLRC-12-049	10.5	12	
A00309708	LLRC-12-050	7.5	9	
A00309709	LLRC-12-050	9	10.5	
A00309710				blank
A00309711	LLRC-12-050	10.5	12	
A00309712	LLRC-12-051	16.5	18	
A00309713	LLRC-12-051	18	18.5	
A00309714				CM-16
A00309715	LLRC-12-052	6	7.5	
A00309716	LLRC-12-052	7.5	9	
A00309717	LLRC-12-052	9	10.5	
A00309718	LLRC-12-053	0	1.5	
A00309719	LLRC-12-053	1.5	3	
A00309720				Blank
A00309721	LLRC-12-053	3	4.5	
A00309722	LLRC-12-054	0	1.5	
A00309723	LLRC-12-054	1.5	3	
A00309724	LLRC-12-054	3	4.5	
A00309725	LLRC-12-054	4.5	6	
A00309726	LLRC-12-054			Blank
A00309727	LLRC-12-054	6	7.5	
A00309728	LLRC-12-055	4.5	6	
A00309729	LLRC-12-055	6	7.5	
A00309730	LLRC-12-055			CM-16
A00309731	LLRC-12-055	7.5	9	
A00309732	LLRC-12-056	15	16.5	
A00309733	LLRC-12-056	16.5	18	
A00309734	LLRC-12-056			Duplicate of previous
A00309735	LLRC-12-056	18	19.5	
A00309736	LLRC-12-057	4.5	6	
A00309737	LLRC-12-057	6	7.5	
A00309738	LLRC-12-057	7.5	9	
A00309739	LLRC-12-057	9	10.5	
A00309740	LLRC-12-058	15	16.5	
A00309741	LLRC-12-058	16.5	18	
A00309742	LLRC-12-058	18	19.5	
A00309743				Blank
A00309744	Corc-12-002	18	19.5	
A00309745	Corc-12-002	19.5	21	
A00309746	Corc-12-002	21	22.5	
A00309747	Corc-12-003	19.5	22	
A00309748	Corc-12-003	22	23.5	
A00309749	Corc-12-003	23.5	25	
A00309750	Corc-12-004	19.5	21	
A00309751	Corc-12-004	21	22.5	
A00309752	Corc-12-004	22.5	24	
A00309753	Corc-12-004			Duplicate of previous
A00309754	Corc-12-006	22.5	24	
A00309755	Corc-12-006	24	25.5	
A00309756	Corc-12-008	2.25	24	
A00309757	Corc-12-008	24	2.25	
A00309758	Corc-12-008	25.5	27	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From	To	QC Sample
A00309759	Corc-12-008	27	28.5	
A00309760	Corc-12-009	25.5	27	
A00309761	Corc-12-009			CM-16
A00309762	Corc-12-009	27	28.5	
A00309763	Corc-12-009	28.5	30	
A00309764	Corc-12-009	30	31.5	
A00309765	Corc-12-010	31.5	33	
A00309766	Corc-12-010	33	34.5	
A00309767	Corc-12-010	34.5	36	
A00309768	Corc-12-010	36	37.5	
A00309769	Corc-12-010			Blank
A00309770	Corc-12-010	37.5	39	
A00309771	Corc-12-010	39	40.5	
A00309772	Corc-12-010	40.5	42	
A00309773	Corc-12-010			CM-16
A00309774	Corc-12-011	13.5	15	
A00309775	Corc-12-011	15	16.5	
A00309776	Corc-12-011	16.5	18	
A00309777	Corc-12-011	18	19.5	
A00309778	Corc-12-012	34.5	36	
A00309779	Corc-12-012	34.5	36	Duplicate of previous
A00309780	Corc-12-012	36	37.5	
A00309781	Corc-12-012	37.5	39	
A00309782	Corc-12-012	39	40.5	
A00309783	Corc-12-013	7.5	9	
A00309784	Corc-12-013			CM-16
A00309785	Corc-12-013	9	10.5	
A00309786	Corc-12-013	10.5	12	
A00309787	Corc-12-014	0	1.5	
A00309788	Corc-12-014			Blank
A00309789	Corc-12-014	1.5	3	
A00309790	Corc-12-014	3	4	
A00309791	Corc-12-015	7.5	9	
A00309792	Corc-12-015	9	10.5	
A00309793	Corc-12-015	10.5	12	
A00309794	Corc-12-015	10.5	12	Duplicate of previous
A00309795	Corc-12-016	0	1.5	
A00309796	Corc-12-016	1.5	0.3	
A00309797	CORC-12-016	3	4.5	
A00309798	CORC-12-017	6	7.5	
A00309799	CORC-12-017	7.5	9	
A00309800				CM-16
A00309801	CORC-12-017	9	10.5	
A00309802	CORC-12-017	10.5	12	
A00309803	CORC-12-018	1.5	3	
A00309804	CORC-12-018	1.5	3	Duplicate of previous
A00309805	CORC-12-018	3	4.5	
A00309806	CORC-12-018	4.5	6	
A00309807	CORC-12-018	6	7.5	
A00309808	LLRC-12-059	12	13.5	
A00309809	LLRC-12-059	13.5	15	
A00309810	LLRC-12-059	15	16.5	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From	To	QC Sample
A00309811	LLRC-12-059	16.5	18	
A00309812	LLRC-12-060	0	1.5	
A00309813				CM-16
A00309814	LLRC-12-060	1.5	3	
A00309815	LLRC-12-060	3	4.5	
A00309816	LLRC-12-060	4.5	6	
A00309817	LLRC-12-061	28.5	30	
A00309818	LLRC-12-061	30	31.5	
A00309819	LLRC-12-061	31.5	33	
A00309820				Blank
A00309821	LLRC-12-061	33	34.5	
A00309822	MORC-12-001	22.5	24	
A00309823	MORC-12-001	24	25.5	
A00309824	MORC-12-001	25.5	27	
A00309825	MORC-12-001	27	28.5	
A00309826	MORC-12-001	28.5	30	
A00309827	MORC-12-001	28.5	30	Duplicate of previous
A00309828	MORC-12-002	27	28.5	
A00309829	MORC-12-002	28.5	30	
A00309830	MORC-12-002	30	31.5	
A00309831	MORC-12-002	31.5	33	
A00309832	MORC-12-002	33	34.5	
A00309833				CM-16
A00309834	MORC-12-002	34.5	36	
A00309835	MORC-12-002	36	37.5	
A00309836	MORC-12-003	28.5	30	
A00309837	MORC-12-003	30	31.5	
A00309838	MORC-12-003	31.5	33	
A00309839				Blank
A00309840	MORC-12-003	33	34.5	
A00309841	MORC-12-003	34.5	36	
A00309842	MORC-12-004	30	31.5	
A00309843	MORC-12-004	31.5	33	
A00309844	MORC-12-004	31.5	33	Duplicate of previous
A00309845	MORC-12-004	33	34.5	
A00309846	MORC-12-004	34.5	36	
A00309847	MORC-12-004	36	37.5	
A00309848	MORC-12-005	30	31.5	
A00309849	MORC-12-005	31.5	33	
A00309850				Blank
A00309851	MORC-12-005	33	34.5	
A00309852	MORC-12-005	34.5	36	
A00309853	MORC-12-005	36	37.5	
A00309854	MORC-12-006	18	19.5	
A00309855				CM-16
A00309856	MORC-12-006	19.5	21	
A00309857	MORC-12-006	21	22.5	
A00309858	MORC-12-006	22.5	24	
A00309859				Blank
A00309860	MORC-12-007	17.5	18	
A00309861	MORC-12-007	18	19	
A00309862	MORC-12-007	19.5	21	

Riverside Resources (BC) Inc.

Sample ID	Hole ID	From	To	QC Sample
A00309863	MORC-12-007	21	22.5	
A00309864	MORC-12-007	22.5	24	
A00309865	MORC-12-008	19.5	21	
A00309866	MORC-12-008	21	22.5	
A00309867	MORC-12-008	21	22.5	Duplicate of previous
A00309868	MORC-12-008	22.5	24	
A00309869	MORC-12-008	24	25.5	
A00309870	MORC-12-008	25.5	27	
A00309871	MORC-12-009	36	37.5	
A00309872	MORC-12-009	37.5	39	
A00309873	MORC-12-009	39	40.5	
A00309874	MORC-12-009	40.5	42	
A00309875	MORC-12-009	42	43.5	
A00309876	MORC-12-012	12	13.5	
A00309877	MORC-12-012	13.5	15	
A00309878	MORC-12-012	15	16.5	
A00309879	MORC-12-012	16.5	18	
A00309880	MORC-12-012	16.5	18	Duplicate of previous
A00309881	MORC-12-012	18	19.5	
A00309882	MORC-12-013	27	28.5	
A00309883	MORC-12-013	28.5	30	
A00309884				Blank
A00309885	MORC-12-013	30	31.5	
A00309886	MORC-12-013	31.5	33	
A00309887	MORC-12-013	33	34.5	
A00309888	LLRC-12-010	25.5	27	
A00309889				CM-16



Certificate of Analysis

Work Order: TK120034

To: **Jeff Clarke**
RIVERSIDE RESOURCES INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Jul 05, 2012

P.O. No. : 2S-0034
Project No. : -
No. Of Samples : 4
Date Submitted : Jun 06, 2012
Report Comprises : Pages 1 to 8
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element	WtKg	Au	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	WGH79	FAA313	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.001	5	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	kg	ppb	%	ppm	%	ppm	ppm	%	%	ppm
LL07-13-24	0.925	7	8.02	325	2.60	8	0.9	2.09	2.31	72
LL07-11-14.6	0.795	19	8.28	885	2.62	4	589	1.92	4.20	77
LL07-11-76.5	1.060	<5	11.3	720	1.69	10	59.9	4.61	3.81	47
LL07-13-43.7	0.470	7	7.36	1780	0.66	5	13.6	0.90	7.07	18

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
LL07-13-24	0.85	933	0.07	3.6	700	0.05	228	0.19	50	121
LL07-11-14.6	1.05	402	0.17	2.3	970	0.35	300	0.17	50	84
LL07-11-76.5	1.82	257	2.72	10.1	2630	0.11	713	0.58	101	27
LL07-13-43.7	0.35	589	0.19	2.7	290	0.58	120	0.06	22	176

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LL07-13-24	30.7	0.03	5	0.9	0.04	0.27	24.1	6.4	8	20.3
LL07-11-14.6	51.4	0.62	18	0.8	0.05	0.52	22.0	6.9	<5	18.5
LL07-11-76.5	57.4	0.08	14	1.5	<0.04	0.04	47.8	13.1	17	25.9
LL07-13-43.7	26.2	0.38	2	0.5	0.22	1.79	6.38	2.3	<5	19.8

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LL07-13-24	1.24	0.03	11.8	0.07	1.34	4.8	16.4	87.0	5.94	4.1
LL07-11-14.6	1.80	0.03	8.7	0.25	75.1	4.6	13.9	104	33.6	5.8
LL07-11-76.5	1.92	0.02	22.8	0.25	1.35	14.3	7.5	176	1.85	15.7
LL07-13-43.7	0.99	0.02	2.9	0.08	19.8	2.6	45.7	132	9.07	1.9

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LL07-13-24	<2	0.5	0.38	0.24	<0.05	4.6	1.30	1.51	3.2	5.4
LL07-11-14.6	<2	0.7	0.38	0.43	<0.05	5.3	0.82	1.86	3.5	13.6
LL07-11-76.5	<2	1.0	0.95	0.78	<0.05	3.5	1.19	1.13	1.5	20.7
LL07-13-43.7	<2	<0.3	0.26	0.13	<0.05	5.5	1.12	1.43	2.6	4.3

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Element	Yb	Al2O3	Ba	CaO	Cr2O3	Fe2O3	MgO	MnO	P2O5	K2O
Method	ICM40B	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A
Det.Lim.	0.1	0.01	10	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Units	ppm	%	ppm	%	%	%	%	%	%	%
LL07-13-24	0.5	16.1	360	4.09	<0.01	3.30	1.53	0.13	0.16	3.03
LL07-11-14.6	1.6	17.6	950	4.50	<0.01	3.27	2.00	0.06	0.21	5.80
LL07-11-76.5	1.8	21.7	770	2.55	<0.01	7.19	3.27	0.04	0.64	4.74
LL07-13-43.7	0.5	14.2	1860	0.98	<0.01	1.46	0.62	0.08	0.04	9.13

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Element	TiO2	SiO2	Na2O	Zr	Zn	Y	Sr	Nb	LOI
Method	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	PHY01K
Det.Lim.	0.01	0.01	0.1	10	5	10	10	10	0.01
Units	%	%	%	ppm	ppm	ppm	ppm	ppm	%
LL07-13-24	0.39	64.2	0.2	80	124	<10	220	<10	9.27
LL07-11-14.6	0.45	57.9	0.3	140	88	20	300	<10	8.99
LL07-11-76.5	1.05	52.3	3.9	220	25	20	660	20	4.91
LL07-13-43.7	0.19	70.0	0.3	70	172	<10	100	<10	2.09

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Certificate of Analysis

Work Order: TK120054

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Jul 16, 2012

P.O. No. : PROJ: Lennac/2S-0054
Project No. : -
No. Of Samples : 8
Date Submitted : Jun 19, 2012
Report Comprises : Pages 1 to 8
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00249001	2.020	<5	8.00	820	2.59	12	11.8	2.58	1.99	16
A00249002	2.310	19	5.65	528	1.10	5	436	3.63	2.60	6
A00249006	1.965	6	7.71	812	2.52	13	88.0	2.55	2.16	4
A00249007	2.420	<5	8.35	844	3.05	17	86.6	3.05	2.19	3
A00249012	2.410	<5	7.95	828	2.32	16	168	2.54	2.01	5
A00249013	2.245	<5	8.00	1160	2.23	11	110	2.47	2.18	9
A00249014	1.685	<5	7.83	566	1.59	8	21.0	2.42	1.89	9
A00249017	2.530	<5	8.75	1130	3.27	8	22.5	3.77	2.03	14

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00249001	0.86	411	3.21	4.0	950	<0.01	541	0.23	61	59
A00249002	0.11	240	3.89	<0.5	720	0.04	77.1	0.21	34	21
A00249006	0.92	404	3.04	4.9	930	<0.01	558	0.24	62	47
A00249007	1.14	522	3.07	7.7	1050	<0.01	623	0.26	78	53
A00249012	0.90	355	3.14	6.7	1070	<0.01	612	0.25	72	53
A00249013	0.83	231	2.92	4.1	940	0.56	504	0.21	58	40
A00249014	0.66	517	3.22	3.6	870	<0.01	447	0.16	57	84
A00249017	1.29	746	3.00	4.7	1380	<0.01	692	0.41	109	95

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00249001	31.8	0.05	3	1.1	0.05	0.04	18.0	8.5	<5	19.5
A00249002	20.8	0.22	30	0.9	0.04	0.08	16.8	5.5	<5	17.6
A00249006	24.7	0.06	2	1.1	<0.04	0.05	17.1	8.7	<5	19.2
A00249007	27.8	0.06	2	1.0	<0.04	0.05	21.8	10.9	<5	19.4
A00249012	27.9	0.08	1	1.1	<0.04	0.09	18.8	10.1	<5	19.9
A00249013	26.6	0.13	2	1.1	0.78	0.06	20.4	8.0	<5	19.6
A00249014	32.4	0.14	2	1.1	0.05	0.40	15.5	8.0	<5	19.7
A00249017	89.8	0.07	1	1.2	<0.04	0.28	40.4	11.6	<5	20.7

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00249001	1.28	0.02	8.3	0.07	1.35	4.4	7.3	74.3	0.21	4.5
A00249002	0.77	0.04	6.9	0.13	1.58	4.9	3.6	36.5	2.61	2.8
A00249006	0.96	<0.02	8.1	0.07	1.30	4.4	4.5	63.1	0.06	5.0
A00249007	1.01	0.02	10.5	0.08	1.11	4.6	4.7	66.0	0.06	7.0
A00249012	1.02	<0.02	8.8	0.07	6.19	4.7	6.4	66.3	0.09	5.9
A00249013	0.98	0.05	9.8	0.06	1.90	4.0	5.6	64.9	0.38	4.7
A00249014	1.15	<0.02	7.2	0.06	1.76	3.2	7.8	68.7	0.45	4.2
A00249017	2.53	0.04	19.7	0.19	1.78	6.8	14.2	57.0	0.49	9.7

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00249001	<2	0.5	0.32	0.22	<0.05	3.2	0.55	2.45	0.5	5.2
A00249002	<2	2.8	0.36	0.26	<0.05	2.3	0.57	0.78	5.5	7.6
A00249006	<2	0.3	0.33	0.20	<0.05	3.1	0.28	1.63	0.3	4.9
A00249007	<2	0.4	0.32	0.25	<0.05	3.4	0.21	1.88	0.4	6.1
A00249012	<2	0.3	0.33	0.22	<0.05	3.1	0.43	1.68	0.5	5.1
A00249013	<2	0.6	0.28	0.21	0.41	3.4	0.69	2.31	0.7	4.7
A00249014	<2	0.4	0.26	0.18	<0.05	2.9	0.49	1.48	0.5	4.1
A00249017	<2	0.8	0.39	0.49	<0.05	4.4	0.32	1.86	0.5	14.6

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Element	Yb	Al2O3	Ba	CaO	Cr2O3	Fe2O3	MgO	MnO	P2O5	K2O
Method	ICM40B	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A
Det.Lim.	0.1	0.01	10	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Units	ppm	%	ppm	%	%	%	%	%	%	%
A00249001	0.5	16.7	820	4.02	<0.01	4.16	1.53	0.06	0.21	2.53
A00249002	1.0	16.7	700	1.83	<0.01	5.88	0.25	0.03	0.20	3.37
A00249006	0.5	16.7	860	3.81	<0.01	4.01	1.60	0.05	0.21	2.74
A00249007	0.5	17.9	890	5.00	<0.01	5.01	2.15	0.08	0.26	2.92
A00249012	0.5	17.3	840	3.61	<0.01	4.06	1.59	0.05	0.24	2.64
A00249013	0.4	16.9	1160	3.54	<0.01	4.00	1.49	0.03	0.22	2.78
A00249014	0.4	17.0	600	2.53	<0.01	3.86	1.21	0.07	0.21	2.46
A00249017	1.3	17.4	1130	5.11	<0.01	5.90	2.31	0.10	0.31	2.51

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Element	TiO2	SiO2	Na2O	Zr	Zn	Y	Sr	Nb	LOI
Method	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	ICP95A	PHY01K
Det.Lim.	0.01	0.01	0.1	10	5	10	10	10	0.01
Units	%	%	%	ppm	ppm	ppm	ppm	ppm	%
A00249001	0.46	64.2	4.6	80	61	<10	520	<10	2.75
A00249002	0.40	62.0	5.7	170	16	10	100	<10	2.65
A00249006	0.44	65.0	4.4	70	37	<10	570	<10	1.14
A00249007	0.53	68.1	4.7	80	53	<10	640	<10	1.18
A00249012	0.47	64.0	4.5	80	38	<10	590	<10	1.37
A00249013	0.44	63.6	4.1	70	29	<10	460	<10	2.56
A00249014	0.42	64.5	4.7	70	72	<10	420	<10	3.72
A00249017	0.70	59.3	4.1	130	85	20	660	10	2.53

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Certificate of Analysis

Work Order: TK120055

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Jul 13, 2012

P.O. No. : PROJ: Lennac/2S-0055
Project No. : -
No. Of Samples : 9
Date Submitted : Jun 19, 2012
Report Comprises : Pages 1 to 7
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00249003	3.980	29	7.04	934	1.60	10	2240	2.52	2.74	6
A00249004	1.770	6	8.33	1220	2.37	23	512	2.90	2.41	5
A00249005	1.950	56	8.44	746	2.56	10	1850	4.54	1.96	11
A00249008	1.180	13	7.79	967	2.09	13	564	2.80	2.42	4
A00249009	2.405	59	7.43	650	1.80	15	1940	4.69	1.93	5
A00249010	2.210	29	7.85	1330	1.47	10	1430	1.86	3.14	3
A00249011	1.470	29	7.31	1080	1.36	7	2070	1.77	3.14	3
A00249015	1.855	22	6.20	445	0.88	5	597	2.63	3.02	7
A00249016	1.640	16	6.96	1170	0.71	3	1870	0.71	5.12	19

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00249003	0.64	285	2.21	4.8	800	0.25	437	0.18	59	46
A00249004	1.10	316	2.86	9.6	980	0.07	571	0.26	78	56
A00249005	2.14	483	2.66	3.7	910	0.11	370	0.62	190	75
A00249008	0.91	449	2.87	4.7	850	0.02	567	0.24	67	42
A00249009	1.65	553	3.20	4.8	680	0.15	370	0.47	153	71
A00249010	0.76	273	2.84	4.1	860	0.08	528	0.24	58	44
A00249011	0.78	215	2.51	3.7	780	0.13	455	0.20	54	40
A00249015	0.26	212	4.15	0.6	800	0.03	96.7	0.24	50	37
A00249016	0.40	451	0.98	3.8	320	0.26	128	0.05	27	88

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00249003	24.1	0.77	6	0.9	0.07	0.19	18.3	10.8	<5	16.6
A00249004	30.6	0.31	2	1.0	<0.04	0.14	19.7	11.2	5	19.3
A00249005	34.9	0.72	3	1.1	0.08	0.18	29.8	16.2	<5	19.1
A00249008	20.8	0.20	2	1.0	<0.04	0.08	20.2	9.7	<5	18.1
A00249009	17.7	0.53	2	0.9	0.09	0.19	23.6	15.2	<5	16.7
A00249010	21.8	0.51	1	1.0	<0.04	0.17	27.6	7.9	<5	18.0
A00249011	24.3	0.78	1	0.9	0.08	0.16	17.2	8.2	<5	16.2
A00249015	55.2	0.20	15	1.0	<0.04	0.10	10.4	3.3	<5	19.1
A00249016	45.8	4.30	437	0.9	0.06	2.52	37.9	1.9	<5	16.3

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00249003	0.83	0.03	8.9	0.06	4.39	3.2	5.2	65.9	0.80	4.2
A00249004	1.03	0.02	9.5	0.08	56.3	4.4	6.0	82.8	0.15	6.8
A00249005	0.87	0.03	13.2	0.23	34.5	7.2	3.0	102	0.07	19.3
A00249008	0.77	<0.02	9.8	0.07	1.90	4.0	4.5	70.4	0.07	4.9
A00249009	0.49	0.03	11.1	0.18	170	5.4	2.9	68.7	0.12	16.4
A00249010	0.79	<0.02	13.1	0.07	22.1	4.5	4.7	73.4	0.18	4.8
A00249011	0.83	0.02	8.4	0.06	29.0	3.7	6.1	76.7	0.13	4.3
A00249015	1.55	0.03	4.3	0.13	2.29	5.6	5.0	41.4	2.09	3.3
A00249016	1.63	0.07	19.6	0.12	5.18	2.9	33.2	110	17.3	2.9

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00249003	<2	0.3	0.22	0.20	<0.05	2.9	0.38	1.50	0.4	4.7
A00249004	<2	0.4	0.29	0.24	<0.05	3.2	0.47	2.01	0.5	5.8
A00249005	<2	0.8	0.46	0.60	<0.05	2.5	0.63	0.92	0.6	19.4
A00249008	<2	<0.3	0.29	0.22	<0.05	3.4	0.29	1.60	0.5	5.4
A00249009	<2	0.6	0.36	0.44	<0.05	2.4	0.41	0.67	0.5	13.9
A00249010	<2	0.4	0.30	0.25	<0.05	3.3	0.42	1.69	1.1	5.6
A00249011	<2	0.3	0.24	0.18	<0.05	3.2	0.45	1.80	1.1	4.5
A00249015	<2	0.9	0.39	0.20	<0.05	2.2	0.61	1.06	2.3	5.8
A00249016	<2	0.6	0.26	0.26	<0.05	5.8	0.92	2.76	2.4	6.8

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
A00249003	0.4
A00249004	0.5
A00249005	1.7
A00249008	0.5
A00249009	1.3
A00249010	0.5
A00249011	0.4
A00249015	0.8
A00249016	0.8

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Certificate of Analysis

Work Order: TK120111

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Aug 16, 2012

P.O. No. : PROJ: Lennac/RRLE003-2012
Project No. : LENNAC
No. Of Samples : 19
Date Submitted : Jul 19, 2012
Report Comprises : Pages 1 to 7
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00249018	1.970	10	7.35	647	1.96	14	585	2.97	1.66	16
A00249019	1.565	16	7.82	765	1.97	14	1050	2.90	1.96	9
A00249020	1.535	22	7.74	661	1.85	14	1240	2.55	1.78	11
A00249021	1.790	5	8.29	852	1.89	13	220	3.03	1.87	7
A00249022	1.785	<5	9.45	335	4.01	14	154	4.79	1.09	4
A00249023	1.755	<5	9.35	380	3.10	16	114	5.63	1.48	4
A00249024	1.425	8	8.61	640	2.70	18	293	3.18	2.12	13
A00249025	2.700	<5	10.1	117	3.77	16	2.0	5.47	1.34	11
A00249026	1.825	<5	8.73	826	3.23	35	2.6	3.24	2.29	22
A00249027	1.835	5	8.96	669	1.73	9	179	3.35	2.46	7
A00249028	1.830	45	8.31	941	0.98	12	811	1.06	5.34	22
A00249029	2.155	22	7.24	1170	1.58	7	394	1.85	3.74	36
A00249030	1.415	<5	6.61	236	1.56	7	2.9	2.66	1.47	11
A00249031	1.625	22	7.87	467	1.77	8	756	5.62	2.08	16
A00249032	2.215	<5	9.58	944	5.58	39	328	7.16	1.83	14
A00249033	2.450	<5	9.94	780	4.29	9	138	5.21	1.67	3
A00249036	1.915	<5	7.09	1160	1.07	9	3.6	1.44	2.01	6
A00249037	2.085	<5	5.89	982	0.89	11	6.7	1.27	2.02	4
A00249038	1.525	<5	6.68	1010	0.66	14	6.1	1.36	2.12	5
*Rep A00249025		<5								
*Std OXF100		796								
*Rep A00249033			9.82	785	4.25	8	133	5.19	1.67	3
*Std CH-4			7.79	441	1.84	80	2040	4.88	1.86	13
*Bik BLANK		<5								
*Bik BLANK			<0.01	<1	<0.01	5	0.6	<0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00249018	0.51	175	3.27	5.3	840	1.77	445	0.18	67	29
A00249019	0.47	384	2.76	5.2	810	0.14	444	0.21	76	39
A00249020	0.59	269	3.19	6.2	850	0.94	403	0.18	71	38
A00249021	0.92	239	3.37	5.6	940	0.63	562	0.24	75	30
A00249022	1.98	614	3.29	4.6	870	0.49	448	0.56	184	37
A00249023	1.96	393	3.39	4.1	940	1.31	522	0.58	170	37
A00249024	0.47	238	2.85	7.1	880	1.66	477	0.22	77	34
A00249025	2.45	635	4.17	3.8	950	0.27	342	0.65	175	54
A00249026	1.36	953	2.90	16.0	970	<0.01	595	0.23	98	103
A00249027	1.29	189	3.78	5.5	550	<0.01	486	0.37	128	58
A00249028	0.26	302	1.68	7.3	930	0.05	264	0.18	81	63
A00249029	0.35	1240	0.19	2.1	700	0.58	200	0.15	51	77
A00249030	0.15	301	4.20	1.8	800	<0.01	114	0.22	60	26
A00249031	1.22	244	3.84	1.0	870	0.05	351	0.35	145	39
A00249032	1.97	1510	2.27	18.8	2270	0.01	516	0.83	244	226
A00249033	1.51	1430	4.05	2.4	1140	<0.01	574	0.44	180	80
A00249036	0.32	308	4.79	3.7	420	<0.01	740	0.14	37	42
A00249037	0.23	273	4.57	3.6	410	<0.01	588	0.14	37	47
A00249038	0.31	339	4.91	3.7	460	<0.01	526	0.14	31	50
*Rep A00249033	1.48	1400	4.01	2.3	1160	<0.01	569	0.45	182	79
*Std CH-4	1.27	439	3.37	42.6	570	0.66	220	0.28	89	194
*BIK BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00249018	31.2	0.24	20	1.1	0.13	0.08	12.5	8.7	5	22.6
A00249019	21.7	0.21	66	0.9	<0.04	0.12	20.9	10.4	7	19.3
A00249020	29.8	0.47	4	1.1	0.19	0.20	19.1	15.0	<5	21.0
A00249021	30.2	0.14	3	1.0	0.09	0.12	18.5	9.7	<5	19.7
A00249022	49.4	0.11	3	1.0	0.07	0.07	30.7	10.0	<5	19.2
A00249023	43.3	0.13	3	1.0	0.23	0.06	36.6	10.7	<5	18.8
A00249024	38.1	0.25	11	1.1	0.41	0.03	22.9	8.0	5	21.4
A00249025	50.8	0.10	3	0.9	0.49	0.04	31.2	7.8	7	21.5
A00249026	38.4	0.08	2	1.0	0.08	0.05	23.3	12.6	5	19.1
A00249027	12.9	0.20	3	0.9	<0.04	0.36	18.8	7.8	<5	19.7
A00249028	55.7	1.36	227	0.8	0.08	0.41	21.0	5.6	<5	19.6
A00249029	44.0	0.76	125	0.6	0.15	0.52	24.7	5.6	5	17.1
A00249030	33.4	0.05	10	1.0	<0.04	0.06	16.1	2.7	8	18.3
A00249031	47.2	0.20	6	0.9	0.08	0.12	20.4	18.2	10	20.4
A00249032	110	0.42	2	1.0	<0.04	1.48	31.4	20.6	<5	20.3
A00249033	17.2	0.08	1	1.0	<0.04	0.09	23.7	15.4	<5	20.2
A00249036	12.4	0.03	1	2.0	<0.04	<0.02	13.2	3.4	<5	21.6
A00249037	13.0	0.03	3	1.9	<0.04	0.03	11.4	3.4	<5	21.7
A00249038	11.6	0.03	3	2.1	0.14	0.02	13.6	3.4	<5	21.4
*Rep A00249033	17.4	0.07	1	1.0	<0.04	0.06	23.5	15.9	<5	19.9
*Std CH-4	110	2.24	8	0.8	0.58	1.11	34.7	25.5	<5	20.9
*BIK BLANK	<0.5									
*BIK BLANK		<0.02	<1	<0.1	<0.04	0.06	<0.05	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B ppm	In ICM40B ppm	La ICM40B ppm	Lu ICM40B ppm	Mo ICM40B ppm	Nb ICM40B ppm	Pb ICM40B ppm	Rb ICM40B ppm	Sb ICM40B ppm	Sc ICM40B ppm
A00249018	1.12	<0.02	5.8	0.08	3.32	2.5	6.1	37.2	1.46	5.0
A00249019	0.86	0.02	10.3	0.08	21.7	4.1	4.2	58.1	0.32	5.6
A00249020	1.03	0.02	9.6	0.08	21.2	2.1	6.8	40.9	1.17	5.1
A00249021	1.07	<0.02	8.9	0.07	6.35	3.8	3.0	42.5	0.60	4.6
A00249022	1.41	0.05	14.2	0.23	3.85	6.4	1.2	38.4	0.31	17.5
A00249023	1.28	0.04	17.9	0.20	2.33	6.0	1.5	47.3	0.42	18.0
A00249024	1.30	0.05	11.1	0.08	1.95	4.6	5.3	44.1	0.58	5.3
A00249025	1.59	0.10	15.0	0.20	0.71	6.7	2.2	52.0	1.29	17.3
A00249026	1.26	0.03	11.3	0.09	0.84	4.0	12.3	61.6	0.92	8.2
A00249027	0.35	<0.02	8.9	0.10	18.6	3.8	4.4	54.8	0.53	11.8
A00249028	1.78	0.08	10.0	0.21	28.8	6.0	11.9	109	14.3	7.8
A00249029	1.54	0.04	11.7	0.21	99.8	3.9	13.0	94.0	18.0	4.4
A00249030	1.10	0.04	6.7	0.16	2.21	6.0	4.2	22.3	2.09	3.8
A00249031	1.33	0.04	9.1	0.19	17.8	5.6	5.1	60.1	0.75	11.2
A00249032	3.16	0.05	14.4	0.29	1.46	9.2	3.2	32.6	0.65	18.4
A00249033	0.89	0.06	11.6	0.27	2.49	5.6	1.9	38.4	0.24	14.1
A00249036	0.66	<0.02	6.0	0.06	1.72	3.4	12.0	20.9	0.81	2.0
A00249037	0.68	<0.02	5.1	0.06	0.88	3.4	8.7	23.5	0.57	1.8
A00249038	0.61	<0.02	6.4	0.06	1.74	3.4	6.9	23.0	0.53	1.8
*Rep A00249033	0.86	0.06	11.4	0.27	2.01	5.7	1.8	37.1	0.21	14.2
*Std CH-4	3.41	0.13	17.7	0.19	3.29	4.1	15.8	71.4	0.80	13.6
*BIK BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	0.6	<0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00249018	<2	0.6	0.19	0.18	0.07	3.1	0.70	2.12	1.2	4.4
A00249019	<2	0.5	0.30	0.25	<0.05	3.7	0.53	1.81	1.2	5.8
A00249020	3	0.4	0.15	0.22	0.07	3.3	0.62	1.38	1.2	5.1
A00249021	<2	0.5	0.25	0.21	<0.05	2.9	0.50	1.85	0.8	5.5
A00249022	<2	1.4	0.41	0.60	<0.05	2.3	0.51	0.78	0.6	20.1
A00249023	<2	1.2	0.37	0.62	0.07	2.1	1.06	0.78	1.2	19.5
A00249024	<2	1.8	0.29	0.24	0.27	3.3	0.59	2.49	0.5	6.1
A00249025	<2	1.2	0.41	0.58	0.10	2.0	1.33	1.40	1.9	19.2
A00249026	<2	0.6	0.28	0.26	<0.05	3.3	0.60	2.07	0.4	6.9
A00249027	<2	1.0	0.22	0.34	<0.05	1.2	0.70	0.28	3.3	9.4
A00249028	<2	1.1	0.52	0.43	0.05	5.4	0.85	1.98	6.7	13.2
A00249029	<2	1.2	0.28	0.35	<0.05	4.7	1.40	1.86	4.6	11.3
A00249030	<2	1.9	0.45	0.28	<0.05	2.7	0.60	0.95	1.6	7.9
A00249031	<2	1.2	0.41	0.47	<0.05	2.1	0.73	0.81	2.9	13.3
A00249032	<2	1.1	0.52	0.69	<0.05	1.7	0.26	0.86	0.3	22.2
A00249033	<2	1.1	0.33	0.49	<0.05	2.7	0.13	1.49	0.5	17.2
A00249036	<2	0.8	0.16	0.13	<0.05	2.5	0.23	1.03	0.1	3.7
A00249037	<2	0.8	0.16	0.12	<0.05	1.4	0.24	0.61	0.2	3.1
A00249038	<2	0.9	0.16	0.13	<0.05	1.2	0.23	0.58	0.2	3.5
*Rep A00249033	<2	1.1	0.34	0.49	<0.05	2.6	0.13	1.48	0.5	17.2
*Std CH-4	<2	1.2	0.29	0.44	0.48	2.6	0.43	0.83	3.9	11.4
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00249018	0.5
A00249019	0.5
A00249020	0.5
A00249021	0.5
A00249022	1.9
A00249023	1.6
A00249024	0.6
A00249025	1.6
A00249026	0.7
A00249027	0.8
A00249028	1.3
A00249029	1.2
A00249030	1.1
A00249031	1.3
A00249032	2.1
A00249033	1.9
A00249036	0.4
A00249037	0.4
A00249038	0.4
*Rep A00249033	1.9
*Std CH-4	1.2
*BIK BLANK	<0.1

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Certificate of Analysis

Work Order: TK120136

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Aug 23, 2012

P.O. No. : PROJ: Lennac/RRLE004-2012
Project No. : LENNAC
No. Of Samples : 72
Date Submitted : Aug 07, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309501	2.935	<5	7.83	837	2.63	18	36.3	3.80	2.32	21
A00309502	0.105	300	8.24	1530	2.32	12	1850	4.22	2.60	9
A00309503	3.005	<5	7.99	2130	3.08	5	3.6	3.23	2.23	1
A00309504	2.745	<5	7.87	1210	2.99	5	4.4	3.08	2.19	<1
A00309505	2.170	133	7.80	712	2.77	25	57.6	4.77	1.53	27
A00309506	2.675	<5	2.68	250	>15.0	10	16.1	1.45	0.56	7
A00309507	2.750	<5	0.50	45	>15.0	7	<0.5	0.32	0.22	<1
A00309508	2.060	<5	7.43	675	2.99	28	69.7	4.38	1.39	27
A00309509	2.410	6	8.96	653	3.67	24	141	4.37	1.74	21
A00309510	2.285	<5	9.15	640	3.85	23	138	4.40	1.78	20
A00309511	3.010	<5	9.64	430	4.92	14	291	4.00	1.58	13
A00309512	3.195	5	9.97	615	4.15	15	379	4.42	2.04	13
A00309513	3.080	<5	7.37	686	2.74	18	30.6	4.11	1.42	32
A00309514	1.955	<5	7.32	648	2.73	36	41.8	4.71	1.38	31
A00309515	1.450	15	7.48	706	2.38	22	55.8	4.11	1.80	25
A00309516	1.330	6	9.76	472	3.93	6	132	6.90	1.68	12
A00309517	2.520	<5	9.53	482	3.38	7	172	6.84	1.60	12
A00309518	3.265	6	9.46	308	7.30	15	72.6	6.99	1.05	9
A00309519	3.430	<5	9.39	529	2.73	6	52.4	6.61	1.58	12
A00309520	2.005	<5	7.40	814	2.73	33	53.6	4.48	1.49	30
A00309521	2.010	<5	7.06	1220	1.23	7	3.5	1.66	2.43	7
A00309522	2.185	7	7.65	462	3.68	30	41.0	5.51	1.64	52
A00309523	3.810	23	7.99	211	4.41	14	27.8	7.13	1.99	62
A00309524	4.355	6	8.39	216	4.99	21	7.8	7.95	2.85	72
A00309525	3.685	7	7.30	162	5.58	12	7.5	7.00	2.06	82
A00309526	3.805	9	8.16	390	4.99	16	30.8	6.63	2.36	91
A00309527	4.165	39	7.88	210	4.88	10	12.8	6.31	2.24	77
A00309528	2.180	53	7.27	937	2.46	37	34.6	4.39	1.43	29
A00309529	3.760	49	8.76	845	3.12	29	210	4.16	2.99	16
A00309530	3.970	8	8.92	660	3.11	22	148	3.70	3.26	9
A00309531	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
A00309532	0.105	296	7.45	1540	2.23	15	1830	4.23	2.50	9
A00309533	3.465	42	5.48	438	5.90	10	36.2	3.95	2.09	51
A00309534	3.020	247	10.0	236	4.55	6	19.1	5.91	2.36	84
A00309535	3.440	<5	7.46	755	2.52	32	51.9	4.43	1.75	32
A00309536	3.515	<5	7.36	853	2.33	18	53.2	3.62	2.54	75
*Dup A00309537	N.A.	12	7.55	1580	2.57	7	203	2.82	3.35	85
A00309537	3.625	9	7.46	1490	2.52	6	152	2.75	3.22	87
A00309538	3.420	<5	7.49	769	2.41	23	63.7	4.05	1.81	25
A00309539	3.220	11	6.44	554	1.64	3	250	0.82	3.14	9
A00309540	2.945	16	5.35	484	2.29	5	197	1.44	3.38	16
A00309541	3.095	8	7.32	1210	2.31	2	157	1.33	3.82	12
A00309542	3.710	8	7.00	1100	2.33	4	141	1.49	3.49	13

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309543	3.720	10	7.31	577	2.99	3	282	0.94	2.85	12
A00309544	2.365	6	7.74	690	2.60	29	72.0	4.58	1.53	30
A00309545	2.320	<5	7.49	879	2.01	18	43.8	3.13	2.98	50
A00309546	2.520	<5	6.81	1130	0.79	6	12.0	0.92	3.93	76
A00309547	2.970	<5	6.09	656	0.86	5	13.8	0.93	2.95	87
A00309548	2.875	<5	6.32	1060	0.85	5	9.2	0.88	4.04	60
A00309549	3.180	<5	3.74	307	1.32	15	71.8	2.58	0.85	15
A00309550	5.355	11	4.25	475	0.43	6	32.5	0.90	2.33	83
A00309551	0.105	303	7.38	1590	2.33	13	1870	4.26	2.36	9
A00309552	2.905	21	1.65	155	0.50	5	88.6	0.88	0.72	21
A00309553	2.340	<5	0.69	56	0.18	9	10.5	1.15	0.29	7
A00309554	2.900	6	7.46	656	2.55	33	72.0	4.74	1.44	28
A00309555	3.035	<5	8.14	930	1.73	21	87.7	3.93	3.57	17
A00309556	2.515	<5	7.87	1290	0.93	12	134	2.90	4.55	10
A00309557	2.295	<5	5.54	1100	0.87	7	4.4	1.50	2.37	6
A00309558	2.065	<5	6.23	1260	1.10	5	48.0	0.92	3.50	9
A00309559	2.055	<5	7.30	807	0.91	26	77.8	4.58	2.06	27
A00309560	2.685	12	6.85	719	1.38	13	427	5.14	3.53	10
A00309561	2.500	9	7.39	1830	0.58	6	343	1.35	5.81	11
A00309562	2.225	11	6.98	1530	1.17	4	386	1.27	5.08	12
A00309563	2.430	17	7.33	1520	1.29	5	623	1.50	4.89	12
A00309564	2.270	<5	7.61	728	2.74	30	63.0	4.69	1.57	29
A00309565	2.645	9	8.83	290	3.66	31	370	5.32	1.94	10
A00309566	3.015	17	7.39	275	2.17	23	493	6.63	2.57	13
A00309567	2.850	8	9.12	183	3.51	28	239	6.37	1.74	12
A00309568	2.785	<5	8.02	572	2.70	26	119	4.53	1.52	27
A00309569	2.800	<5	8.05	516	2.56	19	173	4.24	1.94	21
A00309570	3.130	<5	8.88	353	2.83	6	215	3.98	2.59	17
A00309571	0.105	380	7.70	1550	2.29	13	1850	4.25	2.50	9
A00309572	3.100	17	8.82	1010	2.84	6	668	4.07	3.14	16
*Dup A00309572	N.A.	8	8.94	1000	2.97	7	788	4.14	3.17	17
*Rep A00309526		8								
*Rep A00309550		11								
*Std OXF100		793								
*Std OXF100		776								
*Std SJ63		2640								
*Bik BLANK		<5								
*Bik BLANK		<5								
*Rep A00309513			7.46	679	2.80	21	31.5	4.22	1.47	33
*Rep A00309571			7.64	1560	2.32	10	1840	4.31	2.56	9
*Std CH-4			7.58	452	1.85	69	2010	5.29	1.74	13
*Std CH-4			7.67	469	1.92	67	2050	5.39	1.96	13
*Bik BLANK			<0.01	<1	<0.01	2	<0.5	<0.01	<0.01	<1

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Final : TK120136 Order: PROJ: Lennac/RRLE004-2012

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*BIK BLANK	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309501	1.15	994	2.34	13.8	730	0.05	325	0.32	112	88
A00309502	0.72	715	2.89	11.8	690	0.26	738	0.20	78	82
A00309503	1.22	927	3.17	2.2	440	0.04	375	0.21	81	62
A00309504	1.13	921	3.14	2.0	450	<0.01	329	0.21	85	70
A00309505	1.34	1150	2.59	17.7	1060	0.04	347	0.42	142	100
A00309506	0.58	395	0.76	8.5	340	0.13	350	0.13	46	40
A00309507	1.23	102	0.03	4.1	80	0.06	265	0.03	13	19
A00309508	1.21	1030	2.43	20.9	950	0.08	373	0.36	133	98
A00309509	1.38	949	3.35	20.0	1730	0.04	500	0.45	153	93
A00309510	1.39	958	3.36	18.8	1790	0.04	515	0.46	156	87
A00309511	1.20	913	4.13	14.9	2110	0.01	487	0.47	177	72
A00309512	1.48	833	3.71	14.3	2310	<0.01	621	0.53	181	73
A00309513	0.84	948	2.56	14.1	890	<0.01	364	0.33	122	89
A00309514	1.18	1140	2.24	26.0	930	0.14	315	0.37	131	121
A00309515	0.99	1150	2.19	14.3	830	0.12	339	0.36	113	228
A00309516	2.66	1390	2.94	11.8	1300	<0.01	458	0.76	301	103
A00309517	2.72	1320	2.96	12.7	1350	<0.01	453	0.77	315	110
A00309518	2.00	1530	2.30	16.9	1260	<0.01	966	0.75	273	75
A00309519	2.76	1400	3.41	12.6	1320	<0.01	433	0.76	301	106
A00309520	1.20	1050	2.37	20.4	940	0.09	353	0.39	133	100
A00309521	0.37	327	4.15	6.2	400	<0.01	823	0.14	40	38
A00309522	1.64	1090	1.73	19.1	960	0.45	448	0.49	177	101
A00309523	2.20	1140	1.41	13.8	870	0.81	406	0.59	188	77
A00309524	3.35	1040	0.33	21.1	800	0.17	320	0.65	241	94
A00309525	2.77	1040	0.74	11.7	970	1.04	460	0.54	222	93
A00309526	2.56	1030	0.48	11.8	950	0.21	629	0.61	219	84
A00309527	2.71	944	1.23	10.1	1020	0.26	464	0.53	201	87
A00309528	1.07	1080	2.26	21.4	920	0.07	353	0.37	118	103
A00309529	1.18	663	2.84	19.0	1880	0.04	440	0.43	155	81
A00309530	1.39	490	3.46	17.1	2320	0.01	447	0.45	184	64
A00309531	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
A00309532	0.71	693	2.85	11.9	700	0.25	703	0.20	77	83
A00309533	2.17	763	0.38	8.5	860	0.11	831	0.29	134	166
A00309534	1.73	559	0.22	6.8	1930	0.03	1700	0.81	226	128
A00309535	1.09	917	2.49	16.7	910	0.08	352	0.38	121	86
A00309536	0.92	586	2.07	9.6	890	0.04	318	0.30	89	74
*Dup A00309537	0.85	392	0.99	3.0	910	0.03	489	0.24	60	76
A00309537	0.84	389	1.02	2.1	870	0.03	475	0.23	56	72
A00309538	1.03	920	2.44	11.5	840	0.06	370	0.35	117	80
A00309539	0.43	338	1.49	1.7	320	0.07	171	0.08	27	38
A00309540	0.93	1750	0.22	3.3	260	0.36	93.6	0.07	25	57
A00309541	0.82	608	1.21	2.9	500	0.12	190	0.14	48	27
A00309542	0.87	851	1.03	2.8	450	0.15	173	0.14	46	29

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309543	0.48	304	1.66	1.8	390	0.04	242	0.12	40	25
A00309544	1.13	1000	2.46	18.8	880	0.10	347	0.39	126	95
A00309545	0.70	785	1.57	12.1	650	0.04	348	0.26	83	104
A00309546	0.18	269	0.36	5.4	290	0.02	255	0.10	21	80
A00309547	0.19	327	0.24	4.5	300	0.04	330	0.10	21	120
A00309548	0.24	257	0.27	4.5	270	0.03	276	0.09	18	77
A00309549	0.56	550	0.94	10.4	370	0.04	157	0.18	61	87
A00309550	0.22	449	0.12	7.5	260	0.11	410	0.06	13	496
A00309551	0.73	709	2.86	12.6	730	0.26	667	0.21	76	90
A00309552	0.21	587	0.04	5.6	90	0.14	125	0.03	9	936
A00309553	0.06	194	0.03	7.9	<50	0.03	46.0	0.01	7	53
A00309554	1.14	1060	2.33	19.1	890	0.14	327	0.38	125	104
A00309555	1.22	707	2.55	11.8	550	0.04	307	0.40	133	76
A00309556	1.09	375	2.47	6.9	380	<0.01	274	0.39	132	56
A00309557	0.28	287	4.28	5.5	310	<0.01	572	0.13	31	48
A00309558	0.20	302	1.73	4.0	270	<0.01	204	0.11	31	20
A00309559	0.84	917	2.37	17.9	850	<0.01	273	0.38	125	94
A00309560	1.23	339	3.74	4.2	700	<0.01	192	0.42	163	45
A00309561	0.26	151	1.14	4.7	350	<0.01	148	0.11	32	26
A00309562	0.34	167	1.16	2.8	320	0.01	157	0.09	25	34
A00309563	0.42	174	1.32	3.2	340	0.02	175	0.09	29	37
A00309564	0.98	1040	2.28	17.3	890	<0.01	324	0.38	128	99
A00309565	1.96	506	4.12	5.5	690	<0.01	283	0.47	189	49
A00309566	1.17	401	3.83	4.3	730	0.01	247	0.54	215	70
A00309567	1.35	426	4.21	4.3	740	<0.01	319	0.55	207	54
A00309568	1.09	907	2.79	14.6	920	0.06	325	0.38	130	104
A00309569	1.05	585	2.86	9.9	890	0.03	307	0.37	138	74
A00309570	1.32	283	3.20	2.6	980	<0.01	239	0.38	141	39
A00309571	0.71	701	2.84	11.7	700	0.26	677	0.21	75	86
A00309572	1.44	245	3.04	2.6	1040	0.04	236	0.39	143	37
*Dup A00309572	1.47	258	3.03	3.1	1030	0.06	246	0.40	147	42
*Rep A00309513	0.86	972	2.62	13.9	870	<0.01	373	0.33	120	86
*Rep A00309571	0.72	700	2.84	12.0	690	0.26	659	0.21	72	84
*Std CH-4	1.39	455	3.34	45.3	560	0.64	213	0.28	97	209
*Std CH-4	1.42	458	3.32	47.4	560	0.67	210	0.29	97	225
*Blk BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*BIK BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
	0.5 ppm	0.02 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm	0.05 ppm	0.1 ppm	5 ppm	0.1 ppm
A00309501	59.6	0.25	14	1.0	0.09	0.31	30.2	13.1	7	16.3
A00309502	12.3	0.68	4	1.1	0.29	0.18	31.4	8.5	<5	19.4
A00309503	47.1	0.03	4	0.7	0.08	0.04	27.4	9.5	9	15.9
A00309504	44.2	0.03	5	0.7	0.09	0.05	28.0	9.3	9	15.8
A00309505	71.0	0.16	18	1.0	0.08	0.33	31.6	16.3	<5	17.1
A00309506	26.4	0.11	6	0.3	<0.04	0.37	11.1	5.1	<5	5.0
A00309507	7.8	0.12	2	0.1	<0.04	0.39	3.91	0.9	<5	1.2
A00309508	54.7	0.25	19	1.0	0.09	0.46	28.2	15.7	<5	15.8
A00309509	53.6	0.24	14	1.0	0.05	0.36	31.8	15.5	<5	19.3
A00309510	72.9	0.23	14	1.0	0.05	0.26	31.7	15.3	<5	19.7
A00309511	66.5	0.21	5	0.9	0.07	0.13	38.2	12.5	<5	21.3
A00309512	51.1	0.30	5	1.0	<0.04	0.10	33.6	14.3	<5	22.1
A00309513	55.3	0.08	17	0.9	0.07	0.28	28.1	13.1	<5	16.6
A00309514	63.6	0.15	24	0.8	0.09	0.38	30.5	16.5	<5	17.1
A00309515	59.6	0.44	25	0.9	0.14	1.59	30.7	13.8	<5	17.0
A00309516	54.2	0.15	8	0.8	<0.04	0.09	24.0	27.2	<5	22.8
A00309517	55.5	0.19	9	0.8	<0.04	0.07	24.3	28.3	<5	23.1
A00309518	62.8	0.09	9	0.7	<0.04	0.11	22.0	22.3	<5	23.8
A00309519	47.6	0.06	9	0.8	<0.04	0.05	23.0	28.9	<5	22.1
A00309520	58.0	0.17	21	0.8	0.11	0.36	29.8	16.0	<5	17.3
A00309521	13.0	<0.02	2	1.6	<0.04	<0.02	21.9	4.6	<5	24.5
A00309522	49.5	0.12	22	0.8	0.34	0.33	25.3	24.6	15	18.6
A00309523	29.1	0.10	27	0.7	0.36	0.17	16.0	19.8	41	20.6
A00309524	24.9	0.07	32	1.0	0.25	0.32	11.2	28.5	70	21.0
A00309525	38.4	0.07	24	0.9	0.35	0.46	20.3	25.3	48	18.8
A00309526	36.4	0.05	35	1.1	0.22	0.31	20.3	19.5	61	20.5
A00309527	38.9	0.08	32	1.0	0.19	0.34	21.2	24.8	54	18.7
A00309528	66.1	0.12	24	0.9	0.09	0.29	31.2	15.8	<5	17.0
A00309529	49.6	0.48	15	1.0	0.07	0.20	30.0	16.8	11	21.3
A00309530	38.3	0.26	7	1.0	0.04	0.09	25.7	16.7	9	23.6
A00309531	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
A00309532	11.4	0.66	4	1.0	0.29	0.18	28.1	8.3	<5	20.4
A00309533	34.5	0.23	35	0.7	0.08	0.99	21.1	11.1	7	13.6
A00309534	48.9	0.09	46	0.9	0.09	0.59	39.0	13.0	24	27.1
A00309535	62.8	0.19	18	0.8	0.08	0.25	29.4	14.8	<5	17.5
A00309536	50.9	0.11	13	0.8	0.07	0.24	27.0	10.0	8	17.4
*Dup A00309537	51.7	0.29	35	0.8	0.05	0.50	27.0	6.1	10	18.2
A00309537	48.6	0.22	25	0.8	0.06	0.42	26.0	5.8	10	17.9
A00309538	49.7	0.16	14	0.9	0.14	0.37	26.5	12.0	<5	17.7
A00309539	39.1	0.29	13	0.8	0.06	0.28	16.5	2.1	7	17.1
A00309540	32.1	1.58	40	0.7	0.07	0.42	9.63	3.0	7	15.2
A00309541	36.1	0.37	11	0.9	0.04	0.07	22.6	5.7	9	18.1
A00309542	37.1	0.42	13	0.8	<0.04	0.09	22.5	5.8	8	17.5

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00309543	38.1	0.29	7	1.0	0.05	0.07	26.9	3.7	10	17.4
A00309544	57.9	0.19	23	0.9	0.13	0.32	29.5	16.8	<5	17.0
A00309545	51.9	0.11	16	0.8	0.08	0.45	26.9	10.1	<5	18.1
A00309546	40.6	0.08	14	0.7	0.06	0.34	21.2	3.4	<5	18.0
A00309547	37.8	0.13	11	0.6	0.11	0.55	20.0	3.2	<5	17.9
A00309548	37.4	0.06	9	0.6	0.05	0.30	19.2	3.0	<5	17.6
A00309549	28.6	0.16	15	0.4	0.05	0.43	12.2	8.6	<5	8.3
A00309550	21.4	1.20	12	0.5	<0.04	5.83	13.4	4.1	<5	12.6
A00309551	11.0	0.69	3	1.2	0.28	0.22	25.4	8.9	<5	20.0
A00309552	7.5	2.86	13	0.2	0.04	10.7	4.48	3.9	<5	6.1
A00309553	4.6	0.61	2	<0.1	<0.04	0.43	1.77	57.7	<5	3.3
A00309554	53.9	0.38	20	0.9	0.17	0.34	29.4	16.6	<5	16.9
A00309555	48.2	0.15	15	1.0	0.08	0.21	28.0	13.6	<5	20.0
A00309556	43.4	0.12	20	1.2	<0.04	0.10	23.3	9.9	6	22.4
A00309557	12.8	0.02	3	1.7	<0.04	<0.02	21.0	5.1	<5	22.7
A00309558	31.3	0.08	4	0.8	<0.04	0.05	7.98	3.3	<5	16.3
A00309559	58.3	0.11	25	0.9	0.10	0.19	26.6	15.7	<5	18.4
A00309560	65.8	0.14	33	1.1	<0.04	0.07	32.6	12.7	8	22.7
A00309561	49.5	0.16	57	0.7	0.06	0.07	16.9	4.5	<5	18.6
A00309562	45.2	0.23	67	0.7	0.09	0.08	13.9	3.6	<5	17.7
A00309563	46.4	0.25	73	0.8	0.09	0.06	21.5	4.8	<5	19.4
A00309564	57.6	0.16	22	0.8	0.15	0.30	30.0	15.4	<5	17.4
A00309565	49.4	0.17	16	0.8	0.07	0.09	24.7	15.8	7	21.3
A00309566	36.1	0.17	102	0.9	0.05	0.18	22.6	16.4	17	23.2
A00309567	37.2	0.12	42	0.8	0.06	0.13	22.9	14.2	11	23.4
A00309568	54.1	0.20	22	0.9	0.11	0.29	31.6	15.0	5	18.6
A00309569	59.0	0.16	17	1.0	0.07	0.18	32.7	13.8	7	18.8
A00309570	59.7	0.10	14	1.1	<0.04	0.06	34.0	12.3	11	21.9
A00309571	11.3	0.68	4	1.0	0.28	0.21	25.9	8.5	<5	20.5
A00309572	65.1	0.17	9	1.1	<0.04	0.06	35.2	15.6	9	24.0
*Dup A00309572	64.5	0.18	10	1.1	<0.04	0.07	37.0	15.2	9	24.0
*Rep A00309513	55.3	0.10	16	0.8	0.06	0.28	27.9	13.1	<5	16.3
*Rep A00309571	11.0	0.66	4	1.1	0.28	0.20	24.7	8.6	<5	20.8
*Std CH-4	111	2.21	9	0.6	0.57	1.10	33.3	25.7	<5	20.7
*Std CH-4	114	2.09	11	0.7	0.40	1.15	32.3	27.9	<5	20.6
*Blk BLANK	<0.5	0.04	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<0.5	0.03	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00309501	2.37	0.04	15.2	0.28	2.68	5.1	13.8	63.0	4.15	13.2
A00309502	0.46	0.08	17.0	0.15	154	6.7	17.6	67.4	0.55	6.4
A00309503	1.70	0.03	14.6	0.23	1.65	3.4	9.6	54.0	3.45	9.3
A00309504	1.67	0.03	14.7	0.22	1.51	3.3	10.2	50.6	4.16	9.3
A00309505	2.46	0.05	15.3	0.32	2.70	6.3	14.3	40.2	2.73	16.6
A00309506	0.80	<0.02	8.7	0.14	1.59	2.1	5.9	15.1	0.94	5.2
A00309507	0.21	<0.02	5.9	0.08	0.98	0.6	3.1	4.7	0.44	1.3
A00309508	2.37	0.05	13.7	0.29	2.69	5.5	14.5	38.2	2.87	15.4
A00309509	2.81	0.05	15.0	0.30	2.38	8.4	9.9	44.7	2.15	14.6
A00309510	2.81	0.05	15.2	0.29	2.43	8.6	10.8	45.2	1.93	14.3
A00309511	1.55	0.05	18.2	0.16	1.51	9.3	7.1	53.4	1.66	13.0
A00309512	3.23	0.04	16.0	0.28	2.14	10.6	5.7	47.9	1.05	13.4
A00309513	2.31	0.04	13.6	0.29	2.06	5.9	10.4	44.2	2.42	13.1
A00309514	2.38	0.05	14.9	0.32	3.02	6.0	14.4	37.9	2.46	16.1
A00309515	2.30	0.06	15.1	0.28	4.98	6.5	18.9	50.6	3.81	13.0
A00309516	2.23	0.05	10.5	0.28	1.33	5.9	9.0	31.5	0.52	19.7
A00309517	2.39	0.06	10.7	0.28	1.97	6.0	7.3	31.7	0.41	20.3
A00309518	2.24	0.07	9.8	0.28	2.17	5.6	9.8	18.8	0.49	19.9
A00309519	2.29	0.05	10.1	0.28	1.11	5.9	6.1	32.0	0.38	20.3
A00309520	2.06	0.05	14.3	0.26	5.25	6.3	13.2	44.9	2.64	14.7
A00309521	0.70	<0.02	11.5	0.08	1.26	3.3	11.2	48.7	0.39	2.6
A00309522	1.86	0.12	12.5	0.26	2.72	5.4	11.9	60.4	4.31	17.8
A00309523	1.07	0.14	7.6	0.20	1.38	2.7	10.3	91.8	7.10	20.1
A00309524	0.93	0.09	4.7	0.20	0.81	2.7	10.0	173	6.96	23.1
A00309525	1.49	0.11	9.3	0.23	0.93	4.1	11.4	106	5.90	19.3
A00309526	1.65	0.10	9.3	0.23	0.89	4.6	13.2	120	8.32	21.2
A00309527	1.64	0.09	9.8	0.24	1.11	4.6	12.9	112	6.86	18.8
A00309528	2.09	0.05	15.0	0.25	2.62	6.1	10.9	42.2	2.24	14.4
A00309529	1.53	0.06	14.6	0.22	33.0	8.9	13.8	82.1	2.70	11.8
A00309530	1.13	0.04	12.8	0.19	73.7	10.1	9.4	92.2	0.90	10.0
A00309531	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
A00309532	0.42	0.08	14.7	0.14	165	6.6	16.0	64.7	0.54	5.7
A00309533	1.37	0.05	9.5	0.21	45.8	4.8	27.5	45.8	16.4	11.7
A00309534	2.62	0.08	16.8	0.33	55.9	11.2	45.5	88.1	17.2	24.8
A00309535	2.03	0.04	13.8	0.25	6.23	6.3	10.9	46.8	2.80	13.3
A00309536	1.75	0.03	12.9	0.25	33.1	6.0	10.5	66.3	3.87	9.3
*Dup A00309537	1.75	0.03	12.6	0.27	25.8	6.4	13.6	85.9	34.5	6.1
A00309537	1.68	0.03	12.2	0.26	27.6	6.1	12.9	80.8	24.4	6.0
A00309538	1.75	0.05	12.9	0.23	9.34	5.8	12.5	50.4	3.02	12.9
A00309539	1.41	<0.02	8.8	0.14	56.4	5.4	11.3	68.3	8.17	2.7
A00309540	1.38	0.02	5.1	0.13	60.6	4.2	30.1	75.7	68.3	2.6
A00309541	1.55	<0.02	11.7	0.21	44.6	6.1	7.4	79.3	6.11	5.4
A00309542	1.57	<0.02	11.7	0.19	56.0	5.9	9.7	76.2	8.36	5.2

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00309543	1.66	0.02	14.1	0.19	82.6	5.6	7.0	65.9	1.75	4.6
A00309544	2.50	0.06	13.8	0.31	5.94	5.9	12.6	47.7	3.04	16.2
A00309545	1.93	0.04	13.1	0.21	8.96	6.1	12.1	58.5	9.26	9.7
A00309546	1.46	<0.02	10.6	0.10	9.60	5.7	9.0	62.9	10.6	2.5
A00309547	1.37	<0.02	9.8	0.10	15.2	5.7	12.9	56.4	14.3	2.2
A00309548	1.31	<0.02	9.4	0.10	8.66	5.5	9.5	65.2	10.5	1.9
A00309549	0.88	0.02	5.7	0.11	5.25	2.9	11.6	25.6	3.44	6.7
A00309550	0.81	<0.02	6.4	0.06	13.5	4.1	359	50.1	19.4	1.4
A00309551	0.43	0.08	13.3	0.14	149	6.6	16.3	58.2	0.53	6.3
A00309552	0.23	<0.02	2.0	0.03	11.2	1.6	665	17.5	38.2	0.8
A00309553	0.12	<0.02	0.8	0.01	5.23	0.4	46.1	7.4	2.96	0.4
A00309554	2.07	0.06	13.7	0.26	4.46	5.9	13.7	44.2	2.77	15.5
A00309555	1.90	0.03	13.4	0.30	27.6	5.5	12.1	86.3	1.81	17.3
A00309556	1.35	<0.02	10.9	0.29	33.2	5.3	7.1	104	1.64	16.6
A00309557	0.70	<0.02	10.6	0.08	1.27	3.2	10.8	53.2	0.38	2.6
A00309558	1.20	<0.02	4.2	0.11	25.4	3.8	4.9	55.9	1.11	2.9
A00309559	1.85	0.05	12.8	0.22	22.8	5.9	11.2	53.1	2.62	13.4
A00309560	2.76	0.05	15.7	0.30	100	5.2	5.9	105	3.70	19.9
A00309561	1.70	0.02	10.1	0.14	36.6	4.5	7.0	110	4.56	3.1
A00309562	1.59	0.03	8.0	0.13	117	4.8	7.0	93.4	5.42	1.9
A00309563	1.64	0.03	12.8	0.13	149	4.7	7.4	89.7	4.07	2.3
A00309564	2.46	0.05	13.9	0.31	6.45	5.7	12.6	50.2	2.66	16.0
A00309565	1.77	0.15	10.9	0.24	14.1	5.0	7.8	62.3	0.80	24.6
A00309566	1.87	0.15	10.5	0.25	37.1	4.4	10.5	90.1	4.48	27.6
A00309567	1.45	0.16	10.5	0.23	9.44	3.0	8.7	52.5	1.10	27.8
A00309568	1.96	0.06	14.5	0.25	4.75	5.7	11.3	51.2	3.38	15.3
A00309569	2.31	0.04	15.6	0.27	15.0	6.1	9.4	71.5	4.46	13.2
A00309570	1.91	0.02	16.0	0.23	11.7	6.0	4.6	94.4	4.93	10.9
A00309571	0.41	0.08	13.8	0.14	162	6.7	16.7	63.6	0.53	6.1
A00309572	1.88	0.04	16.5	0.24	20.9	6.4	4.2	102	2.64	11.0
*Dup A00309572	1.92	0.04	17.3	0.25	22.5	6.5	4.6	101	2.85	11.2
*Rep A00309513	2.19	0.04	14.0	0.29	2.02	5.5	10.4	42.1	2.25	13.0
*Rep A00309571	0.42	0.08	13.1	0.13	161	6.7	15.8	65.9	0.52	6.0
*Std CH-4	3.17	0.12	16.6	0.17	2.72	3.3	17.6	68.7	0.69	12.9
*Std CH-4	3.28	0.13	15.6	0.18	2.71	3.4	17.7	75.3	0.70	13.4
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	<0.5	<0.2	<0.05	<0.1

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	<0.5	<0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309501	<2	0.9	0.32	0.50	<0.05	5.2	0.56	2.39	0.9	16.3
A00309502	<2	2.7	0.32	0.34	0.13	5.3	0.43	1.05	0.5	9.9
A00309503	<2	0.7	0.25	0.35	<0.05	6.7	0.35	2.81	0.6	11.3
A00309504	<2	0.7	0.25	0.38	<0.05	6.9	0.35	2.84	1.6	12.4
A00309505	<2	0.9	0.38	0.63	<0.05	3.3	0.38	1.61	1.5	19.2
A00309506	<2	0.4	0.06	0.32	<0.05	1.1	0.16	1.31	0.5	14.8
A00309507	<2	<0.3	<0.05	0.22	<0.05	<0.2	0.07	1.16	0.2	15.4
A00309508	<2	0.8	0.34	0.57	<0.05	3.2	0.40	1.57	0.9	17.7
A00309509	<2	0.9	0.52	0.62	<0.05	3.0	0.37	1.72	0.8	18.5
A00309510	<2	0.9	0.53	0.61	<0.05	3.0	0.36	1.68	0.9	19.0
A00309511	<2	0.9	0.52	0.56	<0.05	2.2	0.26	1.36	0.9	15.0
A00309512	<2	1.0	0.65	0.65	<0.05	3.1	0.28	1.65	0.8	19.0
A00309513	<2	0.8	0.36	0.56	<0.05	3.4	0.40	1.62	0.7	17.1
A00309514	<2	0.9	0.37	0.64	<0.05	3.4	0.43	1.67	1.0	19.3
A00309515	<2	0.9	0.44	0.56	0.06	3.9	0.49	1.80	1.4	16.5
A00309516	<2	0.8	0.39	0.66	<0.05	1.3	0.13	0.45	0.6	19.5
A00309517	<2	0.8	0.41	0.68	<0.05	1.3	0.11	0.51	0.4	20.1
A00309518	<2	0.9	0.37	0.62	<0.05	1.2	0.07	0.50	0.4	18.7
A00309519	<2	0.8	0.39	0.66	<0.05	1.2	0.11	0.42	0.3	19.9
A00309520	<2	0.9	0.35	0.56	<0.05	3.2	0.42	1.51	1.0	17.0
A00309521	<2	0.8	0.17	0.20	<0.05	2.2	0.22	0.83	0.2	5.3
A00309522	<2	1.2	0.33	0.54	0.23	2.4	0.78	1.23	7.4	16.5
A00309523	<2	1.4	0.17	0.49	0.35	0.7	1.23	0.61	4.3	14.8
A00309524	<2	1.0	0.17	0.47	0.13	0.6	2.34	0.43	4.3	15.5
A00309525	<2	1.3	0.25	0.54	0.49	1.3	1.47	0.81	3.4	15.8
A00309526	<2	1.1	0.27	0.54	0.14	1.2	1.74	0.54	11.9	15.0
A00309527	<2	1.2	0.29	0.57	0.13	1.5	1.66	0.80	4.3	16.7
A00309528	<2	0.9	0.34	0.57	<0.05	3.6	0.40	1.56	0.8	16.1
A00309529	<2	1.5	0.55	0.56	<0.05	2.9	0.60	1.24	1.6	16.0
A00309530	<2	1.6	0.63	0.50	<0.05	2.2	0.58	0.97	1.3	13.9
A00309531	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
A00309532	<2	2.7	0.33	0.31	0.12	4.8	0.43	1.01	0.5	9.1
A00309533	<2	1.4	0.33	0.48	<0.05	2.5	0.64	1.13	3.0	15.1
A00309534	<2	3.0	0.72	0.80	<0.05	3.5	0.97	1.42	21.1	22.6
A00309535	<2	1.0	0.42	0.54	<0.05	3.4	0.41	1.56	1.4	15.8
A00309536	<2	1.0	0.41	0.49	<0.05	3.9	0.58	1.68	2.2	15.4
*Dup A00309537	<2	1.0	0.44	0.45	<0.05	4.7	0.76	1.95	6.7	13.7
A00309537	<2	1.0	0.42	0.44	<0.05	4.5	0.74	1.88	6.3	13.4
A00309538	<2	1.0	0.40	0.51	<0.05	3.2	0.45	1.53	1.2	15.6
A00309539	<2	0.7	0.49	0.22	<0.05	5.2	0.63	2.00	3.0	7.6
A00309540	<2	0.4	0.35	0.19	0.06	4.3	0.77	2.51	2.8	7.0
A00309541	<2	0.6	0.50	0.34	<0.05	5.0	0.71	2.24	2.2	11.3
A00309542	<2	0.6	0.50	0.34	<0.05	4.7	0.73	2.23	2.2	11.4

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309543	<2	0.7	0.48	0.36	<0.05	5.3	0.45	2.47	3.4	11.9
A00309544	<2	1.0	0.41	0.59	0.05	3.4	0.48	1.62	1.3	18.5
A00309545	<2	0.8	0.44	0.42	<0.05	4.4	0.51	1.49	2.9	13.0
A00309546	<2	0.5	0.47	0.20	<0.05	5.2	0.60	1.35	3.4	5.4
A00309547	<2	0.5	0.46	0.20	<0.05	4.7	0.54	1.31	5.9	5.5
A00309548	<2	0.5	0.44	0.18	<0.05	4.7	0.61	1.24	5.1	4.9
A00309549	<2	0.6	0.14	0.25	<0.05	1.3	0.25	0.66	4.3	6.6
A00309550	<2	0.7	0.30	0.15	<0.05	3.6	0.53	0.87	18.5	3.5
A00309551	<2	2.4	0.33	0.31	0.13	4.5	0.41	0.88	0.5	9.1
A00309552	<2	0.5	<0.05	0.07	0.12	0.9	0.20	0.36	26.9	1.7
A00309553	<2	0.3	0.05	<0.05	<0.05	0.3	0.09	0.14	580	0.7
A00309554	<2	1.0	0.39	0.55	0.12	3.3	0.45	1.53	4.0	16.2
A00309555	<2	1.0	0.36	0.56	<0.05	3.4	0.51	1.29	10.0	18.1
A00309556	<2	1.2	0.35	0.53	<0.05	3.2	0.54	1.11	2.7	17.1
A00309557	<2	0.6	0.18	0.20	<0.05	2.2	0.21	0.94	11.5	5.2
A00309558	<2	0.5	0.35	0.15	<0.05	3.9	0.35	1.16	2.1	5.7
A00309559	<2	1.0	0.40	0.50	<0.05	3.0	0.45	1.40	4.2	14.1
A00309560	<2	2.8	0.36	0.60	<0.05	3.0	0.57	2.13	3.1	19.4
A00309561	<2	0.7	0.40	0.22	<0.05	5.4	0.77	2.36	10.3	7.5
A00309562	<2	0.7	0.42	0.18	<0.05	4.9	0.75	1.88	6.0	6.3
A00309563	<2	0.8	0.42	0.22	<0.05	5.2	0.70	2.00	12.8	7.1
A00309564	<2	0.9	0.38	0.60	0.05	3.3	0.45	1.50	1.4	17.9
A00309565	<2	2.4	0.35	0.57	<0.05	2.2	0.37	1.14	9.7	17.6
A00309566	<2	2.9	0.30	0.54	<0.05	2.0	0.57	0.75	15.8	16.2
A00309567	<2	2.7	0.16	0.56	<0.05	1.7	0.33	0.68	5.0	17.2
A00309568	<2	1.4	0.38	0.57	<0.05	3.2	0.54	1.49	2.3	16.4
A00309569	<2	1.7	0.40	0.55	<0.05	3.2	0.44	1.46	3.7	17.5
A00309570	<2	2.2	0.41	0.52	<0.05	3.0	0.50	1.16	1.9	15.9
A00309571	<2	2.3	0.33	0.32	0.13	4.7	0.42	0.88	0.6	9.2
A00309572	<2	2.5	0.43	0.58	<0.05	3.1	0.52	1.23	3.7	17.1
*Dup A00309572	<2	2.6	0.44	0.60	<0.05	3.1	0.52	1.25	2.5	18.1
*Rep A00309513	<2	0.8	0.33	0.79	<0.05	3.4	0.40	1.61	0.6	17.6
*Rep A00309571	<2	2.0	0.34	0.30	0.14	4.5	0.44	0.76	0.5	8.8
*Std CH-4	2	1.0	0.22	0.39	0.52	2.5	0.39	0.78	3.9	10.5
*Std CH-4	2	1.0	0.25	0.39	0.32	2.4	0.38	0.76	3.0	10.4
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309501	1.8
A00309502	0.9
A00309503	1.3
A00309504	1.4
A00309505	2.1
A00309506	0.9
A00309507	0.5
A00309508	1.9
A00309509	1.9
A00309510	1.9
A00309511	1.2
A00309512	1.9
A00309513	2.0
A00309514	2.0
A00309515	1.8
A00309516	1.9
A00309517	1.9
A00309518	1.8
A00309519	1.9
A00309520	1.7
A00309521	0.5
A00309522	1.7
A00309523	1.4
A00309524	1.4
A00309525	1.7
A00309526	1.5
A00309527	1.7
A00309528	1.6
A00309529	1.5
A00309530	1.3
A00309531	L.N.R.
A00309532	0.9
A00309533	1.4
A00309534	2.4
A00309535	1.6
A00309536	1.6
*Dup A00309537	1.6
A00309537	1.6
A00309538	1.5
A00309539	0.8
A00309540	0.8
A00309541	1.3
A00309542	1.2

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309543	1.2
A00309544	2.2
A00309545	1.3
A00309546	0.6
A00309547	0.6
A00309548	0.6
A00309549	0.7
A00309550	0.4
A00309551	0.9
A00309552	0.2
A00309553	<0.1
A00309554	1.7
A00309555	2.0
A00309556	1.9
A00309557	0.5
A00309558	0.6
A00309559	1.5
A00309560	2.0
A00309561	0.9
A00309562	0.8
A00309563	0.8
A00309564	2.0
A00309565	1.6
A00309566	1.8
A00309567	1.6
A00309568	1.7
A00309569	1.8
A00309570	1.6
A00309571	0.9
A00309572	1.7
*Dup A00309572	1.7
*Rep A00309513	1.8
*Rep A00309571	0.9
*Std CH-4	1.1
*Std CH-4	1.1
*BIK BLANK	<0.1

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*BIK BLANK	<0.1

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Certificate of Analysis

Work Order: TK120137

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Aug 22, 2012

P.O. No. : PROJ: Lennac/2S-0137
Project No. : LENNAC
No. Of Samples : 2
Date Submitted : Aug 07, 2012
Report Comprises : Pages 1 to 7
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309573	4.385	<5	7.68	660	2.57	35	73.3	4.77	1.47	34
A00309574	6.000	<5	8.74	766	2.60	16	165	5.07	2.24	18
*Rep A00309573		<5								
*Std OXF100		798								
*Rep A00309574			8.57	742	2.62	16	161	5.08	2.22	19
*Std CH-4			7.51	452	1.84	57	2010	5.13	1.91	13
*BIK BLANK		<5								
*BIK BLANK			<0.01	<1	<0.01	2	0.7	<0.01	<0.01	<1

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
A00309573	1.29	1090	2.61	22.0	980	0.06	380	0.38	132	99
A00309574	1.09	612	3.41	9.3	990	0.03	349	0.41	139	65
*Rep A00309574	1.08	611	3.40	8.4	970	0.03	345	0.41	131	63
*Std CH-4	1.38	452	3.30	45.3	570	0.65	207	0.28	93	217
*BIK BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00309573	66.3	0.19	19	1.0	0.11	0.27	30.8	16.6	<5	16.6
A00309574	62.9	0.19	12	1.0	0.07	0.16	29.8	14.1	6	19.5
*Rep A00309574	60.6	0.22	12	1.0	0.07	0.15	29.7	14.1	6	20.1
*Std CH-4	114	2.08	9	0.7	0.60	1.10	29.4	26.1	<5	19.2
*Bik BLANK	<0.5									
*Bik BLANK		0.03	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00309573	2.25	0.05	14.5	0.25	12.2	6.8	11.9	50.3	2.87	15.0
A00309574	1.99	0.05	13.7	0.25	9.77	6.4	8.0	66.5	1.92	12.6
*Rep A00309574	1.95	0.05	13.7	0.24	9.99	6.2	8.3	66.0	1.91	12.5
*Std CH-4	3.11	0.12	14.0	0.17	2.68	3.3	16.5	72.4	0.66	12.8
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	0.9	<0.2	<0.05	<0.1

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00309573	<2	0.9	0.45	0.54	<0.05	3.8	0.39	1.71	1.3	16.4
A00309574	<2	1.6	0.42	0.52	<0.05	3.2	0.41	1.28	4.6	16.3
*Rep A00309574	<2	1.6	0.41	0.53	<0.05	3.2	0.43	1.22	4.6	16.1
*Std CH-4	<2	0.9	0.24	0.36	0.47	2.2	0.35	0.70	3.0	9.7
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Final : TK120137 Order: PROJ: Lennac/2S-0137

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Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
A00309573	1.7
A00309574	1.6
*Rep A00309574	1.7
*Std CH-4	1.0
*Blk BLANK	<0.1

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Certificate of Analysis

Work Order: TK120160

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Sep 06, 2012

P.O. No. : PROJ: Lennac/SHIPMENT: LLRE005-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Aug 14, 2012
Report Comprises : Pages 1 to 14
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309575	4.265	9	7.54	868	1.86	4	411	3.97	2.65	10
A00309576	4.760	9	7.12	824	2.57	6	436	4.31	2.53	9
A00309577	4.460	<5	7.22	657	1.74	6	312	4.35	2.65	5
A00309578	2.975	<5	7.67	556	2.92	31	51.5	4.02	1.31	33
A00309579	0.110	286	8.33	1340	2.39	16	1710	3.98	2.59	8
A00309580	2.445	7	8.44	786	2.86	9	153	4.11	2.36	10
A00309581	3.625	45	8.13	849	3.17	6	128	4.28	2.67	7
A00309582	4.295	<5	7.97	690	2.52	21	110	3.89	1.90	21
A00309583	3.270	5	8.55	583	1.63	12	135	3.35	2.65	13
A00309584	3.940	<5	6.93	555	2.02	6	68.7	3.09	2.64	8
A00309585	2.135	<5	4.98	860	1.07	6	3.7	1.14	2.39	6
A00309586	3.265	<5	7.62	568	2.42	6	110	3.04	2.59	8
A00309587	2.150	5	7.47	631	2.44	36	33.9	4.09	1.42	25
A00309588	2.640	11	8.45	743	2.66	21	376	4.65	1.92	18
A00309589	3.670	39	9.71	629	3.42	5	1690	5.33	2.73	5
A00309590	3.130	24	9.32	568	3.38	4	1140	5.57	4.09	7
A00309591	2.500	<5	8.01	561	2.68	30	81.2	4.24	1.45	28
A00309592	3.085	<5	8.05	670	2.86	22	31.7	3.54	1.89	24
A00309593	3.425	46	7.97	1010	3.29	9	32.2	2.46	2.28	22
A00309594	3.460	<5	8.12	1120	3.42	9	36.7	2.43	2.35	22
A00309595	3.625	8	8.40	740	3.70	13	11.0	2.85	2.14	18
A00309596	3.335	<5	7.97	600	1.94	37	62.1	4.45	1.41	28
A00309597	N.A.	6	7.67	726	3.03	9	71.0	2.39	2.25	15
A00309598	2.635	15	6.88	452	1.49	4	940	1.80	2.98	54
A00309599	3.875	18	7.06	1010	1.18	8	396	1.87	3.49	40
A00309600	4.620	22	6.61	679	0.94	3	870	1.41	3.64	36
A00309601	5.145	17	8.14	535	1.95	20	221	4.43	2.34	24
A00309602	3.675	12	8.42	494	1.71	13	46.6	3.50	2.11	17
A00309603	5.290	11	9.05	456	1.71	9	168	3.22	2.72	17
A00309604	2.835	11	7.74	351	2.12	6	16.9	2.88	2.60	12
A00309605	4.070	17	7.95	405	3.21	7	8.4	3.90	2.32	14
A00309606	4.625	13	8.06	727	3.72	7	25.3	3.85	2.05	14
A00309607	5.750	10	5.59	933	1.01	5	6.6	1.15	2.43	4
A00309608	1.915	28	8.57	594	1.09	24	122	5.47	1.85	19
A00309609	0.510	18	6.48	503	7.78	11	89.7	2.60	1.76	39
A00309610	2.155	12	7.44	670	4.94	9	38.1	2.24	2.29	25
A00309611	3.935	10	7.71	745	3.03	9	15.1	2.21	2.00	15
*Dup A00309611	N.A.	8	8.08	768	3.41	9	17.2	2.36	2.11	16
A00309612	4.385	9	9.62	309	3.38	13	24.9	3.97	1.55	11
A00309613	3.215	9	10.0	184	3.79	11	4.6	4.46	1.40	9
A00309614	3.935	11	9.77	139	4.05	8	1.9	3.41	1.45	8
A00309615	3.280	15	8.57	143	3.47	12	130	4.41	0.62	12
A00309616	0.110	263	7.73	1360	2.41	18	1740	4.13	2.59	9

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309617	3.780	13	8.87	91	4.18	11	67.0	4.72	0.71	8
A00309618	6.450	14	9.26	102	4.43	12	53.4	4.33	0.91	8
A00309619	2.835	<5	7.61	502	2.63	24	52.9	4.36	1.38	18
A00309620	3.475	6	8.39	201	3.41	7	179	4.80	1.21	9
A00309621	4.075	<5	8.27	176	3.26	9	162	4.42	1.10	9
A00309622	3.930	5	8.70	400	3.59	9	65.5	4.77	1.39	6
A00309623	3.490	19	7.01	859	1.40	12	760	2.33	3.12	17
A00309624	3.880	10	6.35	824	1.58	7	652	1.85	2.73	18
A00309625	3.900	26	8.33	884	2.01	11	1280	2.54	3.19	16
A00309626	3.900	17	6.27	798	1.95	11	569	2.35	2.72	11
A00309627	4.205	<5	7.95	592	3.12	33	99.4	4.20	1.54	26
A00309628	0.110	289	7.69	1360	2.38	17	1700	4.01	2.56	9
A00309629	4.450	20	7.89	208	3.60	15	1310	3.52	1.48	28
A00309630	4.015	25	8.44	297	3.72	11	1440	3.46	1.35	25
A00309631	1.790	<5	5.82	1040	1.22	8	3.8	1.38	2.41	6
A00309632	3.670	8	7.08	656	2.21	33	45.2	3.95	1.36	28
A00309633	4.320	19	8.03	636	2.59	24	662	4.06	1.66	22
A00309634	3.280	16	7.25	662	2.38	26	600	3.72	1.48	20
A00309635	4.365	43	8.19	549	2.69	15	1680	3.94	1.72	9
A00309636	4.480	36	8.09	574	2.50	14	1450	3.89	1.70	7
A00309637	0.110	527	6.26	459	2.28	34	4740	3.86	0.99	12
A00309638	2.690	17	7.85	622	1.63	21	140	3.90	1.47	19
A00309639	2.590	32	8.58	453	2.32	16	1140	3.99	1.69	10
A00309640	2.550	24	8.93	457	2.36	16	1180	4.12	1.69	10
A00309641	3.215	55	9.02	510	3.25	16	1960	3.69	1.90	6
A00309642	2.435	51	7.55	753	2.52	25	1450	2.74	2.57	5
A00309643	1.890	7	6.05	889	1.24	8	16.3	1.30	2.33	6
A00309644	3.970	17	8.68	517	2.78	22	334	4.25	1.66	18
A00309645	2.855	18	8.92	246	4.72	10	528	3.83	1.37	11
A00309646	0.110	295	7.72	1380	2.41	17	1690	4.02	2.54	8
A00309647	3.335	11	9.26	361	3.56	10	399	3.98	1.79	7
A00309648	1.580	17	7.92	622	1.50	27	139	4.43	1.42	21
*Dup A00309647	N.A.	10	9.10	357	3.51	10	395	4.08	1.78	7
*Rep A00309583			8.29	594	1.61	11	133	3.32	2.63	13
*Rep A00309637			6.44	461	2.33	34	4770	3.90	1.01	13
*Std CH-4			7.91	404	1.95	66	1820	4.96	1.91	12
*Std CH-4			7.59	398	2.01	80	1890	5.17	2.00	13
*Blk BLANK			<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01	<1
*Blk BLANK			<0.01	<1	<0.01	1	0.6	<0.01	<0.01	<1
*Rep A00309586		<5								
*Rep A00309634		27								
*Std SJ63		2720								
*Std SH65		1420								

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Element	Au
Method	FAA313
Det.Lim.	5
Units	ppb
*Std OXF100	815
*Std SJ63	2740
*Bik BLANK	<5

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309575	0.89	207	3.39	1.3	870	0.05	258	0.35	111	43
A00309576	1.02	245	3.82	1.4	840	0.04	285	0.38	117	49
A00309577	1.12	196	4.42	1.1	850	0.03	301	0.37	133	37
A00309578	1.20	980	2.26	19.4	840	0.07	392	0.37	121	90
A00309579	0.75	697	2.90	11.5	670	0.27	662	0.19	72	81
A00309580	1.21	427	3.97	3.2	900	0.01	422	0.39	116	36
A00309581	1.20	1560	3.72	2.1	880	0.29	366	0.37	124	31
A00309582	1.14	737	2.76	11.7	870	0.17	351	0.36	114	75
A00309583	0.95	327	2.53	6.8	790	0.08	254	0.37	123	65
A00309584	0.69	228	3.11	3.3	640	<0.01	180	0.33	108	40
A00309585	0.29	238	4.26	3.2	250	<0.01	623	0.11	31	38
A00309586	0.81	301	3.44	3.5	650	0.03	260	0.33	112	47
A00309587	0.92	976	2.34	18.9	870	0.04	303	0.36	112	98
A00309588	1.19	734	3.13	10.2	880	0.05	363	0.40	142	73
A00309589	1.74	457	3.85	1.3	990	0.20	448	0.61	207	45
A00309590	2.43	504	2.59	<0.5	1180	0.13	340	0.67	232	53
A00309591	1.20	954	2.56	18.1	800	0.17	319	0.37	111	99
A00309592	1.12	877	2.54	11.6	840	0.10	383	0.28	103	108
A00309593	0.77	772	2.38	5.7	740	<0.01	437	0.19	67	98
A00309594	0.74	766	2.42	5.1	740	<0.01	447	0.19	67	97
A00309595	0.94	856	2.48	5.5	790	<0.01	531	0.21	83	107
A00309596	0.99	1100	2.28	20.9	930	0.02	334	0.38	114	133
A00309597	0.85	832	2.29	5.0	710	<0.01	475	0.18	64	127
A00309598	0.70	606	0.15	2.2	310	0.79	262	0.09	24	269
A00309599	0.56	553	1.08	5.4	510	0.17	349	0.16	50	180
A00309600	0.47	376	0.51	1.6	340	0.71	302	0.09	22	176
A00309601	1.05	822	2.20	8.6	760	0.34	263	0.32	119	117
A00309602	0.67	630	2.24	7.1	700	0.39	241	0.31	106	75
A00309603	0.81	491	1.67	3.8	660	0.79	189	0.31	116	78
A00309604	0.93	486	1.33	2.0	540	1.26	140	0.26	75	41
A00309605	1.41	621	1.69	2.1	530	2.14	146	0.27	81	56
A00309606	1.65	741	2.27	2.0	580	1.38	196	0.28	84	83
A00309607	0.30	286	4.29	3.2	230	<0.01	541	0.12	31	46
A00309608	1.20	725	2.28	10.3	950	0.49	241	0.42	130	79
A00309609	0.53	740	1.46	5.5	620	0.15	275	0.19	64	146
A00309610	0.69	472	2.04	4.2	750	0.11	327	0.20	61	77
A00309611	0.72	346	2.68	4.6	700	0.28	426	0.20	58	42
*Dup A00309611	0.76	376	2.91	4.6	710	0.32	458	0.22	61	47
A00309612	1.58	666	3.32	4.8	840	0.52	292	0.36	115	57
A00309613	2.07	581	3.98	1.8	790	1.24	283	0.42	119	52
A00309614	1.70	518	3.59	1.1	870	1.18	246	0.37	109	50
A00309615	1.50	418	3.45	5.1	620	1.79	268	0.49	151	50
A00309616	0.77	712	3.04	12.2	650	0.26	646	0.20	73	82

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309617	1.73	455	3.65	4.6	610	1.39	298	0.52	157	50
A00309618	1.79	426	3.21	4.9	620	2.43	297	0.50	148	50
A00309619	1.49	683	2.70	14.0	800	0.35	333	0.43	132	66
A00309620	2.21	254	2.40	3.7	710	2.95	322	0.38	138	34
A00309621	1.78	212	2.76	3.8	640	3.09	339	0.35	127	31
A00309622	2.09	324	3.04	4.1	720	1.10	360	0.49	150	42
A00309623	0.51	193	2.65	4.9	770	0.73	367	0.16	66	38
A00309624	0.48	137	2.55	4.3	670	0.83	323	0.14	53	32
A00309625	0.68	146	2.84	4.5	730	1.44	418	0.16	60	73
A00309626	0.66	139	3.03	4.8	700	1.46	360	0.15	59	39
A00309627	1.28	1120	2.61	17.5	870	0.15	373	0.37	111	90
A00309628	0.75	692	2.95	11.8	670	0.27	619	0.20	72	81
A00309629	1.16	339	2.19	2.9	730	0.97	158	0.46	123	37
A00309630	1.05	316	2.21	2.8	660	1.31	207	0.45	135	49
A00309631	0.32	260	4.06	3.2	410	<0.01	665	0.13	39	43
A00309632	1.22	877	2.49	20.4	810	0.17	374	0.34	114	99
A00309633	1.45	709	2.73	12.3	750	0.28	362	0.42	115	88
A00309634	1.30	699	2.43	13.3	750	0.28	338	0.38	110	87
A00309635	1.68	421	3.34	6.1	630	0.54	367	0.47	143	68
A00309636	1.76	396	3.26	5.1	640	0.65	386	0.47	144	75
A00309637	1.13	630	2.27	25.3	460	0.68	265	0.27	103	54
A00309638	1.15	505	2.88	14.8	840	0.07	341	0.36	133	111
A00309639	1.68	342	2.94	7.0	740	0.67	347	0.45	158	78
A00309640	1.64	352	3.05	6.4	710	0.66	359	0.46	151	82
A00309641	1.64	329	3.07	5.8	670	1.28	389	0.40	140	156
A00309642	1.41	250	2.80	8.5	800	0.80	405	0.29	111	71
A00309643	0.35	291	4.22	3.1	310	<0.01	734	0.12	33	41
A00309644	1.74	680	2.96	11.4	770	1.16	328	0.36	131	73
A00309645	1.64	174	2.00	3.0	670	2.46	314	0.24	119	34
A00309646	0.76	697	2.96	11.8	670	0.27	652	0.20	72	83
A00309647	2.00	210	2.48	2.3	690	2.13	412	0.33	139	29
A00309648	1.27	687	2.85	14.1	820	0.37	312	0.36	134	82
*Dup A00309647	1.94	209	2.49	2.4	680	2.39	410	0.31	136	30
*Rep A00309583	0.97	331	2.53	6.5	750	0.07	252	0.36	134	63
*Rep A00309637	1.18	666	2.34	26.1	440	0.68	276	0.28	103	56
*Std CH-4	1.41	431	3.35	44.8	530	0.68	201	0.27	90	210
*Std CH-4	1.51	454	3.51	45.0	540	0.67	200	0.28	89	213
*BIK BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1
*BIK BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00309575	67.0	0.16	4	1.4	<0.04	0.05	23.2	12.9	8	18.7
A00309576	64.7	0.20	4	1.2	<0.04	0.05	25.0	12.6	6	18.8
A00309577	84.4	0.18	3	1.2	<0.04	0.04	20.8	13.5	<5	19.2
A00309578	63.0	0.14	20	0.9	0.12	0.30	33.7	14.7	<5	15.2
A00309579	11.7	0.67	3	1.1	0.27	0.21	30.9	8.2	<5	18.1
A00309580	58.6	0.11	6	1.1	<0.04	0.09	33.5	9.5	<5	18.6
A00309581	56.4	0.54	74	1.0	<0.04	0.07	33.5	9.0	5	18.7
A00309582	48.8	0.17	17	0.8	0.08	0.20	29.1	12.8	<5	16.4
A00309583	37.1	0.13	8	0.7	0.05	0.10	25.9	9.6	9	19.3
A00309584	28.2	0.07	3	0.8	<0.04	0.04	10.6	7.6	7	19.4
A00309585	10.8	<0.02	1	1.6	<0.04	<0.02	11.0	3.0	<5	19.7
A00309586	29.5	0.12	5	0.9	<0.04	0.09	16.2	8.3	8	19.7
A00309587	59.4	0.20	22	0.9	0.11	0.28	30.9	14.1	<5	15.3
A00309588	46.3	0.30	12	0.8	0.09	0.20	28.7	13.9	<5	16.9
A00309589	41.8	0.88	9	0.9	0.05	0.12	28.8	22.3	<5	19.9
A00309590	68.3	0.76	13	1.0	0.06	0.12	31.3	16.4	6	20.9
A00309591	57.6	0.19	19	0.8	0.19	0.33	29.5	14.3	<5	15.3
A00309592	49.1	0.12	11	1.0	0.13	0.20	26.8	13.0	6	17.0
A00309593	33.8	0.43	3	0.9	0.10	0.06	24.1	8.9	8	18.1
A00309594	34.3	0.55	3	1.0	0.10	0.07	23.7	8.6	8	18.1
A00309595	32.9	0.09	4	0.9	0.08	0.07	25.6	10.2	7	18.6
A00309596	59.3	0.29	23	0.9	0.11	0.50	33.3	15.3	<5	15.5
A00309597	32.1	1.01	4	0.9	0.13	0.15	21.9	8.2	6	16.9
A00309598	40.2	3.99	297	0.8	0.20	3.29	25.1	6.8	5	13.5
A00309599	47.3	1.64	133	0.8	0.12	1.25	28.3	6.5	<5	14.7
A00309600	41.7	4.00	297	0.8	0.18	1.41	26.0	6.9	6	14.5
A00309601	46.6	1.01	47	0.9	2.00	0.48	31.7	27.4	5	16.9
A00309602	38.3	0.45	16	1.0	0.44	0.17	29.3	10.5	5	17.4
A00309603	29.0	0.69	21	1.1	0.71	0.15	32.4	10.2	7	19.0
A00309604	35.2	0.48	7	0.8	1.98	0.07	27.0	12.9	7	14.2
A00309605	58.9	0.81	7	0.9	3.07	0.17	28.1	18.6	7	14.9
A00309606	47.3	0.58	8	1.0	1.02	0.25	30.0	14.4	7	15.9
A00309607	11.4	<0.02	3	1.8	0.06	<0.02	9.99	3.2	<5	20.4
A00309608	43.3	0.41	17	0.9	39.5	0.13	28.0	18.2	<5	18.4
A00309609	27.2	0.34	15	0.9	7.77	1.21	26.4	8.5	9	15.0
A00309610	26.1	0.11	9	0.9	1.08	0.51	22.6	6.3	7	16.9
A00309611	22.7	0.05	5	0.9	0.86	0.07	21.6	6.9	6	17.1
*Dup A00309611	23.5	0.08	5	1.0	0.82	0.08	24.8	7.9	7	19.5
A00309612	37.8	0.07	7	1.3	0.47	0.06	34.2	29.9	7	19.9
A00309613	26.6	0.05	3	1.2	0.65	0.02	33.7	48.2	6	21.0
A00309614	26.8	0.02	2	1.3	0.54	0.02	37.0	23.8	7	21.5
A00309615	44.4	0.17	7	1.1	0.77	0.08	31.3	10.2	8	21.3
A00309616	12.0	0.69	4	1.3	0.29	0.18	26.5	8.3	<5	18.6

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Element Method Det.Lim. Units	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
	0.5 ppm	0.02 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm	0.05 ppm	0.1 ppm	5 ppm	0.1 ppm
A00309617	41.0	0.09	5	1.0	0.67	0.06	32.5	13.6	7	20.7
A00309618	59.9	0.10	5	1.1	1.06	0.05	32.2	16.5	<5	21.4
A00309619	51.4	0.09	15	1.0	0.10	0.17	33.7	12.3	<5	17.4
A00309620	42.6	0.11	4	1.1	0.19	0.06	31.5	31.5	5	19.6
A00309621	37.1	0.09	5	1.1	0.19	0.05	32.6	34.1	<5	19.0
A00309622	48.0	0.04	5	1.1	0.10	0.05	32.9	8.6	7	18.9
A00309623	30.1	0.36	71	1.0	0.12	0.13	21.4	12.8	7	17.8
A00309624	26.2	0.26	64	1.0	0.09	0.12	21.7	11.6	7	16.9
A00309625	29.4	0.54	112	1.0	0.12	0.65	22.5	12.1	6	17.2
A00309626	27.6	0.31	26	1.0	0.18	0.12	15.3	10.7	7	18.3
A00309627	56.5	0.11	19	1.0	0.09	0.26	32.3	15.6	<5	16.0
A00309628	11.4	0.65	4	1.2	0.28	0.21	24.7	8.4	<5	18.7
A00309629	32.6	0.36	11	0.9	0.09	0.06	31.3	14.7	<5	18.9
A00309630	32.0	0.51	65	1.0	0.15	0.19	32.0	18.4	<5	18.8
A00309631	12.0	<0.02	2	1.8	0.05	<0.02	11.6	3.4	<5	20.5
A00309632	54.6	0.08	18	0.9	0.13	0.41	29.0	16.6	<5	15.5
A00309633	47.2	0.32	13	1.0	0.13	0.20	31.8	14.1	<5	17.0
A00309634	47.0	0.27	12	1.0	0.12	0.22	30.8	13.9	<5	16.4
A00309635	32.3	0.57	6	1.0	0.09	0.12	30.2	16.6	<5	18.1
A00309636	31.5	0.56	5	1.1	1.05	0.11	31.4	15.4	<5	17.7
A00309637	46.9	1.36	6	0.8	0.11	0.35	19.8	13.7	<5	12.5
A00309638	55.2	0.14	15	1.1	0.11	0.44	29.4	21.7	<5	17.2
A00309639	40.4	0.40	7	1.1	0.15	0.44	26.3	22.4	<5	18.8
A00309640	40.7	0.43	8	1.1	0.15	0.47	26.8	24.1	<5	18.5
A00309641	41.5	0.83	44	1.1	0.18	1.41	25.6	24.4	<5	18.6
A00309642	32.2	0.61	39	1.0	0.09	0.39	23.2	18.5	<5	18.0
A00309643	12.6	<0.02	2	2.0	<0.04	<0.02	11.2	3.7	<5	21.1
A00309644	62.6	0.22	14	1.0	0.18	0.21	27.1	15.1	<5	16.7
A00309645	30.4	0.17	10	1.1	0.09	0.08	27.3	22.0	6	18.7
A00309646	11.5	0.70	4	1.4	0.28	0.21	28.8	8.4	<5	18.6
A00309647	28.6	0.12	3	1.0	0.06	0.06	28.3	16.8	6	19.5
A00309648	51.4	0.12	18	1.0	0.14	0.20	30.4	18.6	9	17.1
*Dup A00309647	27.4	0.12	3	1.1	0.06	0.06	27.1	19.4	6	19.3
*Rep A00309583	34.9	0.13	8	0.8	0.05	0.10	24.8	9.3	8	18.9
*Rep A00309637	45.0	1.22	6	0.8	0.11	0.31	20.4	14.2	<5	12.8
*Std CH-4	108	2.11	8	0.7	0.69	1.05	33.5	24.0	<5	17.6
*Std CH-4	106	2.00	10	0.8	0.41	1.12	30.4	25.6	<5	18.9
*BIK BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1
*BIK BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00309575	1.92	0.04	10.8	0.20	11.1	6.6	2.8	72.6	0.72	9.8
A00309576	1.76	0.04	11.8	0.20	21.4	6.7	2.6	48.7	0.64	9.7
A00309577	2.03	0.04	9.7	0.19	8.14	6.6	2.5	47.3	0.42	8.4
A00309578	1.83	0.04	16.3	0.23	8.47	6.4	10.6	38.2	4.62	14.0
A00309579	0.39	0.07	16.8	0.13	165	7.0	15.7	69.3	0.52	6.1
A00309580	1.75	0.05	15.4	0.23	15.8	7.0	4.6	43.2	1.07	11.6
A00309581	1.60	0.05	16.7	0.22	17.9	6.8	4.4	56.9	3.35	11.1
A00309582	1.47	0.04	14.6	0.19	20.0	6.1	9.4	52.1	2.59	13.2
A00309583	1.04	0.03	12.7	0.16	55.4	4.9	6.3	66.2	2.18	12.7
A00309584	0.87	0.03	4.6	0.12	51.3	4.2	2.7	38.0	0.89	8.1
A00309585	0.59	<0.02	5.2	0.05	1.19	3.0	9.0	23.3	0.38	1.4
A00309586	0.90	0.03	7.4	0.14	78.2	4.3	6.4	45.6	1.00	9.3
A00309587	1.66	0.05	15.6	0.22	3.38	6.1	9.4	43.8	2.31	14.7
A00309588	1.33	0.06	14.4	0.20	17.9	5.3	7.7	49.7	1.66	15.4
A00309589	1.20	0.09	14.1	0.26	33.8	5.4	7.6	88.5	0.53	20.6
A00309590	1.47	0.08	13.8	0.29	147	6.1	8.9	132	0.61	23.9
A00309591	1.54	0.05	14.4	0.20	4.06	5.6	10.9	42.5	2.56	14.2
A00309592	1.41	0.04	13.2	0.14	2.97	5.1	14.2	59.5	1.59	10.6
A00309593	1.24	0.02	12.0	0.09	7.52	4.0	17.8	75.2	0.86	5.4
A00309594	1.23	0.02	11.9	0.08	7.54	4.0	18.2	77.8	0.87	5.2
A00309595	1.23	0.03	12.5	0.10	6.75	4.0	31.1	66.9	0.86	7.7
A00309596	1.67	0.05	15.9	0.21	8.70	6.3	12.0	42.5	3.02	14.8
A00309597	1.11	0.02	10.9	0.08	4.13	3.8	25.0	75.6	0.93	4.9
A00309598	1.46	0.05	13.8	0.11	14.3	4.5	69.5	93.8	54.6	2.1
A00309599	1.61	0.03	15.3	0.14	11.2	5.6	21.2	93.7	9.37	5.4
A00309600	1.59	0.05	14.4	0.11	9.49	5.4	35.1	106	46.0	1.9
A00309601	1.34	0.11	15.9	0.16	7.52	5.7	12.2	83.3	6.06	13.3
A00309602	1.08	0.05	14.0	0.16	2.20	5.4	7.9	78.4	2.39	11.5
A00309603	0.78	0.06	15.8	0.13	3.03	5.0	7.4	103	5.03	11.0
A00309604	0.92	0.10	13.3	0.11	0.77	4.2	4.9	99.7	1.66	8.4
A00309605	0.95	0.11	13.5	0.12	1.24	4.3	9.0	87.2	1.37	8.9
A00309606	1.07	0.08	14.6	0.13	1.12	4.8	8.5	81.6	2.01	9.3
A00309607	0.59	<0.02	4.8	0.05	0.86	3.0	8.5	21.9	0.47	1.3
A00309608	1.32	0.08	13.8	0.20	4.83	5.6	7.7	70.3	2.30	16.2
A00309609	0.86	0.06	13.8	0.08	2.97	3.8	50.1	63.5	26.5	5.7
A00309610	0.90	0.08	11.4	0.06	1.16	4.1	36.5	78.4	14.8	4.5
A00309611	0.81	0.08	10.6	0.06	1.29	4.1	8.2	59.7	2.01	4.6
*Dup A00309611	0.90	0.09	12.3	0.06	1.59	4.5	8.4	64.5	2.43	5.0
A00309612	1.12	0.09	17.0	0.19	1.64	6.3	4.8	56.3	1.61	13.7
A00309613	0.97	0.08	16.0	0.18	1.37	6.0	3.5	46.8	0.93	16.7
A00309614	1.03	0.08	17.2	0.19	1.21	6.8	4.1	60.7	1.29	13.5
A00309615	1.66	0.11	15.4	0.19	1.24	6.5	6.5	25.8	1.69	17.2
A00309616	0.41	0.07	14.1	0.13	167	7.1	15.1	66.0	0.56	6.1

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00309617	1.54	0.07	15.8	0.19	1.97	6.5	5.0	28.9	1.21	17.9
A00309618	1.52	0.06	15.8	0.19	1.49	6.4	5.8	37.9	1.49	17.3
A00309619	1.48	0.04	16.5	0.21	2.39	6.4	6.7	51.2	1.64	16.8
A00309620	1.19	<0.02	15.5	0.19	8.19	4.2	2.6	49.3	0.34	17.2
A00309621	1.09	<0.02	16.0	0.18	4.40	3.9	3.6	44.0	0.30	16.6
A00309622	1.29	0.03	15.9	0.19	2.00	6.1	4.1	57.2	0.32	17.1
A00309623	1.09	<0.02	10.3	0.08	39.7	2.4	7.0	77.3	1.09	5.4
A00309624	1.03	<0.02	10.7	0.07	54.4	1.8	5.6	68.1	1.95	4.4
A00309625	1.05	<0.02	11.6	0.07	36.7	2.2	7.1	85.9	1.80	4.8
A00309626	1.05	<0.02	7.3	0.06	36.7	2.2	5.6	63.2	0.70	4.3
A00309627	1.72	0.05	15.9	0.21	5.31	6.9	10.3	47.6	2.04	15.6
A00309628	0.39	0.07	13.0	0.13	157	7.1	14.7	63.0	0.55	6.2
A00309629	0.95	<0.02	14.9	0.20	79.0	5.4	2.1	62.6	1.53	16.3
A00309630	0.90	0.02	15.1	0.20	50.7	5.9	2.4	57.7	2.22	15.9
A00309631	0.64	<0.02	5.3	0.06	1.12	3.4	9.3	19.1	0.40	1.4
A00309632	1.72	0.05	14.4	0.22	2.88	5.9	9.4	42.1	1.92	14.7
A00309633	1.31	0.04	15.2	0.22	28.9	6.2	8.4	58.5	1.69	15.4
A00309634	1.34	0.04	14.7	0.20	31.0	6.1	7.7	53.2	1.57	14.9
A00309635	0.91	0.03	14.6	0.20	81.1	6.3	3.4	70.2	0.51	16.9
A00309636	0.86	0.03	15.1	0.20	69.3	6.3	5.8	70.7	0.41	17.4
A00309637	1.14	0.08	9.5	0.20	370	3.7	6.6	25.5	1.42	13.4
A00309638	1.53	0.04	14.0	0.21	9.79	6.2	7.4	51.5	2.37	15.4
A00309639	1.05	0.03	12.4	0.19	47.2	5.3	6.9	74.3	1.11	19.4
A00309640	1.11	0.03	12.6	0.19	52.0	5.4	7.6	72.2	1.28	19.5
A00309641	1.09	0.02	12.1	0.19	55.8	4.6	22.1	87.9	0.74	18.0
A00309642	1.00	<0.02	11.2	0.12	110	4.2	6.7	87.0	0.66	12.2
A00309643	0.67	<0.02	5.5	0.06	1.30	3.2	9.9	21.4	0.47	1.5
A00309644	1.23	0.03	13.2	0.18	8.21	4.3	7.1	63.6	2.21	16.7
A00309645	0.72	<0.02	13.2	0.14	18.6	2.3	3.5	63.1	1.32	16.1
A00309646	0.40	0.07	15.5	0.13	159	7.1	15.6	67.9	0.56	6.3
A00309647	0.72	<0.02	13.9	0.14	11.6	3.2	2.6	74.8	0.24	16.7
A00309648	1.43	0.04	14.6	0.20	4.82	4.9	7.6	49.9	2.20	17.0
*Dup A00309647	0.71	<0.02	13.1	0.15	16.5	3.2	3.5	73.8	0.46	16.2
*Rep A00309583	1.03	0.04	12.0	0.16	55.5	4.7	5.4	64.8	2.02	12.5
*Rep A00309637	1.15	0.08	9.9	0.20	370	3.9	6.3	25.8	1.35	13.4
*Std CH-4	3.07	0.11	17.0	0.16	3.06	3.5	17.3	77.0	0.66	12.2
*Std CH-4	3.10	0.11	15.0	0.15	3.11	3.7	15.4	77.6	0.69	13.1
*BIK BLANK	<0.02	<0.02	<0.1	<0.01	0.06	<0.1	1.1	<0.2	<0.05	<0.1
*BIK BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	<0.5	<0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309575	<2	2.1	0.44	0.41	<0.05	2.7	0.41	1.09	7.6	13.0
A00309576	<2	1.8	0.42	0.45	<0.05	2.2	0.37	0.68	5.9	14.0
A00309577	<2	2.1	0.41	0.39	<0.05	2.1	0.40	0.82	5.9	11.6
A00309578	<2	0.8	0.40	0.55	<0.05	3.1	0.34	1.32	1.7	15.4
A00309579	<2	2.6	0.32	0.33	0.14	4.8	0.41	0.92	0.6	9.3
A00309580	<2	1.2	0.44	0.56	<0.05	2.8	0.30	1.04	3.4	16.4
A00309581	<2	1.4	0.43	0.55	<0.05	2.8	0.44	0.94	7.0	16.3
A00309582	<2	0.9	0.38	0.48	<0.05	2.9	0.41	1.35	1.9	13.4
A00309583	<2	1.2	0.30	0.40	<0.05	2.0	0.34	0.89	3.5	10.3
A00309584	<2	1.0	0.27	0.23	<0.05	0.9	0.25	0.48	2.5	5.7
A00309585	<2	0.6	0.13	0.12	<0.05	1.5	0.19	0.55	0.1	2.9
A00309586	<2	0.9	0.27	0.30	<0.05	1.2	0.31	0.58	2.5	8.3
A00309587	<2	0.8	0.35	0.54	0.05	2.8	0.42	1.28	1.2	15.5
A00309588	<2	1.3	0.33	0.52	0.05	2.4	0.42	1.05	1.9	14.7
A00309589	<2	2.6	0.32	0.66	<0.05	1.6	0.44	1.21	6.9	19.6
A00309590	<2	3.6	0.36	0.74	<0.05	1.9	0.65	1.43	7.5	21.5
A00309591	<2	0.8	0.35	0.51	0.10	2.8	0.45	1.26	1.6	14.2
A00309592	<2	0.7	0.33	0.40	<0.05	3.4	0.50	1.78	1.0	10.8
A00309593	<2	0.4	0.30	0.25	<0.05	3.7	0.56	2.34	0.9	5.9
A00309594	<2	0.4	0.30	0.25	<0.05	3.8	0.58	2.37	0.8	5.9
A00309595	<2	0.5	0.28	0.30	<0.05	3.5	0.50	2.38	1.0	7.1
A00309596	<2	0.8	0.37	0.54	<0.05	3.1	0.41	1.31	1.3	15.1
A00309597	<2	0.5	0.28	0.23	<0.05	3.5	0.59	2.56	1.5	5.6
A00309598	<2	0.7	0.31	0.21	0.13	5.0	1.02	2.53	8.3	6.0
A00309599	<2	0.8	0.43	0.29	0.06	4.9	0.95	2.29	11.8	8.0
A00309600	<2	0.7	0.43	0.19	0.20	5.2	1.12	2.64	13.1	5.1
A00309601	<2	0.9	0.38	0.47	1.42	3.2	0.99	1.29	4.0	12.5
A00309602	<2	0.8	0.38	0.42	0.37	2.8	0.89	1.18	2.5	11.5
A00309603	<2	0.8	0.38	0.42	0.52	2.9	1.18	1.25	3.5	10.9
A00309604	<2	0.9	0.31	0.34	1.42	2.2	1.14	0.95	1.5	8.9
A00309605	<2	0.9	0.30	0.36	1.91	2.3	1.01	1.40	1.7	9.9
A00309606	<2	0.9	0.34	0.39	0.73	2.6	1.01	1.39	2.5	10.2
A00309607	<2	0.6	0.14	0.11	<0.05	1.3	0.22	0.74	0.2	2.7
A00309608	<2	0.9	0.35	0.53	33.2	2.4	1.02	1.13	1.3	15.2
A00309609	<2	0.6	0.25	0.33	6.33	2.8	0.72	1.90	2.0	8.4
A00309610	<2	0.5	0.26	0.23	0.64	3.5	0.81	2.37	1.5	5.5
A00309611	<2	0.5	0.28	0.21	0.54	3.3	0.64	2.32	5.8	4.7
*Dup A00309611	<2	0.5	0.30	0.24	0.52	3.7	0.71	2.50	7.7	5.3
A00309612	<2	1.0	0.43	0.53	0.15	3.5	0.85	1.29	1.6	16.7
A00309613	<2	1.1	0.40	0.57	0.22	2.9	0.78	1.19	2.5	17.2
A00309614	<2	1.1	0.47	0.56	0.18	3.6	0.88	1.29	6.3	17.1
A00309615	<2	1.5	0.46	0.54	0.22	2.7	0.49	1.56	1.4	15.8
A00309616	<2	2.8	0.33	0.30	0.14	4.3	0.43	0.89	0.5	8.7

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309617	<2	1.3	0.45	0.57	0.16	2.6	0.64	1.17	3.6	16.8
A00309618	<2	1.4	0.44	0.53	0.29	2.5	0.82	1.07	3.2	16.0
A00309619	<2	1.0	0.42	0.56	<0.05	2.8	0.69	1.12	1.5	16.3
A00309620	2	1.0	0.30	0.53	0.09	2.3	0.83	0.77	3.0	15.9
A00309621	2	1.0	0.29	0.52	0.10	2.3	0.71	0.78	6.0	15.4
A00309622	<2	1.1	0.44	0.55	<0.05	2.5	0.91	0.83	3.2	16.3
A00309623	<2	0.5	0.16	0.24	<0.05	3.2	0.77	1.85	3.5	5.6
A00309624	<2	0.4	0.13	0.24	<0.05	3.0	0.67	1.72	2.6	5.3
A00309625	2	0.5	0.14	0.22	0.06	3.5	0.74	1.95	5.4	5.0
A00309626	3	0.4	0.14	0.18	0.11	2.4	0.67	1.33	6.3	3.9
A00309627	<2	0.9	0.42	0.53	<0.05	3.3	0.42	1.40	1.1	15.3
A00309628	<2	2.6	0.32	0.29	0.13	4.1	0.42	0.75	0.5	8.4
A00309629	3	0.8	0.36	0.51	<0.05	2.5	0.90	0.91	3.0	14.7
A00309630	3	1.0	0.40	0.51	0.07	2.7	1.07	1.11	3.6	15.2
A00309631	<2	0.7	0.16	0.13	<0.05	1.2	0.21	0.63	0.1	3.2
A00309632	<2	0.8	0.36	0.53	0.08	2.9	0.40	1.36	0.8	15.3
A00309633	<2	0.8	0.39	0.56	0.06	2.9	0.52	1.17	1.3	15.8
A00309634	<2	0.8	0.39	0.53	<0.05	2.8	0.50	1.12	1.2	14.9
A00309635	<2	0.9	0.42	0.52	<0.05	2.6	0.63	0.91	1.7	15.5
A00309636	<2	0.9	0.43	0.52	0.16	2.6	0.64	0.87	2.3	15.3
A00309637	<2	1.4	0.21	0.44	0.09	1.9	0.21	0.76	21.8	13.7
A00309638	<2	0.9	0.39	0.52	0.05	2.9	0.65	1.21	1.6	15.0
A00309639	2	0.9	0.35	0.48	0.06	2.4	0.71	1.35	1.6	13.7
A00309640	2	0.8	0.35	0.49	<0.05	2.5	0.66	1.41	1.7	14.7
A00309641	3	0.6	0.30	0.46	0.13	2.5	0.70	1.40	2.5	13.5
A00309642	2	0.5	0.27	0.34	0.06	3.0	0.66	1.76	4.2	9.1
A00309643	<2	0.7	0.15	0.12	<0.05	1.6	0.21	0.76	0.2	3.1
A00309644	<2	0.8	0.27	0.50	0.09	2.7	0.78	1.06	1.5	14.0
A00309645	4	0.6	0.18	0.46	0.05	2.2	0.88	0.69	2.2	13.0
A00309646	<2	2.6	0.32	0.31	0.12	4.8	0.43	0.83	0.5	9.1
A00309647	3	0.7	0.24	0.48	<0.05	2.2	1.16	0.65	2.1	13.5
A00309648	<2	0.9	0.31	0.52	0.05	2.6	0.67	1.03	2.0	14.6
*Dup A00309647	3	0.6	0.24	0.46	<0.05	2.2	1.15	0.65	2.1	13.2
*Rep A00309583	<2	1.1	0.29	0.39	<0.05	2.0	0.33	0.86	3.5	10.0
*Rep A00309637	<2	1.4	0.22	0.46	0.08	2.0	0.21	0.78	22.7	14.1
*Std CH-4	2	1.0	0.24	0.37	0.52	2.3	0.37	0.70	3.3	9.7
*Std CH-4	<2	1.0	0.25	0.36	0.35	2.2	0.38	0.66	3.4	9.6
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309575	1.4
A00309576	1.4
A00309577	1.3
A00309578	1.5
A00309579	0.9
A00309580	1.6
A00309581	1.6
A00309582	1.3
A00309583	1.1
A00309584	0.8
A00309585	0.3
A00309586	1.0
A00309587	1.6
A00309588	1.4
A00309589	1.9
A00309590	2.1
A00309591	1.4
A00309592	1.0
A00309593	0.6
A00309594	0.5
A00309595	0.7
A00309596	1.5
A00309597	0.5
A00309598	0.7
A00309599	0.9
A00309600	0.7
A00309601	1.2
A00309602	1.1
A00309603	1.0
A00309604	0.8
A00309605	0.8
A00309606	0.9
A00309607	0.3
A00309608	1.5
A00309609	0.6
A00309610	0.4
A00309611	0.4
*Dup A00309611	0.4
A00309612	1.5
A00309613	1.4
A00309614	1.5
A00309615	1.5
A00309616	0.9

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00309617	1.5
A00309618	1.5
A00309619	1.5
A00309620	1.5
A00309621	1.4
A00309622	1.5
A00309623	0.5
A00309624	0.5
A00309625	0.4
A00309626	0.4
A00309627	1.5
A00309628	0.8
A00309629	1.5
A00309630	1.5
A00309631	0.4
A00309632	1.5
A00309633	1.5
A00309634	1.4
A00309635	1.4
A00309636	1.4
A00309637	1.4
A00309638	1.4
A00309639	1.3
A00309640	1.4
A00309641	1.3
A00309642	0.8
A00309643	0.4
A00309644	1.3
A00309645	1.1
A00309646	0.9
A00309647	1.1
A00309648	1.4
*Dup A00309647	1.1
*Rep A00309583	1.1
*Rep A00309637	1.4
*Std CH-4	1.0
*Std CH-4	1.0
*BIK BLANK	<0.1
*BIK BLANK	<0.1

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Certificate of Analysis

Work Order: TK120185

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Sep 14, 2012

P.O. No. : PROJ: Lennac /SHIPMENT: RRLE006-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Aug 26, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309649	2.535	21	7.43	294	1.52	14	162	3.97	1.53	38
A00309650	2.350	7	6.97	172	2.84	12	107	3.59	1.70	39
A00309651	1.915	<5	4.52	1280	0.77	9	6.9	1.12	2.10	6
A00309652	3.210	8	7.90	192	2.24	9	184	3.80	1.76	34
A00309653	1.530	<5	7.66	678	0.94	36	58.2	4.28	1.38	28
A00309654	2.205	<5	8.45	488	1.97	15	81.6	4.74	1.75	12
A00309655	3.480	11	8.59	370	3.30	9	98.4	5.42	1.70	6
A00309656	2.435	6	7.78	552	2.98	24	56.8	4.64	1.75	27
A00309657	3.020	6	8.25	519	2.99	10	33.5	4.86	1.43	17
A00309658	3.080	<5	8.39	535	3.01	9	32.9	4.90	1.48	17
A00309659	3.240	9	8.15	286	2.91	8	42.3	5.25	1.15	17
A00309660	2.165	25	8.38	551	2.55	13	1230	4.26	1.59	10
A00309661	2.955	20	8.31	392	2.48	13	1470	3.87	1.65	9
A00309662	3.950	15	8.55	401	2.26	12	967	4.31	1.91	9
A00309663	3.130	59	8.47	787	2.35	5	1430	5.17	2.46	8
A00309664	2.775	<5	7.35	627	2.39	38	66.5	3.65	1.60	28
A00309665	3.590	6	7.62	709	3.06	12	121	2.52	2.04	21
A00309666	2.715	8	7.13	617	2.48	9	41.9	2.27	2.34	18
A00309667	0.110	275	7.25	1490	2.12	18	1770	3.66	2.30	9
A00309668	2.810	<5	7.47	583	2.37	31	132	3.79	1.40	28
A00309669	3.230	23	8.27	353	2.55	18	680	3.76	1.64	11
A00309670	3.920	22	8.74	345	2.76	17	771	4.60	1.62	11
A00309671	4.145	19	8.40	294	2.61	16	748	4.42	1.57	11
A00309672	2.410	<5	7.05	591	2.17	33	35.4	3.78	1.35	30
A00309673	2.850	10	6.71	347	2.04	12	70.2	2.30	2.26	93
A00309674	3.420	13	7.01	206	2.28	10	171	2.39	2.86	45
A00309675	2.205	6	6.93	539	1.92	27	139	3.59	1.23	47
A00309676	1.560	<5	4.29	843	0.86	7	4.7	1.05	2.10	6
A00309677	3.730	9	7.28	178	1.89	9	582	3.60	1.35	63
A00309678	3.150	6	7.17	236	2.03	8	530	3.44	1.29	54
A00309679	2.740	6	8.14	445	3.46	23	107	5.03	1.17	24
A00309680	3.620	7	9.08	193	4.37	10	108	6.29	1.31	12
A00309681	0.105	274	6.85	1380	2.03	16	1600	3.44	2.09	8
A00309682	3.165	<5	7.91	136	3.46	7	108	5.58	1.38	9
*Dup A00309682	N.A.	<5	8.36	138	3.66	7	113	5.82	1.42	10
A00309683	3.700	<5	6.46	515	2.21	23	67.9	3.44	1.21	20
A00309684	3.090	<5	5.84	506	1.92	9	118	2.04	1.80	10
A00309685	3.690	5	6.05	309	2.02	8	207	2.39	2.20	10
A00309686	3.320	<5	6.26	500	2.10	28	51.9	3.19	1.06	24
A00309687	3.515	5	7.01	264	2.88	16	136	3.76	0.99	11
A00309688	3.560	6	8.43	190	4.20	15	267	4.77	0.99	25
A00309689	3.545	6	7.34	181	3.88	16	274	4.47	0.89	21
A00309690	3.245	<5	7.91	498	3.09	24	26.5	3.70	1.04	26

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00309691	3.860	7	9.37	116	6.14	11	33.7	3.52	0.32	15
A00309692	3.735	39	8.23	91	6.84	11	221	3.81	0.79	16
A00309693	2.645	6	8.11	412	3.19	20	18.5	4.04	1.30	24
A00309694	3.405	9	9.13	271	3.52	14	119	3.91	1.43	16
A00309695	2.920	12	8.60	170	3.44	10	30.7	3.92	1.37	14
A00309696	3.050	30	9.33	189	4.03	14	80.0	4.32	1.59	12
A00309697	3.075	41	9.22	196	4.02	15	67.5	4.24	1.56	12
A00309698	2.260	8	7.83	684	2.35	26	200	3.90	1.50	28
A00309699	3.695	26	8.48	460	2.85	13	1910	3.85	1.93	11
A00309700	3.510	33	8.57	811	2.26	11	2100	3.54	2.73	11
A00309701	3.200	26	8.75	924	2.22	12	2000	3.95	2.70	11
A00309702	2.370	32	10.4	631	4.78	6	17.6	5.39	1.81	13
A00309703	2.840	1540	9.31	492	2.93	4	24.1	5.31	1.60	12
A00309704	0.110	292	8.32	1560	2.24	15	1790	3.90	2.51	10
A00309705	2.750	23	9.19	567	3.71	5	4.5	4.94	1.38	13
A00309706	3.150	26	9.94	862	4.42	6	1.1	5.00	1.61	11
A00309707	2.695	7	9.65	564	4.07	6	<0.5	4.73	1.34	15
A00309708	2.210	<5	8.08	635	2.46	30	52.8	3.95	1.38	29
A00309709	2.745	<5	8.25	658	3.13	18	225	3.03	1.93	17
A00309710	1.250	<5	7.07	1210	0.55	5	13.1	1.07	2.50	5
A00309711	3.235	7	8.14	697	3.64	19	218	2.70	2.08	12
A00309712	2.710	21	8.13	690	2.49	23	150	4.60	2.66	31
A00309713	2.500	5	9.12	831	2.58	16	311	5.53	3.46	16
A00309714	0.110	325	8.22	1790	2.31	17	1690	3.89	2.46	9
A00309715	2.470	<5	7.59	664	2.55	33	76.3	3.92	1.40	27
A00309716	3.340	277	8.07	226	4.73	4	244	3.49	3.46	13
*Dup A00309716	N.A.	279	8.01	199	4.99	5	240	3.52	4.32	13
A00309717	3.080	<5	8.22	688	2.94	4	64.9	3.37	2.08	9
A00309718	2.480	39	9.12	695	0.74	5	1870	3.17	3.99	8
A00309719	3.020	22	8.84	252	1.01	7	1160	3.97	2.17	13
A00309720	1.890	<5	8.09	1610	1.19	7	10.4	1.28	2.56	8
A00309721	3.295	38	9.08	370	1.90	7	1570	3.50	2.32	14
A00309722	1.860	<5	7.94	566	2.14	26	37.5	4.40	1.76	18
*Rep A00309678		7								
*Rep A00309714		320								
*Std SH65		1370								
*Std OXF100		836								
*Std SJ63		2610								
*Std SH65		1370								
*Blk BLANK		<5								
*Rep A00309673			6.54	391	1.93	10	69.5	2.29	2.17	91
*Rep A00309690			8.10	516	3.20	25	27.0	3.79	1.07	26
*Std CH-4			7.65	428	1.86	86	1980	4.85	1.90	14

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*Std CH-4	7.66	425	1.79	70	1900	4.61	1.91	14
*Bik BLANK	0.03	1	<0.01	<1	<0.5	<0.01	<0.01	<1
*Bik BLANK	<0.01	<1	<0.01	1	<0.5	<0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309649	1.17	273	2.12	9.5	640	2.67	167	0.31	139	35
A00309650	1.31	140	1.45	5.5	520	3.89	98.3	0.28	134	39
A00309651	0.29	269	3.87	3.8	360	0.02	639	0.12	33	27
A00309652	0.69	188	1.93	5.1	600	3.64	101	0.18	121	26
A00309653	0.98	1030	2.64	21.6	790	0.07	314	0.38	120	91
A00309654	1.94	415	2.85	7.6	800	2.04	408	0.41	175	70
A00309655	2.18	393	2.72	5.0	700	3.15	421	0.47	191	89
A00309656	0.91	690	2.10	13.0	920	2.40	281	0.32	122	62
A00309657	1.36	387	2.84	2.5	1260	2.43	389	0.52	144	22
A00309658	1.45	401	2.93	2.9	1280	2.23	395	0.54	150	21
A00309659	1.42	320	3.02	3.3	1130	4.31	340	0.39	133	19
A00309660	1.29	588	3.40	5.2	770	0.16	298	0.47	135	56
A00309661	1.64	473	3.24	5.9	600	0.27	281	0.47	134	124
A00309662	1.73	566	3.67	4.3	680	0.20	315	0.50	153	50
A00309663	1.89	568	3.49	2.5	990	0.56	417	0.46	163	63
A00309664	1.00	845	2.27	20.7	820	0.43	337	0.32	103	73
A00309665	0.41	285	1.89	8.2	730	2.03	263	0.10	57	26
A00309666	0.36	161	2.11	6.9	750	2.28	261	0.09	51	15
A00309667	0.72	660	2.83	13.6	640	0.27	652	0.19	67	66
A00309668	1.18	788	2.50	16.6	780	0.43	353	0.34	114	117
A00309669	1.70	276	2.87	5.3	740	2.40	306	0.28	147	44
A00309670	2.07	383	2.86	5.5	770	2.86	349	0.34	151	50
A00309671	2.05	344	2.75	5.1	750	2.72	330	0.34	152	43
A00309672	1.01	894	2.20	19.5	840	0.09	330	0.35	110	87
A00309673	0.41	185	0.50	5.6	790	1.83	184	0.15	66	131
A00309674	0.31	221	1.24	5.8	730	2.06	274	0.14	57	293
A00309675	1.00	669	2.03	15.2	730	0.72	363	0.30	100	78
A00309676	0.26	220	3.99	4.7	280	0.01	540	0.11	30	30
A00309677	0.84	121	2.23	3.7	740	4.19	485	0.16	77	34
A00309678	0.94	157	2.90	4.4	710	4.22	460	0.15	63	17
A00309679	2.19	907	2.48	11.5	900	0.74	326	0.46	170	62
A00309680	3.76	756	2.53	5.6	990	1.82	341	0.65	279	37
A00309681	0.65	583	2.58	12.4	590	0.25	635	0.18	64	63
A00309682	3.93	648	2.26	3.0	930	2.11	303	0.60	247	80
*Dup A00309682	4.09	669	2.42	3.2	950	2.18	326	0.63	247	32
A00309683	1.10	720	2.24	11.8	710	0.63	285	0.26	97	51
A00309684	0.35	134	1.17	4.7	610	2.01	159	0.08	48	12
A00309685	0.35	106	1.35	5.0	610	2.63	179	0.07	42	9
A00309686	0.86	737	1.93	15.8	710	0.36	267	0.28	95	63
A00309687	1.14	277	1.90	6.5	590	2.14	214	0.29	114	24
A00309688	0.91	197	1.66	5.5	670	4.33	194	0.26	130	21
A00309689	0.84	185	1.52	4.3	610	4.21	173	0.33	126	25
A00309690	1.18	797	2.83	16.7	860	0.16	315	0.34	111	61

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00309691	1.34	701	3.29	4.2	770	0.31	303	0.37	119	54
A00309692	0.79	737	1.85	3.3	700	0.61	219	0.28	108	25
A00309693	1.39	761	2.82	13.3	850	0.43	371	0.34	114	62
A00309694	1.91	675	3.71	6.2	760	0.37	445	0.39	136	45
A00309695	1.99	496	3.27	2.8	790	0.85	406	0.41	128	46
A00309696	2.21	570	3.41	4.0	760	0.47	417	0.42	139	52
A00309697	2.15	565	3.38	3.9	740	0.55	416	0.40	140	52
A00309698	1.11	829	2.48	18.5	820	0.19	373	0.35	112	107
A00309699	1.58	273	2.59	5.6	700	1.81	327	0.41	86	36
A00309700	2.19	286	2.68	6.7	610	1.02	384	0.41	121	51
A00309701	2.56	353	2.76	5.1	620	1.03	375	0.45	135	61
A00309702	1.70	1650	2.50	2.7	820	0.33	248	0.28	129	71
A00309703	1.90	1360	2.79	1.2	880	1.01	276	0.34	134	82
A00309704	0.75	717	2.88	13.7	620	0.29	744	0.19	67	76
A00309705	1.71	1400	2.74	<0.5	830	0.61	318	0.34	129	65
A00309706	1.77	1490	2.37	1.3	870	0.16	319	0.35	137	58
A00309707	1.79	1390	2.63	1.1	880	0.31	383	0.36	130	59
A00309708	1.10	965	2.71	19.3	840	0.16	353	0.37	116	91
A00309709	0.82	367	2.40	12.8	840	1.07	424	0.26	88	36
A00309710	0.30	273	4.45	5.5	280	<0.01	601	0.11	29	41
A00309711	0.83	191	2.50	12.1	900	1.11	516	0.25	82	19
A00309712	1.23	773	2.24	11.9	750	0.65	284	0.37	128	75
A00309713	1.80	417	2.54	3.5	730	0.87	293	0.37	157	70
A00309714	0.72	630	2.95	16.1	760	0.30	750	0.19	79	75
A00309715	1.23	887	2.34	22.6	840	0.16	358	0.36	116	99
A00309716	0.75	835	1.02	2.0	880	2.33	233	0.37	85	427
*Dup A00309716	0.75	842	0.99	1.6	860	2.26	230	0.37	84	446
A00309717	1.07	317	3.36	1.3	1090	0.09	486	0.45	99	28
A00309718	1.26	198	3.46	3.1	820	0.15	227	0.37	136	27
A00309719	1.45	257	4.79	2.4	820	0.10	223	0.38	130	27
A00309720	0.39	289	4.22	4.2	400	<0.01	985	0.13	36	33
A00309721	1.80	227	3.49	1.9	900	0.21	337	0.38	145	42
A00309722	1.28	629	3.21	12.5	810	0.02	339	0.38	130	62
*Rep A00309673	0.40	173	0.48	5.7	750	1.78	177	0.15	62	104
*Rep A00309690	1.20	849	2.90	16.5	870	0.17	326	0.34	113	65
*Std CH-4	1.44	411	3.36	47.1	550	0.67	215	0.28	88	182

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*Std CH-4	1.42	415	3.26	45.7	520	0.66	214	0.26	84	180
*Bik BLANK	<0.01	5	<0.01	<0.5	<50	<0.01	0.6	<0.01	<2	1
*Bik BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
	0.5 ppm	0.02 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm	0.05 ppm	0.1 ppm	5 ppm	0.1 ppm
A00309649	46.4	0.19	32	0.9	0.21	0.17	27.2	23.3	8	19.7
A00309650	37.2	0.22	25	0.8	0.29	0.41	20.9	19.5	9	18.9
A00309651	11.0	<0.02	4	1.6	0.06	<0.02	9.41	3.3	<5	20.2
A00309652	35.9	0.22	27	0.8	0.26	0.25	28.6	16.6	6	17.8
A00309653	59.2	0.04	20	0.9	0.10	0.24	31.8	15.5	<5	16.2
A00309654	37.2	0.06	9	1.0	0.15	0.22	34.7	18.2	6	19.2
A00309655	40.6	0.06	7	0.9	0.22	0.43	35.0	21.9	7	19.3
A00309656	49.8	0.10	15	0.7	0.41	0.27	30.2	18.5	<5	13.8
A00309657	51.0	0.04	7	0.9	0.37	0.05	38.2	15.7	6	16.9
A00309658	48.9	0.06	8	1.1	0.36	0.05	38.4	14.5	6	17.6
A00309659	40.3	0.07	7	0.9	1.45	0.04	35.9	17.3	7	17.1
A00309660	31.6	0.60	36	0.8	0.16	0.28	32.5	15.2	<5	18.3
A00309661	25.5	1.12	13	0.8	0.08	1.21	28.5	14.9	<5	18.4
A00309662	28.9	0.36	25	0.9	0.05	0.11	27.0	15.0	<5	18.8
A00309663	21.1	0.61	22	0.8	0.05	0.15	29.2	16.5	<5	19.3
A00309664	52.4	0.13	35	0.8	0.37	0.27	28.9	13.1	<5	14.8
A00309665	36.1	0.11	18	0.9	0.17	0.07	21.9	8.5	<5	15.4
A00309666	35.6	0.08	9	0.8	0.10	0.05	25.8	8.2	<5	15.5
A00309667	12.1	0.69	6	1.1	0.30	0.16	26.4	7.9	<5	18.2
A00309668	54.8	0.13	16	0.9	0.11	0.38	29.9	14.4	<5	15.4
A00309669	50.4	0.31	7	0.9	0.16	0.09	28.0	19.9	7	18.1
A00309670	57.2	0.36	7	1.0	0.16	0.10	31.8	22.7	6	19.6
A00309671	54.6	0.34	5	1.0	0.15	0.08	28.0	21.9	5	18.4
A00309672	56.8	0.11	18	0.9	0.11	0.35	31.0	13.3	<5	14.6
A00309673	35.0	0.10	17	0.7	0.14	0.83	19.2	7.1	<5	16.1
A00309674	31.6	0.19	22	0.8	0.17	1.83	18.3	7.0	<5	16.8
A00309675	48.5	0.11	29	0.8	0.14	0.52	28.9	13.8	<5	14.4
A00309676	11.1	<0.02	2	1.6	<0.04	<0.02	10.3	2.8	<5	17.6
A00309677	45.1	0.15	130	0.8	0.64	0.34	35.7	12.5	9	17.4
A00309678	44.4	0.15	124	0.9	0.77	0.27	27.5	6.8	9	16.6
A00309679	56.3	0.10	14	1.0	0.19	0.21	29.2	13.7	6	17.7
A00309680	41.8	0.08	8	1.3	0.25	0.10	30.6	15.2	6	21.2
A00309681	11.4	0.66	3	1.0	0.27	0.15	26.4	7.2	<5	16.6
A00309682	35.0	0.08	19	1.4	0.36	0.05	27.5	14.2	6	20.0
*Dup A00309682	26.9	0.12	9	1.4	0.44	0.05	28.2	14.9	6	20.8
A00309683	42.2	0.11	12	0.9	0.08	0.20	23.3	11.4	<5	13.6
A00309684	29.0	0.06	5	0.8	0.08	0.03	19.8	10.0	<5	12.9
A00309685	30.2	0.09	3	0.7	0.08	0.03	22.6	10.4	<5	13.2
A00309686	51.0	0.09	17	0.8	0.25	0.28	25.6	11.6	<5	13.2
A00309687	37.9	0.10	13	0.8	0.22	0.10	23.2	11.5	6	16.6
A00309688	52.4	0.10	78	0.8	0.51	0.09	26.4	20.2	8	19.1
A00309689	38.0	0.12	75	0.8	0.35	0.09	24.7	19.6	7	17.0
A00309690	60.2	0.06	14	0.8	0.16	0.22	29.0	12.2	<5	15.0

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00309691	50.4	0.05	6	0.9	0.42	0.15	27.9	6.5	13	17.1
A00309692	38.7	0.16	13	0.8	0.53	0.05	28.0	5.4	22	16.7
A00309693	70.4	0.06	13	0.8	0.27	0.21	29.1	13.6	<5	14.8
A00309694	50.6	0.23	9	0.9	0.39	0.15	29.3	8.6	<5	17.6
A00309695	31.6	0.10	7	0.9	0.80	0.05	28.3	22.8	<5	17.4
A00309696	49.9	0.18	10	0.9	0.40	0.07	28.7	13.8	<5	17.3
A00309697	45.1	0.16	13	0.8	0.45	0.08	29.0	15.6	<5	16.8
A00309698	57.3	0.15	18	0.8	0.14	0.49	30.0	14.9	<5	14.9
A00309699	25.2	0.53	3	0.9	0.21	0.14	30.9	22.2	6	19.5
A00309700	25.2	0.74	3	0.9	0.05	0.14	29.5	18.3	<5	17.9
A00309701	39.8	0.54	2	1.0	0.07	0.15	32.4	21.3	<5	18.2
A00309702	55.3	0.02	8	0.8	0.45	0.05	30.4	12.0	<5	20.8
A00309703	46.0	0.24	15	0.9	1.11	0.03	30.7	15.6	<5	17.5
A00309704	12.4	0.75	21	1.1	1.88	0.19	32.5	8.4	<5	19.0
A00309705	53.0	<0.02	8	0.8	0.65	0.02	30.2	20.0	<5	17.9
A00309706	48.8	<0.02	6	0.8	0.30	<0.02	32.1	15.4	<5	19.5
A00309707	53.6	0.02	6	0.9	0.36	<0.02	31.3	32.0	<5	18.3
A00309708	70.4	0.10	37	0.7	0.69	0.27	28.3	13.5	<5	14.6
A00309709	42.7	0.12	12	0.8	0.15	0.14	24.9	12.7	7	16.9
A00309710	10.8	<0.02	7	1.8	0.06	<0.02	13.6	3.1	<5	20.8
A00309711	33.5	0.12	6	1.0	0.17	0.04	28.0	12.6	9	19.4
A00309712	50.4	0.46	16	0.8	2.21	0.26	30.6	13.3	7	17.5
A00309713	40.2	0.59	9	0.8	1.06	0.10	30.8	10.0	8	19.4
A00309714	14.4	0.59	3	1.0	0.33	0.18	29.5	7.7	<5	16.8
A00309715	61.9	0.11	24	0.8	0.86	0.34	29.1	13.9	<5	14.0
A00309716	22.9	>10.0	364	0.8	0.18	3.33	26.9	9.7	11	17.0
*Dup A00309716	26.0	>10.0	340	0.8	0.33	3.36	26.4	9.5	11	16.8
A00309717	24.8	0.25	16	1.0	0.21	0.07	28.9	8.8	8	20.3
A00309718	63.8	0.56	8	1.1	0.13	0.12	27.6	16.5	<5	22.7
A00309719	50.8	0.30	18	1.0	2.01	0.10	24.1	19.0	7	18.8
A00309720	11.9	<0.02	4	1.7	0.18	0.02	20.5	3.2	<5	20.5
A00309721	48.0	0.34	17	1.0	0.52	0.08	30.0	11.3	7	20.2
A00309722	52.2	0.05	33	0.9	0.92	0.14	29.5	11.7	<5	16.0
*Rep A00309673	32.7	0.10	16	0.7	0.13	0.69	17.8	7.1	<5	15.6
*Rep A00309690	65.7	0.05	15	0.9	0.17	0.23	29.1	12.6	<5	14.9
*Std CH-4	113	2.08	10	0.7	0.47	1.10	33.0	25.3	<5	19.1

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	110	2.01	7	0.7	0.42	1.01	32.7	23.8	<5	17.3
*Bik BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.08	<0.1	<5	<0.1
*Bik BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	<0.05	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00309649	1.52	<0.02	12.5	0.17	11.2	5.0	7.7	70.5	4.15	14.9
A00309650	1.12	<0.02	8.7	0.13	8.50	4.0	13.0	88.9	5.95	14.7
A00309651	0.64	<0.02	4.8	0.05	1.70	3.7	7.8	35.2	0.44	1.6
A00309652	1.02	<0.02	11.8	0.14	7.78	2.3	16.8	77.2	4.57	14.9
A00309653	1.81	0.05	15.1	0.24	2.94	6.8	11.8	43.0	2.65	14.7
A00309654	1.00	0.03	16.2	0.17	4.84	5.0	4.6	68.5	1.12	19.3
A00309655	0.89	0.05	16.2	0.18	3.42	4.7	3.6	69.3	0.83	20.7
A00309656	1.22	0.04	14.2	0.17	4.48	4.4	11.2	49.9	3.64	13.5
A00309657	1.36	0.04	16.9	0.23	4.30	6.5	5.1	47.6	1.82	16.8
A00309658	1.42	0.04	16.9	0.24	4.01	6.7	5.2	48.1	1.87	17.0
A00309659	1.08	0.07	15.8	0.20	4.16	4.8	5.4	42.6	1.33	15.8
A00309660	0.94	0.05	15.0	0.25	9.25	6.1	12.6	49.7	5.28	16.0
A00309661	0.76	0.04	13.6	0.20	6.69	5.9	58.9	55.6	13.3	15.7
A00309662	0.86	0.04	12.5	0.22	5.75	6.2	6.5	58.7	2.89	16.6
A00309663	0.60	0.04	12.7	0.27	8.16	5.8	5.3	83.6	9.64	17.0
A00309664	1.55	0.04	14.1	0.20	4.65	5.5	12.3	47.2	3.90	12.1
A00309665	1.10	<0.02	11.1	0.09	34.2	1.8	7.2	63.3	6.02	5.3
A00309666	1.18	<0.02	13.1	0.08	6.02	1.7	6.1	70.2	3.91	4.7
A00309667	0.40	0.08	13.9	0.13	160	6.5	16.8	59.9	0.58	5.6
A00309668	1.61	0.05	14.5	0.22	15.8	5.3	19.7	47.4	2.78	13.9
A00309669	1.29	0.02	13.0	0.19	99.4	2.2	6.8	82.8	1.49	17.6
A00309670	1.58	0.04	14.7	0.23	63.1	2.7	10.6	83.5	1.36	18.3
A00309671	1.47	0.04	12.9	0.22	47.8	2.6	5.5	77.2	1.20	17.4
A00309672	1.75	0.05	14.9	0.23	4.33	6.1	14.0	43.2	2.80	13.2
A00309673	1.19	<0.02	8.8	0.08	5.70	2.2	9.4	58.3	16.6	5.4
A00309674	1.13	<0.02	7.9	0.07	12.2	2.1	11.5	71.7	14.6	4.5
A00309675	1.37	0.04	14.0	0.19	3.20	4.7	13.4	40.6	25.2	11.9
A00309676	0.59	<0.02	4.6	0.05	1.15	2.7	10.3	20.0	0.56	1.4
A00309677	1.19	<0.02	17.7	0.14	1.18	2.2	12.5	58.9	57.1	8.5
A00309678	1.14	<0.02	12.9	0.13	2.49	2.3	9.7	59.4	7.87	8.1
A00309679	1.58	0.09	13.5	0.27	2.06	5.7	9.8	44.6	2.57	19.6
A00309680	1.19	0.09	13.0	0.28	2.55	5.8	6.4	64.1	1.26	29.8
A00309681	0.38	0.07	13.9	0.13	145	6.1	15.6	56.7	0.50	5.3
A00309682	0.91	0.07	11.8	0.27	2.73	5.4	4.5	75.2	0.77	28.4
*Dup A00309682	0.87	0.08	11.9	0.28	2.44	5.6	5.9	76.7	0.79	29.5
A00309683	1.24	0.04	11.0	0.17	3.51	4.2	12.2	41.8	2.20	12.0
A00309684	1.03	<0.02	8.0	0.07	2.99	1.5	4.3	50.5	0.95	4.4
A00309685	1.01	<0.02	11.1	0.07	2.53	1.3	3.7	58.6	0.86	3.7
A00309686	1.48	0.04	12.3	0.19	1.71	5.0	12.8	36.4	2.15	12.0
A00309687	1.04	0.03	10.9	0.15	2.45	3.6	7.2	46.1	1.43	14.2
A00309688	1.02	0.02	12.5	0.15	2.46	2.5	6.4	47.1	7.91	17.8
A00309689	1.04	0.02	11.7	0.15	2.33	3.8	4.8	42.6	7.24	15.1
A00309690	1.58	0.15	13.9	0.22	2.21	5.5	9.9	32.8	1.92	13.6

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00309691	1.26	0.58	13.5	0.18	1.78	5.2	10.5	17.5	1.30	14.1
A00309692	0.96	0.94	13.5	0.18	1.45	4.3	5.7	41.0	2.34	12.4
A00309693	1.48	0.11	14.0	0.18	1.84	5.3	9.4	39.2	1.64	12.4
A00309694	1.36	0.14	13.7	0.17	1.50	5.5	7.3	50.4	1.38	16.1
A00309695	1.18	0.14	13.3	0.14	1.60	5.3	8.0	52.6	0.94	15.1
A00309696	1.18	0.20	13.4	0.17	1.83	5.2	14.9	59.4	1.09	17.9
A00309697	1.09	0.20	13.6	0.16	1.95	5.1	16.4	58.1	1.08	17.8
A00309698	1.48	0.05	14.6	0.20	4.76	5.5	12.0	46.8	2.88	13.7
A00309699	0.64	<0.02	14.4	0.19	69.3	5.5	6.2	79.0	0.51	13.7
A00309700	0.59	<0.02	14.0	0.18	64.8	5.8	5.2	98.6	0.25	13.6
A00309701	0.69	0.02	15.5	0.19	99.3	5.9	5.3	107	0.19	14.9
A00309702	1.11	0.13	14.7	0.17	1.95	3.6	5.6	58.0	2.14	12.3
A00309703	1.08	0.09	14.4	0.16	1.26	4.7	7.1	55.0	2.05	11.6
A00309704	0.40	0.08	17.3	0.15	166	7.0	21.0	74.0	0.60	6.4
A00309705	1.11	0.09	14.1	0.18	1.11	4.6	4.5	44.6	2.09	12.2
A00309706	1.15	0.10	14.8	0.18	0.76	4.7	5.1	49.7	1.87	13.8
A00309707	1.12	0.09	14.5	0.17	0.92	4.7	5.1	42.9	1.95	13.8
A00309708	1.63	0.05	13.8	0.22	1.90	5.6	13.7	40.8	2.26	13.6
A00309709	1.23	<0.02	11.9	0.12	3.93	4.1	6.3	64.6	1.36	8.6
A00309710	0.58	<0.02	6.2	0.05	0.91	3.2	13.9	44.1	0.30	1.9
A00309711	1.16	<0.02	13.2	0.10	5.94	4.4	4.2	78.3	0.74	7.8
A00309712	1.34	0.10	14.6	0.20	1.49	5.1	11.0	100	8.76	18.0
A00309713	1.07	0.13	15.0	0.16	1.38	4.2	13.2	137	1.79	20.5
A00309714	0.36	0.07	15.7	0.13	137	6.2	14.1	65.5	0.47	5.7
A00309715	1.64	0.05	14.1	0.22	2.64	5.7	11.2	44.4	2.21	13.9
A00309716	0.70	0.04	11.8	0.15	200	5.0	106	91.0	15.4	9.1
*Dup A00309716	0.71	0.03	11.7	0.16	210	5.0	99.9	104	14.7	8.7
A00309717	0.91	0.03	12.6	0.18	17.6	7.0	8.8	68.9	1.54	11.0
A00309718	1.85	0.09	11.4	0.22	76.4	5.6	7.1	124	1.56	12.9
A00309719	1.32	0.06	10.9	0.16	82.9	5.2	14.3	61.6	1.55	11.6
A00309720	0.58	<0.02	10.0	0.07	1.04	3.3	13.1	50.9	0.48	2.3
A00309721	1.21	0.07	15.3	0.20	170	4.3	9.7	88.9	0.56	14.7
A00309722	1.45	0.05	14.2	0.21	3.55	5.3	9.2	51.0	1.75	14.8
*Rep A00309673	1.16	<0.02	8.1	0.08	5.95	2.1	7.7	54.3	16.2	5.1
*Rep A00309690	1.66	0.14	13.9	0.23	2.19	5.6	10.0	34.0	2.05	13.9
*Std CH-4	3.21	0.12	16.3	0.17	3.28	3.7	18.8	79.7	0.81	13.3

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	2.83	0.11	16.2	0.15	2.55	3.5	16.0	76.6	0.62	12.3
*Bik BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	<0.5	<0.2	<0.05	<0.1
*Bik BLANK	<0.02	<0.02	<0.1	<0.01	0.09	<0.1	<0.5	<0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309649	3	1.0	0.40	0.45	0.12	2.7	1.24	0.96	10.1	12.7
A00309650	3	1.2	0.33	0.36	0.20	2.2	1.39	0.81	12.4	10.6
A00309651	<2	0.7	0.23	0.10	<0.05	1.0	0.24	0.17	0.2	2.7
A00309652	4	0.9	0.22	0.42	0.15	2.4	1.21	0.81	9.8	11.0
A00309653	<2	0.8	0.47	0.55	<0.05	3.1	0.45	1.32	1.4	15.6
A00309654	<2	1.0	0.39	0.59	0.07	2.4	1.36	0.74	1.8	15.9
A00309655	2	1.0	0.37	0.66	0.16	2.1	1.47	0.62	5.7	19.2
A00309656	<2	0.7	0.31	0.51	0.27	2.5	0.64	1.00	2.8	13.8
A00309657	2	1.2	0.47	0.74	0.28	2.6	0.91	0.98	4.1	21.1
A00309658	2	1.3	0.48	0.75	0.24	2.7	0.93	0.99	3.6	21.5
A00309659	2	0.9	0.36	0.69	1.13	2.2	0.85	0.88	4.6	19.6
A00309660	<2	1.0	0.42	0.58	<0.05	2.5	0.46	0.97	3.9	17.6
A00309661	<2	0.9	0.44	0.47	<0.05	2.4	0.39	0.66	1.4	14.9
A00309662	<2	0.9	0.46	0.53	<0.05	2.3	0.45	0.69	1.5	15.9
A00309663	<2	0.9	0.34	0.65	<0.05	1.6	0.51	0.64	5.3	19.8
A00309664	<2	0.7	0.37	0.47	<0.05	3.2	0.45	1.39	1.5	13.1
A00309665	2	0.4	0.16	0.23	0.10	3.4	0.67	2.31	5.2	6.0
A00309666	2	0.3	0.15	0.24	0.06	3.6	0.69	2.12	4.0	5.6
A00309667	<2	2.8	0.34	0.30	0.14	4.3	0.44	0.73	0.5	8.5
A00309668	<2	0.8	0.36	0.50	<0.05	2.8	0.47	1.29	0.9	14.7
A00309669	3	0.8	0.19	0.50	0.06	2.2	1.02	1.17	2.0	14.5
A00309670	4	0.9	0.24	0.57	<0.05	2.5	1.04	1.69	2.1	17.1
A00309671	4	0.8	0.21	0.53	<0.05	2.2	0.98	1.60	1.9	16.1
A00309672	<2	0.8	0.40	0.53	<0.05	3.1	0.40	1.37	1.0	15.2
A00309673	<2	0.6	0.16	0.24	0.06	3.3	0.79	2.29	4.9	5.7
A00309674	2	0.6	0.16	0.22	0.11	3.3	0.96	2.17	4.5	5.0
A00309675	<2	0.8	0.32	0.46	<0.05	2.6	0.47	1.11	3.5	12.7
A00309676	<2	0.5	0.15	0.11	<0.05	1.9	0.21	0.59	<0.1	2.6
A00309677	3	1.1	0.19	0.44	0.15	2.3	0.81	0.94	4.4	11.0
A00309678	3	1.2	0.20	0.38	0.45	2.3	0.86	0.87	7.4	10.0
A00309679	<2	1.3	0.38	0.65	<0.05	2.3	0.58	1.16	1.9	19.4
A00309680	2	1.6	0.38	0.83	<0.05	1.2	1.08	0.72	5.8	24.6
A00309681	<2	2.6	0.32	0.29	0.14	4.3	0.41	0.74	0.4	8.4
A00309682	3	1.5	0.35	0.76	0.05	1.1	1.34	0.52	5.6	23.4
*Dup A00309682	2	1.5	0.36	0.80	0.06	1.0	1.37	0.53	5.7	24.6
A00309683	<2	0.7	0.29	0.42	<0.05	2.4	0.52	1.09	1.0	11.7
A00309684	3	0.6	0.14	0.22	<0.05	3.0	0.63	1.62	2.7	5.0
A00309685	3	0.5	0.11	0.20	<0.05	2.9	0.70	1.73	2.9	4.6
A00309686	<2	0.7	0.33	0.44	<0.05	2.6	0.40	1.17	0.9	12.8
A00309687	<2	1.0	0.25	0.41	0.06	1.8	0.94	0.81	1.6	11.8
A00309688	3	1.0	0.19	0.43	0.13	1.8	1.31	0.89	2.4	13.1
A00309689	3	1.3	0.28	0.42	0.12	1.8	1.29	0.85	3.8	12.6
A00309690	<2	0.9	0.36	0.50	0.05	2.9	0.33	1.48	0.8	15.0

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00309691	<2	1.2	0.36	0.48	0.08	2.8	0.19	2.37	1.4	14.9
A00309692	<2	1.3	0.31	0.46	0.11	2.7	0.49	3.09	1.3	14.8
A00309693	<2	0.8	0.34	0.49	0.11	2.7	0.60	1.20	1.7	15.1
A00309694	<2	1.0	0.36	0.51	0.12	2.7	1.08	1.10	1.1	15.2
A00309695	<2	1.0	0.48	0.50	0.27	2.3	1.26	0.92	1.2	14.5
A00309696	<2	1.0	0.34	0.51	0.14	2.4	1.28	0.95	1.4	15.9
A00309697	<2	1.0	0.34	0.51	0.17	2.3	1.23	0.96	1.6	15.6
A00309698	<2	0.7	0.34	0.50	0.06	3.0	0.42	1.34	1.0	14.5
A00309699	3	0.7	0.38	0.50	0.09	2.9	0.63	0.75	2.3	15.3
A00309700	3	0.6	0.38	0.48	<0.05	2.7	0.68	0.71	1.4	14.5
A00309701	3	0.7	0.40	0.52	<0.05	2.8	0.78	0.74	1.3	15.9
A00309702	<2	0.9	0.25	0.50	0.09	2.1	0.67	0.93	1.3	14.7
A00309703	<2	1.0	0.31	0.51	0.39	2.1	0.63	0.94	2.9	14.5
A00309704	<2	2.7	0.35	0.33	0.14	5.4	0.45	0.97	0.6	9.9
A00309705	<2	0.9	0.31	0.51	0.19	2.1	0.53	0.98	1.5	14.9
A00309706	<2	1.0	0.32	0.53	<0.05	2.3	0.61	1.00	0.9	15.6
A00309707	<2	1.0	0.31	0.54	0.09	2.2	0.57	1.05	1.3	15.4
A00309708	<2	0.8	0.34	0.49	<0.05	3.0	0.39	1.38	0.9	14.8
A00309709	<2	0.5	0.26	0.33	0.06	3.4	0.56	2.33	1.7	9.0
A00309710	<2	0.6	0.24	0.12	<0.05	1.4	0.25	0.66	0.1	3.1
A00309711	2	0.6	0.29	0.29	0.08	3.8	0.70	3.02	2.5	7.1
A00309712	<2	1.0	0.32	0.51	1.32	2.6	0.98	1.16	7.2	14.5
A00309713	<2	1.2	0.28	0.53	0.55	1.9	1.31	1.07	13.0	14.4
A00309714	<2	2.4	0.30	0.30	0.11	4.6	0.39	0.83	0.5	8.8
A00309715	<2	0.7	0.34	0.49	<0.05	3.0	0.38	1.37	1.4	14.5
A00309716	<2	1.5	0.28	0.46	0.15	0.7	1.84	0.63	16.1	13.3
*Dup A00309716	<2	1.5	0.28	0.49	0.18	0.8	1.82	0.64	16.0	13.3
A00309717	<2	1.5	0.41	0.52	<0.05	1.1	0.52	0.55	4.6	15.0
A00309718	<2	2.3	0.38	0.46	<0.05	2.9	0.89	1.71	13.2	14.7
A00309719	<2	1.6	0.35	0.38	<0.05	2.1	0.60	0.98	3.6	10.4
A00309720	<2	0.6	0.17	0.18	<0.05	1.8	0.24	0.68	0.2	4.7
A00309721	<2	2.7	0.28	0.56	<0.05	2.1	0.80	1.42	15.9	16.9
A00309722	<2	1.0	0.34	0.51	<0.05	2.6	0.42	1.11	1.7	15.1
*Rep A00309673	<2	0.6	0.15	0.23	<0.05	3.1	0.74	2.08	4.7	5.6
*Rep A00309690	<2	0.9	0.36	0.50	<0.05	3.0	0.33	1.49	0.8	16.5
*Std CH-4	<2	1.0	0.27	0.39	0.37	2.3	0.40	0.67	3.3	10.5

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Std CH-4	2	0.9	0.24	0.36	0.37	2.3	0.35	0.69	3.1	9.9
*Bik BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Bik BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Ag AAS42E 0.3 g/t
A00309649	1.2	N.A.
A00309650	0.9	N.A.
A00309651	0.3	N.A.
A00309652	1.0	N.A.
A00309653	1.6	N.A.
A00309654	1.3	N.A.
A00309655	1.5	N.A.
A00309656	1.3	N.A.
A00309657	1.8	N.A.
A00309658	1.8	N.A.
A00309659	1.5	N.A.
A00309660	1.8	N.A.
A00309661	1.5	N.A.
A00309662	1.6	N.A.
A00309663	1.9	N.A.
A00309664	1.3	N.A.
A00309665	0.6	N.A.
A00309666	0.5	N.A.
A00309667	0.9	N.A.
A00309668	1.5	N.A.
A00309669	1.4	N.A.
A00309670	1.7	N.A.
A00309671	1.6	N.A.
A00309672	1.6	N.A.
A00309673	0.6	N.A.
A00309674	0.5	N.A.
A00309675	1.3	N.A.
A00309676	0.3	N.A.
A00309677	1.0	N.A.
A00309678	1.0	N.A.
A00309679	1.9	N.A.
A00309680	2.2	N.A.
A00309681	0.8	N.A.
A00309682	2.1	N.A.
*Dup A00309682	2.1	N.A.
A00309683	1.2	N.A.
A00309684	0.5	N.A.
A00309685	0.4	N.A.
A00309686	1.3	N.A.
A00309687	1.1	N.A.
A00309688	1.1	N.A.
A00309689	1.1	N.A.
A00309690	1.5	N.A.

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm	Ag AAS42E 0.3 g/t
A00309691	1.3	N.A.
A00309692	1.3	N.A.
A00309693	1.4	N.A.
A00309694	1.3	N.A.
A00309695	1.1	N.A.
A00309696	1.3	N.A.
A00309697	1.3	N.A.
A00309698	1.4	N.A.
A00309699	1.4	N.A.
A00309700	1.3	N.A.
A00309701	1.4	N.A.
A00309702	1.2	N.A.
A00309703	1.3	N.A.
A00309704	1.0	N.A.
A00309705	1.3	N.A.
A00309706	1.4	N.A.
A00309707	1.3	N.A.
A00309708	1.5	N.A.
A00309709	0.8	N.A.
A00309710	0.3	N.A.
A00309711	0.7	N.A.
A00309712	1.4	N.A.
A00309713	1.2	N.A.
A00309714	0.9	N.A.
A00309715	1.5	N.A.
A00309716	1.1	15.8
*Dup A00309716	1.2	N.A.
A00309717	1.4	N.A.
A00309718	1.5	N.A.
A00309719	1.1	N.A.
A00309720	0.5	N.A.
A00309721	1.5	N.A.
A00309722	1.5	N.A.
*Rep A00309673	0.5	
*Rep A00309690	1.8	
*Std CH-4	1.1	

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Element	Yb	Ag
Method	ICM40B	AAS42E
Det.Lim.	0.1	0.3
Units	ppm	g/t
*Std CH-4	1.0	
*Bik BLANK	<0.1	
*Bik BLANK	<0.1	
*Std MP1B		44.4
*Bik BLANK		<0.3

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Certificate of Analysis

Work Order: TK120185I

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Nov 09, 2012

P.O. No. : PROJ: Lennac /SHIPMENT: RRLE006-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Oct 17, 2012
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm	Mg ICM40B 0.01 %
A00309649	8	7.56	293	1.51	21	175	4.24	1.53	39	1.14
A00309650	6	7.09	167	2.98	17	119	4.05	1.79	42	1.26
A00309651	<5	4.93	1130	0.87	12	6.1	1.35	2.31	6	0.30
A00309652	11	6.33	172	2.03	16	188	3.89	1.75	35	0.65
A00309653	<5	7.03	648	0.91	40	70.4	4.54	1.41	30	0.94
A00309654	<5	7.97	493	1.96	18	91.2	5.04	1.77	12	1.89
A00309655	12	8.24	387	3.27	15	114	5.73	1.68	6	2.03
A00309656	7	7.21	440	2.88	28	61.9	4.75	1.74	28	0.88
A00309657	<5	7.75	591	2.92	15	43.9	5.12	1.44	17	1.28
A00309658	<5	7.82	565	2.93	14	42.7	5.08	1.46	16	1.33
A00309659	6	7.75	273	2.86	13	66.3	5.49	1.18	17	1.35
A00309660	29	6.87	512	2.23	16	1180	4.08	1.51	9	1.16
A00309661	24	7.89	393	2.40	17	1470	3.96	1.67	8	1.53
A00309662	15	7.92	376	2.15	19	987	4.50	1.86	7	1.55
A00309663	62	8.26	755	2.32	10	1410	5.54	2.69	7	1.80
A00309664	<5	6.94	627	2.36	49	84.3	4.01	1.59	28	0.94
A00309665	<5	6.91	543	2.97	15	141	2.59	2.31	22	0.40
A00309666	<5	6.83	571	2.52	12	64.9	2.36	2.38	19	0.38
A00309667	287	7.41	1480	2.18	20	1800	3.84	2.56	9	0.68
A00309668	<5	7.12	574	2.32	32	140	3.96	1.37	28	1.08
A00309669	24	7.70	328	2.48	22	712	4.01	1.70	11	1.58
A00309670	22	8.13	275	2.62	18	777	4.66	1.65	10	1.94
A00309671	23	7.89	279	2.42	20	768	4.47	1.57	10	1.86
A00309672	<5	6.67	590	2.10	39	40.3	4.00	1.35	31	0.97
A00309673	7	6.75	386	2.14	16	86.7	2.60	2.54	103	0.42
A00309674	11	6.62	226	2.31	14	179	2.65	3.14	48	0.31
A00309675	<5	6.88	544	1.99	32	149	4.04	1.32	50	1.00
A00309676	<5	4.52	909	0.94	8	12.5	1.17	2.35	6	0.30
A00309677	8	6.53	227	1.85	29	621	3.94	1.39	68	0.83
A00309678	5	6.67	220	2.00	12	558	3.68	1.36	60	0.95
A00309679	<5	8.03	450	3.40	25	119	5.24	1.17	25	2.06
A00309680	<5	8.90	194	4.16	16	126	6.37	1.33	12	3.46
A00309681	328	7.59	1530	2.28	22	1820	4.10	2.45	9	0.66
A00309682	<5	9.07	150	4.03	11	147	6.91	1.68	10	4.44
A00309683	<5	7.03	580	2.50	27	93.0	4.08	1.45	23	1.18
A00309684	<5	6.18	550	2.27	16	142	2.60	2.57	11	0.41
A00309685	6	6.16	172	2.21	12	243	2.94	2.83	10	0.37
A00309686	<5	7.17	569	2.59	35	62.5	4.15	1.33	29	1.02
A00309687	5	7.98	328	3.41	26	169	4.77	1.25	13	1.36
A00309688	<5	8.02	185	4.19	20	287	4.90	0.99	25	0.84
A00309689	9	7.74	186	4.25	18	276	5.15	0.97	23	0.86
A00309690	<5	7.15	500	2.93	33	26.9	3.74	1.02	26	1.09
A00309691	5	8.53	104	5.70	15	32.1	3.47	0.31	15	1.22

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Element Method Det.Lim. Units	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm	Mg ICM40B 0.01 %
A00309692	11	7.60	79	6.24	15	202	3.72	0.80	16	0.75
A00309693	5	7.18	408	2.88	29	20.2	4.00	1.24	24	1.24
A00309694	14	8.68	250	3.42	20	132	4.01	1.48	16	1.77
A00309695	17	8.63	180	3.49	16	38.9	4.29	1.57	15	2.01
A00309696	18	8.45	183	3.80	22	87.5	4.37	1.55	11	1.99
A00309697	44	8.54	182	3.94	25	69.0	4.45	1.56	11	2.01
A00309698	<5	7.25	652	2.27	35	195	3.96	1.48	27	1.00
A00309699	20	7.68	452	2.72	18	1910	3.98	1.90	11	1.47
A00309700	30	7.79	752	2.18	17	2090	3.74	2.75	10	2.02
A00309701	27	8.06	857	2.14	19	2040	4.01	2.69	9	2.36
A00309702	47	9.23	596	4.37	11	17.4	5.19	1.75	11	1.54
A00309703	1500	8.38	477	2.78	11	23.3	5.32	1.52	11	1.66
A00309704	315	7.42	1420	2.20	20	1740	3.89	2.53	9	0.70
A00309705	26	8.45	541	3.56	10	5.9	5.12	1.33	12	1.56
A00309706	6	8.67	809	4.13	19	1.5	4.88	1.53	10	1.60
A00309707	<5	9.03	517	4.02	11	<0.5	5.03	1.32	14	1.66
A00309708	12	7.29	582	2.35	35	49.4	4.10	1.32	30	1.04
A00309709	<5	7.46	627	3.00	26	222	3.10	1.93	17	0.75
A00309710	<5	4.65	984	0.47	10	13.3	1.03	2.40	3	0.26
A00309711	<5	7.02	646	3.42	25	232	2.71	2.01	11	0.75
A00309712	18	7.23	656	2.35	30	148	4.81	2.69	32	1.14
A00309713	<5	8.51	786	2.50	23	308	5.84	3.83	16	1.70
A00309714	320	7.33	1440	2.17	20	1730	3.85	2.48	9	0.67
A00309715	<5	7.55	627	2.66	42	78.6	4.25	1.48	29	1.16
A00309716	265	7.65	260	4.75	9	241	3.73	4.18	12	0.70
A00309717	6	8.69	624	3.02	9	66.1	3.56	2.29	8	0.97
A00309718	35	8.51	604	0.73	10	1780	3.21	4.59	7	1.14
A00309719	30	8.78	256	0.97	12	1130	3.90	2.11	13	1.31
A00309720	<5	5.12	1220	1.00	11	9.6	1.18	2.47	7	0.33
A00309721	37	8.03	351	1.79	12	1540	3.42	3.59	13	1.61
A00309722	8	7.50	521	2.05	29	40.5	4.42	1.77	18	1.18

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Element Method Det.Lim. Units	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm	Zr ICM40B 0.5 ppm
A00309649	308	2.03	8.5	680	2.62	171	0.25	136	42	37.1
A00309650	159	1.47	3.5	570	3.79	103	0.22	135	48	29.6
A00309651	291	3.98	3.6	350	<0.01	625	0.14	38	39	11.4
A00309652	136	1.85	4.9	640	3.60	91.4	0.19	127	27	33.3
A00309653	1080	2.61	20.5	850	0.07	310	0.40	130	112	63.8
A00309654	461	2.80	5.8	840	2.20	406	0.45	179	85	36.0
A00309655	427	2.61	3.1	770	3.19	415	0.48	198	113	31.9
A00309656	737	1.94	11.7	1040	2.43	267	0.31	129	67	46.3
A00309657	430	2.65	2.6	1320	2.50	367	0.52	161	30	50.9
A00309658	427	2.74	1.5	1360	2.35	374	0.55	164	30	48.9
A00309659	338	2.85	3.0	1270	4.24	325	0.39	155	26	35.9
A00309660	571	3.04	4.5	820	0.16	258	0.44	144	63	28.4
A00309661	495	3.04	3.5	620	0.28	271	0.46	150	153	24.4
A00309662	563	3.36	4.2	740	0.21	299	0.49	162	61	25.2
A00309663	593	3.32	0.7	1070	0.58	413	0.48	164	71	19.2
A00309664	848	2.16	19.7	900	0.43	336	0.33	110	84	55.0
A00309665	256	1.77	6.5	800	2.22	249	0.12	60	33	35.8
A00309666	185	2.05	5.0	760	2.28	268	0.09	53	24	34.0
A00309667	681	2.76	12.2	710	0.29	690	0.20	77	83	12.3
A00309668	847	2.34	15.6	860	0.44	338	0.33	123	102	57.7
A00309669	289	2.73	4.1	750	2.36	296	0.29	159	54	44.6
A00309670	329	2.69	3.5	810	2.75	328	0.34	162	56	52.3
A00309671	306	2.56	3.1	820	2.60	311	0.33	160	52	53.5
A00309672	972	2.11	18.3	900	0.09	319	0.36	117	103	60.1
A00309673	209	0.50	4.9	910	2.08	187	0.16	75	148	35.9
A00309674	137	1.24	4.4	870	2.23	274	0.15	65	338	32.7
A00309675	765	2.03	15.1	870	0.82	368	0.33	118	108	52.9
A00309676	261	4.03	2.3	330	0.01	555	0.12	33	40	10.6
A00309677	129	2.21	3.4	850	4.37	475	0.17	88	48	46.9
A00309678	77	2.90	3.5	810	4.49	461	0.17	73	26	46.2
A00309679	959	2.42	9.5	980	0.82	324	0.49	170	72	51.9
A00309680	820	2.46	4.3	1090	1.96	339	0.66	284	48	57.4
A00309681	684	2.66	12.9	700	0.27	713	0.20	75	81	11.4
A00309682	812	2.58	1.1	1120	2.48	356	0.71	290	43	37.7
A00309683	867	2.44	12.3	880	0.76	318	0.31	120	82	47.8
A00309684	171	1.32	4.6	860	2.40	177	0.12	64	21	36.2
A00309685	131	1.44	3.7	750	3.04	193	0.08	51	17	33.3
A00309686	942	2.28	17.6	910	0.45	327	0.36	119	90	53.6
A00309687	376	2.18	6.5	830	2.69	252	0.35	153	41	44.7
A00309688	206	1.57	3.4	760	4.12	189	0.29	145	28	33.6
A00309689	223	1.57	3.0	730	4.52	189	0.29	138	29	35.6
A00309690	871	2.65	14.5	910	0.17	297	0.34	116	74	47.8
A00309691	621	3.11	1.8	820	0.28	290	0.37	124	33	32.6

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Element Method Det.Lim. Units	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm	Zr ICM40B 0.5 ppm
A00309692	785	1.73	1.6	710	0.60	211	0.27	111	34	32.2
A00309693	791	2.63	11.5	890	0.46	340	0.34	118	72	50.5
A00309694	609	3.60	5.6	830	0.37	432	0.42	147	53	36.2
A00309695	548	3.43	1.7	840	1.00	435	0.41	150	58	30.7
A00309696	612	3.16	2.5	810	0.47	388	0.42	159	67	30.6
A00309697	629	3.18	2.9	810	0.53	391	0.42	158	65	29.4
A00309698	904	2.31	18.1	920	0.18	351	0.35	124	130	56.3
A00309699	289	2.43	3.9	750	1.92	304	0.40	90	46	25.2
A00309700	296	2.57	4.3	660	1.06	361	0.43	129	57	24.0
A00309701	332	2.63	3.9	670	1.06	359	0.44	150	61	25.5
A00309702	1800	2.29	<0.5	910	0.32	224	0.28	152	85	30.6
A00309703	1440	2.64	<0.5	900	1.04	262	0.34	138	95	31.4
A00309704	731	2.76	11.3	700	0.27	698	0.19	74	81	10.8
A00309705	1530	2.56	<0.5	930	0.64	305	0.35	149	90	30.4
A00309706	1610	2.14	<0.5	950	0.17	290	0.35	139	73	31.5
A00309707	1500	2.49	<0.5	950	0.31	373	0.37	150	74	29.0
A00309708	1020	2.50	17.1	840	0.15	330	0.36	116	89	55.5
A00309709	402	2.27	11.2	940	1.14	397	0.27	93	48	40.5
A00309710	265	4.14	3.6	260	<0.01	475	0.11	29	52	10.8
A00309711	203	2.32	10.2	980	1.11	461	0.24	85	32	32.4
A00309712	820	2.11	9.3	790	0.70	264	0.38	136	95	41.4
A00309713	479	2.42	1.4	780	0.90	283	0.41	163	75	32.8
A00309714	694	2.67	11.1	680	0.28	690	0.19	73	118	10.9
A00309715	1030	2.35	21.6	940	0.16	368	0.37	129	93	57.1
A00309716	925	0.97	<0.5	960	2.45	228	0.39	93	483	35.0
A00309717	356	3.27	0.7	1170	0.08	483	0.45	104	33	20.7
A00309718	215	3.24	1.5	880	0.15	198	0.33	139	34	57.2
A00309719	193	4.29	1.0	930	0.08	231	0.37	137	27	58.2
A00309720	290	3.84	2.6	360	<0.01	705	0.12	35	39	10.4
A00309721	243	3.27	1.3	900	0.20	305	0.38	163	31	48.4
A00309722	662	3.04	10.5	840	0.03	323	0.39	146	62	52.7

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A00309649	0.33	29	0.9	0.23	0.20	26.5	22.1	8	19.7	1.02
A00309650	0.24	22	0.8	0.38	0.39	20.7	18.1	9	18.0	0.82
A00309651	0.03	2	2.2	0.08	0.03	12.3	3.7	<5	21.8	0.64
A00309652	0.24	23	0.9	0.23	0.25	24.4	16.1	6	17.2	0.91
A00309653	0.11	19	1.0	0.12	0.27	30.2	15.4	<5	16.2	1.76
A00309654	0.11	8	1.1	0.16	0.27	32.7	17.9	6	19.1	1.00
A00309655	0.12	6	1.0	0.23	0.50	31.6	21.0	7	18.6	0.78
A00309656	0.17	15	0.8	0.44	0.28	30.7	19.9	6	15.1	1.24
A00309657	0.10	6	1.2	0.39	0.10	35.3	15.9	6	17.4	1.36
A00309658	0.09	7	1.1	0.35	0.09	35.9	14.9	6	17.1	1.35
A00309659	0.12	7	1.0	1.39	0.05	33.6	17.1	7	17.1	1.04
A00309660	0.56	32	0.9	0.16	0.27	28.0	14.2	<5	16.9	0.86
A00309661	1.20	13	0.9	0.10	1.23	28.3	15.2	<5	19.0	0.75
A00309662	0.38	24	1.0	0.10	0.15	27.8	15.5	5	19.3	0.73
A00309663	0.59	19	1.0	0.05	0.17	27.9	16.8	5	19.4	0.55
A00309664	0.20	16	1.0	0.12	0.31	27.7	13.9	<5	15.6	1.54
A00309665	0.16	19	1.0	0.17	0.13	23.1	9.5	5	16.6	1.16
A00309666	0.18	7	0.9	0.33	0.16	24.4	9.2	<5	15.7	1.13
A00309667	0.64	3	1.2	0.29	0.23	28.5	7.7	<5	17.8	0.41
A00309668	0.21	14	0.9	0.11	0.34	28.0	14.4	<5	15.2	1.47
A00309669	0.32	5	1.0	0.13	0.17	25.7	19.2	7	16.6	1.10
A00309670	0.37	4	0.9	0.15	0.14	28.6	20.5	5	17.8	1.33
A00309671	0.34	4	1.0	0.15	0.15	27.1	21.2	5	18.0	1.30
A00309672	0.18	17	0.9	0.12	0.36	29.2	13.7	<5	14.8	1.59
A00309673	0.14	17	0.7	0.15	0.77	20.7	7.6	<5	17.2	1.16
A00309674	0.21	22	0.8	0.17	1.67	19.4	7.7	5	17.4	1.11
A00309675	0.16	26	0.8	0.15	0.53	28.1	14.4	5	15.4	1.34
A00309676	0.02	2	1.8	<0.04	0.04	10.6	3.3	<5	19.8	0.56
A00309677	0.19	132	0.9	0.61	0.36	34.0	13.0	9	18.1	1.14
A00309678	0.18	123	1.0	0.67	0.35	29.2	7.3	9	17.4	1.14
A00309679	0.16	14	1.1	0.19	0.23	28.0	13.7	6	18.1	1.43
A00309680	0.11	6	1.2	0.25	0.11	28.9	15.3	6	20.7	1.09
A00309681	1.52	3	1.2	0.28	0.24	30.4	7.7	<5	18.0	0.36
A00309682	0.11	5	1.5	0.25	0.06	28.4	15.5	6	21.2	0.83
A00309683	0.22	13	0.9	0.09	0.30	27.1	13.0	<5	15.4	1.26
A00309684	0.09	4	0.9	0.10	0.07	23.0	12.1	<5	15.8	1.13
A00309685	0.12	3	0.9	0.09	0.05	25.7	12.3	<5	15.1	1.05
A00309686	0.17	18	0.9	0.14	0.33	29.8	13.9	<5	15.6	1.56
A00309687	0.14	15	1.0	0.24	0.15	27.6	13.6	8	19.6	1.13
A00309688	0.15	76	0.8	0.31	0.11	28.0	18.0	9	19.4	0.89
A00309689	0.14	80	1.0	0.30	0.12	26.7	21.5	8	19.2	0.91
A00309690	0.09	15	1.1	0.16	0.27	27.8	12.8	<5	15.8	1.42
A00309691	0.08	5	1.1	0.36	0.08	27.3	7.0	13	18.8	1.05

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A00309692	0.18	14	1.0	0.52	0.07	27.5	5.6	22	17.6	0.97
A00309693	0.09	14	1.0	0.30	0.19	29.0	14.8	<5	16.7	1.44
A00309694	0.25	8	1.2	0.36	0.14	27.8	9.1	<5	18.3	1.24
A00309695	0.15	6	1.2	0.90	0.07	28.2	24.3	<5	18.4	1.07
A00309696	0.22	10	1.2	0.41	0.10	27.3	13.6	<5	18.3	1.04
A00309697	0.20	12	1.2	0.46	0.08	28.1	16.0	<5	18.7	1.06
A00309698	0.22	19	1.1	0.29	0.53	29.4	16.2	<5	16.1	1.58
A00309699	0.47	3	1.2	0.19	0.14	28.6	23.0	6	19.6	0.68
A00309700	0.59	2	1.3	0.05	0.17	27.1	18.3	<5	19.1	0.62
A00309701	0.54	2	1.4	0.06	0.18	30.3	22.5	<5	19.7	0.64
A00309702	0.05	9	1.1	0.49	0.08	30.8	12.9	<5	23.6	0.96
A00309703	0.25	15	1.1	1.07	0.04	28.8	17.2	<5	18.9	1.08
A00309704	0.60	3	1.5	0.26	0.20	28.3	8.2	<5	18.3	0.39
A00309705	0.06	8	1.2	0.59	0.03	28.7	20.4	<5	18.9	0.96
A00309706	0.03	6	1.2	0.26	0.03	29.4	15.8	<5	20.8	0.95
A00309707	0.04	6	1.3	0.34	0.04	30.2	32.6	<5	19.6	0.98
A00309708	0.12	18	1.2	0.13	0.30	28.2	14.8	<5	16.0	1.62
A00309709	0.15	11	1.2	0.11	0.17	24.7	14.1	7	18.5	1.31
A00309710	0.02	7	2.5	0.09	0.03	9.59	3.5	<5	20.5	0.61
A00309711	0.11	8	1.4	0.16	0.06	24.5	13.1	9	19.1	1.14
A00309712	0.50	15	1.1	1.79	0.25	28.0	13.2	7	18.1	1.28
A00309713	0.48	9	1.1	1.20	0.10	28.5	10.9	8	20.2	1.09
A00309714	0.69	4	1.5	0.30	0.37	29.5	8.4	<5	19.4	0.39
A00309715	0.13	17	1.2	0.13	0.32	29.2	16.0	<5	16.4	1.66
A00309716	>10.0	357	1.1	0.19	3.46	26.5	10.4	11	18.8	0.74
A00309717	0.32	9	1.4	0.04	0.07	26.7	8.8	8	20.3	0.81
A00309718	0.54	7	1.6	0.07	0.19	24.3	16.0	<5	22.8	1.54
A00309719	0.30	6	1.6	0.07	0.14	31.9	21.4	8	20.8	1.54
A00309720	0.03	3	2.4	<0.04	0.03	13.0	3.8	<5	21.9	0.60
A00309721	0.37	4	1.6	0.08	0.20	28.1	12.5	7	22.6	1.30
A00309722	0.06	12	1.3	0.06	0.19	28.8	13.0	<5	18.1	1.58

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Element Method Det.Lim. Units	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm	Se ICM40B 2 ppm
A00309649	0.02	12.4	0.17	10.7	3.1	12.1	63.7	3.70	15.0	3
A00309650	<0.02	8.7	0.13	7.81	2.3	15.3	73.2	5.37	13.6	3
A00309651	0.02	5.7	0.06	1.84	3.7	12.9	25.8	0.39	2.0	<2
A00309652	<0.02	10.5	0.14	7.30	1.9	16.1	63.8	4.89	13.6	3
A00309653	0.06	15.0	0.25	3.20	6.5	14.0	42.2	2.60	14.5	<2
A00309654	0.03	15.8	0.18	4.76	4.9	7.5	60.6	1.08	18.7	2
A00309655	0.06	15.2	0.17	3.10	4.5	6.5	59.8	0.72	19.7	2
A00309656	0.04	15.0	0.19	4.74	4.7	13.3	50.8	3.71	14.0	<2
A00309657	0.05	16.4	0.24	4.59	6.3	8.4	45.4	1.78	16.0	2
A00309658	0.05	16.8	0.24	3.75	6.5	8.1	44.4	1.67	16.3	2
A00309659	0.08	15.8	0.20	4.50	4.7	7.8	39.7	1.16	14.9	2
A00309660	0.05	13.3	0.23	8.21	5.6	13.2	42.3	4.78	14.7	<2
A00309661	0.04	14.0	0.21	9.76	5.9	59.4	52.5	12.9	15.7	<2
A00309662	0.04	13.3	0.22	5.98	6.1	9.8	57.1	2.82	16.3	<2
A00309663	0.04	12.7	0.26	12.4	5.7	8.4	79.7	9.31	16.6	<2
A00309664	0.05	14.0	0.20	6.55	5.7	13.5	46.5	3.70	12.1	<2
A00309665	<0.02	11.9	0.10	35.5	2.1	10.0	64.6	5.92	5.8	2
A00309666	0.02	12.8	0.09	13.7	1.8	11.3	64.0	3.42	4.6	2
A00309667	0.08	15.5	0.14	148	6.7	18.6	61.3	0.55	5.8	<2
A00309668	0.05	14.0	0.21	15.9	5.3	16.7	44.7	2.62	13.2	<2
A00309669	<0.02	12.6	0.17	85.8	2.2	8.3	75.7	1.25	15.7	3
A00309670	0.04	13.9	0.22	50.5	2.6	7.9	67.7	1.07	16.5	4
A00309671	0.04	13.0	0.21	46.6	2.6	7.9	69.7	1.00	16.3	3
A00309672	0.05	14.7	0.23	5.01	6.0	15.1	41.3	2.54	13.1	<2
A00309673	<0.02	9.6	0.08	5.66	2.3	13.4	60.6	16.5	5.8	<2
A00309674	<0.02	8.5	0.07	12.4	2.2	12.1	76.6	13.6	4.8	<2
A00309675	0.04	14.2	0.18	3.92	4.9	15.4	42.1	21.0	12.0	<2
A00309676	<0.02	4.9	0.06	1.16	3.2	12.6	23.3	0.69	1.8	<2
A00309677	<0.02	17.6	0.14	1.28	2.6	14.1	55.8	55.8	8.8	3
A00309678	<0.02	14.3	0.14	2.27	2.4	10.1	56.9	7.97	8.5	3
A00309679	0.09	13.2	0.25	1.94	5.8	12.3	40.9	2.41	18.9	<2
A00309680	0.09	13.0	0.27	2.98	5.8	8.3	56.4	1.09	27.3	2
A00309681	0.08	16.8	0.14	134	6.5	17.6	61.4	0.57	5.9	<2
A00309682	0.07	12.6	0.27	3.51	5.6	6.2	69.4	0.73	28.7	3
A00309683	0.05	13.5	0.19	3.89	4.5	16.4	44.2	2.46	12.8	<2
A00309684	<0.02	9.8	0.09	3.18	2.0	7.9	62.8	1.04	5.4	3
A00309685	<0.02	13.1	0.08	2.63	1.6	6.6	72.9	0.77	4.3	3
A00309686	0.05	15.1	0.22	2.33	5.7	13.9	39.8	2.26	13.7	<2
A00309687	0.03	13.5	0.17	2.95	4.2	9.0	49.9	1.46	15.8	2
A00309688	0.03	13.6	0.15	2.89	2.8	8.8	45.0	8.71	16.1	3
A00309689	0.03	13.0	0.17	2.49	2.9	7.0	46.3	7.82	17.0	3
A00309690	0.16	13.5	0.22	2.42	5.7	13.1	33.4	2.07	14.0	<2
A00309691	0.62	13.3	0.18	1.68	5.1	7.6	16.0	1.44	14.9	<2

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Element Method Det.Lim. Units	In ICM40B ppm	La ICM40B ppm	Lu ICM40B ppm	Mo ICM40B ppm	Nb ICM40B ppm	Pb ICM40B ppm	Rb ICM40B ppm	Sb ICM40B ppm	Sc ICM40B ppm	Se ICM40B ppm
A00309692	1.01	13.6	0.20	1.54	4.4	7.0	40.8	2.56	13.0	<2
A00309693	0.12	14.2	0.20	1.81	5.7	11.3	40.5	1.88	12.8	<2
A00309694	0.14	13.6	0.18	1.41	5.4	7.9	47.7	1.23	16.6	<2
A00309695	0.15	13.6	0.15	1.89	5.3	7.9	55.2	0.98	16.4	<2
A00309696	0.21	13.2	0.17	1.92	5.2	19.5	57.7	1.18	18.3	<2
A00309697	0.22	13.6	0.17	2.12	5.3	17.8	58.8	1.21	18.8	<2
A00309698	0.07	14.4	0.24	4.54	5.8	16.0	48.0	2.92	14.9	<2
A00309699	<0.02	13.7	0.20	64.1	5.4	8.1	75.3	0.48	14.0	3
A00309700	<0.02	13.2	0.19	66.3	5.6	5.6	93.5	0.27	13.8	3
A00309701	<0.02	15.0	0.20	92.5	6.1	5.5	104	0.21	15.7	2
A00309702	0.15	15.3	0.17	2.56	4.0	8.3	61.5	2.48	13.7	<2
A00309703	0.09	13.8	0.17	1.36	4.9	9.2	54.4	2.14	12.0	<2
A00309704	0.08	15.2	0.15	134	6.4	16.9	66.6	0.60	6.3	<2
A00309705	0.10	13.9	0.18	1.98	4.7	9.3	45.8	2.31	13.1	<2
A00309706	0.10	13.9	0.18	0.78	4.9	7.5	49.7	2.07	13.8	<2
A00309707	0.10	14.4	0.18	1.00	5.0	8.4	44.3	2.18	14.8	<2
A00309708	0.06	13.9	0.24	2.13	6.0	12.9	43.0	2.53	15.0	<2
A00309709	0.02	12.0	0.15	4.04	4.3	9.7	67.3	1.69	9.2	<2
A00309710	<0.02	4.1	0.05	0.82	3.0	13.0	25.6	0.31	1.9	<2
A00309711	<0.02	11.8	0.10	4.64	4.1	7.2	73.5	0.80	7.9	<2
A00309712	0.11	13.9	0.20	1.44	5.3	14.0	99.1	8.79	17.4	<2
A00309713	0.14	14.2	0.18	1.82	4.4	15.0	131	2.15	21.0	<2
A00309714	0.14	16.0	0.15	146	6.7	53.7	68.2	1.50	6.5	<2
A00309715	0.05	14.6	0.24	3.98	6.4	13.6	49.6	2.62	15.7	<2
A00309716	0.04	12.1	0.17	196	5.4	104	109	16.7	9.9	<2
A00309717	0.03	11.7	0.20	15.2	6.5	9.2	65.8	1.58	11.3	<2
A00309718	0.09	10.1	0.22	72.4	4.6	10.3	123	1.55	13.1	<2
A00309719	0.07	16.4	0.22	82.7	5.5	10.7	95.7	1.65	14.7	<2
A00309720	0.02	6.1	0.07	2.32	3.3	14.5	34.0	0.47	2.5	<2
A00309721	0.07	14.2	0.24	186	4.6	8.9	120	0.57	16.2	<2
A00309722	0.06	14.2	0.24	4.97	5.7	10.3	55.3	1.90	17.0	<2

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Element Method Det.Lim. Units	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm	Yb ICM40B 0.1 ppm
A00309649	0.9	0.75	0.48	0.16	2.4	1.24	0.89	7.9	12.4	1.1
A00309650	0.9	0.38	0.37	0.17	2.1	1.37	0.74	9.5	9.9	0.9
A00309651	0.8	0.35	0.14	<0.05	1.3	0.25	0.60	0.5	3.3	0.4
A00309652	0.9	0.38	0.40	0.15	2.2	1.18	0.80	9.4	10.4	0.9
A00309653	0.9	0.51	0.57	0.05	3.1	0.45	1.42	1.4	15.5	1.6
A00309654	1.0	0.40	0.62	0.09	2.5	1.37	0.85	2.0	15.5	1.4
A00309655	1.1	0.37	0.66	0.17	2.1	1.44	0.63	4.5	17.6	1.4
A00309656	0.9	0.33	0.57	0.28	2.7	0.71	1.12	3.1	15.1	1.3
A00309657	1.3	0.46	0.76	0.29	2.6	0.95	1.05	4.1	20.4	1.8
A00309658	1.3	0.46	0.78	0.27	2.7	0.93	1.06	3.6	20.8	1.8
A00309659	1.0	0.35	0.70	1.07	2.2	0.85	0.92	4.4	19.1	1.6
A00309660	1.0	0.38	0.56	0.06	2.3	0.43	0.96	3.6	15.7	1.6
A00309661	1.0	0.42	0.50	<0.05	2.6	0.43	0.73	1.6	14.7	1.5
A00309662	0.9	0.42	0.55	<0.05	2.4	0.46	0.76	1.5	15.6	1.5
A00309663	1.0	0.33	0.66	<0.05	1.6	0.52	0.67	5.3	19.0	1.9
A00309664	0.9	0.36	0.50	0.06	3.0	0.48	1.51	1.7	13.7	1.3
A00309665	0.5	0.16	0.27	0.10	3.4	0.71	2.34	5.8	6.7	0.6
A00309666	0.8	0.16	0.26	0.10	3.5	0.74	2.36	3.9	5.8	0.6
A00309667	2.6	0.34	0.34	0.14	4.7	0.43	0.95	0.5	9.2	0.9
A00309668	0.8	0.34	0.50	0.06	2.8	0.48	1.34	1.0	14.4	1.4
A00309669	0.8	0.16	0.48	0.06	2.1	0.94	1.16	1.9	13.2	1.2
A00309670	0.8	0.19	0.55	0.06	2.2	0.94	1.62	2.2	15.5	1.5
A00309671	0.8	0.19	0.53	0.06	2.1	0.94	1.63	1.9	15.2	1.4
A00309672	0.9	0.39	0.55	<0.05	3.0	0.43	1.42	1.0	14.8	1.5
A00309673	0.7	0.16	0.27	0.09	3.4	0.80	2.39	4.8	6.2	0.6
A00309674	0.7	0.16	0.24	0.11	3.3	0.97	2.41	4.6	5.3	0.5
A00309675	0.9	0.32	0.49	0.06	2.6	0.50	1.21	3.6	13.0	1.3
A00309676	0.7	0.16	0.13	<0.05	1.3	0.22	0.79	0.2	3.0	0.4
A00309677	1.2	0.19	0.47	0.17	2.4	0.81	1.03	4.7	11.6	1.1
A00309678	1.3	0.19	0.43	0.44	2.3	0.84	0.95	7.4	10.7	1.0
A00309679	1.4	0.35	0.66	0.06	2.2	0.58	1.16	1.9	18.8	1.8
A00309680	1.6	0.34	0.84	0.07	1.2	1.07	0.73	5.4	23.2	2.1
A00309681	2.7	0.31	0.33	0.14	4.7	0.44	0.85	0.5	9.4	0.9
A00309682	1.6	0.32	0.82	0.07	0.9	1.42	0.55	5.8	23.4	2.1
A00309683	0.9	0.30	0.50	<0.05	2.5	0.58	1.23	1.2	13.2	1.3
A00309684	0.9	0.15	0.28	0.07	3.4	0.70	1.96	3.4	6.2	0.6
A00309685	0.7	0.12	0.25	0.07	3.2	0.74	2.02	3.0	5.4	0.5
A00309686	0.9	0.37	0.55	0.06	2.9	0.44	1.39	1.1	15.1	1.5
A00309687	1.2	0.28	0.52	0.09	2.1	1.02	1.00	1.9	14.0	1.3
A00309688	1.2	0.20	0.48	0.11	1.8	1.48	0.88	2.9	12.8	1.1
A00309689	1.2	0.21	0.49	0.12	1.9	1.40	0.91	2.9	13.6	1.1
A00309690	1.0	0.40	0.55	0.05	3.0	0.35	1.56	0.9	15.2	1.4
A00309691	1.4	0.38	0.52	0.06	2.8	0.20	2.60	1.4	15.6	1.3

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A00309692	1.4	0.33	0.49	0.15	2.8	0.51	3.45	1.4	15.4	1.4
A00309693	1.0	0.41	0.55	0.16	2.9	0.69	1.35	2.6	14.7	1.3
A00309694	1.0	0.38	0.55	0.14	2.6	1.14	1.14	1.1	15.3	1.2
A00309695	1.1	0.38	0.55	0.35	2.4	1.32	1.03	1.3	15.0	1.2
A00309696	1.1	0.38	0.55	0.13	2.5	1.34	1.05	1.4	16.0	1.3
A00309697	1.1	0.38	0.57	0.17	2.6	1.35	1.07	1.7	16.3	1.3
A00309698	1.1	0.41	0.56	0.07	3.4	0.47	1.53	1.2	15.2	1.5
A00309699	0.7	0.40	0.52	0.09	3.0	0.63	0.82	2.2	15.2	1.3
A00309700	0.7	0.42	0.49	<0.05	2.9	0.73	0.76	1.4	14.5	1.3
A00309701	0.8	0.45	0.56	<0.05	3.0	0.82	0.80	1.4	16.2	1.4
A00309702	1.0	0.30	0.57	0.12	2.3	0.76	1.06	1.5	15.9	1.2
A00309703	1.0	0.37	0.55	0.37	2.2	0.66	1.06	2.9	14.8	1.2
A00309704	2.5	0.33	0.33	0.13	5.0	0.40	0.96	0.6	9.5	0.9
A00309705	1.1	0.35	0.56	0.16	2.2	0.57	1.09	1.6	15.1	1.3
A00309706	1.1	0.37	0.57	0.06	2.3	0.64	1.06	1.2	15.5	1.2
A00309707	1.1	0.36	0.58	0.10	2.3	0.60	1.10	1.3	15.9	1.3
A00309708	0.9	0.41	0.55	0.08	3.2	0.42	1.47	1.0	15.4	1.5
A00309709	0.6	0.31	0.38	0.06	3.8	0.65	2.61	1.9	9.5	0.9
A00309710	0.6	0.16	0.11	<0.05	1.5	0.24	0.71	0.2	2.4	0.3
A00309711	0.6	0.28	0.31	0.10	3.6	0.66	3.12	2.4	7.1	0.6
A00309712	1.1	0.36	0.53	1.10	2.8	0.98	1.26	7.4	14.2	1.3
A00309713	1.3	0.31	0.55	0.73	2.0	1.35	1.14	13.5	14.4	1.2
A00309714	3.6	0.34	0.34	0.13	5.1	0.45	0.95	0.7	9.7	0.9
A00309715	0.9	0.43	0.56	0.05	3.4	0.44	1.58	1.6	15.6	1.5
A00309716	1.6	0.34	0.51	0.21	0.9	1.99	0.71	17.2	14.4	1.2
A00309717	1.6	0.42	0.57	<0.05	0.9	0.50	0.49	4.5	14.7	1.4
A00309718	2.0	0.34	0.47	<0.05	2.4	0.86	1.46	8.4	13.8	1.4
A00309719	1.8	0.39	0.49	<0.05	2.8	0.65	1.20	4.2	14.5	1.4
A00309720	0.7	0.18	0.15	<0.05	1.4	0.24	0.61	0.3	3.6	0.4
A00309721	2.8	0.33	0.60	0.07	2.2	0.84	1.61	17.2	17.9	1.6
A00309722	1.1	0.40	0.57	<0.05	2.8	0.44	1.27	1.9	16.8	1.5

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Element Method Det.Lim. Units	Ag AAS42E 0.3 g/t
A00309649	N.A.
A00309650	N.A.
A00309651	N.A.
A00309652	N.A.
A00309653	N.A.
A00309654	N.A.
A00309655	N.A.
A00309656	N.A.
A00309657	N.A.
A00309658	N.A.
A00309659	N.A.
A00309660	N.A.
A00309661	N.A.
A00309662	N.A.
A00309663	N.A.
A00309664	N.A.
A00309665	N.A.
A00309666	N.A.
A00309667	N.A.
A00309668	N.A.
A00309669	N.A.
A00309670	N.A.
A00309671	N.A.
A00309672	N.A.
A00309673	N.A.
A00309674	N.A.
A00309675	N.A.
A00309676	N.A.
A00309677	N.A.
A00309678	N.A.
A00309679	N.A.
A00309680	N.A.
A00309681	N.A.
A00309682	N.A.
A00309683	N.A.
A00309684	N.A.
A00309685	N.A.
A00309686	N.A.
A00309687	N.A.
A00309688	N.A.
A00309689	N.A.
A00309690	N.A.
A00309691	N.A.

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Element Method Det.Lim. Units	Ag AAS42E 0.3 g/t
A00309692	N.A.
A00309693	N.A.
A00309694	N.A.
A00309695	N.A.
A00309696	N.A.
A00309697	N.A.
A00309698	N.A.
A00309699	N.A.
A00309700	N.A.
A00309701	N.A.
A00309702	N.A.
A00309703	N.A.
A00309704	N.A.
A00309705	N.A.
A00309706	N.A.
A00309707	N.A.
A00309708	N.A.
A00309709	N.A.
A00309710	N.A.
A00309711	N.A.
A00309712	N.A.
A00309713	N.A.
A00309714	N.A.
A00309715	N.A.
A00309716	15.1
A00309717	N.A.
A00309718	N.A.
A00309719	N.A.
A00309720	N.A.
A00309721	N.A.
A00309722	N.A.

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Certificate of Analysis

Work Order: TK120185R

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 15, 2012

P.O. No. : PROJ: Lennac /SHIPMENT: RRLE006-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 19, 2012
Report Comprises : Pages 1 to 11
(Inclusive of Cover Sheet)

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm	Mg ICM40B 0.01 %
A00309649	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309650	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309651	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309652	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309653	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309654	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309655	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309656	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309657	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309658	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309659	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309660	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309661	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309662	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309663	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309664	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309665	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309666	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309667	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309668	N.A.	6.21	573	2.25	28	149	3.91	1.34	26	1.00
A00309669	N.A.	6.99	346	2.46	18	699	3.96	1.62	10	1.51
A00309670	N.A.	7.60	297	2.58	19	800	4.70	1.56	10	1.76
A00309671	N.A.	7.50	300	2.45	18	792	4.54	1.44	10	1.74
A00309672	N.A.	5.64	628	2.10	34	46.9	4.02	1.30	30	0.88
A00309673	N.A.	5.89	1180	2.08	13	90.8	2.63	2.17	96	0.35
A00309674	N.A.	6.13	1250	2.30	11	185	2.70	2.61	46	0.30
A00309675	N.A.	6.08	544	1.92	28	143	4.05	1.26	49	0.93
A00309676	N.A.	4.87	940	0.92	7	11.2	1.16	2.26	7	0.28
A00309677	N.A.	6.66	499	1.88	9	639	4.00	1.41	67	0.78
A00309678	N.A.	6.17	241	1.96	10	559	3.71	1.31	56	0.85
A00309679	N.A.	7.92	462	3.46	20	119	5.39	1.14	23	1.89
A00309680	N.A.	8.69	201	4.11	12	120	6.27	1.23	10	3.16
A00309681	N.A.	6.54	1530	2.08	16	1780	3.91	2.21	9	0.64
A00309682	N.A.	9.17	162	4.07	8	148	6.92	1.55	10	3.98
A00309683	N.A.	6.55	611	2.52	24	83.8	4.13	1.41	22	1.12
A00309684	N.A.	6.27	627	2.30	12	155	2.63	2.08	11	0.37
A00309685	N.A.	5.14	659	2.04	10	247	2.79	2.29	10	0.31
A00309686	N.A.	6.07	607	2.45	29	82.2	3.96	1.20	27	0.89
A00309687	N.A.	7.56	318	3.42	20	170	4.68	1.20	12	1.22
A00309688	N.A.	7.39	193	4.17	16	299	4.89	0.96	24	0.78
A00309689	N.A.	7.52	199	4.29	17	284	5.14	0.95	22	0.78
A00309690	N.A.	6.84	521	2.96	27	34.2	3.83	1.00	25	0.99
A00309691	N.A.	8.91	120	5.96	13	31.0	3.58	0.32	15	1.15

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Element Method Det.Lim. Units	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm	Mg ICM40B 0.01 %
A00309692	N.A.	7.42	87	6.31	11	230	3.81	0.73	15	0.65
A00309693	N.A.	6.76	431	2.97	22	20.9	4.06	1.22	23	1.20
A00309694	N.A.	8.01	255	3.37	13	130	3.98	1.38	15	1.67
A00309695	N.A.	8.44	182	3.56	12	30.4	4.37	1.50	14	1.87
A00309696	N.A.	8.74	185	3.99	15	83.1	4.59	1.54	11	1.97
A00309697	N.A.	8.50	202	3.93	16	78.1	4.43	1.46	10	1.80
A00309698	N.A.	6.71	702	2.25	29	199	4.02	1.39	26	0.91
A00309699	N.A.	6.96	439	2.71	13	1890	4.00	1.86	10	1.35
A00309700	N.A.	7.10	795	2.07	12	2110	3.66	2.44	10	1.92
A00309701	N.A.	7.53	923	2.08	14	2160	4.01	2.12	9	2.13
A00309702	38	9.26	631	4.60	9	22.6	5.55	1.71	11	1.47
A00309703	1610	8.23	519	2.82	6	27.0	5.50	1.51	11	1.61
A00309704	285	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309705	31	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309706	17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309707	5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309708	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309709	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309710	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309711	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309712	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309713	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309714	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309715	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309716	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309717	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309718	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309719	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309720	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309721	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309722	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm	Zr ICM40B 0.5 ppm
A00309649	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309650	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309651	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309652	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309653	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309654	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309655	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309656	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309657	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309658	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309659	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309660	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309661	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309662	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309663	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309664	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309665	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309666	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309667	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309668	791	2.38	15.8	820	0.43	302	0.33	120	102	53.8
A00309669	281	2.81	4.7	760	2.31	279	0.27	151	59	42.9
A00309670	300	2.74	4.6	830	2.56	310	0.33	151	60	52.7
A00309671	288	2.69	4.5	850	2.54	300	0.33	152	56	56.1
A00309672	886	2.20	19.3	880	0.11	295	0.35	117	103	57.4
A00309673	205	0.52	5.1	860	1.90	175	0.16	74	140	35.6
A00309674	144	1.27	4.8	820	2.20	261	0.14	65	326	33.3
A00309675	726	2.12	15.5	830	0.76	346	0.31	117	98	48.7
A00309676	270	4.16	3.0	290	0.02	533	0.12	33	42	10.9
A00309677	128	2.36	3.3	840	4.01	469	0.16	89	48	46.2
A00309678	70	2.96	3.7	780	4.02	412	0.16	71	26	44.0
A00309679	903	2.47	9.9	970	0.78	307	0.47	166	71	53.8
A00309680	769	2.42	4.6	1090	1.77	315	0.63	280	51	68.4
A00309681	659	2.76	12.0	720	0.26	652	0.19	75	79	11.3
A00309682	765	2.64	2.1	1130	2.16	347	0.71	278	47	76.5
A00309683	820	2.55	13.6	890	0.70	302	0.30	121	75	46.9
A00309684	172	1.40	4.1	790	2.15	177	0.10	61	23	34.3
A00309685	131	1.47	4.8	740	2.50	173	0.08	51	20	33.3
A00309686	838	2.24	18.2	860	0.41	286	0.34	121	89	57.4
A00309687	352	2.27	7.7	770	2.39	239	0.33	134	42	41.8
A00309688	195	1.63	3.7	740	3.90	174	0.28	142	30	32.9
A00309689	207	1.64	3.9	740	4.18	179	0.28	145	32	34.1
A00309690	792	2.76	16.0	880	0.17	279	0.34	115	73	48.5
A00309691	596	3.26	2.0	820	0.27	285	0.38	126	34	37.4

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Element Method Det.Lim. Units	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm	Zr ICM40B 0.5 ppm
A00309692	709	1.72	2.3	710	0.53	195	0.26	107	35	32.2
A00309693	743	2.71	11.5	840	0.40	317	0.35	117	65	48.1
A00309694	578	3.67	4.8	790	0.32	396	0.41	132	53	35.3
A00309695	513	3.51	2.8	830	0.93	413	0.43	150	59	31.7
A00309696	610	3.38	3.1	790	0.41	387	0.43	142	63	30.5
A00309697	573	3.22	3.4	780	0.52	367	0.41	139	63	34.4
A00309698	835	2.34	17.3	850	0.14	331	0.35	116	125	54.1
A00309699	263	2.58	4.4	750	1.66	292	0.41	88	46	22.3
A00309700	281	2.61	4.4	670	0.93	339	0.42	125	56	22.0
A00309701	301	2.71	4.9	680	1.02	340	0.45	139	63	24.5
A00309702	1710	2.40	1.2	870	0.29	219	0.28	146	84	33.2
A00309703	1390	2.68	<0.5	920	1.01	245	0.33	142	96	33.3
A00309704	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309705	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309706	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309707	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309708	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309709	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309710	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309711	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309712	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309713	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309714	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309715	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309716	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309717	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309718	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309719	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309720	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309721	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309722	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm	Hf ICM40B 0.02 ppm
A00309649	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309650	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309651	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309652	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309653	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309654	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309655	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309656	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309657	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309658	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309659	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309660	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309661	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309662	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309663	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309664	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309665	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309666	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309667	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309668	0.18	13	0.8	0.15	0.30	26.6	13.9	<5	14.9	1.56
A00309669	0.40	5	0.9	0.16	0.28	24.6	18.8	7	16.7	1.89
A00309670	0.41	4	1.0	0.16	0.22	27.9	21.7	5	18.2	2.36
A00309671	0.43	4	1.0	0.15	0.23	26.6	20.9	5	18.1	2.44
A00309672	0.32	17	0.9	0.17	0.39	29.1	13.5	<5	15.2	2.31
A00309673	0.15	17	0.8	0.14	0.75	19.1	7.3	<5	17.4	1.21
A00309674	0.19	21	0.8	0.16	1.69	17.6	7.2	5	17.3	1.13
A00309675	0.19	24	1.0	0.15	0.50	28.2	14.4	5	15.7	1.60
A00309676	0.02	2	1.7	<0.04	0.03	15.4	3.3	<5	20.4	0.60
A00309677	0.20	126	0.9	0.60	0.37	33.6	12.4	9	17.9	1.31
A00309678	0.22	116	1.0	0.64	0.37	28.8	6.8	9	17.3	2.22
A00309679	0.17	12	1.0	0.18	0.17	26.5	13.5	5	17.6	1.82
A00309680	0.18	7	1.2	0.25	0.17	27.3	15.4	6	21.0	2.17
A00309681	0.64	3	1.3	0.28	0.35	28.4	7.7	<5	18.6	0.44
A00309682	0.16	5	1.5	0.25	0.12	27.9	15.1	6	22.0	2.11
A00309683	0.15	12	0.8	0.08	0.22	24.4	12.8	<5	15.2	1.34
A00309684	0.11	4	0.9	0.10	0.08	21.3	11.8	<5	15.4	1.14
A00309685	0.12	3	1.0	0.09	0.07	24.1	11.9	<5	15.5	1.11
A00309686	0.17	17	1.0	0.14	0.34	27.5	13.5	<5	16.0	1.75
A00309687	0.17	13	0.8	0.23	0.11	25.7	13.1	7	19.1	1.27
A00309688	0.17	73	0.8	0.31	0.18	25.9	17.7	8	19.3	1.80
A00309689	0.18	70	0.8	0.30	0.17	25.5	18.9	8	18.0	1.67
A00309690	0.12	13	1.0	0.17	0.27	26.3	11.9	<5	15.4	1.85
A00309691	0.13	6	0.9	0.46	0.07	27.7	6.2	13	17.3	1.51

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Element Method Det.Lim. Units	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm	Hf ICM40B 0.02 ppm
A00309692	0.19	13	0.8	0.51	0.10	27.2	5.4	22	17.6	1.11
A00309693	0.15	12	1.0	0.30	0.27	28.8	13.9	<5	16.1	2.27
A00309694	0.32	8	1.0	0.36	0.22	27.0	8.5	<5	18.0	2.17
A00309695	0.23	5	1.0	0.81	0.12	26.6	22.5	<5	18.0	2.32
A00309696	0.26	10	1.0	0.41	0.14	26.5	13.2	<5	17.6	1.76
A00309697	0.26	13	1.1	0.46	0.15	26.7	15.5	<5	17.9	1.76
A00309698	0.22	16	0.9	0.13	0.51	26.9	13.8	<5	15.1	1.71
A00309699	0.51	3	0.9	0.18	0.16	27.4	20.1	6	18.2	0.92
A00309700	0.60	2	1.0	0.05	0.23	25.3	17.2	<5	17.8	0.97
A00309701	0.61	2	1.2	1.14	0.23	29.4	20.8	<5	18.4	1.40
A00309702	0.03	2	0.2	0.12	0.03	6.70	2.8	<5	5.1	0.46
A00309703	0.66	14	0.8	1.19	0.03	27.2	14.3	<5	17.3	1.21
A00309704	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309705	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309706	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309707	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309708	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309709	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309710	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309711	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309712	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309713	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309714	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309715	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309716	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309717	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309718	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309719	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309720	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309721	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309722	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm	Se ICM40B 2 ppm
A00309649	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309650	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309651	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309652	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309653	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309654	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309655	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309656	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309657	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309658	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309659	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309660	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309661	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309662	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309663	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309664	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309665	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309666	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309667	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309668	0.04	13.3	0.22	18.8	5.1	14.4	42.9	2.56	13.1	<2
A00309669	0.02	11.5	0.21	90.0	2.2	5.1	78.5	1.53	16.9	3
A00309670	0.04	13.2	0.27	55.9	2.7	6.1	73.4	1.41	17.4	3
A00309671	0.04	12.6	0.28	50.1	2.7	16.3	70.9	1.22	17.4	3
A00309672	0.05	14.3	0.30	5.73	6.3	11.8	44.0	2.87	14.2	<2
A00309673	<0.02	8.8	0.09	6.63	2.3	8.4	64.4	17.5	6.0	<2
A00309674	<0.02	7.8	0.08	14.7	2.1	7.0	75.7	14.0	4.9	<2
A00309675	0.04	13.8	0.20	3.41	5.0	12.0	43.9	22.7	13.1	<2
A00309676	<0.02	7.7	0.07	1.75	3.1	10.2	31.2	0.57	1.9	<2
A00309677	<0.02	16.7	0.16	1.20	2.5	9.2	61.1	61.6	9.2	3
A00309678	<0.02	13.9	0.20	3.13	2.3	6.7	63.2	8.32	9.3	3
A00309679	0.08	12.7	0.29	2.71	5.6	6.5	41.3	2.43	18.6	<2
A00309680	0.09	11.8	0.34	2.47	6.0	3.5	61.0	1.26	28.8	<2
A00309681	0.07	15.2	0.14	167	6.6	14.5	69.1	0.62	6.1	<2
A00309682	0.08	11.8	0.36	3.47	5.8	1.9	74.4	0.85	30.6	3
A00309683	0.04	12.0	0.19	3.58	4.4	10.7	46.0	2.25	13.0	<2
A00309684	<0.02	8.8	0.09	3.36	1.9	3.5	66.4	1.09	5.4	3
A00309685	<0.02	12.1	0.07	3.02	1.6	2.6	69.2	0.91	4.4	3
A00309686	0.05	13.4	0.23	2.03	5.6	9.9	41.4	2.41	14.2	<2
A00309687	0.03	12.6	0.18	2.56	4.0	4.1	50.9	1.58	15.9	<2
A00309688	0.03	12.2	0.21	3.75	2.8	3.7	45.4	10.0	17.4	3
A00309689	0.03	12.1	0.19	2.56	2.9	3.4	43.9	8.65	15.7	3
A00309690	0.16	12.8	0.24	2.43	5.6	8.4	32.3	2.19	13.6	<2
A00309691	0.60	13.4	0.21	1.87	4.9	5.0	14.9	1.35	13.7	<2

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Element Method Det.Lim. Units	In ICM40B ppm	La ICM40B ppm	Lu ICM40B ppm	Mo ICM40B ppm	Nb ICM40B ppm	Pb ICM40B ppm	Rb ICM40B ppm	Sb ICM40B ppm	Sc ICM40B ppm	Se ICM40B ppm
A00309692	1.00	13.0	0.21	2.86	4.1	5.4	39.1	2.68	12.8	<2
A00309693	0.12	13.8	0.26	1.94	5.8	8.2	39.3	2.00	13.5	<2
A00309694	0.13	12.5	0.24	1.85	5.4	5.1	47.4	1.30	16.0	<2
A00309695	0.15	12.6	0.24	1.97	5.2	5.6	53.8	1.01	16.2	<2
A00309696	0.22	12.4	0.21	1.91	5.0	12.5	58.0	1.21	17.5	<2
A00309697	0.22	12.3	0.22	2.11	5.2	16.1	58.0	1.26	18.1	<2
A00309698	0.05	13.1	0.22	4.86	5.6	10.5	45.2	2.55	13.2	<2
A00309699	<0.02	13.3	0.19	78.7	5.1	3.7	69.8	0.56	12.6	3
A00309700	<0.02	11.9	0.18	65.9	5.5	1.6	91.7	0.41	12.8	2
A00309701	<0.02	14.1	0.22	97.0	5.9	2.6	103	0.25	14.7	2
A00309702	0.03	3.3	0.05	0.49	0.8	<0.5	12.8	0.56	2.9	<2
A00309703	0.08	13.3	0.17	1.70	4.2	5.2	50.9	2.04	10.8	<2
A00309704	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309705	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309706	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309707	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309708	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309709	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309710	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309711	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309712	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309713	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309714	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309715	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309716	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309717	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309718	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309719	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309720	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309721	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309722	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm	Yb ICM40B 0.1 ppm
A00309649	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309650	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309651	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309652	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309653	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309654	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309655	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309656	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309657	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309658	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309659	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309660	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309661	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309662	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309663	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309664	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309665	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309666	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309667	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309668	0.8	0.34	0.49	<0.05	3.0	0.45	1.36	1.0	13.9	1.4
A00309669	0.9	0.16	0.45	0.05	2.2	0.91	1.35	2.0	14.7	1.4
A00309670	0.9	0.19	0.54	0.07	2.4	0.93	1.93	2.0	17.1	1.7
A00309671	0.9	0.19	0.52	0.06	2.6	0.95	2.08	1.9	17.4	1.9
A00309672	0.9	0.40	0.55	0.06	3.5	0.43	1.70	1.1	17.3	1.9
A00309673	0.8	0.15	0.25	0.07	3.5	0.77	2.49	4.9	6.1	0.6
A00309674	0.7	0.13	0.22	0.11	3.5	0.96	2.40	4.8	5.4	0.5
A00309675	0.9	0.32	0.48	0.08	2.9	0.49	1.33	3.9	14.2	1.4
A00309676	0.6	0.16	0.15	<0.05	1.8	0.23	1.04	0.2	3.9	0.4
A00309677	1.2	0.20	0.44	0.21	2.6	0.80	1.05	4.6	11.9	1.1
A00309678	1.3	0.18	0.42	0.47	2.8	0.80	1.34	7.4	12.8	1.4
A00309679	1.3	0.36	0.65	0.05	2.5	0.53	1.32	1.9	19.3	2.0
A00309680	1.7	0.36	0.79	0.08	1.6	1.07	1.02	5.9	25.9	2.5
A00309681	2.9	0.32	0.32	0.15	4.8	0.43	0.96	0.5	9.8	0.9
A00309682	1.7	0.34	0.83	0.06	1.3	1.43	0.86	6.0	26.6	2.7
A00309683	0.8	0.28	0.47	<0.05	2.7	0.51	1.29	1.3	13.3	1.3
A00309684	0.9	0.13	0.26	0.07	3.4	0.68	1.95	3.3	6.3	0.6
A00309685	0.7	0.12	0.23	0.07	3.4	0.77	2.11	3.2	5.4	0.5
A00309686	1.0	0.33	0.51	<0.05	3.0	0.43	1.43	1.1	15.8	1.5
A00309687	1.2	0.28	0.49	0.09	2.2	0.95	1.03	1.9	13.9	1.3
A00309688	1.2	0.19	0.47	0.15	2.4	1.40	1.14	2.9	14.1	1.6
A00309689	1.2	0.20	0.44	0.12	2.1	1.35	1.02	2.9	14.4	1.5
A00309690	1.1	0.36	0.51	0.07	3.0	0.33	1.51	0.8	16.2	1.7
A00309691	1.4	0.36	0.51	0.09	2.9	0.19	2.48	1.4	15.3	1.5

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Element Method Det.Lim. Units	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm	Yb ICM40B 0.1 ppm
A00309692	1.4	0.29	0.46	0.14	2.9	0.52	3.27	1.3	15.9	1.5
A00309693	1.0	0.39	0.59	0.11	3.3	0.66	1.47	1.9	16.9	1.8
A00309694	1.1	0.37	0.52	0.12	2.8	1.17	1.21	1.0	17.1	1.8
A00309695	1.2	0.35	0.53	0.29	2.8	1.32	1.20	1.2	17.7	1.7
A00309696	1.1	0.35	0.53	0.12	2.6	1.34	1.14	1.4	17.1	1.5
A00309697	1.2	0.35	0.52	0.18	2.6	1.32	1.13	1.7	17.6	1.6
A00309698	0.9	0.36	0.50	0.07	3.1	0.43	1.42	1.1	15.5	1.5
A00309699	0.6	0.36	0.49	0.11	2.8	0.58	0.85	2.2	14.5	1.4
A00309700	0.7	0.36	0.46	0.05	2.7	0.70	0.79	1.3	14.9	1.3
A00309701	0.8	0.40	0.53	<0.05	3.1	0.79	1.06	1.6	17.1	1.6
A00309702	<0.3	0.06	0.12	<0.05	0.6	0.17	0.26	0.3	3.8	0.4
A00309703	0.9	0.30	0.51	0.78	2.1	0.62	0.97	2.6	14.2	1.2
A00309704	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309705	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309706	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309707	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309708	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309709	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309710	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309711	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309712	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309713	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309714	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309715	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309716	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309717	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309718	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309719	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309720	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309721	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00309722	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Certificate of Analysis

Work Order: TK120197

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 31, 2012

P.O. No. : PROJ: /SHIPMENT: RRLE007-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 07, 2012
Report Comprises : Pages 1 to 19
(Inclusive of Cover Sheet)

Distribution of unused material:

Store for 90 days:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307001	3.345	18	7.86	735	3.06	13	1070	2.99	2.57	4
A00307002	6.830	8	7.76	752	2.63	13	905	2.94	2.31	3
A00307003	7.175	<5	7.66	733	2.60	14	524	2.97	2.22	4
A00307004	6.460	6	7.73	744	2.64	11	598	2.71	2.20	4
A00307005	0.110	262	7.54	1510	2.28	15	1710	3.99	2.37	8
A00307006	3.175	6	7.97	729	2.72	25	754	2.95	2.29	4
A00307007	3.730	25	8.48	528	2.61	14	2060	4.83	2.39	9
A00307008	3.055	39	7.81	692	1.97	11	2540	4.01	2.61	6
A00307009	3.085	47	7.31	1490	1.96	10	2150	2.59	3.16	4
A00307010	2.900	<5	5.56	1150	1.14	6	9.4	1.48	2.14	5
A00307011	1.910	21	7.92	321	2.53	11	1630	3.85	1.74	4
A00307012	0.525	45	7.12	1340	2.14	8	2130	1.99	3.54	3
A00307013	6.690	29	7.41	1060	2.07	10	1210	2.67	2.92	5
A00307014	6.780	21	7.70	1070	2.24	11	1180	2.90	2.87	5
A00307015	7.055	26	7.20	1070	2.52	10	1380	2.88	2.58	5
A00307016	6.515	26	7.96	496	2.67	13	2100	4.47	1.67	7
A00307017	6.635	32	8.13	505	2.69	15	2290	4.71	1.78	7
A00307018	7.040	19	7.99	527	2.73	13	1530	4.38	1.44	6
A00307019	1.910	18	8.70	708	3.57	13	1680	4.99	1.55	7
A00307020	4.135	11	8.06	670	2.85	14	1040	4.86	1.81	7
A00307021	7.185	<5	7.69	749	2.66	12	352	2.84	2.02	5
A00307022	2.930	7	7.83	699	2.98	13	357	2.86	2.01	5
A00307023	4.260	30	8.16	474	2.96	16	2110	4.83	2.03	10
A00307024	6.870	58	8.24	329	2.95	14	3030	3.59	1.70	9
A00307025	7.060	52	7.93	261	2.51	17	2720	4.15	1.53	7
A00307026	0.140	215	7.47	1450	2.26	16	1720	4.01	2.38	8
A00307027	7.165	59	8.00	332	2.66	15	2740	3.97	1.69	7
A00307028	6.960	19	8.44	527	2.90	10	1260	4.10	1.50	6
A00307029	3.200	20	8.24	580	2.69	13	1100	4.39	1.58	6
A00307030	3.165	9	8.41	378	2.53	11	980	4.51	1.41	6
A00307031	7.120	58	8.00	376	3.51	11	1550	4.26	1.82	13
A00307032	7.095	43	8.20	388	2.73	10	1700	4.26	1.69	7
A00307033	1.990	<5	5.68	1150	1.07	6	11.7	1.48	2.26	5
A00307034	7.065	48	7.92	612	2.21	11	2060	3.98	2.08	9
*Dup A00307034	N.A.	45	7.90	602	2.23	9	2050	4.08	2.10	8
A00307035	2.605	19	8.37	548	2.53	11	997	4.33	1.73	9
A00307036	4.780	5	8.53	712	3.35	15	182	3.39	2.04	6
A00307037	7.160	281	7.70	1470	2.30	15	1700	4.09	2.41	8
A00307038	4.670	17	7.57	713	3.21	12	399	2.78	2.18	6
A00307039	7.210	<5	7.55	668	2.94	16	125	2.86	2.04	6
A00307040	7.230	<5	8.04	784	3.08	15	106	2.98	2.10	6
A00307041	8.195	6	7.84	660	2.68	14	258	2.95	2.10	6
A00307042	5.705	122	8.10	381	2.79	10	1820	4.15	1.83	11

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307043	5.055	28	8.20	368	2.84	12	1900	4.40	1.85	11
A00307044	6.635	23	8.06	634	2.58	14	1410	4.58	2.07	7
A00307045	6.860	14	8.16	612	3.19	15	800	3.55	2.07	5
A00307046	6.395	45	7.95	364	2.47	14	2520	4.46	1.93	7
A00307047	6.595	21	7.86	587	2.94	13	859	3.31	2.01	5
A00307048	2.410	<5	4.48	1060	0.93	5	13.6	1.17	2.20	6
A00307049	6.180	7	7.48	833	2.93	11	380	2.74	2.50	4
A00307050	6.025	6	7.10	766	2.52	13	279	2.63	2.15	8
A00307051	6.090	7	7.51	743	2.77	13	290	2.64	2.14	5
A00307052	6.245	<5	7.73	712	2.83	15	184	2.92	2.07	6
A00307053	5.580	8	7.52	727	2.57	14	563	2.77	2.22	5
A00307054	6.145	13	7.64	704	2.56	12	729	2.76	2.29	5
A00307055	1.655	75	7.08	441	1.80	14	4340	3.96	2.55	7
A00307056	1.620	57	8.13	532	2.29	18	3300	4.35	2.40	10
A00307057	1.640	49	7.79	387	2.24	15	2620	4.17	1.81	6
A00307058	0.580	437	5.48	472	2.05	39	4950	3.65	0.87	13
A00307059	1.930	101	7.91	365	2.06	13	5340	3.81	2.36	8
A00307060	1.225	54	8.04	495	2.11	13	2890	3.96	2.23	9
A00307061	1.730	50	8.19	568	2.17	14	3090	4.50	2.45	8
A00307062	2.765	73	7.88	484	2.09	14	5120	4.80	2.13	8
A00307063	2.120	58	7.91	539	1.94	14	3740	3.83	2.50	7
A00307064	2.075	69	7.87	488	2.55	12	4650	3.66	2.30	6
A00307065	2.415	34	7.98	570	2.32	13	2140	3.47	2.29	5
A00307066	2.270	5	7.88	752	2.50	13	364	2.86	2.07	5
A00307067	2.055	5	7.50	705	2.48	14	271	2.83	2.07	5
A00307068	2.330	9	7.74	658	2.65	13	640	2.91	2.06	6
A00307069	1.990	49	7.98	368	2.18	14	3920	4.32	2.35	8
A00307070	2.360	<5	6.11	962	0.90	6	13.5	1.45	2.14	6
A00307071	3.375	65	8.25	347	2.70	15	4670	4.29	2.30	7
A00307072	0.695	25	7.02	693	1.85	12	1930	2.51	2.80	5
A00307073	6.835	28	6.26	688	1.84	13	1740	2.62	2.76	6
A00307074	6.748	30	7.20	751	2.48	13	1640	2.77	2.89	8
*Rep A00307023		32								
*Rep A00307073		31								
*Std SH65		1330								
*Std OXF100		813								
*Std GS-2L		2430								
*Std SH65		1340								
*BIK BLANK		<5								
*Rep A00307010			5.17	1090	1.13	7	8.8	1.47	2.12	5
*Rep A00307042			8.21	386	2.82	12	1810	4.17	1.90	11
*Std CH-4			7.65	463	1.88	76	1970	4.88	1.82	13
*Std CH-4			7.01	408	1.75	82	1920	4.84	1.82	13

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Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	1	0.01	1	0.5	0.01	0.01	1
Units	%	ppm	%	ppm	ppm	%	%	ppm
*BIK BLANK	0.04	<1	<0.01	<1	2.6	0.01	<0.01	<1
*BIK BLANK	0.02	<1	<0.01	<1	1.0	<0.01	<0.01	<1

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307001	1.24	287	2.72	7.0	860	0.23	564	0.23	73	43
A00307002	0.80	301	2.92	7.5	900	0.16	599	0.25	77	44
A00307003	0.81	284	2.94	6.8	880	0.11	589	0.25	75	35
A00307004	0.72	261	2.95	7.0	880	0.13	572	0.24	73	34
A00307005	0.65	679	2.69	12.8	730	0.27	684	0.20	73	76
A00307006	0.96	286	2.92	11.6	870	0.17	590	0.25	82	39
A00307007	1.93	332	2.62	7.0	700	0.62	349	0.56	166	59
A00307008	1.06	219	3.06	4.4	580	0.85	318	0.46	144	53
A00307009	0.73	197	2.52	5.3	720	0.86	511	0.22	72	45
A00307010	0.29	306	3.81	4.0	500	<0.01	642	0.13	39	42
A00307011	1.12	328	3.30	5.0	620	0.98	302	0.45	159	53
A00307012	0.53	200	2.06	4.6	640	0.71	421	0.19	69	37
A00307013	0.81	233	2.31	4.5	790	0.58	482	0.24	79	43
A00307014	0.82	343	2.42	5.3	770	0.46	553	0.24	73	44
A00307015	0.99	302	2.24	3.8	700	0.73	463	0.23	80	44
A00307016	1.64	428	2.71	5.6	600	1.26	363	0.47	146	57
A00307017	1.66	431	2.72	6.8	580	1.45	359	0.48	139	62
A00307018	1.56	637	3.07	5.1	620	0.77	402	0.47	155	53
A00307019	1.41	550	2.58	5.1	590	0.99	324	0.50	150	61
A00307020	2.00	557	2.52	6.0	590	0.77	375	0.48	147	64
A00307021	0.81	331	2.94	6.0	880	0.08	577	0.24	77	37
A00307022	0.77	341	2.83	6.1	880	0.10	564	0.25	79	36
A00307023	2.11	504	2.30	5.3	600	0.52	311	0.50	158	65
A00307024	1.08	338	2.33	3.8	660	1.10	301	0.47	130	59
A00307025	1.31	320	2.73	4.4	700	1.24	328	0.47	117	67
A00307026	0.64	681	2.71	11.8	690	0.25	687	0.19	72	76
A00307027	1.48	373	2.76	4.7	650	0.81	359	0.46	131	56
A00307028	1.50	455	3.20	3.9	620	0.42	398	0.45	142	47
A00307029	1.56	460	3.15	5.0	640	0.34	403	0.47	142	50
A00307030	1.26	414	3.36	5.2	730	0.50	381	0.46	147	47
A00307031	1.37	412	2.33	4.5	650	0.87	291	0.42	139	55
A00307032	1.31	386	2.97	4.0	660	0.44	376	0.43	136	56
A00307033	0.31	307	4.02	4.5	400	<0.01	678	0.13	35	42
A00307034	1.69	409	3.08	4.3	560	0.29	397	0.45	135	62
*Dup A00307034	1.65	407	3.12	4.2	570	0.26	400	0.44	138	64
A00307035	1.81	540	3.29	5.5	660	0.20	436	0.45	145	52
A00307036	0.93	519	3.11	8.6	1000	<0.01	655	0.29	90	44
A00307037	0.64	678	2.68	11.7	730	0.25	697	0.20	72	75
A00307038	0.88	455	2.82	5.9	830	0.13	562	0.24	75	40
A00307039	0.82	450	3.08	7.0	880	0.02	566	0.24	80	46
A00307040	0.88	467	3.03	7.5	940	0.03	609	0.25	74	40
A00307041	0.97	385	2.96	8.7	940	0.10	562	0.25	78	30
A00307042	1.73	418	2.82	5.5	790	0.58	367	0.46	131	51

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307043	1.70	426	2.81	5.6	770	0.65	375	0.45	126	51
A00307044	1.66	472	2.86	5.8	710	0.55	389	0.46	128	50
A00307045	1.25	497	3.07	7.4	910	0.11	558	0.37	109	51
A00307046	1.66	442	2.95	5.8	640	0.49	356	0.54	150	60
A00307047	0.97	392	2.94	6.2	870	0.21	537	0.30	94	34
A00307048	0.28	269	3.85	4.1	350	<0.01	603	0.12	31	36
A00307049	0.61	362	2.52	6.4	870	0.37	543	0.21	64	35
A00307050	0.88	379	3.01	6.5	890	0.05	554	0.24	69	38
A00307051	0.80	370	2.99	6.6	880	0.14	571	0.24	68	37
A00307052	0.97	405	2.90	8.8	930	0.06	594	0.25	77	39
A00307053	0.91	358	2.83	7.3	910	0.15	557	0.24	74	36
A00307054	0.94	356	2.89	7.0	870	0.15	554	0.26	73	38
A00307055	1.62	356	2.68	5.9	790	0.48	364	0.47	145	52
A00307056	2.45	398	3.06	5.4	860	0.33	414	0.60	163	78
A00307057	1.27	309	3.65	5.0	870	0.26	420	0.56	160	65
A00307058	1.06	583	1.99	26.9	550	0.55	258	0.27	101	46
A00307059	1.89	349	3.30	5.2	810	0.53	398	0.54	150	85
A00307060	2.03	344	3.17	5.2	790	0.29	419	0.57	153	77
A00307061	2.31	370	2.94	5.9	830	0.35	419	0.57	154	83
A00307062	2.00	307	2.98	6.9	810	0.69	407	0.56	153	82
A00307063	1.93	272	3.09	5.7	850	0.45	391	0.55	160	76
A00307064	1.88	295	3.07	5.6	770	0.58	383	0.53	143	75
A00307065	1.53	344	3.10	6.0	890	0.48	478	0.41	125	56
A00307066	1.00	358	3.14	7.8	950	0.05	601	0.26	75	44
A00307067	0.98	363	3.13	8.6	930	0.03	580	0.26	73	41
A00307068	1.02	327	3.08	7.3	910	0.27	563	0.29	90	44
A00307069	1.84	306	3.20	5.9	750	1.02	389	0.54	154	93
A00307070	0.31	297	4.21	4.6	430	<0.01	586	0.13	34	41
A00307071	1.82	329	3.07	7.4	780	0.83	415	0.52	154	71
A00307072	0.73	196	2.73	5.9	850	0.23	495	0.22	67	34
A00307073	0.66	248	1.98	6.4	710	0.29	410	0.18	64	30
A00307074	0.96	285	2.24	6.1	820	0.28	453	0.21	69	34
*Rep A00307010	0.28	305	3.76	4.6	510	<0.01	590	0.13	40	42
*Rep A00307042	1.77	417	2.84	5.6	790	0.57	369	0.46	137	52
*Std CH-4	1.39	439	3.23	46.4	570	0.65	216	0.29	90	190
*Std CH-4	1.36	423	3.21	45.7	580	0.56	208	0.27	80	176

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Element	Mg	Mn	Na	Ni	P	S	Sr	Ti	V	Zn
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.01	2	0.01	0.5	50	0.01	0.5	0.01	2	1
Units	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
*BIK BLANK	<0.01	5	<0.01	0.5	<50	<0.01	0.6	<0.01	<2	2
*BIK BLANK	<0.01	<2	<0.01	<0.5	<50	<0.01	1.9	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307001	25.1	0.64	4	0.8	0.12	0.08	21.1	10.0	<5	18.8
A00307002	25.9	0.45	5	1.0	0.04	0.06	20.7	10.9	<5	19.1
A00307003	25.9	0.27	2	0.9	<0.04	0.05	20.6	10.9	<5	19.2
A00307004	27.1	0.27	3	1.0	<0.04	0.05	20.5	10.7	<5	19.7
A00307005	12.0	0.68	4	1.2	0.33	0.17	29.3	8.2	<5	18.4
A00307006	27.1	0.37	3	0.9	0.08	0.05	21.2	13.8	<5	20.2
A00307007	68.6	0.64	3	1.0	0.07	0.15	31.4	24.6	<5	20.7
A00307008	37.1	0.74	5	0.9	0.08	0.17	27.8	21.0	<5	18.2
A00307009	26.2	0.75	14	0.7	0.11	0.19	21.1	12.4	<5	17.8
A00307010	11.7	<0.02	3	1.5	0.05	<0.02	14.0	4.0	<5	21.9
A00307011	43.4	0.64	202	1.1	0.10	0.15	26.7	15.1	<5	18.9
A00307012	25.3	0.93	54	0.5	0.56	0.14	21.9	12.1	<5	17.2
A00307013	28.9	0.49	11	0.7	0.12	0.12	22.5	11.8	<5	18.3
A00307014	28.7	0.46	4	0.6	0.12	0.12	23.9	12.2	<5	18.9
A00307015	27.4	0.58	3	0.8	0.41	0.15	19.9	12.1	<5	16.7
A00307016	55.6	0.64	3	0.8	0.09	0.15	29.2	23.9	<5	17.9
A00307017	55.1	0.75	3	0.8	0.18	0.19	29.6	25.7	<5	18.8
A00307018	41.8	0.45	3	1.0	0.06	0.13	27.8	20.2	<5	19.0
A00307019	53.9	0.43	3	0.9	0.05	0.14	27.5	22.7	6	19.8
A00307020	53.5	0.39	2	0.9	0.52	0.12	26.7	20.1	<5	19.6
A00307021	24.7	0.41	3	0.8	<0.04	0.05	19.2	10.3	<5	19.6
A00307022	24.4	0.15	28	0.9	<0.04	0.04	20.4	10.6	<5	19.9
A00307023	59.9	0.58	2	1.0	0.05	0.15	24.5	18.7	<5	20.0
A00307024	41.6	0.80	4	0.7	0.07	0.25	27.9	19.7	<5	19.3
A00307025	41.2	1.19	13	0.8	0.07	0.25	25.1	21.5	<5	18.7
A00307026	11.4	0.73	5	1.0	0.33	0.22	26.1	8.1	<5	18.8
A00307027	54.8	0.90	4	0.9	0.53	0.20	29.0	18.7	<5	18.5
A00307028	60.5	0.43	2	0.8	0.05	0.09	28.7	15.7	<5	19.2
A00307029	64.4	0.34	2	0.9	0.05	0.09	27.8	14.7	<5	19.1
A00307030	42.1	0.31	2	0.8	0.06	0.10	29.3	14.4	<5	19.6
A00307031	56.2	0.73	63	0.8	2.06	0.12	25.4	15.2	6	21.0
A00307032	42.4	0.54	6	0.9	0.18	0.14	27.3	16.0	<5	19.9
A00307033	12.0	0.04	3	1.5	0.04	<0.02	11.2	3.8	<5	21.7
A00307034	38.6	0.62	3	0.8	0.08	0.13	24.7	15.9	<5	19.5
*Dup A00307034	35.8	0.62	2	0.8	0.08	0.15	24.7	15.7	<5	19.1
A00307035	44.2	0.41	2	0.9	0.06	0.07	27.9	16.5	<5	20.0
A00307036	31.1	0.12	3	0.9	<0.04	0.05	23.3	12.5	<5	21.2
A00307037	11.1	0.78	4	1.0	0.31	0.22	27.1	8.1	<5	19.1
A00307038	24.5	0.22	36	0.8	<0.04	0.05	22.4	11.7	<5	19.8
A00307039	28.6	0.09	2	0.9	<0.04	0.04	19.1	11.1	<5	20.7
A00307040	28.2	0.09	12	0.8	<0.04	0.05	21.4	10.5	<5	20.0
A00307041	29.3	0.19	4	0.8	0.07	0.04	20.2	11.2	<5	19.8
A00307042	55.5	0.71	4	0.8	0.65	0.11	31.3	19.2	<5	20.8

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Element Method Det.Lim. Units	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm
A00307043	63.1	0.70	4	0.9	0.78	0.11	29.9	19.8	5	20.4
A00307044	42.5	0.52	2	0.8	1.76	0.10	25.0	16.0	<5	20.0
A00307045	36.4	0.30	4	0.8	0.09	0.10	24.9	14.2	<5	19.5
A00307046	52.5	0.82	3	0.8	0.21	0.14	24.5	20.1	<5	19.1
A00307047	29.1	0.35	3	0.8	0.25	0.06	21.0	10.7	<5	19.1
A00307048	11.1	0.02	2	1.4	<0.04	0.02	9.49	3.3	<5	19.8
A00307049	25.1	0.23	3	0.7	0.30	0.05	20.3	8.7	<5	18.8
A00307050	25.0	0.11	1	0.8	<0.04	0.06	18.4	9.9	<5	20.1
A00307051	26.9	0.30	1	0.8	1.51	0.08	19.5	9.8	<5	19.7
A00307052	25.1	0.09	2	0.8	<0.04	0.05	20.9	11.2	<5	19.7
A00307053	24.4	0.28	2	0.8	0.32	0.07	21.1	10.5	<5	18.8
A00307054	25.1	0.33	1	0.7	0.33	0.07	20.9	10.5	<5	18.4
A00307055	55.0	1.49	2	0.7	0.09	0.18	23.2	18.1	<5	18.3
A00307056	61.7	0.88	<1	0.8	0.09	0.18	23.6	21.2	<5	21.3
A00307057	40.0	0.81	5	0.9	0.06	0.19	21.7	17.0	<5	17.9
A00307058	44.8	1.02	6	0.6	0.11	0.37	17.1	12.8	<5	12.4
A00307059	56.0	1.41	2	0.9	0.10	0.36	23.2	19.9	<5	17.8
A00307060	43.3	0.83	2	0.7	0.08	0.21	28.5	20.3	<5	19.9
A00307061	52.9	0.86	1	0.8	0.07	0.23	21.9	25.1	<5	20.2
A00307062	59.2	1.53	1	0.9	0.07	0.38	23.6	26.5	<5	19.4
A00307063	36.8	1.09	1	0.8	0.06	0.29	25.5	18.6	<5	19.6
A00307064	48.9	1.40	1	0.8	0.08	0.34	25.1	18.8	<5	19.1
A00307065	31.7	0.74	2	0.8	0.35	0.15	26.6	14.7	<5	19.0
A00307066	26.0	0.19	2	0.8	<0.04	0.12	21.4	11.1	<5	20.0
A00307067	25.5	0.14	2	0.8	<0.04	0.10	19.1	10.7	<5	19.4
A00307068	27.8	0.21	3	1.1	0.09	0.22	22.9	13.3	<5	19.8
A00307069	43.1	1.53	8	0.8	0.09	0.34	26.1	25.7	<5	18.0
A00307070	12.2	<0.02	2	1.5	<0.04	<0.02	10.8	3.8	<5	21.0
A00307071	78.7	1.45	44	0.8	0.16	0.25	28.9	25.1	5	19.6
A00307072	24.9	0.56	3	0.8	0.05	0.13	21.2	10.4	<5	18.7
A00307073	21.1	0.75	7	0.7	0.19	0.10	16.7	11.0	<5	17.1
A00307074	22.8	1.15	17	0.7	1.15	0.11	19.3	9.9	<5	17.9
*Rep A00307010	12.3	<0.02	3	1.5	0.05	<0.02	13.1	3.9	<5	21.6
*Rep A00307042	62.1	0.66	4	0.9	0.66	0.12	30.1	18.1	<5	20.1
*Std CH-4	109	2.24	8	0.7	0.46	1.09	31.3	23.6	<5	18.4
*Std CH-4	108	2.30	9	0.6	1.01	1.06	29.0	23.4	<5	18.3

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Element	Zr	Ag	As	Be	Bi	Cd	Ce	Co	Cs	Ga
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.10	<0.1	<5	<0.1
*BIK BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.05	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00307001	0.90	0.03	10.5	0.08	8.36	4.7	<0.5	63.2	0.55	5.8
A00307002	0.98	0.03	10.3	0.09	10.0	5.0	<0.5	55.8	0.18	6.4
A00307003	1.00	<0.02	10.1	0.09	7.76	5.1	<0.5	52.1	0.22	6.0
A00307004	1.06	<0.02	10.3	0.09	6.16	5.2	<0.5	57.1	0.38	6.0
A00307005	0.43	0.09	16.3	0.14	141	7.2	8.7	69.8	0.59	6.2
A00307006	0.93	0.02	10.4	0.09	4.75	4.8	<0.5	67.6	0.33	7.5
A00307007	1.15	0.02	16.2	0.21	27.0	6.9	<0.5	117	0.14	18.2
A00307008	0.92	0.02	13.6	0.16	75.8	5.8	<0.5	93.1	0.19	15.8
A00307009	0.92	0.03	10.6	0.09	25.2	3.7	<0.5	81.4	0.12	6.1
A00307010	0.67	0.02	6.5	0.07	1.93	3.8	5.2	25.3	0.46	2.1
A00307011	1.07	<0.02	12.8	0.17	40.4	5.7	0.6	76.3	3.40	15.2
A00307012	0.91	0.04	11.4	0.09	139	3.3	1.6	87.4	0.25	6.3
A00307013	1.02	<0.02	11.4	0.09	26.3	4.8	<0.5	84.5	0.14	7.0
A00307014	1.07	0.02	12.3	0.09	37.5	4.9	1.0	78.5	0.18	6.2
A00307015	0.92	0.03	9.6	0.10	33.3	4.1	5.9	71.4	0.15	7.6
A00307016	1.14	0.03	14.7	0.21	27.2	6.2	<0.5	72.1	0.15	15.9
A00307017	1.16	0.03	14.9	0.22	33.5	6.4	1.8	75.8	0.20	16.5
A00307018	0.93	0.03	13.3	0.21	23.8	6.3	<0.5	58.8	0.15	17.5
A00307019	0.95	0.03	13.4	0.20	58.0	6.5	<0.5	61.6	0.13	17.6
A00307020	0.92	0.03	12.7	0.20	22.8	6.1	<0.5	70.4	0.15	16.4
A00307021	0.88	<0.02	9.4	0.08	2.91	4.4	<0.5	52.1	0.09	5.9
A00307022	0.85	<0.02	9.8	0.09	6.12	4.8	0.6	60.7	0.10	6.9
A00307023	1.09	0.02	12.2	0.20	40.4	6.2	<0.5	98.0	0.08	17.9
A00307024	1.04	0.03	13.0	0.21	64.2	6.0	<0.5	56.2	0.09	16.0
A00307025	0.99	0.02	11.7	0.21	110	5.8	3.8	66.0	4.82	16.1
A00307026	0.39	0.08	13.9	0.13	153	6.8	8.3	68.0	0.67	6.1
A00307027	1.11	0.04	14.0	0.22	39.4	6.0	<0.5	70.8	0.19	15.6
A00307028	1.21	0.02	13.7	0.21	31.4	6.5	<0.5	65.6	0.14	15.6
A00307029	1.30	0.02	13.3	0.22	37.0	6.3	<0.5	70.2	0.12	16.3
A00307030	0.96	<0.02	13.7	0.21	21.9	6.3	<0.5	60.3	0.17	15.7
A00307031	1.15	0.05	12.2	0.19	43.0	6.0	<0.5	88.7	4.63	15.0
A00307032	1.04	0.03	13.0	0.20	21.1	6.4	<0.5	71.6	0.69	14.5
A00307033	0.62	<0.02	4.9	0.06	2.16	3.4	6.2	23.7	0.33	1.9
A00307034	0.91	0.03	12.1	0.18	16.9	6.4	<0.5	87.3	0.10	14.7
*Dup A00307034	0.88	0.03	11.9	0.18	14.6	6.4	<0.5	86.8	0.17	14.8
A00307035	0.93	0.02	13.4	0.20	24.9	6.6	<0.5	81.2	0.21	15.1
A00307036	1.03	0.02	11.7	0.09	5.57	5.3	<0.5	68.8	0.16	7.2
A00307037	0.36	0.08	14.7	0.13	161	7.0	10.1	69.4	0.65	6.3
A00307038	0.87	0.02	11.1	0.08	6.35	4.7	<0.5	69.6	0.45	6.1
A00307039	1.04	0.02	9.1	0.08	5.15	4.7	<0.5	65.1	0.16	6.7
A00307040	0.99	0.02	10.3	0.08	2.89	4.6	2.5	67.2	0.14	6.6
A00307041	0.99	<0.02	9.8	0.09	7.80	4.5	5.0	62.0	0.18	6.8
A00307042	1.12	0.03	15.0	0.22	56.9	6.3	1.6	89.9	0.26	15.4

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00307043	1.03	0.03	14.0	0.22	59.2	6.2	4.6	86.5	0.25	15.2
A00307044	0.79	0.03	11.4	0.18	23.1	5.6	2.4	87.1	0.37	16.0
A00307045	1.01	0.02	12.1	0.13	12.6	5.2	3.0	84.3	0.20	10.8
A00307046	0.84	0.03	10.9	0.18	54.2	5.8	3.2	90.8	0.32	17.2
A00307047	0.87	0.02	10.2	0.11	13.8	4.7	7.5	67.8	0.40	8.7
A00307048	0.56	<0.02	4.2	0.05	1.28	3.2	10.4	21.0	0.38	1.6
A00307049	0.86	0.03	10.0	0.07	4.58	4.4	3.0	71.1	0.49	5.1
A00307050	0.88	<0.02	8.8	0.08	13.0	4.7	1.4	52.5	1.09	5.3
A00307051	0.85	<0.02	9.4	0.07	5.74	4.6	21.7	60.3	0.17	5.3
A00307052	0.84	<0.02	10.3	0.08	6.05	4.6	2.3	70.0	0.10	6.8
A00307053	0.82	0.02	10.4	0.08	11.5	4.5	5.8	71.8	0.11	6.5
A00307054	0.83	0.02	10.1	0.08	10.1	4.4	6.6	69.8	0.15	6.7
A00307055	0.84	0.05	10.2	0.19	32.6	5.7	<0.5	107	0.11	15.1
A00307056	1.11	0.04	10.1	0.24	65.7	7.0	2.0	123	0.06	20.8
A00307057	1.04	0.03	9.2	0.21	75.5	6.2	3.2	65.0	0.10	17.5
A00307058	1.00	0.08	8.3	0.20	335	3.8	5.8	25.1	1.36	11.9
A00307059	0.90	0.05	10.4	0.20	46.6	5.9	2.5	107	0.10	17.0
A00307060	0.81	0.03	13.7	0.20	70.6	6.4	2.1	114	0.08	18.0
A00307061	0.89	0.03	9.7	0.20	123	6.7	3.2	132	0.09	18.5
A00307062	0.94	0.05	10.4	0.20	57.3	6.0	2.6	109	0.09	17.4
A00307063	0.79	0.04	11.0	0.20	83.5	6.1	<0.5	111	0.09	17.7
A00307064	0.67	0.04	11.1	0.20	119	6.0	3.9	109	0.16	17.3
A00307065	0.78	0.03	12.6	0.15	59.3	5.4	4.8	94.3	0.20	12.4
A00307066	0.90	<0.02	10.3	0.08	29.0	5.0	4.1	63.4	0.09	6.1
A00307067	0.88	<0.02	9.1	0.07	24.9	4.8	4.1	56.8	0.07	5.7
A00307068	0.98	0.03	11.4	0.09	12.3	5.1	12.2	72.0	0.14	8.7
A00307069	0.93	0.04	11.8	0.19	129	6.1	27.8	111	0.13	17.1
A00307070	0.60	0.02	4.8	0.06	2.28	3.6	7.6	21.1	0.53	2.0
A00307071	1.06	0.05	13.9	0.22	60.7	6.2	3.0	108	0.19	17.0
A00307072	0.84	0.03	10.4	0.08	9.87	4.6	3.6	73.4	0.08	5.5
A00307073	0.67	0.04	8.3	0.06	52.9	4.0	3.4	71.3	0.48	4.6
A00307074	0.75	0.03	9.5	0.08	25.7	4.3	5.9	72.9	0.76	5.6
*Rep A00307010	0.70	0.02	6.0	0.07	2.12	3.9	4.9	23.1	0.50	2.0
*Rep A00307042	1.04	0.03	14.1	0.21	58.0	6.2	2.3	87.5	0.35	14.8
*Std CH-4	3.04	0.13	16.7	0.17	2.22	3.7	10.8	78.4	0.85	12.9
*Std CH-4	2.81	0.12	14.6	0.15	2.88	3.6	13.2	76.0	0.72	12.3

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Element	Hf	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	0.02	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<0.02	<0.02	<0.1	<0.01	0.17	<0.1	0.5	0.3	<0.05	<0.1
*BIK BLANK	<0.02	<0.02	<0.1	<0.01	<0.05	<0.1	<0.5	<0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307001	<2	0.4	0.34	0.24	<0.05	3.5	0.43	2.17	0.7	6.1
A00307002	<2	0.3	0.44	0.26	<0.05	3.4	0.39	2.35	0.4	6.9
A00307003	<2	0.3	0.39	0.25	<0.05	3.4	0.40	2.24	0.4	6.4
A00307004	<2	<0.3	0.35	0.25	<0.05	3.5	0.41	2.23	0.5	6.5
A00307005	<2	2.6	0.36	0.32	0.12	4.8	0.47	0.92	0.5	10.4
A00307006	<2	0.4	0.33	0.26	<0.05	3.5	0.43	2.15	0.4	6.6
A00307007	3	0.9	0.47	0.54	<0.05	2.9	0.94	1.38	1.4	17.0
A00307008	3	0.8	0.40	0.45	<0.05	2.8	0.60	1.19	2.4	13.3
A00307009	<2	0.5	0.25	0.26	<0.05	3.3	0.62	1.92	1.6	6.6
A00307010	<2	0.6	0.19	0.16	<0.05	2.2	0.25	0.81	0.2	4.2
A00307011	2	1.0	0.41	0.43	<0.05	2.6	0.61	1.28	2.1	12.8
A00307012	<2	0.5	0.22	0.26	0.20	3.5	0.66	1.96	2.4	7.3
A00307013	<2	0.4	0.31	0.26	<0.05	3.4	0.66	2.23	1.2	6.9
A00307014	<2	0.4	0.33	0.27	<0.05	3.6	0.72	2.55	1.2	6.7
A00307015	<2	0.5	0.28	0.28	0.19	3.0	0.54	2.05	1.0	7.7
A00307016	3	0.6	0.43	0.50	<0.05	2.8	0.71	1.04	1.1	15.9
A00307017	3	0.7	0.44	0.51	<0.05	2.9	0.79	1.19	1.3	16.5
A00307018	<2	0.9	0.45	0.52	<0.05	2.8	0.57	0.87	0.8	16.6
A00307019	<2	1.1	0.47	0.49	<0.05	2.9	0.69	0.91	1.0	15.4
A00307020	<2	0.9	0.43	0.47	0.19	2.6	0.75	0.80	0.8	15.0
A00307021	<2	0.3	0.31	0.24	<0.05	3.2	0.38	2.03	0.4	5.9
A00307022	<2	0.3	0.32	0.26	<0.05	3.4	0.42	1.89	0.5	6.9
A00307023	2	0.9	0.42	0.45	<0.05	2.6	0.80	1.09	0.6	15.2
A00307024	4	0.6	0.40	0.49	<0.05	2.7	0.37	1.32	1.1	15.7
A00307025	4	0.7	0.38	0.50	<0.05	2.7	0.50	1.37	1.1	16.3
A00307026	<2	2.6	0.32	0.31	0.11	4.7	0.44	0.88	0.6	9.5
A00307027	3	0.8	0.40	0.52	0.19	2.7	0.53	1.23	1.3	16.7
A00307028	<2	1.1	0.46	0.49	<0.05	3.1	0.58	1.20	0.9	16.3
A00307029	<2	1.0	0.42	0.51	<0.05	2.8	0.57	1.38	0.7	15.8
A00307030	<2	0.9	0.42	0.51	<0.05	2.8	0.47	1.17	0.9	16.2
A00307031	<2	0.8	0.42	0.45	0.83	2.8	0.68	1.23	1.9	14.8
A00307032	<2	0.7	0.43	0.48	0.07	3.0	0.49	1.17	1.0	15.2
A00307033	<2	0.7	0.17	0.14	<0.05	1.6	0.22	0.71	0.1	3.3
A00307034	<2	0.7	0.44	0.43	<0.05	2.8	0.63	0.93	0.6	13.9
*Dup A00307034	<2	0.7	0.43	0.43	<0.05	2.8	0.60	0.92	0.6	14.0
A00307035	<2	0.7	0.45	0.49	<0.05	3.0	0.60	1.00	0.5	15.8
A00307036	<2	0.5	0.33	0.28	<0.05	3.6	0.33	2.52	1.0	7.1
A00307037	<2	2.6	0.32	0.31	0.13	5.0	0.44	0.89	0.5	9.9
A00307038	<2	0.4	0.30	0.27	0.05	3.5	0.38	2.42	0.7	7.0
A00307039	<2	0.5	0.31	0.25	<0.05	3.4	0.33	2.36	1.0	6.3
A00307040	<2	0.4	0.31	0.25	<0.05	3.7	0.35	2.60	0.7	6.3
A00307041	<2	0.4	0.30	0.26	<0.05	3.4	0.40	2.61	0.8	6.7
A00307042	<2	0.7	0.42	0.56	0.26	2.8	0.59	1.33	1.6	17.8

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307043	<2	0.7	0.40	0.53	0.31	2.7	0.54	1.29	1.7	16.6
A00307044	<2	0.7	0.35	0.46	0.86	2.5	0.57	1.22	1.6	14.6
A00307045	<2	0.5	0.34	0.37	<0.05	3.2	0.47	2.29	0.8	10.8
A00307046	<2	0.8	0.36	0.47	0.06	2.2	0.64	0.99	1.2	14.5
A00307047	<2	0.4	0.30	0.31	0.10	3.3	0.40	1.87	1.4	8.7
A00307048	<2	0.6	0.16	0.12	<0.05	1.3	0.21	0.53	0.1	3.1
A00307049	<2	0.4	0.28	0.22	0.12	3.6	0.35	2.34	1.0	5.8
A00307050	<2	0.4	0.32	0.23	<0.05	3.2	0.29	1.96	0.5	5.6
A00307051	<2	0.4	0.31	0.23	0.73	3.4	0.31	2.24	0.7	5.6
A00307052	<2	0.4	0.30	0.25	<0.05	3.5	0.32	2.30	0.5	6.5
A00307053	<2	0.4	0.28	0.25	0.17	3.4	0.35	2.37	0.9	6.5
A00307054	<2	0.3	0.29	0.25	0.13	3.3	0.35	2.32	0.9	6.6
A00307055	3	0.6	0.34	0.45	0.09	2.2	0.57	1.17	0.9	14.9
A00307056	2	0.6	0.42	0.59	0.05	2.6	0.70	1.46	0.7	18.8
A00307057	2	0.8	0.37	0.48	0.06	2.1	0.41	1.34	1.9	15.2
A00307058	<2	1.4	0.24	0.42	0.12	1.8	0.22	0.75	20.2	13.7
A00307059	3	0.6	0.36	0.48	0.08	2.3	0.55	1.17	1.0	15.4
A00307060	2	0.5	0.40	0.53	<0.05	2.4	0.65	1.03	0.9	17.1
A00307061	2	0.6	0.40	0.47	0.05	2.5	0.67	1.09	1.1	16.4
A00307062	4	0.7	0.38	0.55	0.06	2.3	0.61	1.04	1.4	17.4
A00307063	3	0.7	0.38	0.53	0.05	2.2	0.61	0.96	1.6	17.4
A00307064	3	0.7	0.36	0.52	<0.05	2.2	0.57	0.81	2.2	17.1
A00307065	<2	0.6	0.35	0.42	0.18	2.9	0.50	1.67	2.1	12.5
A00307066	<2	0.3	0.33	0.25	<0.05	3.6	0.35	2.16	1.0	6.4
A00307067	<2	0.3	0.32	0.24	<0.05	3.3	0.32	1.98	1.0	5.8
A00307068	<2	0.5	0.31	0.26	<0.05	3.0	0.38	1.91	1.2	7.5
A00307069	4	0.8	0.37	0.50	0.08	2.5	0.66	1.37	1.2	15.3
A00307070	<2	0.7	0.18	0.13	<0.05	1.8	0.21	0.70	0.2	3.3
A00307071	3	0.6	0.38	0.54	0.05	2.7	0.70	1.62	1.4	16.9
A00307072	<2	0.4	0.31	0.24	<0.05	3.7	0.42	2.19	0.6	5.8
A00307073	<2	0.4	0.25	0.20	0.13	3.0	0.40	1.89	0.9	5.2
A00307074	<2	0.4	0.28	0.23	0.59	3.3	0.45	2.10	0.9	6.1
*Rep A00307010	<2	0.7	0.20	0.16	<0.05	1.6	0.25	0.72	0.2	3.8
*Rep A00307042	<2	0.7	0.42	0.54	0.23	2.8	0.58	1.28	1.6	17.0
*Std CH-4	2	0.9	0.26	0.38	0.35	2.4	0.41	0.73	4.4	11.1
*Std CH-4	2	0.9	0.24	0.36	0.78	2.3	0.38	0.72	2.4	10.3

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Element	Se	Sn	Ta	Tb	Te	Th	Tl	U	W	Y
Method	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B	ICM40B
Det.Lim.	2	0.3	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*BIK BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307001	0.5
A00307002	0.6
A00307003	0.6
A00307004	0.6
A00307005	1.0
A00307006	0.6
A00307007	1.5
A00307008	1.1
A00307009	0.6
A00307010	0.5
A00307011	1.2
A00307012	0.6
A00307013	0.6
A00307014	0.6
A00307015	0.7
A00307016	1.5
A00307017	1.6
A00307018	1.5
A00307019	1.4
A00307020	1.4
A00307021	0.5
A00307022	0.6
A00307023	1.4
A00307024	1.5
A00307025	1.5
A00307026	0.9
A00307027	1.6
A00307028	1.5
A00307029	1.5
A00307030	1.5
A00307031	1.3
A00307032	1.4
A00307033	0.4
A00307034	1.3
*Dup A00307034	1.3
A00307035	1.4
A00307036	0.6
A00307037	0.9
A00307038	0.6
A00307039	0.6
A00307040	0.6
A00307041	0.6
A00307042	1.6

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307043	1.5
A00307044	1.3
A00307045	0.9
A00307046	1.3
A00307047	0.8
A00307048	0.4
A00307049	0.5
A00307050	0.5
A00307051	0.5
A00307052	0.6
A00307053	0.6
A00307054	0.6
A00307055	1.3
A00307056	1.7
A00307057	1.5
A00307058	1.3
A00307059	1.4
A00307060	1.5
A00307061	1.4
A00307062	1.5
A00307063	1.5
A00307064	1.4
A00307065	1.1
A00307066	0.6
A00307067	0.5
A00307068	0.7
A00307069	1.4
A00307070	0.4
A00307071	1.5
A00307072	0.5
A00307073	0.4
A00307074	0.5
*Rep A00307010	0.5
*Rep A00307042	1.5
*Std CH-4	1.1
*Std CH-4	1.0

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Final : TK120197 Order: PROJ: /SHIPMENT: RRLE007-2012

Element	Yb
Method	ICM40B
Det.Lim.	0.1
Units	ppm
*BIK BLANK	<0.1
*BIK BLANK	<0.1

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Certificate of Analysis

Work Order: TK120208

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 03, 2012

P.O. No. : PROJ: Lennac /SHIPMENT: RRLE008-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Sep 04, 2012
Report Comprises : Pages 1 to 14
(Inclusive of Cover Sheet)

Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307075	6.525	16	6.41	667	2.23	16	872	2.81	2.91	7
A00307076	7.145	28	6.74	721	2.65	14	1150	2.92	3.01	6
A00307077	6.960	15	7.70	722	2.28	15	899	3.13	2.94	6
A00307078	2.080	<5	4.36	763	0.81	11	8.9	1.38	2.35	6
A00307079	6.945	13	7.27	728	2.56	19	752	2.97	2.51	4
A00307080	6.850	12	7.38	729	2.49	18	639	3.04	2.58	6
A00307081	6.760	8	7.55	732	2.57	17	427	2.91	2.54	7
A00307082	6.915	18	7.79	724	2.50	18	738	3.07	2.58	5
A00307083	6.160	13	7.34	720	2.37	16	590	3.01	2.56	5
A00307084	7.090	31	7.38	822	2.04	18	1420	2.86	2.97	5
A00307085	6.720	53	6.90	997	1.83	13	2620	2.11	3.41	5
A00307086	7.190	54	6.81	899	1.66	15	2460	2.25	2.95	4
A00307087	6.635	63	6.83	782	1.59	13	3360	2.50	3.27	4
A00307088	6.850	55	7.17	914	1.75	12	2380	2.45	3.21	4
A00307089	7.060	49	7.16	862	1.80	14	2220	2.15	2.92	3
A00307090	2.750	27	7.39	965	1.75	13	1280	2.50	3.01	4
A00307091	0.105	434	5.98	493	2.11	38	4790	3.92	0.96	13
A00307092	1.945	47	5.91	726	1.46	13	2880	2.27	2.56	4
A00307093	1.730	48	7.92	720	1.60	14	3230	3.48	2.90	6
A00307094	2.110	68	6.28	447	1.51	14	4610	3.29	2.53	5
A00307095	1.790	<5	4.89	888	0.86	8	13.8	1.04	2.32	5
A00307096	1.950	61	7.32	532	1.74	15	3420	3.46	2.38	6
A00307097	2.100	106	5.48	588	1.33	16	4410	2.89	1.99	6
A00307098	2.390	88	8.13	710	1.60	16	4380	4.05	3.02	8
A00307099	2.115	100	7.38	903	1.47	16	4690	3.76	2.97	7
A00307100	2.160	68	7.79	2120	1.62	12	2230	4.38	2.87	8
A00307101	2.045	47	8.45	1460	3.09	14	1850	4.61	1.67	8
A00307102	6.025	35	6.92	412	3.82	13	2050	2.98	1.69	8
A00307103	0.105	330	7.36	1440	2.20	17	1680	4.13	2.42	9
A00307104	5.765	24	7.14	575	3.10	15	1940	2.64	2.69	7
A00307105	4.835	25	6.84	621	2.80	19	1550	2.74	2.92	5
A00307106	2.175	11	7.04	680	2.13	15	738	2.69	2.97	6
A00307107	4.570	63	8.58	297	2.03	24	4530	6.14	2.51	8
A00307108	2.340	55	7.78	357	1.36	11	3340	4.32	3.24	6
*Dup A00307108	N.A.	53	6.89	346	1.26	9	3550	4.29	3.25	6
A00307109	1.785	1040	7.58	384	2.26	19	2510	3.89	2.58	6
A00307110	2.270	46	6.45	519	1.22	10	3020	3.24	3.31	4
A00307111	2.350	168	4.67	901	0.74	8	15.4	1.06	2.12	4
A00307112	2.055	37	5.05	279	1.36	6	2430	2.47	2.78	4
A00307113	2.010	45	6.97	592	1.12	7	855	2.42	3.94	4
A00307114	2.165	22	6.04	581	1.22	5	1440	2.35	2.77	5
A00307115	2.065	37	5.53	706	1.45	6	1810	2.30	2.65	5
A00307116	2.610	24	5.87	729	1.76	10	1790	2.58	2.33	5

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm
A00307117	1.725	38	5.80	735	1.70	10	2390	2.51	2.28	4
A00307118	0.105	329	6.49	1510	2.18	17	1720	3.65	2.38	9
A00307119	5.845	40	5.37	673	1.33	10	2960	2.46	2.76	5
A00307120	6.140	32	5.23	649	1.60	12	2430	2.37	2.72	5
A00307121	6.295	30	6.28	648	1.65	11	2470	2.46	3.22	4
A00307122	6.825	24	6.39	610	1.79	11	1930	2.65	2.89	4
A00307123	6.775	20	6.64	605	2.02	10	1710	2.50	2.88	4
A00307124	6.140	19	6.16	664	1.96	9	1680	2.69	2.70	5
A00307125	5.910	17	6.41	663	2.39	11	1310	2.64	2.47	6
A00307126	7.185	17	8.52	279	3.04	6	1360	4.55	2.00	7
A00307127	6.295	18	8.54	299	3.01	6	1370	4.59	2.04	7
A00307128	6.730	35	8.07	420	2.41	7	2660	3.82	2.35	7
A00307129	2.930	10	7.62	565	3.17	10	411	2.78	1.77	5
A00307130	3.170	34	8.24	202	5.04	5	2160	3.90	1.80	6
A00307131	2.345	15	9.49	121	4.84	5	789	4.58	1.08	6
A00307132	3.315	<5	4.93	952	0.82	6	5.2	1.26	2.27	5
A00307133	2.420	26	9.13	179	3.92	4	1820	4.54	1.48	6
A00307134	2.115	48	8.66	189	3.10	5	3490	4.36	1.79	7
A00307135	2.315	29	7.89	399	3.35	4	2010	3.88	2.63	8
A00307136	1.995	30	8.03	278	5.00	4	2360	3.64	1.88	6
A00307137	1.885	47	8.24	192	5.19	3	3630	3.68	1.39	7
A00307138	0.105	504	5.89	484	2.19	35	5000	3.64	0.96	13
A00307139	2.330	24	8.49	350	3.34	4	1750	4.59	1.98	8
A00307140	1.740	31	8.53	353	3.42	3	2230	4.39	1.70	6
A00307141	2.015	26	8.60	322	4.01	6	1580	4.32	1.92	7
A00307142	1.860	21	7.11	625	2.70	7	1630	2.70	2.52	7
*Dup A00307142	N.A.	25	7.38	582	2.68	8	1710	3.00	2.62	7
A00307143	2.410	30	5.78	770	1.77	9	2380	2.06	2.99	5
A00307144	2.265	24	6.45	881	1.85	11	1510	2.52	2.84	4
A00307145	2.085	23	6.06	863	1.88	9	1380	2.09	2.68	4
A00307146	2.130	34	7.44	393	2.63	8	2250	3.82	2.37	5
A00307147	2.280	31	8.77	266	3.03	5	1750	4.50	2.06	6
A00307148	2.225	30	8.64	230	4.07	5	2310	3.90	1.73	8
*Rep A00307077			6.81	675	2.23	16	923	3.04	2.90	5
*Rep A00307140			8.65	365	3.58	3	2240	4.50	1.75	7
*Std CH-4			7.09	417	1.76	81	1880	5.17	1.85	13
*Std CH-4			7.00	427	1.81	86	1870	4.69	1.85	13
*Blk BLANK			0.01	<1	<0.01	2	1.2	<0.01	<0.01	<1
*Blk BLANK			0.03	<1	<0.01	1	2.1	<0.01	<0.01	<1
*Rep A00307088		54								
*Rep A00307121		32								
*Std SH65		1370								
*Std OXF100		778								

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Element	Au
Method	FAA313
Det.Lim.	5
Units	ppb
*Std GS-2L	2460
*Std SH65	1360
*Bik BLANK	<5

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307075	0.69	288	2.71	7.4	840	0.12	461	0.22	80	53
A00307076	1.25	267	2.80	5.7	830	0.16	528	0.23	78	42
A00307077	0.77	354	2.92	6.8	880	0.15	559	0.23	83	50
A00307078	0.25	318	4.21	4.0	320	<0.01	438	0.13	36	43
A00307079	0.71	322	2.91	6.8	820	0.10	579	0.22	77	49
A00307080	0.78	317	3.03	6.7	880	0.11	740	0.23	80	44
A00307081	0.73	316	2.93	6.4	890	0.07	540	0.23	77	41
A00307082	0.83	300	3.01	6.4	880	0.09	571	0.24	78	53
A00307083	0.82	273	2.94	6.4	830	0.07	541	0.23	75	48
A00307084	0.81	265	2.66	6.0	830	0.20	507	0.22	75	46
A00307085	0.62	214	2.23	4.9	690	0.32	396	0.19	61	41
A00307086	0.70	224	2.81	4.6	720	0.31	487	0.21	62	54
A00307087	0.60	205	2.49	5.5	560	0.47	963	0.19	61	65
A00307088	0.63	228	2.73	4.8	680	0.40	1430	0.20	61	80
A00307089	0.66	219	2.77	4.3	640	0.33	675	0.20	58	75
A00307090	0.75	256	2.88	4.2	740	0.23	502	0.21	63	52
A00307091	0.95	767	2.07	24.9	460	0.65	267	0.26	102	65
A00307092	0.84	185	2.77	5.2	670	0.53	434	0.20	71	46
A00307093	1.51	288	3.28	3.5	690	0.44	443	0.33	123	61
A00307094	1.17	241	2.52	5.1	400	0.73	280	0.30	119	61
A00307095	0.21	277	4.03	2.7	270	<0.01	488	0.12	31	34
A00307096	1.44	250	2.90	4.3	560	0.66	315	0.38	142	70
A00307097	1.10	297	2.30	5.0	370	0.63	263	0.29	117	56
A00307098	2.06	335	3.20	4.6	610	0.54	389	0.46	179	100
A00307099	1.65	312	2.92	4.7	480	0.60	372	0.42	152	99
A00307100	1.97	380	3.23	4.5	550	0.27	389	0.42	167	78
A00307101	1.44	389	2.73	3.2	620	0.26	356	0.44	163	67
A00307102	1.26	351	1.10	3.9	610	0.47	367	0.26	101	43
A00307103	0.61	669	2.67	12.4	680	0.26	676	0.18	73	89
A00307104	0.96	308	1.42	5.1	710	0.41	388	0.20	72	41
A00307105	0.83	287	1.63	5.5	770	0.25	400	0.19	68	38
A00307106	0.90	260	1.77	4.5	780	0.12	393	0.19	71	40
A00307107	1.91	484	3.56	5.9	690	0.52	340	0.63	235	93
A00307108	1.53	324	3.70	4.1	670	0.35	294	0.40	151	77
*Dup A00307108	1.53	319	3.76	4.4	690	0.38	258	0.41	140	81
A00307109	1.39	363	2.76	8.1	740	0.37	369	0.39	144	66
A00307110	1.29	263	3.26	6.9	900	0.38	270	0.29	101	57
A00307111	0.21	304	4.08	3.5	300	<0.01	395	0.13	31	50
A00307112	0.83	211	3.24	2.9	810	0.29	173	0.22	69	40
A00307113	1.24	245	2.83	2.6	590	0.12	278	0.23	71	41
A00307114	1.27	219	2.69	2.7	580	0.20	276	0.26	76	39
A00307115	1.34	213	2.37	3.3	550	0.27	302	0.27	86	39
A00307116	1.02	195	2.73	5.6	780	0.51	451	0.25	83	39

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Element Method Det.Lim. Units	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm
A00307117	0.93	163	2.70	5.0	750	0.86	453	0.23	74	37
A00307118	0.64	635	2.82	11.8	680	0.28	658	0.20	74	83
A00307119	0.97	175	2.40	5.3	760	0.81	403	0.23	72	36
A00307120	0.99	167	2.57	4.3	760	0.90	431	0.23	75	36
A00307121	0.96	179	2.61	5.5	780	0.61	472	0.23	79	37
A00307122	0.91	191	2.73	5.3	770	0.50	475	0.24	77	38
A00307123	0.85	177	2.82	4.5	760	0.43	467	0.24	78	40
A00307124	0.77	192	2.68	4.0	790	0.46	417	0.25	87	36
A00307125	0.79	261	2.54	5.5	850	0.18	441	0.25	90	38
A00307126	1.54	477	3.38	1.6	750	0.16	344	0.46	173	66
A00307127	1.53	491	3.34	2.6	800	0.16	351	0.46	166	64
A00307128	1.58	339	3.10	3.7	550	0.32	324	0.43	145	67
A00307129	0.87	372	3.17	5.3	870	0.10	511	0.31	105	39
A00307130	1.23	567	3.22	2.3	830	0.31	287	0.41	168	59
A00307131	1.76	742	3.51	1.6	780	0.10	357	0.42	155	55
A00307132	0.26	292	4.26	3.9	310	<0.01	488	0.13	35	42
A00307133	1.61	516	3.45	1.7	840	0.23	346	0.46	174	63
A00307134	1.40	369	3.10	2.3	800	0.42	341	0.43	158	63
A00307135	1.56	401	2.41	1.5	700	0.23	275	0.43	157	61
A00307136	1.23	543	2.56	2.8	690	0.50	301	0.39	142	50
A00307137	1.33	498	1.92	1.9	740	1.03	335	0.40	150	77
A00307138	1.01	631	2.23	23.8	450	0.65	274	0.29	99	52
A00307139	1.80	462	2.67	2.1	860	0.33	350	0.44	173	68
A00307140	1.44	402	3.03	1.3	890	0.43	363	0.44	177	64
A00307141	1.46	429	2.71	3.2	760	0.24	318	0.42	160	65
A00307142	1.09	269	2.44	3.3	1200	0.28	317	0.32	118	53
*Dup A00307142	1.11	302	2.36	4.8	1100	0.30	319	0.33	119	57
A00307143	0.73	194	1.87	3.3	650	0.34	333	0.21	72	37
A00307144	0.74	226	2.44	5.1	710	0.21	433	0.22	76	39
A00307145	0.71	195	2.42	3.7	740	0.21	407	0.22	74	38
A00307146	1.20	345	2.88	4.6	830	0.34	309	0.36	144	59
A00307147	1.46	395	3.53	3.0	1060	0.26	298	0.47	169	77
A00307148	1.21	518	3.63	2.9	1030	0.24	282	0.46	162	68
*Rep A00307077	0.77	287	2.98	7.0	850	0.15	520	0.23	79	47
*Rep A00307140	1.47	407	3.07	1.4	860	0.45	370	0.45	168	64
*Std CH-4	1.21	459	3.17	44.0	570	0.65	201	0.26	90	222
*Std CH-4	1.25	421	3.28	44.0	550	0.65	197	0.27	89	190
*BIK BLANK	<0.01	2	<0.01	<0.5	<50	<0.01	<0.5	<0.01	<2	2
*BIK BLANK	<0.01	2	<0.01	<0.5	<50	<0.01	0.6	<0.01	<2	<1

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Element Method Det.Lim. Units	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
	0.5 ppm	0.02 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm	0.05 ppm	0.1 ppm	5 ppm	0.1 ppm
A00307075	25.5	0.46	9	1.1	0.33	0.06	19.8	10.5	<5	19.2
A00307076	23.7	0.55	2	0.9	0.05	0.08	22.2	10.5	<5	19.3
A00307077	26.0	0.42	3	1.0	0.11	0.07	24.4	10.1	<5	19.7
A00307078	12.7	<0.02	2	1.9	<0.04	<0.02	11.6	3.7	<5	21.2
A00307079	22.4	0.34	5	0.9	0.10	0.09	22.3	10.0	<5	19.2
A00307080	23.8	0.24	1	0.9	0.05	0.07	22.3	10.9	<5	19.7
A00307081	23.8	0.16	30	1.0	0.11	0.05	23.7	9.8	7	19.5
A00307082	22.6	0.25	5	0.9	<0.04	0.11	21.6	10.0	<5	18.9
A00307083	22.8	0.21	5	0.9	0.05	0.08	21.6	10.2	<5	19.1
A00307084	23.9	0.58	2	0.9	0.15	0.10	20.9	10.8	<5	18.9
A00307085	22.0	0.86	13	0.8	0.16	0.15	18.3	8.0	<5	17.5
A00307086	24.5	0.78	4	0.9	0.08	0.20	19.0	9.4	<5	18.2
A00307087	22.1	1.13	6	0.8	0.13	0.25	22.5	10.0	<5	16.8
A00307088	24.6	0.86	4	0.8	0.13	0.43	28.2	8.4	<5	17.6
A00307089	23.9	1.01	4	0.8	1.70	0.23	25.6	8.7	<5	17.2
A00307090	25.3	0.52	3	0.9	0.09	0.20	19.3	7.7	<5	19.0
A00307091	39.2	1.03	5	0.7	0.15	0.28	22.0	13.3	<5	12.6
A00307092	24.9	1.08	1	0.8	0.11	0.20	18.1	11.7	<5	17.5
A00307093	34.4	1.03	2	0.9	0.52	0.18	25.9	12.8	<5	19.2
A00307094	33.8	1.54	1	0.8	0.31	0.26	21.5	17.3	<5	15.0
A00307095	11.0	<0.02	2	1.7	<0.04	<0.02	9.86	3.1	<5	20.6
A00307096	34.1	1.32	2	0.9	0.57	0.22	26.0	14.9	<5	18.1
A00307097	21.7	1.49	1	0.6	0.21	0.24	17.4	15.1	<5	12.9
A00307098	21.8	1.45	1	0.9	0.09	0.31	21.2	19.2	<5	19.7
A00307099	23.2	1.51	4	0.8	1.48	0.33	22.1	17.5	<5	17.4
A00307100	22.3	0.79	2	0.8	0.21	0.09	22.7	16.4	<5	18.1
A00307101	54.6	0.64	2	0.8	0.12	0.14	31.4	14.2	<5	19.8
A00307102	28.9	0.93	4	0.8	0.12	0.11	26.0	13.0	<5	17.4
A00307103	12.5	0.65	3	1.2	0.29	0.21	31.6	8.3	<5	18.5
A00307104	21.7	0.71	4	0.8	0.17	0.11	20.7	11.2	<5	17.8
A00307105	18.8	0.61	2	0.8	0.17	0.06	20.3	9.8	<5	17.9
A00307106	19.7	0.35	2	0.8	0.11	0.05	18.5	8.5	<5	18.6
A00307107	16.5	1.23	8	1.0	0.10	0.30	26.3	22.7	<5	18.5
A00307108	19.5	0.95	25	0.8	0.08	0.17	17.5	17.6	<5	16.9
*Dup A00307108	20.2	1.10	4	0.9	0.08	0.18	14.7	18.0	<5	16.8
A00307109	26.3	0.90	6	0.9	0.79	0.11	27.1	15.5	<5	16.4
A00307110	19.1	0.98	1	0.9	0.09	0.12	28.8	14.5	<5	17.2
A00307111	11.1	0.09	5	1.6	<0.04	0.04	10.9	3.5	<5	20.2
A00307112	24.5	0.70	5	0.7	0.07	0.08	20.4	11.0	<5	14.3
A00307113	28.6	0.30	2	0.9	0.05	0.04	29.7	9.2	<5	16.6
A00307114	34.3	0.46	<1	1.3	0.06	0.08	26.0	10.4	<5	16.1
A00307115	24.7	0.61	<1	0.9	0.09	0.07	20.1	11.5	<5	16.9
A00307116	32.3	0.58	<1	0.9	0.13	0.09	16.2	10.5	<5	19.1

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Element Method	Zr ICM40B	Ag ICM40B	As ICM40B	Be ICM40B	Bi ICM40B	Cd ICM40B	Ce ICM40B	Co ICM40B	Cs ICM40B	Ga ICM40B
Det.Lim.	0.5	0.02	1	0.1	0.04	0.02	0.05	0.1	5	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00307117	29.6	0.88	1	1.0	0.21	0.11	14.7	11.7	<5	18.1
A00307118	12.7	0.66	3	1.2	0.28	0.21	29.1	8.3	<5	19.0
A00307119	29.3	1.09	1	0.9	0.27	0.12	16.3	12.7	<5	17.4
A00307120	27.6	1.11	1	1.0	0.22	0.12	16.3	11.0	<5	17.5
A00307121	29.0	0.76	1	0.9	0.15	0.10	18.8	11.2	<5	17.4
A00307122	29.1	0.75	1	0.9	0.14	0.11	17.4	12.8	<5	18.2
A00307123	28.0	0.55	<1	1.0	0.07	0.10	17.3	10.4	<5	18.3
A00307124	26.8	0.59	42	1.0	0.13	0.06	19.0	9.8	<5	19.5
A00307125	21.2	0.48	20	0.8	0.06	0.06	20.3	10.8	<5	19.4
A00307126	21.3	0.40	1	0.9	0.04	0.08	23.3	15.7	<5	21.9
A00307127	20.1	0.41	2	0.8	0.04	0.09	23.9	16.2	<5	21.6
A00307128	26.6	0.73	2	0.9	0.07	0.14	25.3	16.2	<5	22.2
A00307129	23.4	0.15	2	0.9	0.25	0.05	20.4	11.3	<5	21.4
A00307130	20.7	0.60	6	0.7	0.31	0.12	28.0	14.0	<5	19.2
A00307131	18.9	0.26	2	0.8	<0.04	0.09	22.6	13.2	<5	22.6
A00307132	11.9	<0.02	2	1.8	<0.04	<0.02	10.2	3.8	<5	20.9
A00307133	14.7	0.51	2	0.8	0.04	0.11	24.4	15.3	<5	23.6
A00307134	14.7	0.88	2	0.8	0.06	0.09	22.9	16.5	6	21.6
A00307135	16.8	0.53	2	0.7	0.04	0.07	22.9	14.2	<5	21.4
A00307136	33.0	0.78	4	0.7	0.36	0.11	26.2	14.1	<5	19.2
A00307137	35.0	1.38	5	0.8	0.67	0.33	24.1	23.0	6	19.6
A00307138	35.8	1.17	6	0.7	0.11	0.32	19.0	13.6	<5	12.9
A00307139	24.9	0.61	2	1.0	<0.04	0.16	23.3	15.0	<5	20.4
A00307140	17.1	0.66	2	1.0	0.05	0.17	23.0	15.5	<5	20.6
A00307141	18.9	0.47	2	0.9	<0.04	0.08	23.6	13.9	<5	21.3
A00307142	25.8	0.52	25	0.8	0.05	0.09	20.9	11.6	<5	17.7
*Dup A00307142	24.8	0.51	23	0.9	0.08	0.10	20.9	12.7	<5	17.9
A00307143	19.7	0.73	6	0.7	0.17	0.11	22.4	9.0	<5	15.9
A00307144	22.8	0.48	2	0.8	0.04	0.09	20.2	9.9	<5	17.3
A00307145	22.1	0.45	1	0.8	0.05	0.08	18.2	9.2	<5	17.1
A00307146	18.3	0.70	2	0.9	0.06	0.10	22.3	15.9	<5	19.0
A00307147	15.6	0.52	93	1.0	0.11	0.14	25.6	17.8	<5	22.8
A00307148	13.1	0.60	252	0.9	0.05	0.16	27.3	16.7	7	20.7
*Rep A00307077	24.6	0.62	3	1.0	0.10	0.08	18.9	10.2	<5	19.6
*Rep A00307140	17.0	0.68	2	0.9	0.06	0.16	23.1	16.2	<5	21.0
*Std CH-4	110	2.06	8	0.9	0.56	1.16	28.1	23.9	<5	18.7
*Std CH-4	107	2.53	8	0.7	0.57	1.07	29.9	24.9	<5	19.0
*BIK BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.07	<0.1	<5	<0.1
*BIK BLANK	<0.5	<0.02	<1	<0.1	<0.04	<0.02	0.06	<0.1	<5	<0.1

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Element Method Det.Lim. Units	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm
A00307075	0.92	<0.02	9.2	0.08	5.14	4.8	13.5	73.3	0.36	5.7
A00307076	0.89	0.02	11.0	0.09	3.91	4.8	6.1	77.9	0.13	6.0
A00307077	0.92	0.02	12.1	0.09	4.45	4.8	7.4	77.6	0.14	6.5
A00307078	0.69	0.02	5.6	0.06	1.25	3.4	10.1	26.4	0.48	1.5
A00307079	0.79	0.02	10.9	0.09	2.81	4.7	7.7	63.8	0.24	6.2
A00307080	0.87	<0.02	11.0	0.09	3.47	5.0	6.3	60.9	0.07	6.2
A00307081	0.86	<0.02	11.5	0.09	5.51	4.9	5.4	63.5	0.15	6.3
A00307082	0.80	<0.02	10.2	0.08	12.3	4.8	5.4	60.1	0.07	5.9
A00307083	0.83	<0.02	10.3	0.08	27.8	4.8	5.3	63.0	0.07	6.0
A00307084	0.84	0.02	9.8	0.08	35.4	4.7	5.7	75.3	0.21	6.1
A00307085	0.75	0.03	8.3	0.08	52.2	4.0	6.0	77.6	2.32	4.9
A00307086	0.84	0.04	8.9	0.08	40.0	4.5	6.3	71.0	0.16	4.8
A00307087	0.73	0.04	10.9	0.07	36.5	3.8	8.6	76.1	0.22	4.4
A00307088	0.81	0.05	13.0	0.08	80.8	4.1	5.7	73.9	0.19	4.6
A00307089	0.80	0.22	12.1	0.08	75.9	4.1	9.3	76.1	0.11	4.5
A00307090	0.84	0.04	8.9	0.07	54.4	4.5	6.1	66.8	0.08	5.0
A00307091	1.05	0.08	10.5	0.21	322	4.0	13.0	33.0	1.25	13.4
A00307092	0.82	0.03	7.9	0.08	101	3.8	5.2	56.8	0.13	4.9
A00307093	0.92	0.03	11.6	0.15	56.9	5.1	5.0	98.5	0.13	12.8
A00307094	0.82	0.06	9.4	0.14	141	4.1	7.7	86.2	0.17	12.7
A00307095	0.58	<0.02	4.6	0.05	1.23	3.2	8.8	23.4	0.46	1.5
A00307096	0.82	0.04	11.9	0.16	123	4.9	6.8	94.9	0.19	16.2
A00307097	0.51	0.05	8.0	0.11	61.3	3.7	3.5	70.1	0.11	12.8
A00307098	0.53	0.04	9.6	0.16	38.4	5.1	13.2	127	0.06	21.9
A00307099	0.56	0.16	10.0	0.16	66.9	4.8	8.1	113	0.08	18.8
A00307100	0.53	0.02	10.5	0.17	36.3	4.8	4.3	112	0.13	19.7
A00307101	0.96	0.04	14.2	0.21	74.8	5.2	4.7	78.3	0.10	19.3
A00307102	0.88	0.03	12.1	0.13	54.6	4.1	5.9	57.1	0.42	9.5
A00307103	0.41	0.08	16.3	0.14	133	6.8	16.2	71.1	0.51	6.4
A00307104	0.74	0.03	10.1	0.08	13.6	4.0	6.7	71.0	0.43	5.8
A00307105	0.67	0.03	9.7	0.07	2.32	4.1	5.2	67.3	0.34	5.2
A00307106	0.73	0.02	8.6	0.08	2.52	4.0	5.5	68.7	0.33	5.5
A00307107	0.42	0.05	12.2	0.22	44.7	4.7	3.3	95.3	0.09	28.8
A00307108	0.53	0.03	7.8	0.19	41.3	4.9	4.7	91.3	0.15	16.7
*Dup A00307108	0.52	0.03	6.4	0.17	41.9	5.1	4.6	84.0	0.81	15.9
A00307109	0.69	0.03	12.3	0.21	42.2	4.5	8.1	95.7	2.17	16.0
A00307110	0.51	0.04	13.2	0.22	66.5	6.3	4.5	95.5	0.27	13.1
A00307111	0.58	<0.02	5.4	0.06	1.17	3.3	8.7	21.0	0.98	1.6
A00307112	0.66	0.03	9.6	0.16	35.6	6.3	3.6	53.5	0.72	8.3
A00307113	0.76	<0.02	14.2	0.16	73.2	6.3	5.2	107	0.41	9.3
A00307114	0.92	<0.02	12.3	0.16	76.5	6.1	4.5	96.1	0.19	8.9
A00307115	0.70	0.02	10.1	0.13	146	5.1	4.0	82.3	0.31	9.2
A00307116	1.05	0.02	8.0	0.09	23.3	4.9	4.6	64.6	0.17	6.2

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Element Method Det.Lim. Units	Hf ICM40B	In ICM40B	La ICM40B	Lu ICM40B	Mo ICM40B	Nb ICM40B	Pb ICM40B	Rb ICM40B	Sb ICM40B	Sc ICM40B
	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm	0.05 ppm	0.1 ppm	0.5 ppm	0.2 ppm	0.05 ppm	0.1 ppm
A00307117	0.98	0.03	7.4	0.08	21.6	4.4	4.7	60.3	0.32	5.6
A00307118	0.41	0.08	15.0	0.14	172	7.0	16.1	68.6	0.55	6.1
A00307119	0.99	0.04	8.1	0.07	32.4	4.4	4.8	67.6	0.20	5.6
A00307120	0.96	0.03	8.2	0.08	48.5	4.2	5.4	71.6	0.25	5.4
A00307121	0.95	0.03	9.4	0.08	48.8	4.6	4.6	83.1	0.17	5.8
A00307122	0.96	0.03	8.8	0.08	62.5	4.7	4.5	80.1	0.21	6.0
A00307123	0.94	<0.02	8.6	0.08	29.8	4.6	4.5	76.0	0.13	6.1
A00307124	0.92	0.02	9.3	0.08	42.8	4.6	4.8	75.9	0.24	6.5
A00307125	0.76	0.02	9.9	0.10	7.61	4.5	4.5	69.2	0.46	7.2
A00307126	0.58	0.02	11.2	0.20	44.6	4.0	3.4	81.7	0.08	16.9
A00307127	0.58	0.02	11.5	0.20	43.5	4.1	3.3	84.5	0.09	17.0
A00307128	0.77	0.04	11.0	0.19	55.0	5.2	3.6	88.5	0.08	17.2
A00307129	0.86	0.02	9.8	0.12	15.0	4.6	4.6	50.1	0.21	9.1
A00307130	0.50	0.04	12.9	0.25	50.4	3.7	3.8	65.7	0.18	14.5
A00307131	0.55	0.03	11.0	0.22	38.5	3.1	3.1	40.5	0.08	15.4
A00307132	0.62	<0.02	4.8	0.06	1.86	3.4	9.4	20.7	0.53	1.8
A00307133	0.49	0.03	11.5	0.29	48.9	3.4	3.1	58.1	0.07	16.8
A00307134	0.42	0.04	10.7	0.22	43.8	3.3	3.1	76.6	0.12	14.8
A00307135	0.42	0.03	11.0	0.20	64.2	3.3	3.2	103	0.12	15.0
A00307136	0.50	0.03	12.3	0.22	56.9	3.0	3.7	75.1	0.19	13.6
A00307137	0.64	0.05	11.4	0.19	57.7	2.8	4.1	59.8	0.28	14.1
A00307138	1.10	0.08	9.2	0.20	343	4.0	7.4	25.8	1.33	13.2
A00307139	0.53	0.03	11.0	0.19	39.0	3.3	2.7	91.9	0.08	17.1
A00307140	0.47	0.04	10.8	0.19	23.0	3.1	3.2	70.3	0.07	16.3
A00307141	0.46	0.03	11.2	0.17	55.0	3.8	3.0	82.9	0.08	15.5
A00307142	0.69	0.02	9.7	0.17	47.5	4.0	4.1	85.8	0.50	11.1
*Dup A00307142	0.68	0.03	9.6	0.16	45.1	4.1	4.2	90.6	0.47	11.6
A00307143	0.66	0.03	11.7	0.09	24.9	3.6	4.4	75.7	0.28	6.4
A00307144	0.78	<0.02	9.9	0.09	50.1	4.3	4.2	72.3	0.10	6.6
A00307145	0.74	<0.02	9.0	0.08	39.1	4.1	4.0	67.9	0.12	6.4
A00307146	0.47	0.03	10.3	0.17	130	4.9	3.5	85.3	0.14	14.5
A00307147	0.39	0.03	11.3	0.21	28.8	5.8	4.4	82.0	0.09	18.8
A00307148	0.33	0.04	11.9	0.23	24.6	5.8	4.9	68.4	0.26	18.7
*Rep A00307077	0.90	0.02	9.0	0.08	4.52	4.8	10.4	67.6	0.13	5.9
*Rep A00307140	0.48	0.04	11.1	0.20	22.7	3.2	3.2	72.2	0.09	16.3
*Std CH-4	3.27	0.12	13.7	0.17	2.74	3.7	15.8	82.1	0.77	13.4
*Std CH-4	2.92	0.11	14.4	0.16	2.80	3.6	15.7	75.3	0.65	13.4
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	0.23	<0.1	1.1	<0.2	<0.05	<0.1
*Blk BLANK	<0.02	<0.02	<0.1	<0.01	0.21	<0.1	<0.5	0.2	<0.05	<0.1

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307075	<2	0.5	0.32	0.22	<0.05	3.2	0.40	1.79	0.5	5.8
A00307076	<2	0.4	0.33	0.24	0.06	3.8	0.43	2.25	0.5	6.1
A00307077	<2	0.4	0.34	0.26	<0.05	4.2	0.66	2.29	0.5	6.5
A00307078	<2	0.8	0.17	0.12	<0.05	1.6	0.25	0.72	0.1	3.0
A00307079	<2	0.4	0.32	0.25	<0.05	4.0	0.37	1.92	0.5	6.3
A00307080	<2	0.5	0.33	0.25	<0.05	3.7	0.34	2.04	0.5	6.1
A00307081	<2	0.4	0.33	0.26	<0.05	3.9	0.37	1.98	0.4	6.2
A00307082	<2	0.4	0.31	0.25	<0.05	3.5	0.31	1.99	0.4	5.9
A00307083	<2	0.4	0.31	0.24	<0.05	3.7	0.34	2.02	0.4	5.9
A00307084	<2	0.5	0.30	0.24	0.05	3.5	0.37	1.98	0.6	5.7
A00307085	<2	0.4	0.25	0.23	0.06	3.3	0.40	1.77	1.0	5.4
A00307086	<2	0.5	0.29	0.23	<0.05	3.4	0.37	1.99	0.9	5.4
A00307087	2	0.4	0.26	0.23	0.05	4.0	0.43	1.77	1.1	5.7
A00307088	<2	0.4	0.26	0.25	<0.05	3.8	0.39	2.05	1.0	5.8
A00307089	<2	0.6	0.26	0.25	<0.05	4.8	0.45	2.01	1.4	6.9
A00307090	<2	0.4	0.28	0.23	<0.05	3.3	0.38	1.75	0.8	5.6
A00307091	<2	1.4	0.24	0.44	0.05	2.5	0.26	0.90	21.0	14.1
A00307092	<2	0.5	0.25	0.23	<0.05	2.9	0.37	1.43	1.2	5.5
A00307093	2	0.6	0.32	0.38	0.06	2.9	0.54	1.31	1.0	10.9
A00307094	3	0.6	0.26	0.36	0.10	2.2	0.44	1.13	1.4	11.0
A00307095	<2	0.7	0.15	0.11	<0.05	1.4	0.22	0.62	0.1	2.8
A00307096	2	0.7	0.31	0.39	0.14	2.6	0.51	1.15	1.5	12.2
A00307097	3	0.5	0.22	0.30	0.12	1.8	0.45	0.65	1.2	9.2
A00307098	2	0.6	0.32	0.44	<0.05	2.4	0.66	0.74	0.6	13.3
A00307099	3	0.6	0.29	0.41	<0.05	3.3	0.56	0.76	1.0	13.6
A00307100	<2	0.5	0.30	0.42	0.05	2.0	0.55	0.62	0.5	12.6
A00307101	<2	0.7	0.33	0.51	<0.05	2.9	0.43	1.19	1.1	14.7
A00307102	<2	0.4	0.27	0.36	0.06	3.0	0.32	1.98	2.7	10.0
A00307103	<2	2.5	0.32	0.32	0.12	5.1	0.41	0.94	0.5	9.4
A00307104	<2	0.4	0.26	0.24	0.08	3.1	0.39	1.87	1.0	6.0
A00307105	<2	0.4	0.27	0.22	0.08	3.2	0.37	1.71	0.7	5.2
A00307106	<2	0.4	0.25	0.21	<0.05	3.3	0.39	1.76	0.6	5.1
A00307107	3	0.6	0.26	0.58	<0.05	1.9	0.51	0.66	0.5	16.9
A00307108	3	0.4	0.28	0.42	<0.05	2.0	0.47	0.56	0.4	12.9
*Dup A00307108	2	0.5	0.29	0.38	<0.05	1.8	0.47	0.50	0.4	11.5
A00307109	2	0.5	0.25	0.49	0.38	2.3	0.43	1.18	1.1	15.1
A00307110	3	0.5	0.39	0.54	<0.05	4.1	0.56	0.87	0.9	17.6
A00307111	<2	0.6	0.16	0.12	<0.05	1.3	0.23	0.48	0.2	2.9
A00307112	2	0.4	0.44	0.36	<0.05	3.2	0.47	0.43	0.7	11.3
A00307113	<2	0.5	0.46	0.41	<0.05	4.5	0.58	0.98	1.1	12.2
A00307114	<2	0.8	0.44	0.37	<0.05	3.8	0.55	1.00	1.4	12.0
A00307115	<2	0.5	0.36	0.30	<0.05	3.0	0.53	1.02	0.6	9.1
A00307116	<2	0.4	0.32	0.22	0.07	3.3	0.42	2.67	0.7	5.7

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Element Method Det.Lim. Units	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm
A00307117	2	0.5	0.29	0.18	0.11	3.2	0.43	2.79	0.8	4.6
A00307118	<2	2.7	0.33	0.31	0.12	4.7	0.44	0.94	0.5	9.2
A00307119	3	0.4	0.29	0.17	0.08	3.1	0.48	2.18	1.1	4.4
A00307120	2	0.4	0.28	0.21	0.07	3.1	0.47	2.04	1.2	5.1
A00307121	2	0.4	0.28	0.23	0.07	3.3	0.43	2.26	1.0	6.0
A00307122	2	0.4	0.30	0.22	0.05	3.5	0.42	2.09	0.6	5.9
A00307123	<2	<0.3	0.30	0.22	<0.05	3.3	0.42	1.94	0.6	5.6
A00307124	<2	0.3	0.29	0.23	0.06	3.2	0.48	1.79	0.5	5.8
A00307125	<2	0.4	0.29	0.27	<0.05	3.3	0.49	1.64	1.7	7.1
A00307126	<2	0.5	0.22	0.50	<0.05	1.5	0.47	0.72	0.6	14.9
A00307127	<2	0.5	0.22	0.50	<0.05	1.6	0.45	0.77	0.6	15.0
A00307128	2	0.5	0.31	0.45	<0.05	2.9	0.51	1.02	0.5	13.3
A00307129	<2	0.6	0.28	0.31	0.12	3.0	0.34	1.77	0.7	8.7
A00307130	<2	0.5	0.20	0.60	0.23	1.2	0.36	0.69	0.8	19.0
A00307131	<2	0.7	0.17	0.49	<0.05	1.2	0.23	0.61	0.6	14.9
A00307132	<2	0.7	0.16	0.11	<0.05	1.5	0.23	0.72	0.2	2.7
A00307133	<2	0.6	0.18	0.60	<0.05	1.3	0.33	0.61	0.7	19.0
A00307134	3	0.6	0.17	0.45	0.05	1.2	0.44	0.64	0.9	13.4
A00307135	<2	0.5	0.16	0.46	<0.05	1.1	0.55	0.54	0.5	13.3
A00307136	<2	0.6	0.14	0.52	0.26	1.1	0.42	0.92	0.8	16.6
A00307137	2	0.7	0.15	0.45	0.44	1.1	0.34	1.45	1.5	13.7
A00307138	<2	1.4	0.24	0.43	0.07	2.0	0.22	0.80	21.8	13.9
A00307139	<2	0.6	0.16	0.48	<0.05	1.2	0.48	0.55	0.7	14.1
A00307140	<2	0.7	0.16	0.49	<0.05	1.1	0.41	0.57	0.8	14.7
A00307141	<2	0.6	0.19	0.44	<0.05	1.2	0.45	0.60	0.8	12.8
A00307142	<2	0.4	0.23	0.39	<0.05	2.0	0.59	1.10	0.7	12.1
*Dup A00307142	<2	0.5	0.23	0.38	<0.05	2.1	0.62	1.16	0.7	11.5
A00307143	<2	<0.3	0.23	0.25	0.11	3.4	0.44	1.50	0.6	6.2
A00307144	<2	0.4	0.27	0.25	<0.05	3.3	0.40	1.86	0.6	6.2
A00307145	<2	0.3	0.26	0.23	<0.05	3.0	0.39	1.74	0.6	5.9
A00307146	<2	0.6	0.25	0.42	<0.05	1.7	0.47	0.89	0.6	12.6
A00307147	<2	0.7	0.29	0.52	<0.05	1.4	0.53	0.53	0.6	15.2
A00307148	2	0.7	0.29	0.55	<0.05	1.3	0.45	0.42	0.7	16.9
*Rep A00307077	<2	0.4	0.31	0.23	<0.05	3.4	0.38	1.86	0.5	5.7
*Rep A00307140	<2	0.7	0.16	0.50	<0.05	1.2	0.41	0.58	0.8	14.6
*Std CH-4	<2	1.0	0.29	0.37	0.46	2.4	0.38	0.76	3.4	10.1
*Std CH-4	2	1.0	0.24	0.36	0.38	2.2	0.37	0.69	2.9	9.8
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Blk BLANK	<2	<0.3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307075	0.5
A00307076	0.5
A00307077	0.6
A00307078	0.3
A00307079	0.5
A00307080	0.5
A00307081	0.6
A00307082	0.5
A00307083	0.5
A00307084	0.5
A00307085	0.5
A00307086	0.5
A00307087	0.5
A00307088	0.5
A00307089	0.5
A00307090	0.5
A00307091	1.4
A00307092	0.5
A00307093	1.0
A00307094	1.0
A00307095	0.3
A00307096	1.1
A00307097	0.8
A00307098	1.1
A00307099	1.1
A00307100	1.1
A00307101	1.4
A00307102	0.9
A00307103	0.9
A00307104	0.5
A00307105	0.5
A00307106	0.5
A00307107	1.5
A00307108	1.3
*Dup A00307108	1.2
A00307109	1.4
A00307110	1.6
A00307111	0.4
A00307112	1.1
A00307113	1.1
A00307114	1.1
A00307115	0.9
A00307116	0.6

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Element Method Det.Lim. Units	Yb ICM40B 0.1 ppm
A00307117	0.4
A00307118	0.9
A00307119	0.4
A00307120	0.5
A00307121	0.5
A00307122	0.5
A00307123	0.5
A00307124	0.5
A00307125	0.6
A00307126	1.4
A00307127	1.4
A00307128	1.3
A00307129	0.8
A00307130	1.7
A00307131	1.5
A00307132	0.3
A00307133	1.9
A00307134	1.4
A00307135	1.3
A00307136	1.4
A00307137	1.3
A00307138	1.4
A00307139	1.3
A00307140	1.4
A00307141	1.2
A00307142	1.1
*Dup A00307142	1.1
A00307143	0.6
A00307144	0.6
A00307145	0.5
A00307146	1.1
A00307147	1.5
A00307148	1.6
*Rep A00307077	0.5
*Rep A00307140	1.3
*Std CH-4	1.1
*Std CH-4	1.0
*Blk BLANK	<0.1
*Blk BLANK	<0.1

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Certificate of Analysis

Work Order: TK120208R

To: **Jeff Clarke**
RIVERSIDE RESOURCES (BC) INC
1110-1111 WEST GEORGIA STREET
BC V6E 4M3

Date: Oct 24, 2012

P.O. No. : PROJ: Lennac /SHIPMENT: RRLE008-2012
Project No. : LENNAC
No. Of Samples : 74
Date Submitted : Oct 05, 2012
Report Comprises : Pages 1 to 11
(Inclusive of Cover Sheet)

Certified By :



Satpaul Gill
QAQC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Al ICM40B 0.01 %	Ba ICM40B 1 ppm	Ca ICM40B 0.01 %	Cr ICM40B 1 ppm	Cu ICM40B 0.5 ppm	Fe ICM40B 0.01 %	K ICM40B 0.01 %	Li ICM40B 1 ppm	Mg ICM40B 0.01 %	Mn ICM40B 2 ppm
A00307075	7.62	712	2.36	16	934	2.71	2.96	7	0.70	286
A00307076	7.79	731	2.68	16	1200	2.71	3.01	5	1.19	268
A00307077	8.19	748	2.35	15	971	2.89	2.92	5	0.77	288
A00307078	9.85	1240	1.07	8	19.5	1.43	2.49	4	0.36	311
A00307079	7.76	761	2.67	17	822	2.80	2.49	3	0.68	290
A00307080	7.88	793	2.61	18	677	2.89	2.54	5	0.82	352
A00307081	7.85	767	2.75	15	447	2.76	2.45	6	0.75	294
A00307082	7.82	751	2.51	16	765	2.84	2.46	5	0.82	290
A00307083	7.86	769	2.45	13	645	2.78	2.54	5	0.81	262
A00307084	7.68	844	2.06	17	1510	2.65	3.00	4	0.76	243
A00307085	6.66	1010	1.72	13	2790	1.87	3.24	5	0.59	238
A00307086	7.25	935	1.69	11	2600	2.06	2.94	4	0.71	216
A00307087	6.87	805	1.58	13	3590	2.25	3.08	3	0.59	191
A00307088	7.38	935	1.76	12	2560	2.28	3.15	3	0.63	216
A00307089	7.36	910	1.79	12	2380	1.92	2.95	3	0.66	203
A00307090	7.59	1080	1.76	11	1350	2.27	2.90	4	0.75	250
A00307091	5.87	509	2.11	35	5200	3.60	0.90	13	0.98	640
A00307092	7.13	813	1.63	11	3110	2.15	2.75	4	0.87	184
A00307093	7.84	760	1.59	11	3400	3.12	2.68	5	1.49	256
A00307094	6.62	487	1.58	13	5010	3.09	2.51	5	1.21	234
A00307095	9.98	1340	1.20	8	12.0	1.23	2.51	4	0.33	288
A00307096	7.46	551	1.68	12	3620	3.14	2.27	6	1.42	247
A00307097	5.86	604	1.33	13	4670	2.72	1.98	6	1.08	243
A00307098	8.61	743	1.60	15	4520	3.84	3.09	8	2.12	333
A00307099	7.79	966	1.48	15	5010	3.48	3.00	7	1.71	312
A00307100	8.62	2240	1.72	11	2380	4.25	3.00	7	2.05	379
A00307101	8.50	1530	3.09	13	2000	4.24	1.59	8	1.44	352
A00307102	7.41	470	3.89	14	2270	2.83	1.61	7	1.32	345
A00307103	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307104	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307105	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307106	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307107	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307108	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307109	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307110	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307111	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307112	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307113	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307114	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307115	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307116	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307117	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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A00307118	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307119	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307120	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307121	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307122	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307123	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307124	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307125	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307126	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307127	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307128	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307129	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307130	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307131	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307132	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307133	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307134	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307135	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307136	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307137	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307138	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307139	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307140	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307141	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307142	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307143	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307144	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307145	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307146	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307147	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307148	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm
A00307075	2.74	6.8	850	0.15	507	0.23	74	48	25.8	0.26
A00307076	2.73	5.9	820	0.17	548	0.22	73	71	28.4	0.44
A00307077	2.92	6.6	840	0.16	570	0.24	75	65	27.2	0.79
A00307078	4.00	4.0	510	0.03	863	0.13	34	46	18.2	<0.02
A00307079	2.90	6.7	840	0.12	578	0.23	76	47	23.9	0.30
A00307080	3.04	7.0	880	0.14	774	0.24	69	49	23.6	0.28
A00307081	2.86	6.5	900	0.08	518	0.25	74	48	23.2	0.15
A00307082	2.98	6.1	870	0.12	564	0.23	74	43	23.7	0.33
A00307083	2.97	6.2	880	0.07	556	0.25	78	44	23.7	0.20
A00307084	2.67	7.3	830	0.23	512	0.22	74	46	28.3	0.43
A00307085	2.15	3.8	620	0.36	378	0.18	52	53	22.7	0.79
A00307086	2.83	4.8	680	0.30	497	0.20	59	47	24.7	0.80
A00307087	2.51	4.9	570	0.48	977	0.20	62	49	24.0	1.13
A00307088	2.75	4.5	720	0.39	1440	0.20	62	44	25.6	0.98
A00307089	2.76	4.3	670	0.33	689	0.22	59	43	25.6	0.74
A00307090	2.87	4.1	760	0.25	525	0.21	64	48	29.4	0.44
A00307091	2.10	24.1	440	0.65	272	0.28	102	54	55.9	1.02
A00307092	2.74	5.0	720	0.52	485	0.21	70	48	26.1	1.08
A00307093	3.16	4.5	690	0.44	435	0.33	123	72	37.6	0.93
A00307094	2.56	5.3	400	0.75	287	0.32	127	64	54.3	1.61
A00307095	4.09	2.8	420	<0.01	919	0.12	28	35	17.6	<0.02
A00307096	2.87	4.5	530	0.62	313	0.36	134	66	64.8	1.26
A00307097	2.34	3.9	320	0.60	269	0.30	115	52	61.6	1.32
A00307098	3.29	4.1	600	0.53	401	0.48	186	84	66.9	1.30
A00307099	3.03	5.1	480	0.60	386	0.43	153	77	41.9	1.52
A00307100	3.38	4.9	610	0.26	417	0.47	170	84	80.5	0.72
A00307101	2.74	3.0	630	0.28	354	0.45	154	62	78.8	0.64
A00307102	1.10	5.1	710	0.53	391	0.26	96	45	44.1	0.83
A00307103	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307104	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307105	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307106	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307107	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307108	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307109	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307110	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307111	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307112	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307113	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307114	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307115	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307116	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307117	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Na ICM40B 0.01 %	Ni ICM40B 0.5 ppm	P ICM40B 50 ppm	S ICM40B 0.01 %	Sr ICM40B 0.5 ppm	Ti ICM40B 0.01 %	V ICM40B 2 ppm	Zn ICM40B 1 ppm	Zr ICM40B 0.5 ppm	Ag ICM40B 0.02 ppm
A00307118	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307119	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307120	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307121	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307122	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307123	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307124	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307125	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307126	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307127	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307128	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307129	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307130	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307131	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307132	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307133	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307134	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307135	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307136	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307137	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307138	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307139	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307140	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307141	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307142	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307143	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307144	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307145	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307146	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307147	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307148	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm
A00307075	9	0.9	0.38	0.05	18.0	10.3	Δ	18.6	0.91	<0.02
A00307076	4	0.9	0.27	0.15	19.9	10.2	Δ	18.0	0.81	0.05
A00307077	5	0.9	0.31	0.11	19.9	10.0	Δ	18.9	0.86	0.06
A00307078	3	1.8	<0.04	<0.02	15.0	4.0	Δ	21.9	0.73	0.02
A00307079	4	1.0	<0.04	0.07	17.9	9.9	Δ	18.6	0.77	<0.02
A00307080	2	1.0	0.05	0.07	20.4	11.0	Δ	18.9	0.82	<0.02
A00307081	32	1.0	0.10	0.06	18.3	9.6	7	18.5	0.80	<0.02
A00307082	3	0.9	<0.04	0.06	18.6	10.2	Δ	18.6	0.78	<0.02
A00307083	4	1.0	<0.04	0.07	19.4	9.9	Δ	18.1	0.81	<0.02
A00307084	2	0.9	0.12	0.08	18.7	10.0	Δ	18.1	0.77	0.02
A00307085	17	0.8	0.16	0.19	17.4	7.7	Δ	16.3	0.74	0.04
A00307086	4	0.9	0.11	0.18	17.9	9.5	Δ	17.7	0.82	0.04
A00307087	6	0.7	0.13	0.20	20.2	11.5	Δ	18.4	0.82	0.05
A00307088	4	0.8	0.10	0.17	26.5	9.4	Δ	18.8	0.89	0.04
A00307089	1	0.9	0.12	0.15	22.5	8.2	Δ	17.1	0.83	0.04
A00307090	2	0.9	0.11	0.13	18.8	7.5	Δ	17.7	0.85	0.04
A00307091	5	0.7	0.11	0.30	18.2	12.8	Δ	12.0	1.33	0.08
A00307092	1	0.9	0.10	0.17	19.2	10.7	Δ	16.7	0.85	0.04
A00307093	2	1.1	0.57	0.21	22.0	12.2	Δ	18.0	0.88	0.04
A00307094	2	1.0	0.24	0.26	19.2	17.4	Δ	14.8	0.89	0.06
A00307095	2	1.8	<0.04	<0.02	11.1	3.0	Δ	19.0	0.57	<0.02
A00307096	2	1.1	0.54	0.19	21.0	14.7	Δ	17.1	0.91	0.04
A00307097	2	0.7	0.22	0.24	15.8	14.5	Δ	12.5	0.68	0.05
A00307098	1	1.0	0.09	0.26	17.7	19.4	Δ	19.0	0.67	0.05
A00307099	1	0.8	0.10	0.31	19.9	18.6	Δ	18.2	0.59	0.05
A00307100	2	0.9	0.21	0.13	20.6	16.5	Δ	17.7	0.69	0.02
A00307101	2	0.9	0.07	0.13	29.1	15.3	Δ	20.8	0.85	0.04
A00307102	4	0.9	0.16	0.10	23.5	12.8	Δ	16.3	1.01	0.03
A00307103	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307104	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307105	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307106	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307107	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307108	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307109	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307110	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307111	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307112	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307113	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307114	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307115	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307116	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307117	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	As ICM40B 1 ppm	Be ICM40B 0.1 ppm	Bi ICM40B 0.04 ppm	Cd ICM40B 0.02 ppm	Ce ICM40B 0.05 ppm	Co ICM40B 0.1 ppm	Cs ICM40B 5 ppm	Ga ICM40B 0.1 ppm	Hf ICM40B 0.02 ppm	In ICM40B 0.02 ppm
A00307118	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307119	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307120	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307121	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307122	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307123	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307124	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307125	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307126	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307127	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307128	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307129	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307130	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307131	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307132	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307133	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307134	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307135	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307136	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307137	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307138	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307139	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307140	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307141	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307142	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307143	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307144	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307145	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307146	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307147	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307148	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm
A00307075	8.7	0.07	6.22	4.5	5.2	66.8	0.32	5.9	<2	0.3
A00307076	9.8	0.07	4.31	4.5	6.0	70.9	0.12	5.7	<2	0.4
A00307077	9.7	0.08	4.80	4.6	5.9	58.6	0.14	6.1	<2	0.4
A00307078	7.2	0.08	1.34	3.9	10.9	34.6	0.49	2.6	<2	0.7
A00307079	8.6	0.07	3.14	4.6	4.7	49.1	0.11	6.1	<2	0.4
A00307080	10.1	0.08	3.47	4.7	3.9	52.7	0.06	6.1	<2	0.4
A00307081	8.8	0.07	5.09	4.7	3.7	49.8	0.14	6.0	<2	0.3
A00307082	9.0	0.07	14.9	4.7	3.6	49.9	0.06	5.9	<2	0.4
A00307083	9.4	0.07	31.4	4.6	3.1	52.5	0.07	5.7	<2	0.3
A00307084	9.0	0.07	39.4	4.4	4.2	68.8	0.18	5.8	<2	0.4
A00307085	8.2	0.06	43.2	3.7	4.5	77.4	0.35	4.5	<2	0.3
A00307086	8.5	0.07	46.8	4.2	4.5	62.8	0.15	4.7	<2	0.4
A00307087	9.8	0.08	44.6	4.2	6.4	68.8	0.22	4.6	2	0.4
A00307088	12.9	0.08	83.6	4.6	7.0	67.6	0.21	4.9	<2	0.4
A00307089	11.3	0.07	82.2	4.1	4.0	57.1	0.11	4.4	<2	0.4
A00307090	8.9	0.07	43.3	4.2	4.3	56.9	0.08	4.7	<2	0.4
A00307091	9.0	0.21	305	3.9	5.1	24.6	1.27	12.6	<2	1.4
A00307092	8.6	0.08	86.6	3.7	3.7	59.2	0.22	4.9	<2	0.4
A00307093	10.4	0.13	55.4	4.9	3.3	90.4	0.14	11.8	<2	0.5
A00307094	8.5	0.14	133	4.1	3.7	80.8	0.17	12.1	3	0.6
A00307095	5.1	0.05	0.97	3.0	7.8	24.7	0.42	1.7	<2	0.6
A00307096	9.8	0.15	125	4.8	4.7	90.0	0.20	15.7	<2	0.6
A00307097	7.3	0.11	65.3	3.6	1.8	58.9	0.14	12.1	2	0.6
A00307098	7.8	0.15	39.6	5.2	2.4	118	0.06	21.2	2	0.7
A00307099	9.0	0.17	75.3	5.5	5.2	102	0.08	19.1	3	0.6
A00307100	9.7	0.16	38.5	4.9	2.1	111	0.15	19.8	<2	0.5
A00307101	14.4	0.23	84.5	5.7	4.5	64.7	0.10	19.0	<2	0.7
A00307102	11.6	0.14	49.5	4.0	4.5	50.8	0.40	9.4	<2	0.4
A00307103	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307104	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307105	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307106	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307107	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307108	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307109	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307110	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307111	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307112	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307113	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307114	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307115	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307116	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307117	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	La ICM40B 0.1 ppm	Lu ICM40B 0.01 ppm	Mo ICM40B 0.05 ppm	Nb ICM40B 0.1 ppm	Pb ICM40B 0.5 ppm	Rb ICM40B 0.2 ppm	Sb ICM40B 0.05 ppm	Sc ICM40B 0.1 ppm	Se ICM40B 2 ppm	Sn ICM40B 0.3 ppm
A00307118	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307119	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307120	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307121	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307122	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307123	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307124	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307125	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307126	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307127	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307128	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307129	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307130	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307131	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307132	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307133	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307134	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307135	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307136	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307137	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307138	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307139	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307140	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307141	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307142	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307143	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307144	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307145	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307146	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307147	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307148	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm	Yb ICM40B 0.1 ppm
A00307075	0.33	0.21	<0.05	2.9	0.40	1.75	0.4	5.6	0.5
A00307076	0.29	0.22	<0.05	3.1	0.40	1.85	0.5	5.7	0.5
A00307077	0.30	0.22	<0.05	3.2	0.40	1.79	0.5	5.9	0.5
A00307078	0.23	0.18	<0.05	2.3	0.26	0.99	0.2	3.9	0.4
A00307079	0.30	0.23	<0.05	2.9	0.32	1.64	0.5	5.9	0.5
A00307080	0.30	0.23	<0.05	3.1	0.33	1.86	0.5	6.1	0.5
A00307081	0.30	0.22	<0.05	2.9	0.36	1.48	0.4	5.7	0.5
A00307082	0.29	0.22	<0.05	2.9	0.34	1.69	0.4	5.8	0.5
A00307083	0.29	0.22	<0.05	3.1	0.32	1.69	0.4	5.7	0.5
A00307084	0.27	0.22	<0.05	3.0	0.40	1.66	0.6	5.7	0.5
A00307085	0.23	0.21	0.06	2.8	0.43	1.53	0.9	5.4	0.5
A00307086	0.26	0.21	<0.05	3.0	0.38	1.71	0.9	5.5	0.5
A00307087	0.31	0.27	0.06	3.9	0.45	1.98	1.2	6.0	0.5
A00307088	0.32	0.29	<0.05	4.0	0.45	2.39	1.1	6.3	0.5
A00307089	0.26	0.22	<0.05	3.2	0.38	1.64	1.1	5.3	0.5
A00307090	0.26	0.22	<0.05	3.0	0.39	1.68	0.8	5.6	0.5
A00307091	0.24	0.41	0.09	1.9	0.22	0.76	20.7	13.9	1.5
A00307092	0.24	0.24	<0.05	2.8	0.37	1.42	1.2	6.1	0.5
A00307093	0.30	0.35	0.07	2.5	0.54	1.12	1.0	10.5	1.0
A00307094	0.26	0.33	0.10	1.8	0.46	0.98	1.4	10.7	1.0
A00307095	0.14	0.12	<0.05	1.6	0.22	0.57	0.1	3.0	0.3
A00307096	0.29	0.35	0.15	1.9	0.50	0.97	1.4	11.7	1.1
A00307097	0.21	0.28	0.12	1.4	0.38	0.66	1.2	9.1	0.8
A00307098	0.32	0.39	<0.05	2.0	0.66	0.62	0.6	13.0	1.2
A00307099	0.35	0.45	<0.05	2.4	0.62	0.77	1.0	13.2	1.1
A00307100	0.30	0.40	<0.05	1.8	0.58	0.60	0.5	13.0	1.2
A00307101	0.39	0.55	<0.05	2.9	0.43	1.10	1.2	15.6	1.5
A00307102	0.26	0.34	0.09	2.6	0.32	1.75	2.3	10.2	0.9
A00307103	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307104	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307105	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307106	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307107	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307108	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307109	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307110	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307111	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307112	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307113	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307114	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307115	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307116	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307117	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Ta ICM40B 0.05 ppm	Tb ICM40B 0.05 ppm	Te ICM40B 0.05 ppm	Th ICM40B 0.2 ppm	Tl ICM40B 0.02 ppm	U ICM40B 0.05 ppm	W ICM40B 0.1 ppm	Y ICM40B 0.1 ppm	Yb ICM40B 0.1 ppm
A00307118	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307119	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307120	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307121	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307122	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
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A00307125	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
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A00307127	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307128	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307129	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307130	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
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A00307132	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307133	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307134	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307135	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307136	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307137	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307138	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307139	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307140	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307141	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307142	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307143	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307144	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307145	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307146	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307147	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00307148	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Appendix 10: Rock Chip Sample Logs

Table 15: Rock Chip Sample Logs

Sample ID	Sample Type	Projection	Zone	X	Y	Z	Lith	C	Inte	A	T	Inte	A	T	Inte	A	T	Inte	Mineral	Texture	%	Mineral	Textu	%	Comment
								o	nsity	lt	y	nsity	lt	y	nsity	lt	y	nsity	1			2	re		
							u			1	p		2	p		3	p								
							r			e	e		e	e											
A00249001	Rock Outcrop	NAD 83	9 U	669986	6071384	1006	QBFP	G	Light	C	S	3													Barren QBFP, chlorite replacing biotite; moderately magnetic
A00249002	Rock Subcrop	NAD 83	9 U	672315	6068894	1040	TUFF	G	Light	S	P	4							CP	Cl	0.1	PY	Ds	1	Light coloured bleached crystal tuff; disseminated and clotty PY and rare CP
A00249003	Rock Subcrop	NAD 83	9 U	671532	6070150	972	QBFP	G	Light	S	S	3	S	P	2				CP	ds		BO	ds		QBFP with planar stockwork qtz+bio+mt veins with sulfid
A00249004	Rock Subcrop	NAD 83	9 U	671274	6069846	963	QBFP	G	Med	S	P	3	M	S	3	S	P	3	CP	CV	0.5	Mo	CV	0.1	Subcrop of QBFP; Euhedral BI (up to 3 mm) 3-5%; x-cutting qtz sulfide veinlets with diss and clotty PY, CP +/- Mo
A00249005	Rock Outcrop	NAD 83	9 U	671302	6069853	960	FGFP	B	dark	S		3							cp	cv		py	cv		Planar qtz py+/-cp veins

A00249011	Rock Outcrop	NAD 83	9 U	671350	6069859	977	QBFPP	G y	light i	B S V	2	S e	P V	3				cp	cv	1.5	ma	Co	0.8	discovery outcrop; qtz+py+/-cp stockwork veins; weak-mod magnetic; cu-oxide replacing KF; fine diss. Cp + bo around qtz veinlets; rare cp veinlets; biotite selvage on qtz veins	
A00249012	Rock Outcrop	NAD 83	9 U	671457	6069836	979	QBFHP	G y	Light e	S P v	2	S i	P V	2				Cp	ds	0.1	Py	ds	0.1	Coarse grained QBFHP; 10 % euhedral Bi up to 3 mm; 3 % blades of AM up to 2 mm; rare qtz veins; trace diss sulfide	
A00249013	Rock Outcrop	NAD 83	9 U	671713	6069652	968	QBFHP	G y	Light i	S P V	4							py	CL	5				Strongly pyritic QBFHP; ~3 % euhedral Bi up to 5 mm; ~ 3 % Am up to 2 mm; very pyritic ith limonite leaching on fracture surfaces	
A00249014	Rock subcrop	NAD 83	9 U	672429	6069369	1017	QBFPP	G y	Light H	C S v	3													Sample from trench behind I107-18; ch+/- sericite after biotite; non-magnetic; non-mineralized	
A00249015	Rock Subcrop	NAD 83	9 U	672337	6068895	1031	XLTF	P k	light i	S P V	3							PY	cl	3	CP	Ds	0.3	Strongly bleached xstal tuff; disseminated and clotty PY; diss CP; rare qtz vein hosting sulfide	
A00249016	Rock Trench	NAD 83	9 U	673304	6069018	976	BRX	T n	light i	S P V	3	C Y	R e p	2				MA	co	2	cp	ds	0.5	strongly bleached volcanic breccia; silicified with clay replacement; clotty and diss. Sulfide; coating secondary azurite and malachite	
A00249017	Rock Outcrop	NAD 83	9 U	665728	6085141	1010	QBFHP	G y	dark h	C S P	3	S i	P V	1											Fine-medium grained dk grey QBFHP; 50 % FS laths up to 3 mm, 10% Bi up to 2 mm and euhedral, 15 bladed Am up to 1 mm, moderately magnetic, chlorite after amphibole, weak

A00249029	Old trench	NAD 83	9 U	673332	6068761	995	QFP	T n	Med ium	S p l v	4	c r y e p	3				MA	co	0.1	py	ds	1	Crowded feldspar QFP with quartz-stockwork veining with disseminated pyrite; pervasive silicification and clay replacement, disseminated and clotty py; high level argillic alteration	
A00249030	Old trench	NAD 83	9 U	672343	6068853	1048	XLTF	T n	Light	S p e v	3	L M e p	R e v	3	si p v	4								Light tan, intensely bleached xstal lithic tuff; pervasive sericitization-silicification; limonite fracture fill; limonite after sulphide
A00249031	Old trench	NAD 83	9 U	672321	6068917	1028	XLTF	G y	Med ium	S p i v	2	s e v	p e v	2	m t		py	ds	0.1	cp	ds	0.3	Medium grey xstal tuff; mod-strongly magnetic; weak pervasive silicification and sericitization; disseminated and clotty py and cp (locally strong)	
A00249032	Rock outcrop	NAD 83	9 U	675180	6069469	993	XLTF	G G	Med ium	c h e p	3												Sample of xstal lithic tuff for background; outside of alteration halo; xstal lithic tuff with fs laths and clast up to 2 cm ; moderate chlorite replacement of ash	
A00249033	Rock outcrop	NAD 83	9 U	677625	6073588	921	QFP	G y	Light	M t e p	4	e p N	V t p	1	m s p	3								Equigranular grey to light pink QFP with amphibole replaced by MT; ~ 20 % amp.; minor EP veinlets; ?Topley intrusive suite
A00249036	quarry	NAD 83	9 U	687699	6072793	734	GRA	P k	Light	C h e p	1												Fresh sample of pink light Topley Granite; assaying to prove validity of using as sample Blank	

A00249037	quarry	NAD 83	9 U	687699	6072793	734	GRA	P k	Light	C h e p	r	1												Fresh sample of pink light Topley Granite; assaying to prove validity of using as sample Blank		
A00249038	quarry	NAD 83	9 U	687699	6072793	734	GRA	P k	Light	C h e p	r	1												Fresh sample of pink light Topley Granite; assaying to prove validity of using as sample Blank; minor chlorite replacement, samples were chosen as freshest and unaltered as possible		
A00249042	Rock outcrop	NAD 83	9 U	676692	6062565	1060	XLTF	G y	Dark	S e p	R e	2	C b	v n	2	l m	v n	2	py	ds		0.1		Dark grey xstal lithic tuff; fragments up to 2 cm; sericite replacement; sinuous cb veinlets; rare qtz+py veinlets; cb veinlet set @ 291/56		
A00249043	Rock outcrop	NAD 83	9 U	676666	6062494	1060	SLT	G y	Dark	C h	P V	3	s e	p v	2	e p	v n	1	py	Ds		0.5		Thinly bedded dark grey siltstone; pervasive chlorite+sericite alteration; rare ep veinlets; common cb veinlets; bedding @194/87; slickenside on fracture surfaces		
A00249044	Rock subcrop	NAD 83	9 U	676427	6062543	1065	ANDS	G y	Dark	s e	p v	3	m t	p v	2	c h	r e	2	py	ds		3	cp	ds	0.3	Dark grey andesite subcrop; pervasive sericite, minor chlorite and rare Ep veinlets; moderately magnetic; rare x-cutting qtz stringer veinlets; diss py + cpy
A00249045	Rock subcrop	NAD 83	9 U	676565	6062726	1056	ANDS	g y	Light	s e	p v	2	m t	p v	2	g o		1	py	ds		1		Light grey andesite; weakly magnetite; pervasive sericite and weak chlorite; weakly magnetic; thin planar cb veinlets up to 2 mm thick with goethite staining; diss py		

A00249046	Rock outcrop	NAD 83	9 U	676387	6062497	1059	DIOR	G y	Med ium	e v p n	2	c h	R e p	2								Equigranular medium grained plag+hbl diorite; ch after hbl; common ep veinlets
A00249047	Rock outcrop	NAD 83	9 U	676858	6082703	920	XLTF	G y	Light	c r y e p	2	s e	r e p	2	l m	ff	1					Light grey xstal lithic tuff; rounded and subrounded fragments of maroon and grey volcanics; hbl xstals to 3 mm; limonite on fracture surfaces; clay+sericite altered; near inferred contact with Babine intrusive
A00249048	Rock Subcrop	NAD 83	9 U	676826	6082732	924	BFHP	G y	Med ium	L m	ff	3	G o	ff	3			py	ds	0.3		Medium grey fs+hbl porphyritic intrusive; strong Lm+Go staining on fracture surfaces; 2-5 mm long hbl crystals
A00249049	Rock Subcrop	NAD 83	9 U	676841	6082713	927	BFHP	G y	Med ium	S e	P V	3	C y	r e p	3	l m	s p	3	Ma co	2		Medium grey strongly clay+sericite after fs altered with lm after mafics (hbl) porphyry; malachite spotty coating; near contact with Newman xltf
A00249050	Rock Subcrop	NAD 83	9 U	676813	6082734	929	BFHP	B n	dark	L m	ff	3	G o	ff	3	S i	v	2				Dark brown strongly limonite+goethite stained silicified crowded medium grained fs+hbl porphyry; different phase than previous
A00249051	Rock Subcrop	NAD 83	9 U	676803	6082745	929	BFHP	G y	light	S e p	r e p	3	c y	r e p	2	l m	S p	2	ma co	3		Light grey crowded fs+hbl porphyry; sericite + clay after fs; limonite after hbl; 3% malachite as spotty staining

A00249052	Rock outcrop	NAD 83	9 U	676716	6082825	932	XLTF	G	Light	C	R	3	s	R	3	l	s	2	ma	co	3				Light grey xstal lithic tuff; clay + sericite after matrix; limonite after mafic minerals; near contact with porphyry intrusion; ~3 % spotty malachite staining
A00249053	Rock subcrop	NAD 83	9 U	676766	6082835	923	BFHP	b	dark	m	r	2	l	ff	3										Dark brown coarse grained fs+hbl porphyry; moderately magnetic; strong limonite staining; separate phase barren ?late phase
A00249054	Rock subcrop	NAD 83	9 U	676233	6083901	926	BFHP	G	Med	S	p	3	s	p	3	l	s	2	ma	co	0.1	he	3	Grey fs+hbl porphyry subcrop; strong silica-sericite; limonite after hbl; trace malachite staining	
A00249055	Rock subcrop	NAD 83	9 U	676224	6083891	926	BFHP	G	light	C	s	3							ma	co	2			light grey medium grained crowded fs + hbl porphyry; hbl blades to 3 mm ; malachite dusting; strong clay after fs: very localized Cu showing	
A00249056	Rock outcrop	NAD 83	9 U	675602	6081927	941	XLTF	G	Dark	c	p	3	l	ff	2				py	ds	0.1			Green xstal lithic tuff, fragments to 3 cm; non-magnetic, trace diss py; pervasively chloritic; limonite fracture fill	
A00249057	Rock outcrop	NAD 83	9 U	673191	6084218	990	BLFP	B	dark	M	r	2	l	ff	2				ma	co	3			Black bladed feldspar phyrlic andesite; euhedral feldspar to 1 cm long; moderately magnetic; in contact with maroon conglomerate with malachite staining at contact; limonite fracture fill; thin qtz stringers; very localized Cu occurrence	
A00249058	Rock outcrop	NAD 83	9 U	673187	6084203	995	XLTF	G	Dark	m	r	2	s	r	1	l	ff	3						Dark grey-green xstal tuff; strong limonite staining;	

								g		t	e	e	e	m											moderately magnetic; weak sericite with rare qtz stringer veinlets
A00249059	Rock outcrop	NAD 83	9 U	671330	6089256	978	XLTF	M	Dark	l	ff	3	q	v	2										Maroon xstal lithic tuff with fragements to 3 cm; thin qtz+cb stringers; limonite staining on fracture surfaces
A00249060	Rock outcrop	NAD 83	9 U	670705	6087250	1024	XLTF	M	Dark	l	ff	3	c	s	2										Maroon xstal lithic tuff; light green clay/?chlorite selectively replacing mafic minerals; intense MnO + limonite fracture fill
A00249061	Rock outcrop	NAD 83	9 U	666649	6087615	1000	BFHP	g	Med	m	R	2	l	ff	3										Medium grey fs+hbl+bi fine graind porphyry; moderately magnetic, bi booklets to 3 mm; hbl needles to mm; limonite+mno fracture fill; localized ?flow banding
A00249062	Float	NAD 83	9 U	674358	6073609	907	BLFP	M	Dark	M	r	1	E	v	1	C	r	3							Bladed feldspar porphyry; Fs to 2 cm; weakly magnetite; thin qtz veinlets, epidote veinlets; localized chlorite after Fs
A00249063	Rock subcrop	NAD 83	9 U	677441	6083231	884	XLTF	G	Light	C	R	1	C	R	1	L	ff	1							Fs+hbl xstals to 3 cm; fragments up to block size (~30cm); weak clay+chlorite replacement; minor limonoite staining and fracture fill
A00249064	Rock subcrop	NAD 83	9 U	677002	6082956	902	XLTF	G	Light	C	R	1	C	R	1	L	ff	1							Fs+hbl xstals to 3 cm; fragments up to block size (~50cm); weak clay+chlorite replacement; minor limonoite staining

Appendix 11: Drill Core, RC Chip and Rock Chip Logging Codes

Flute and Lennac Properties

2012 Exploration Program

Lithology		Mineralization		Alteration_Style	
Code	Rock Name	Code	Mineral	Code	Style
QBFHP	Quartz+biotite+feldspar+hornblende porphyry	Py	pyrite	Dom	Domain
BFP	Hornblende+biotite+feldspar porphyry	Cpy	chalcopyrite	Pat	Patchy
QBFP	Quartz-biotite-feldspar porphyry	Hem	hematite	Per	Pervasive
BLFP	Bladed feldspar porphyry	Mal	malachite	Rep	Replacement
FGP	Fine-grained feldspar+biotite+hornblende porphyry	Mol	molybdenite	SP	Selective Pervasive
QFP	Quartz-feldspar porphyry	FeOx	Fe-oxide	Vn	Vein
LMP	Late mineral quartz+biotite+feldspar+hornblende porphyry			SP	Selective Pervasive
LPTF	Lapilli Tuff	Alteration Minerals		Vs	Vein Salvaging
TUFF	Tuff	Qtz	Quartz		
AFTF	Ash flow tuff	Bt	Biotite		
XLTF	Crystal lithic tuff	Ser	Sericite	Alteration Assemblage	
BRXX	Breccia	Chl	Chlorite		
RHYL	Rholite	Epi	Epidote	Calc-Sodic	
ANDS	Andesite	KF	K-Feldspar	Calc-Silicate	
BSLT	Basalt	Mag	Magnetite	Propylitic	
HFLS	Hornfelsed volcanics	Sil	Silicification	Phyllic	
TILL	Glacial Till	Cbn	Carbonate	Potassic	
FLT	Fault	Alb	Albite	Argillic	
SHR	Shear Zone	Ars	Arsenopyrite	Advanced Argillic	
CASE	Casing	Cct	Chalcocite	Silicification	
XXX	Unknown lithology	Bor	Bornite		
LOSS	Core Loss	Az	Azurite		
		Gal	Galena	Vein Density	
		Ja	Jarosite	Intensity	Percentage
Alteration Intensity				0	No Veins
1	Weak			<1	0-3%
2	Moderate			1	4-10%
3	Strong			2	11-20%
4	Very Strong			3	21-30%
				4	<31%

Appendix 12: Walcott Logistical Report

A LOGISTICS REPORT

ON

INDUCED POLARIZATION SURVEYING

**LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA
OMINECA MINING DIVISION
54 ° 44'N, 126 ° 18'W**

Claims Surveyed

504371,551061,551062,897483,897484,897486,897487,937574
937720,937723,937730,937734,937735,937753,937767,
937769,937773, 1015354

NTS 93L/09, 93L/16

for

RIVERSIDE RESOURCES INC.

Vancouver, British Columbia

by

PETER E. WALCOTT & ASSOCIATES LIMITED

**Coquitlam, British Columbia
February 2013**

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COST OF SURVEY

ACCOMANPANYING MAPS

Lennac Grid

Line Location and Claim Map	1:10,000
Pseudo sections – 0+00N, 1+00N, 2+00N, 3+00N, 4+00N, 5+00N, 6+00N,7+00N, 8+00N, 9+00N, 10+00N, 11+00N	1:10,000
Contours of Apparent Chargeability/Resistivity N=2 & 5	1:10,000

Cougar Grid

Line Location and Claim Map	1:10,000
Pseudo sections – 100+00N,200+00N, 300+00N, 400+00N, 500+00N	1:10,000
Contours of Apparent Chargeability/Resistivity N=2 & 5	1:10,000

Peter E. Walcott & Associates Limited
Geophysical Services

Induced Polarization Surveying
Riverside Resources Inc.
Lennac Project

INTRODUCTION.

Between July 15th and August 3rd, 2012, Peter E. Walcott & Associates Limited undertook induced polarization (IP) surveying for Riverside Resources Inc. over its Lennac Property, located in the Granisle area, British Columbia.

The surveying was conducted over 2 separate survey areas, utilizing the pole-dipole technique measuring the 1st to 6th separations utilizing a 100 metre dipole separation.

A total of 18 traverses were completed over the respective areas within the property for a total of some 46 kilometres of induced polarization surveying completed as illustrated in the table below.

Survey lines were positioned and established by line cutting crews under the direction of Riverside Resources Inc.

Grid	Number of Lines	Total KM	Survey Specifications
Lennac	13	34	100 m, n=1 to 6
Cougar	5	11.8	100 m, n=1 to 6
	18	45.8	

In addition to induced polarization surveying, horizontal positions of the line stations were measured a Garmin handheld GPS unit.

PROPERTY LOCATION AND ACCESS

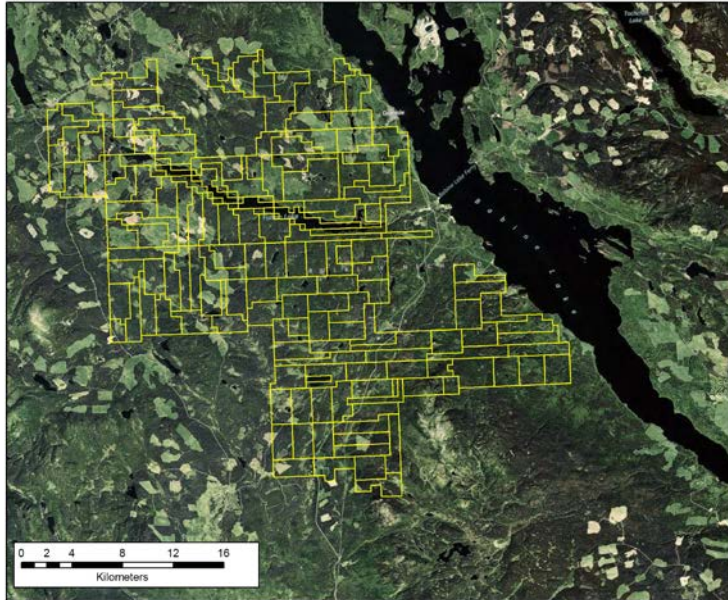
The survey was conducted in two separate areas some 20 kilometres south of the community of Granisle, British Columbia, where the crew was housed for the duration of the survey.

Access to the respective grid areas is gained by 4x4 vehicles by secondary roads emanating from Highway 118.

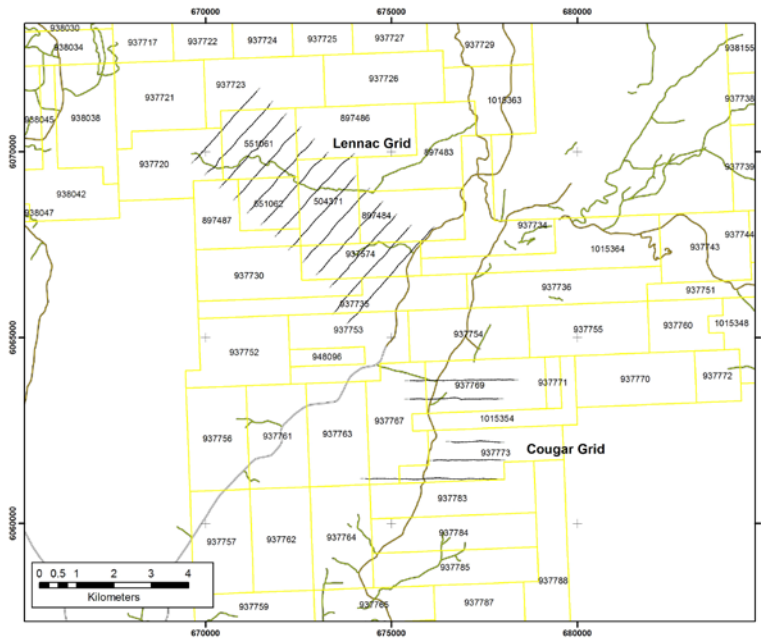


Property Location Map

PROPERTY LOCATION AND ACCESS con't



Claim Location Map



Grid Location Map

**Peter E. Walcott & Associates Limited
Geophysical Services**

**Induced Polarization Surveying
Riverside Resources Inc.
Lennac Project**

SURVEY SPECIFICATIONS.

The Induced Polarization Survey.

The induced polarization (IP) survey was conducted using a pulse type system, the principal components of which were manufactured by Hunttec Limited of Metropolitan Toronto, Canada, and Instrumentation GDD of Quebec, Canada.

The system consists basically of three units, a receiver (GDD), transmitter (Hunttec) and a motor generator (Honda). The transmitter, which provides a maximum of 5.0 kw d.c. to the ground, obtains its power from a 7.5 kw 60 c.p.s. alternator driven by a Honda 24 h.p. gasoline engine. The cycling rate of the transmitter is 2 seconds “current-on” and 2 seconds “current-off” with the pulses reversing continuously in polarity. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through the current electrodes C₁ and C₂, the primary voltages (V) appearing between any two potential electrodes, P₁ through P₅, during the “current-on” part of the cycle, and the apparent chargeability, (M_a) presented as a direct readout in millivolts per volt using a 200 millisecond delay and a 1000 millisecond sample window by the receiver, a digital receiver controlled by a micro-processor – the sample window is actually the total of twenty individual windows of 50 millisecond widths.

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

The majoring of the surveying was carried out using the “pole-dipole” method of surveying. In this method the current electrode, C₁, and the potential electrodes, P₁ through P₅, are moved in unison

SURVEY SPECIFICATIONS cont'd

along the survey lines at a spacing of “a” (the dipole) apart, while the second current electrode, C_2 , is kept constant at “infinity”. The distance, “na” between C_1 and the nearest potential electrode generally controls the depth to be explored by the particular separation, “n”, traverse. On this survey 100 and 200 metre dipole separations were utilized.

On this survey a total of some 46 kilometres of survey traverses was completed.

Horizontal control.

The horizontal positions of the stations were recorded using a Garmin GPSmap 60CSx.

Data Presentation.

The data are presented as individual pseudo section plots of apparent resistivity and apparent chargeability at a scale of 1:10,000 generated using Geosoft Oasis Montaj. Additional plan maps, of the 2nd and 5th separation are also presented.

APPENDIX

**Peter E. Walcott & Associates Limited
Geophysical Services**

**Induced Polarization Surveying
Riverside Resources Inc.
Lennac Project**

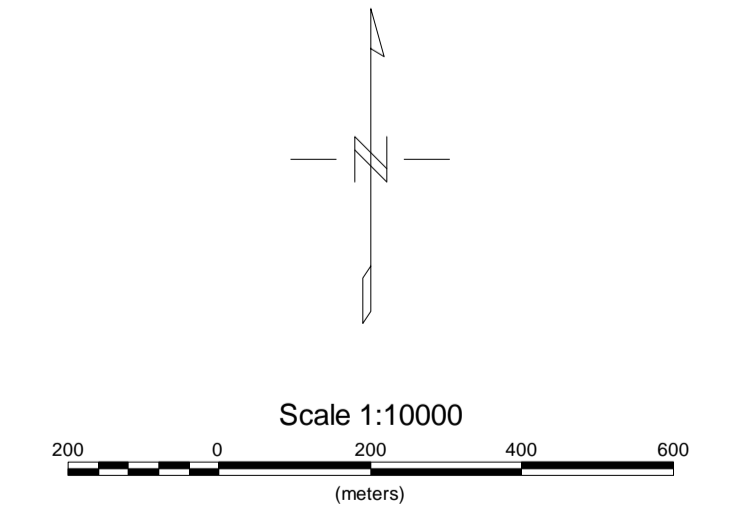
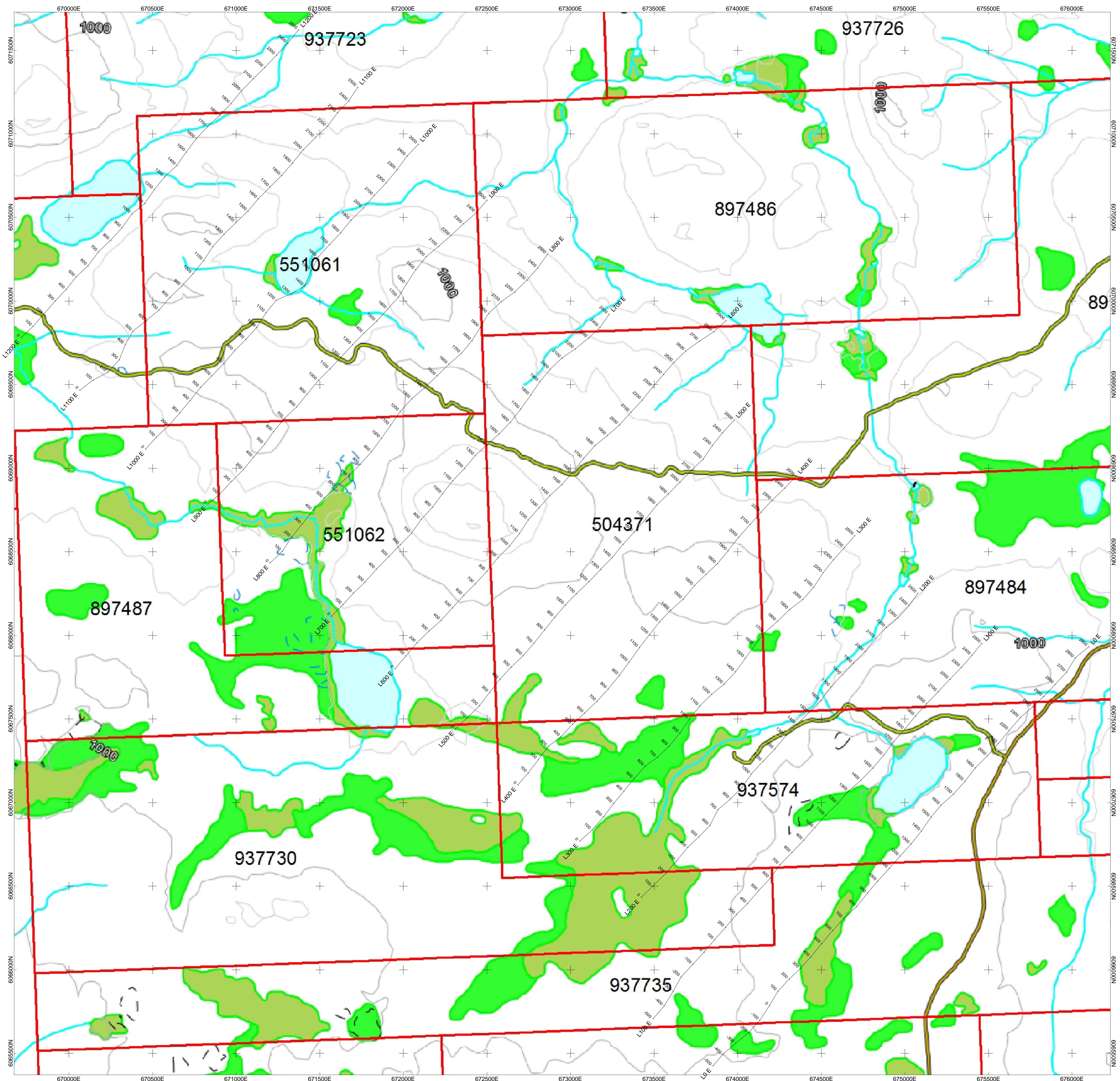
COST OF SURVEY

Peter E. Walcott & Associates Limited undertook the survey on a daily basis providing a six man crew, IP equipment, GPS, altimeters and a 4x4 truck at \$3650.00 per day. Fuel was billed at cost.

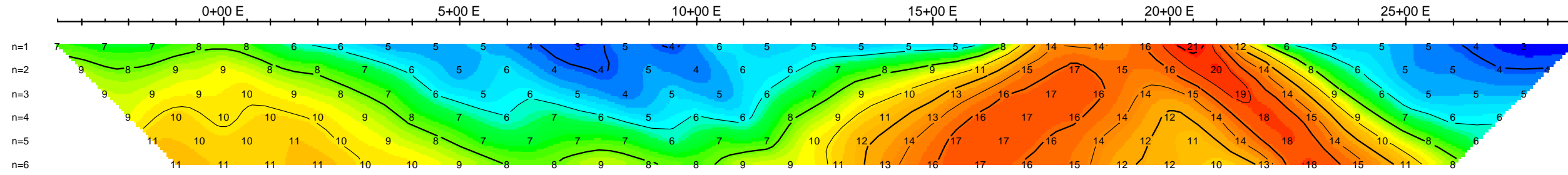
Thus the total cost of services provided was \$81,099.28

**Peter E. Walcott & Associates Limited
Geophysical Services**

**Induced Polarization Surveying
Riverside Resources Inc.
Lennac Project**



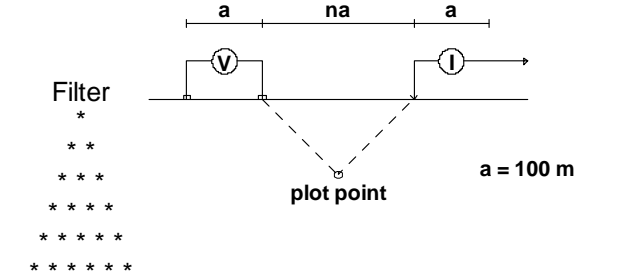
Average IP
mV/V



Average IP
mV/V

0+00 N

Dipole-Pole Array

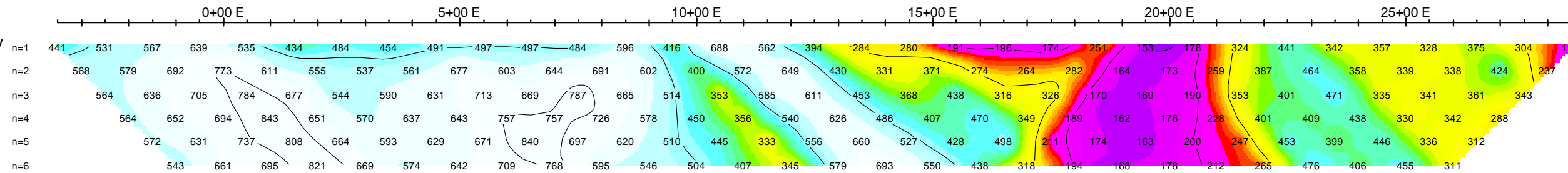


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

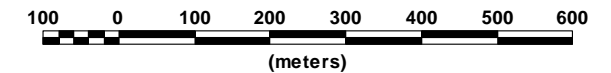
Logarithmic
Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

Scale 1:10000



RIVERSIDE RESOURCES INC.

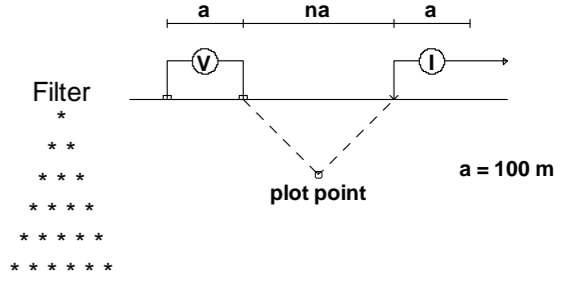
INDUCED POLARIZATION SURVEY
LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

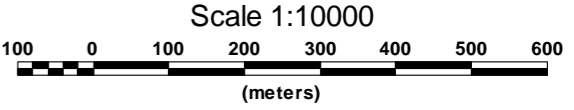
PETER E. WALCOTT & ASSOCIATES LIMITED

1+00 N

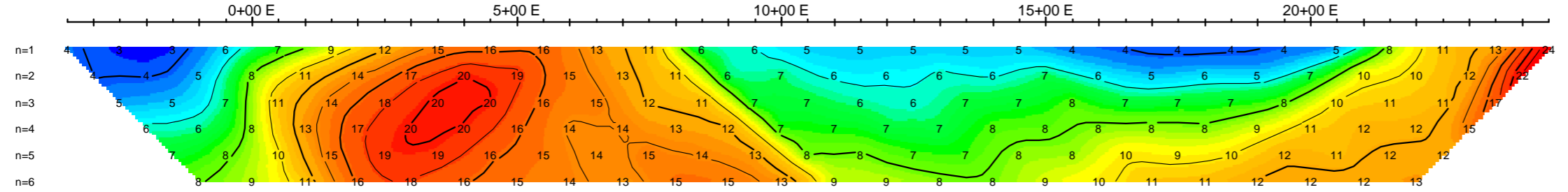
Dipole-Pole Array



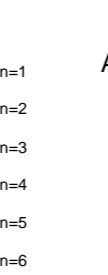
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 Frequency: 0.125 Hz.
 Operators: M.M., C.P.
 Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...



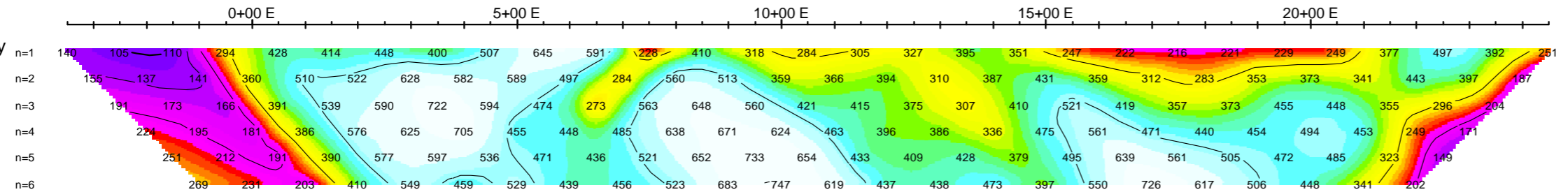
Average IP
mV/V



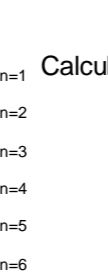
Average IP
mV/V



Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m



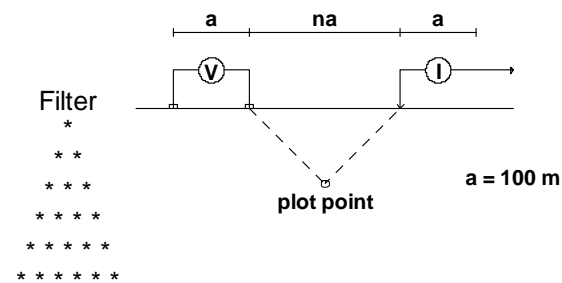
RIVERSIDE RESOURCES INC.
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2+00 N

Dipole-Pole Array

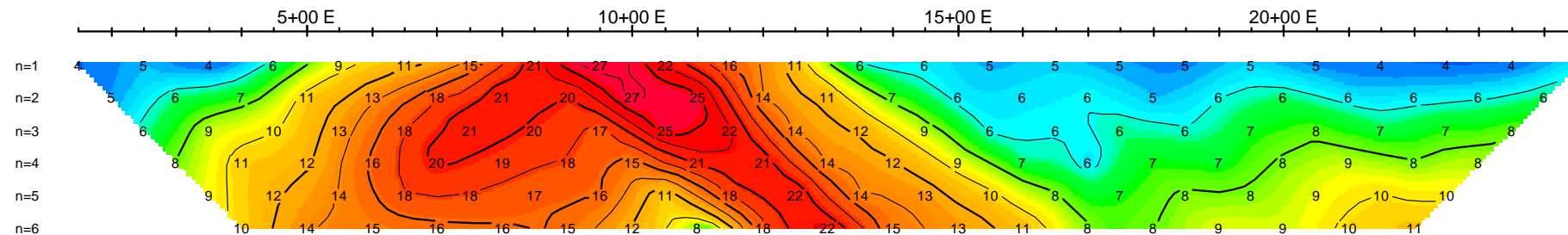


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

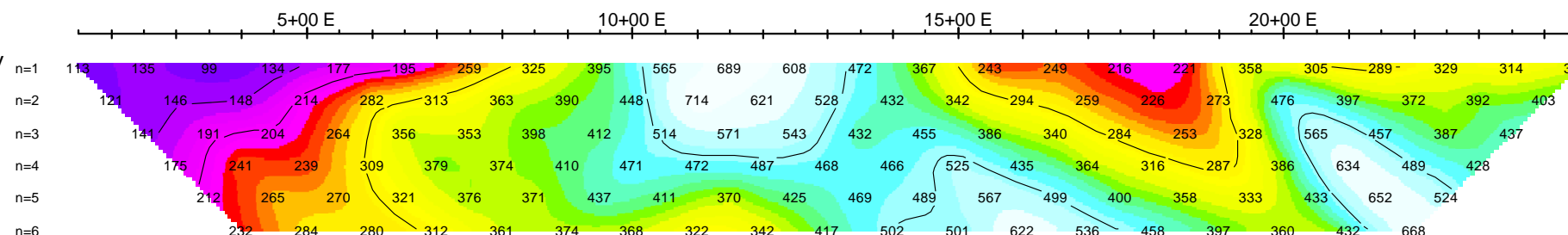
Average IP
mV/V



Average IP
mV/V

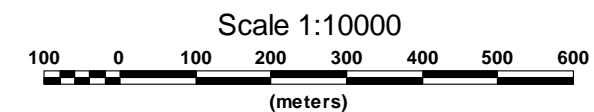
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n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6



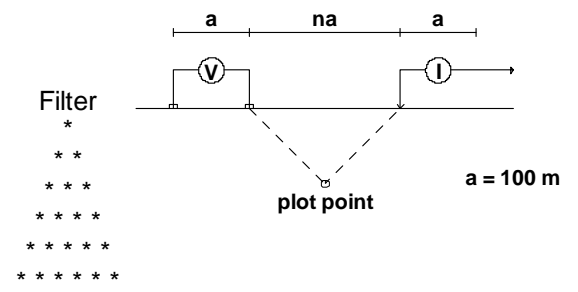
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Date: JULY-AUGUST 2012

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3+00 N

Dipole-Pole Array

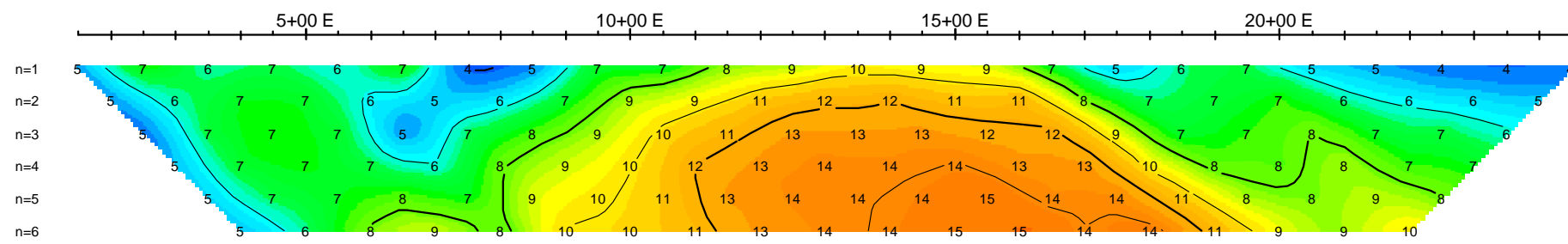


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

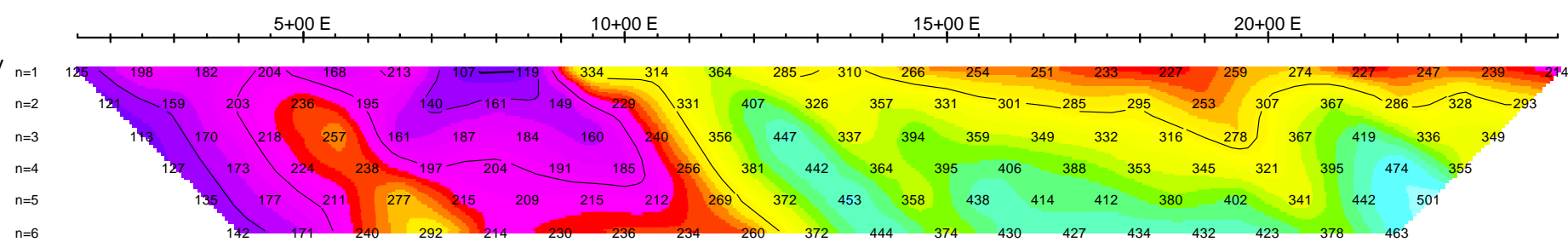
Average IP
mV/V



Average IP
mV/V

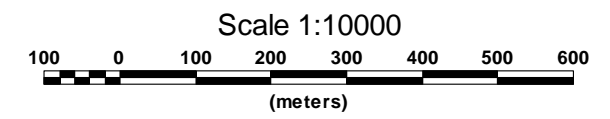
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n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6



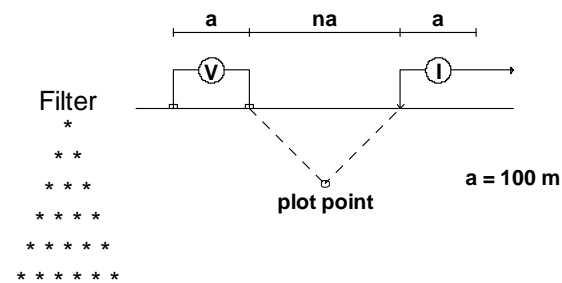
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LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

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4+00 N

Dipole-Pole Array

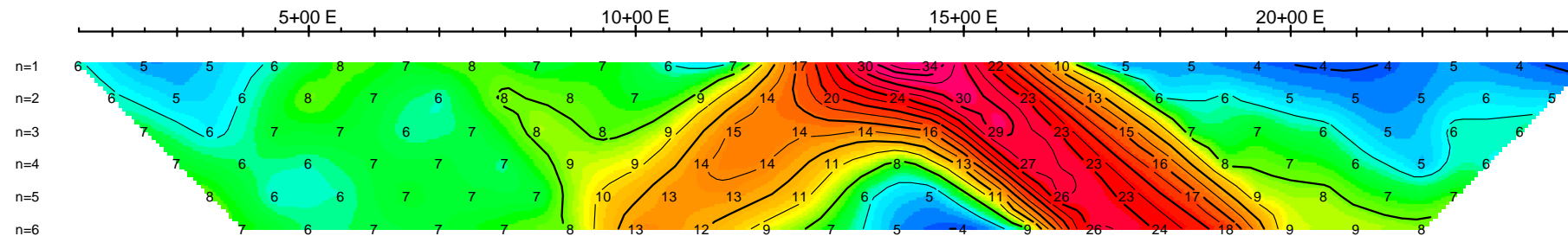


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

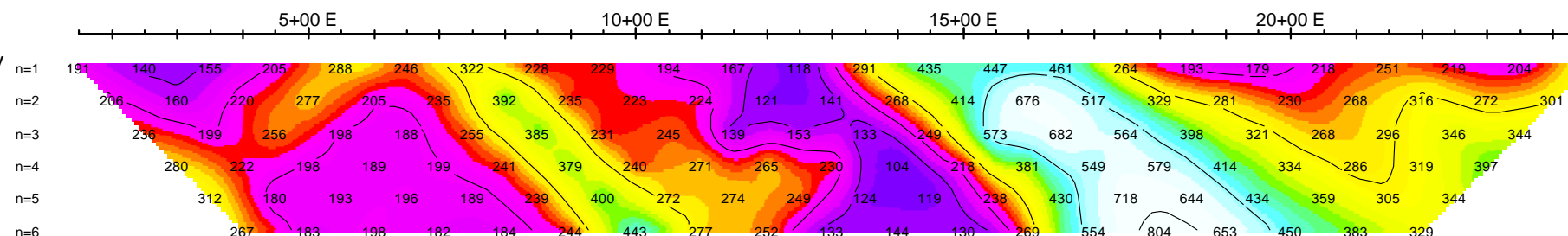
Average IP
mV/V



Average IP
mV/V

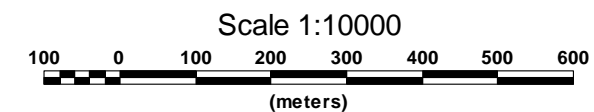
n=1
n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6



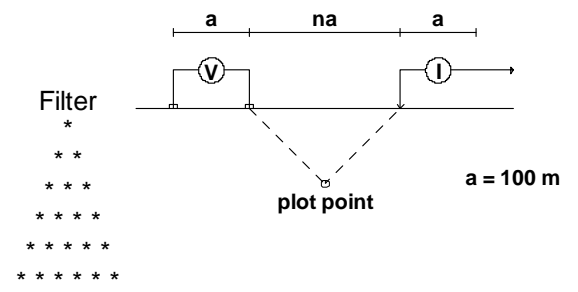
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GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

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5+00 N

Dipole-Pole Array

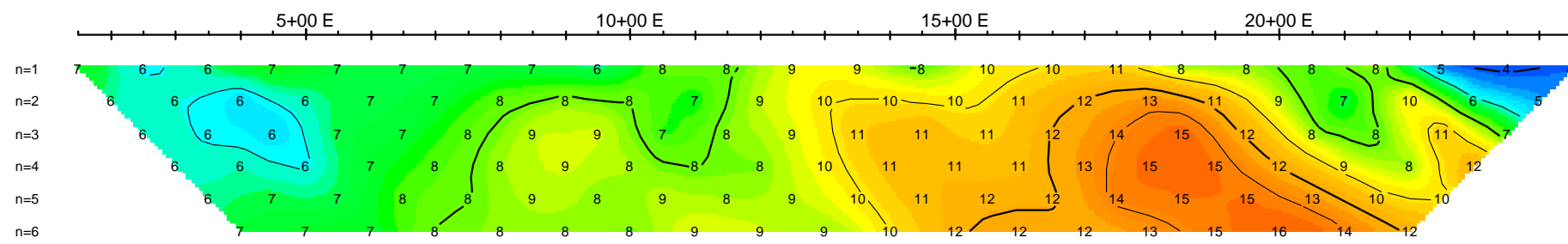


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

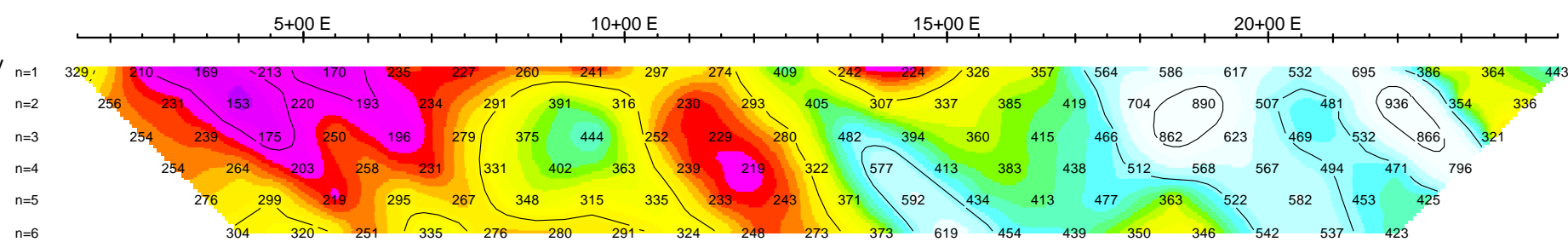
Average IP
mV/V



Average IP
mV/V

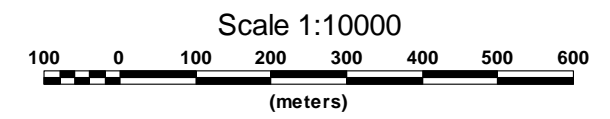
n=1
n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6



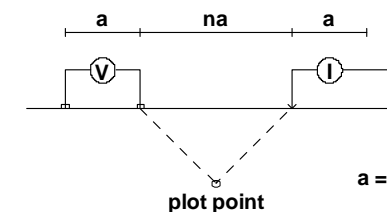
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LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

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6+00 N

Dipole-Pole Array



Filter
*
* *
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* * * * * *
* * * * * * *

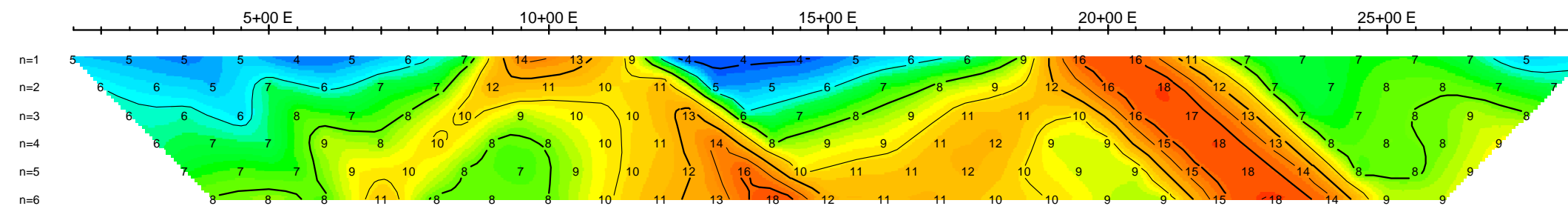
a = 100 m

Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

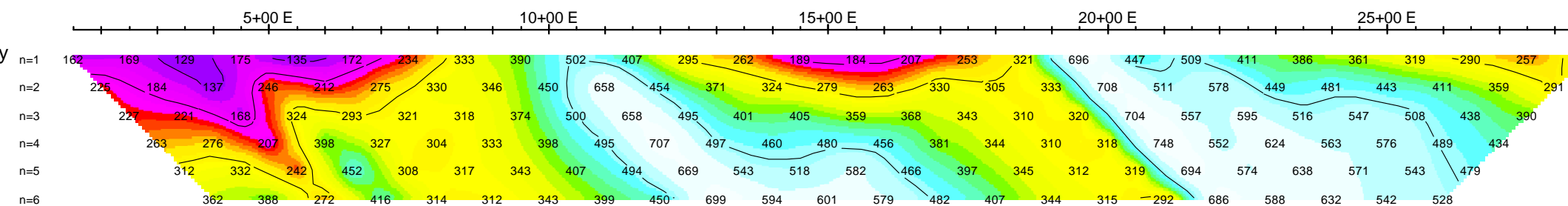
Average IP
mV/V



Average IP
mV/V

n=1
n=2
n=3
n=4
n=5
n=6

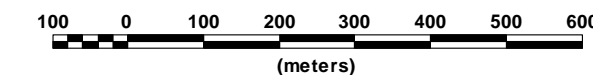
Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6

Scale 1:10000



RIVERSIDE RESOURCES INC.

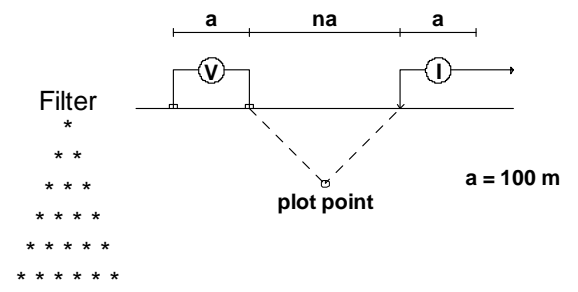
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PETER E. WALCOTT & ASSOCIATES LIMITED

7+00 N

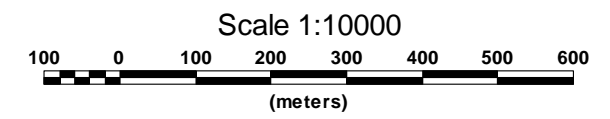
Dipole-Pole Array



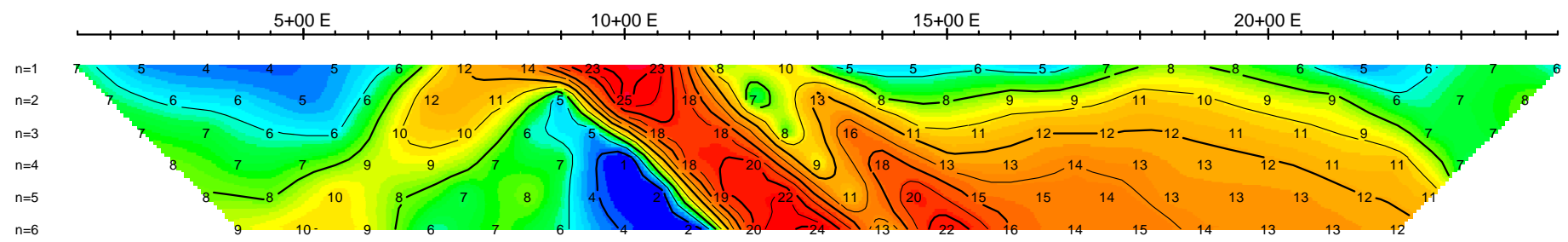
Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

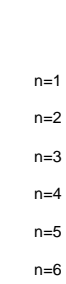
Logarithmic
Contours: 1.5, 2, 3, 5, 7.5, 10,...



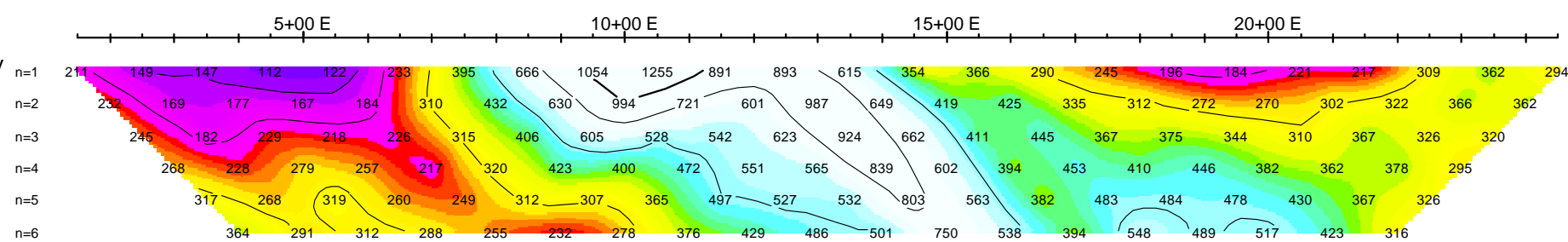
Average IP
mV/V



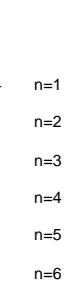
Average IP
mV/V



Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m



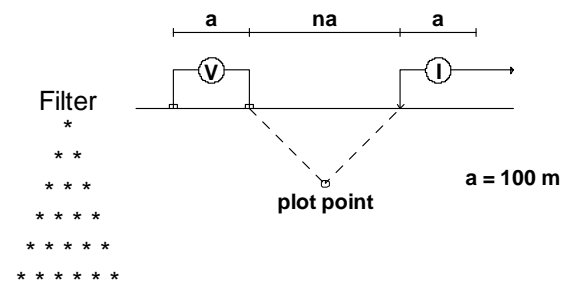
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LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

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8+00 N

Dipole-Pole Array

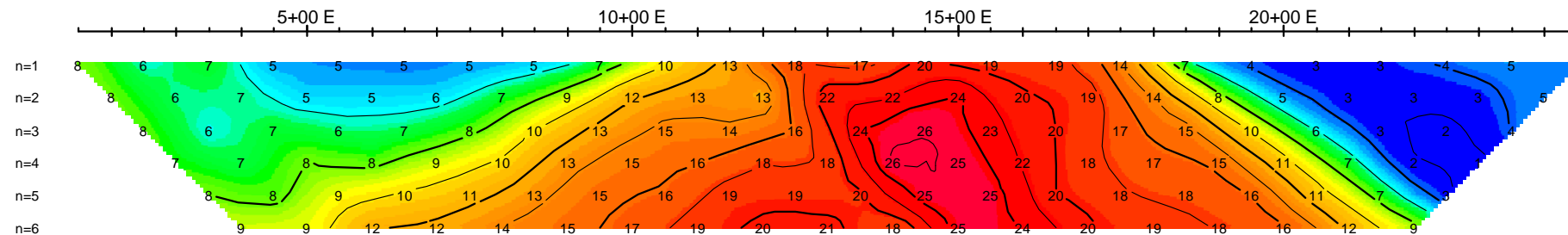


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

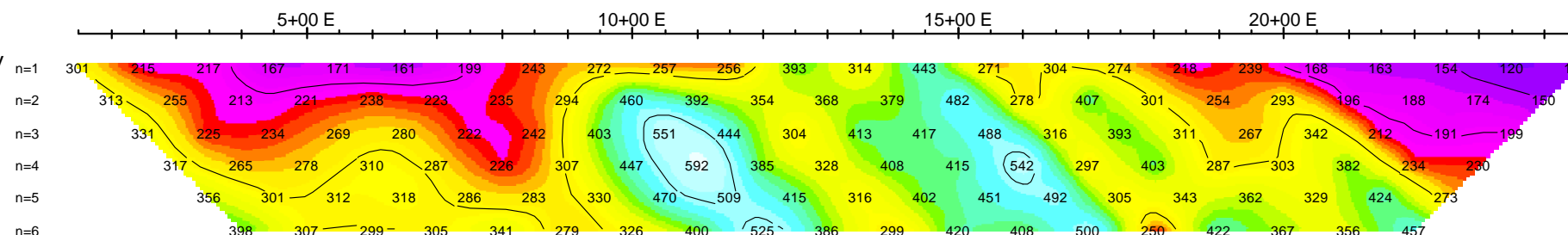
Average IP
mV/V



Average IP
mV/V

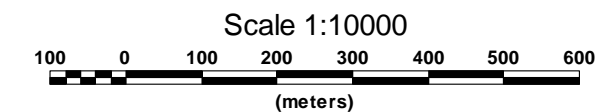
n=1
n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6



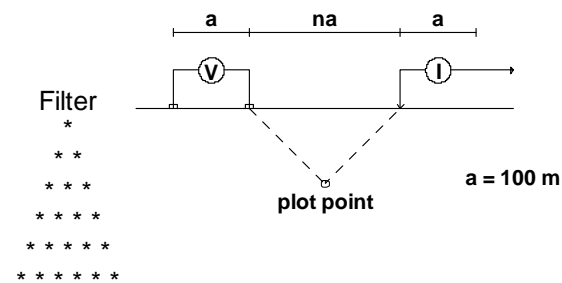
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
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GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED

9+00 N

Dipole-Pole Array

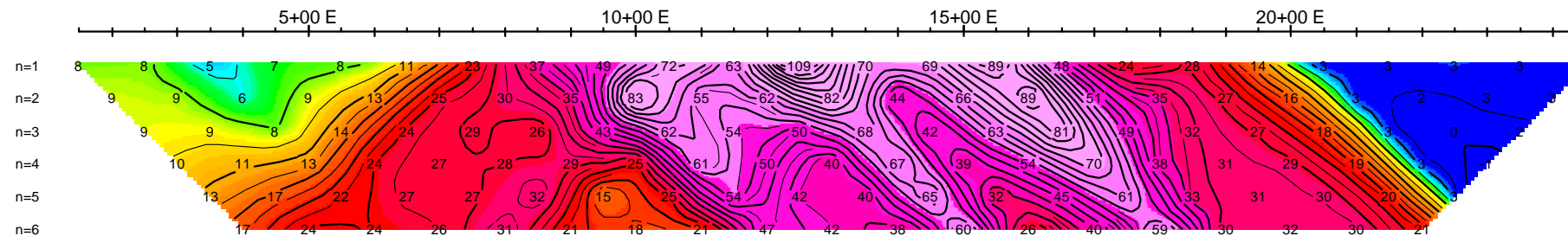


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

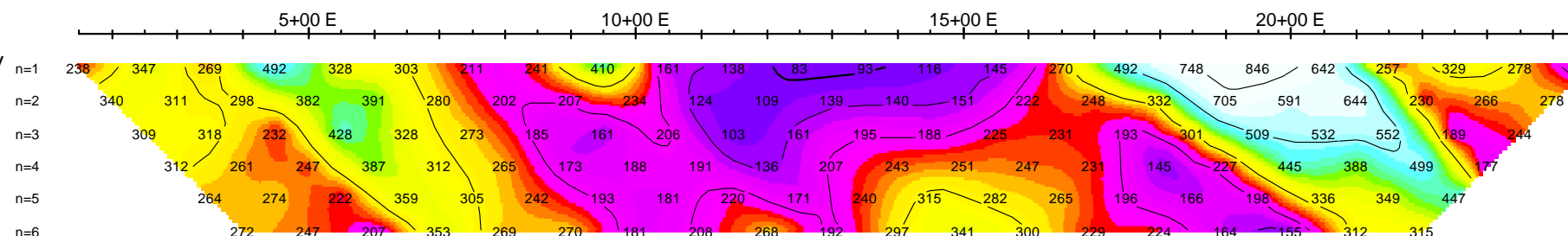
Average IP
mV/V



Average IP
mV/V

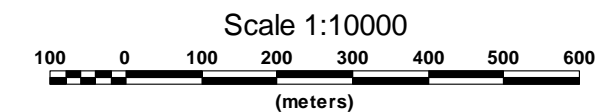
n=1
n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6



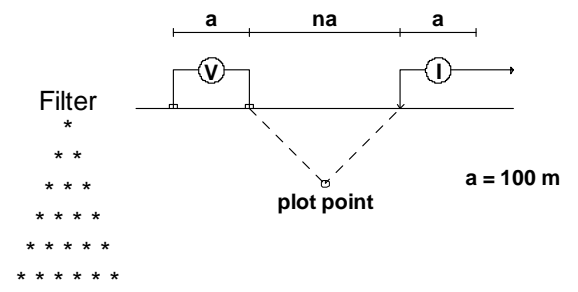
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

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10+00 N

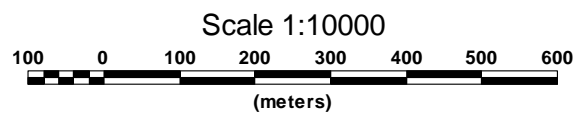
Dipole-Pole Array



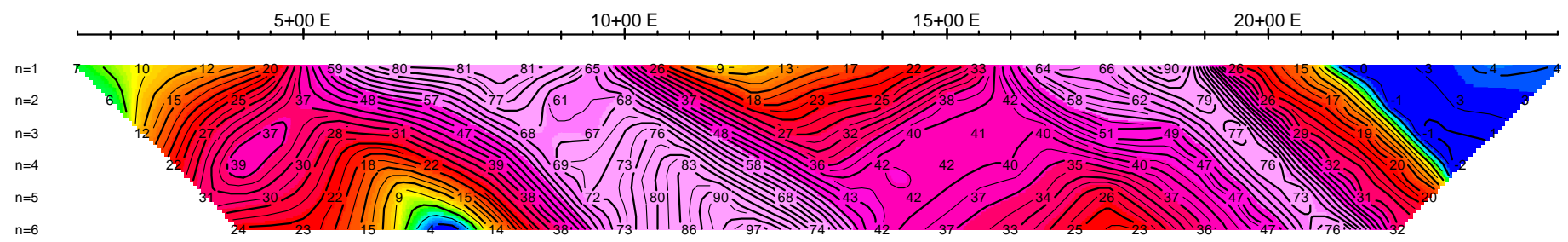
Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

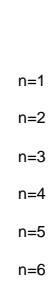
Logarithmic
Contours: 1.5, 2, 3, 5, 7.5, 10,...



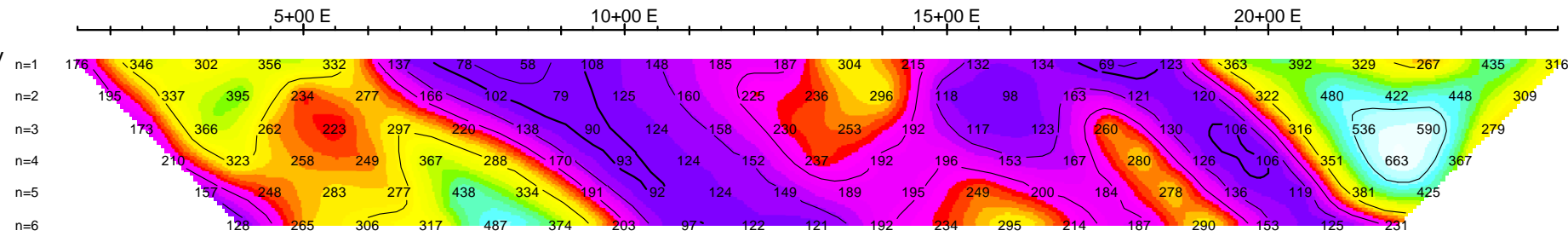
Average IP
mV/V



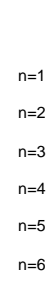
Average IP
mV/V



Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m



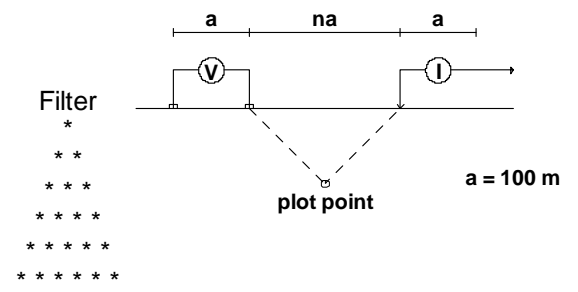
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED

11+00 N

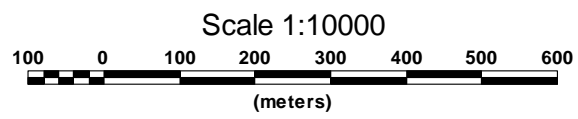
Dipole-Pole Array



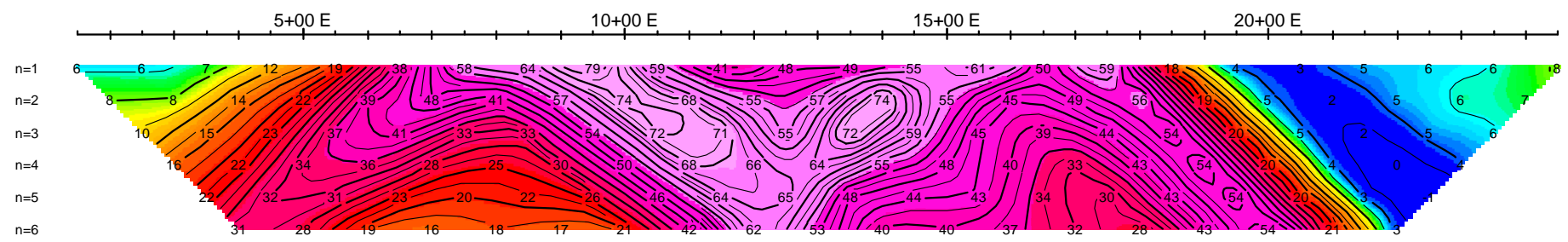
Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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



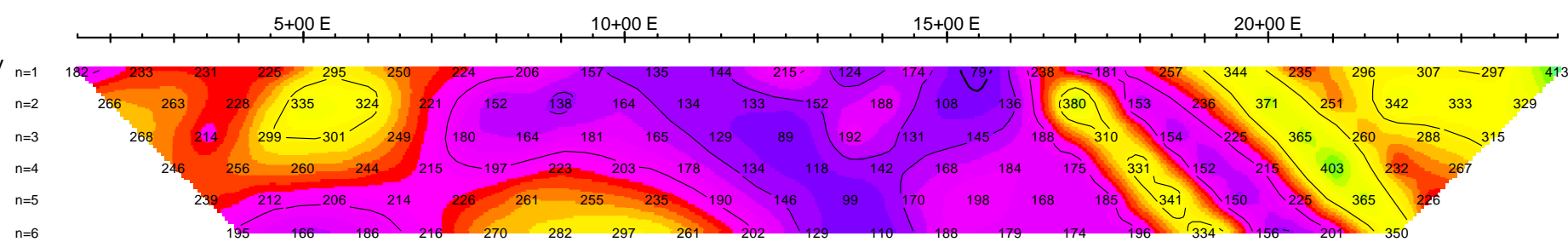
Average IP
mV/V



Average IP
mV/V

n=1
n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6

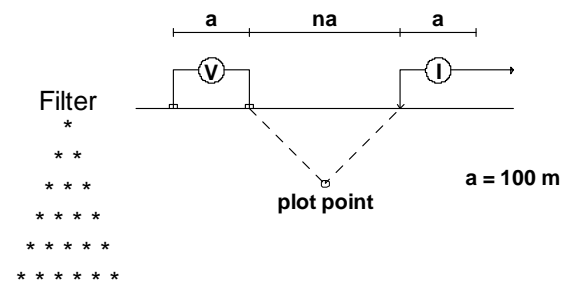
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED

12+00 N

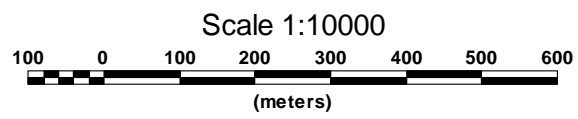
Dipole-Pole Array



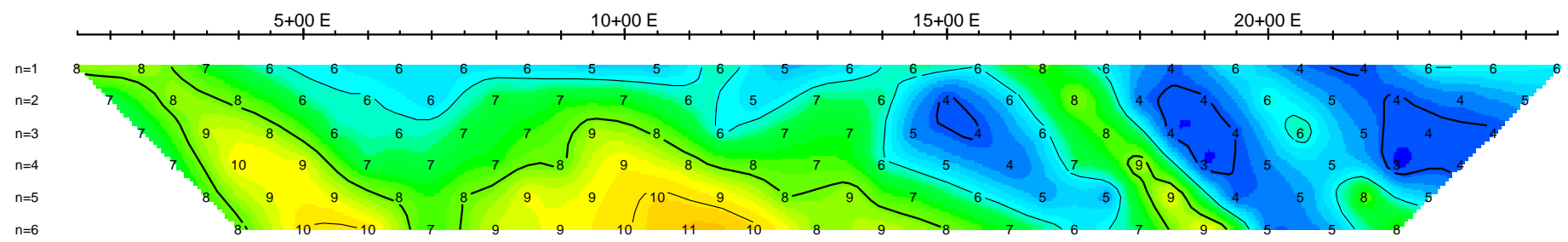
Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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



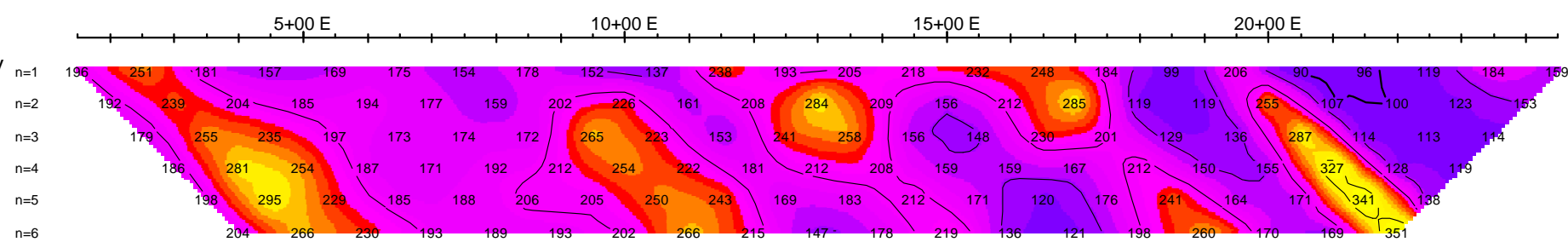
Average IP
mV/V



Average IP
mV/V

n=1
n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



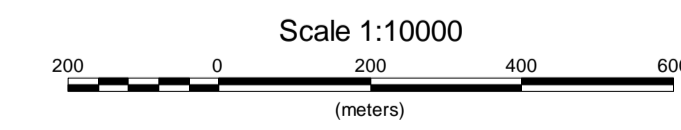
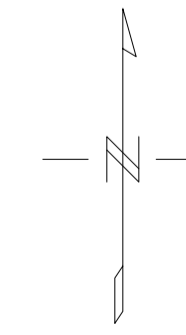
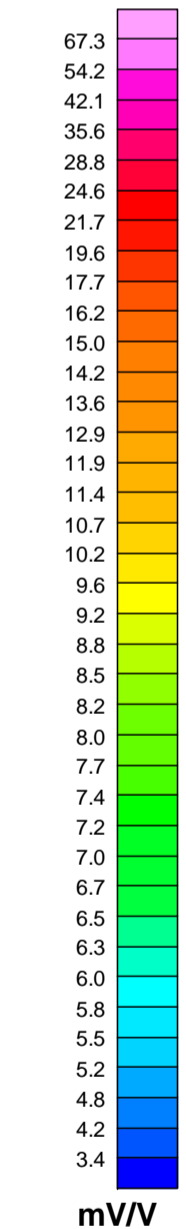
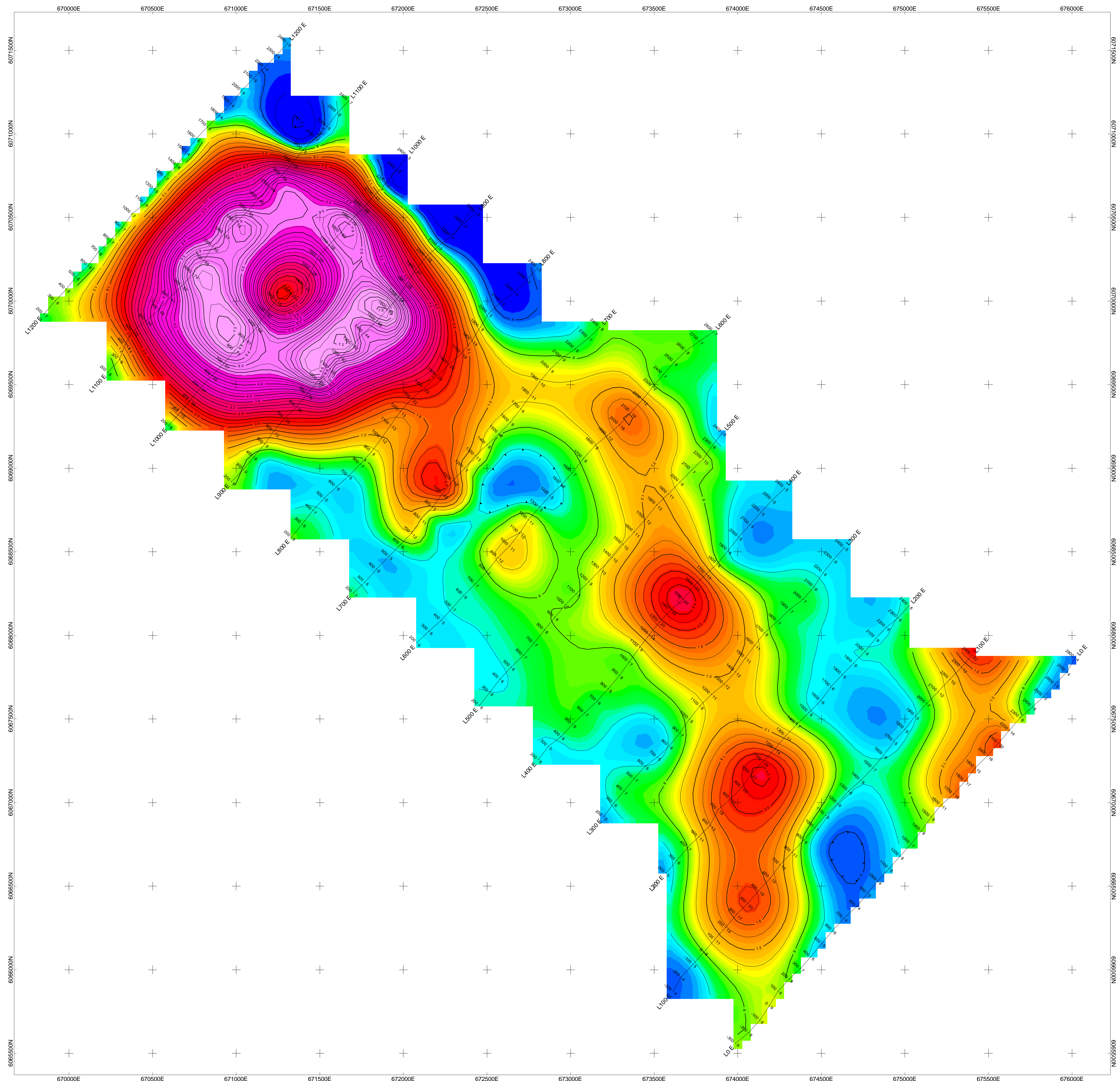
Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6

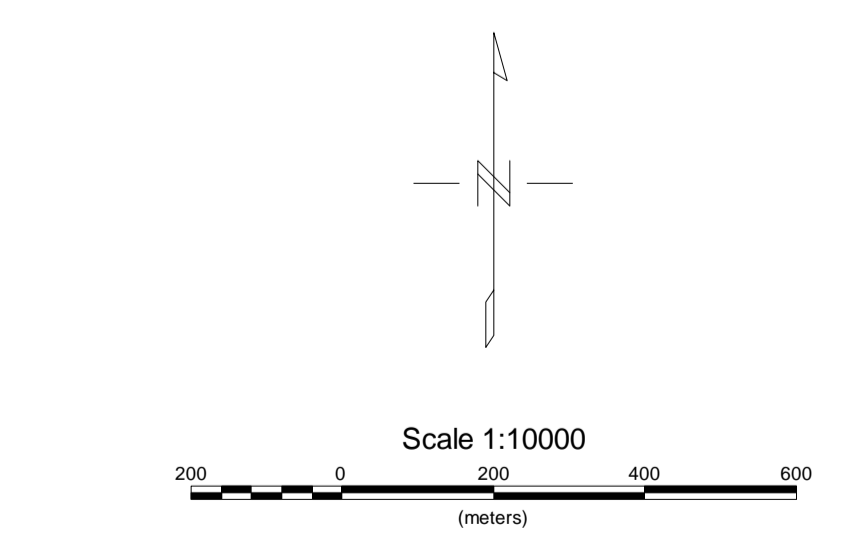
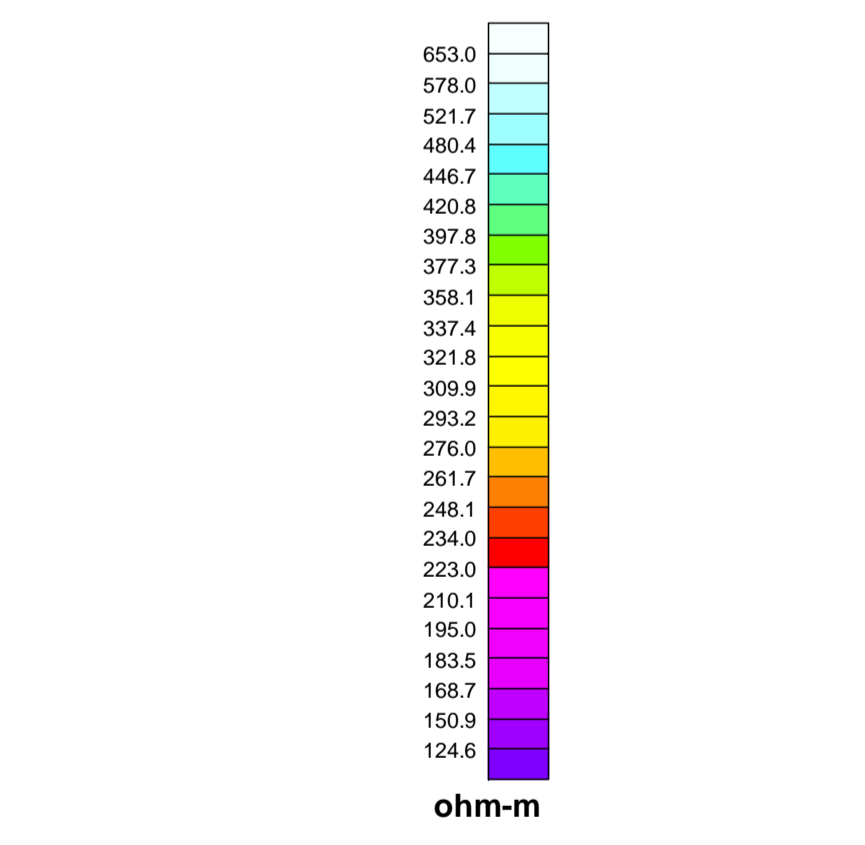
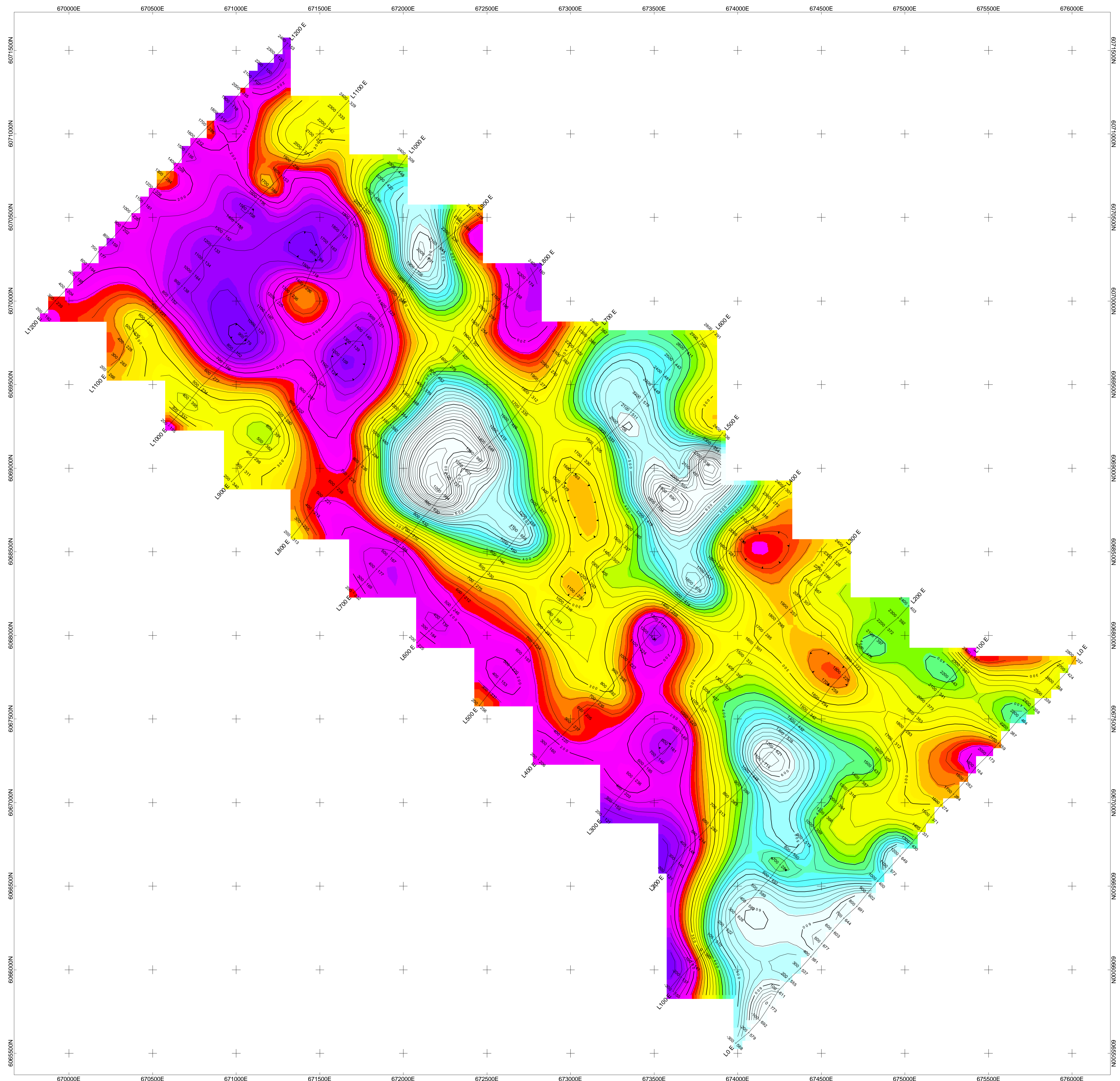
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

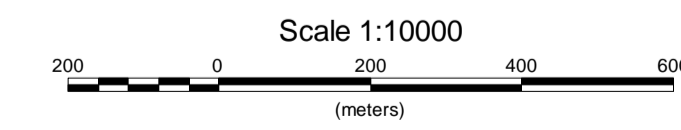
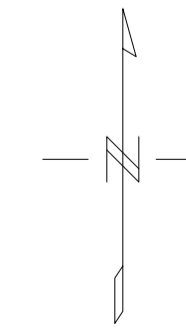
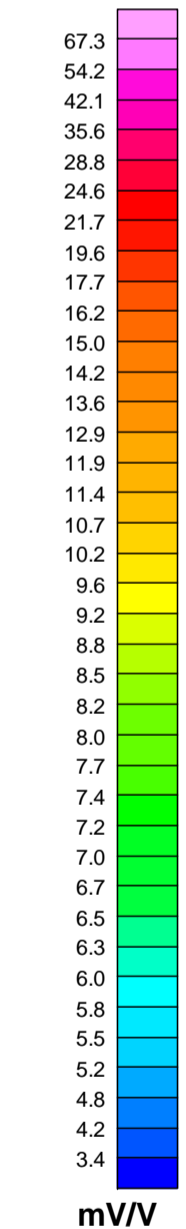
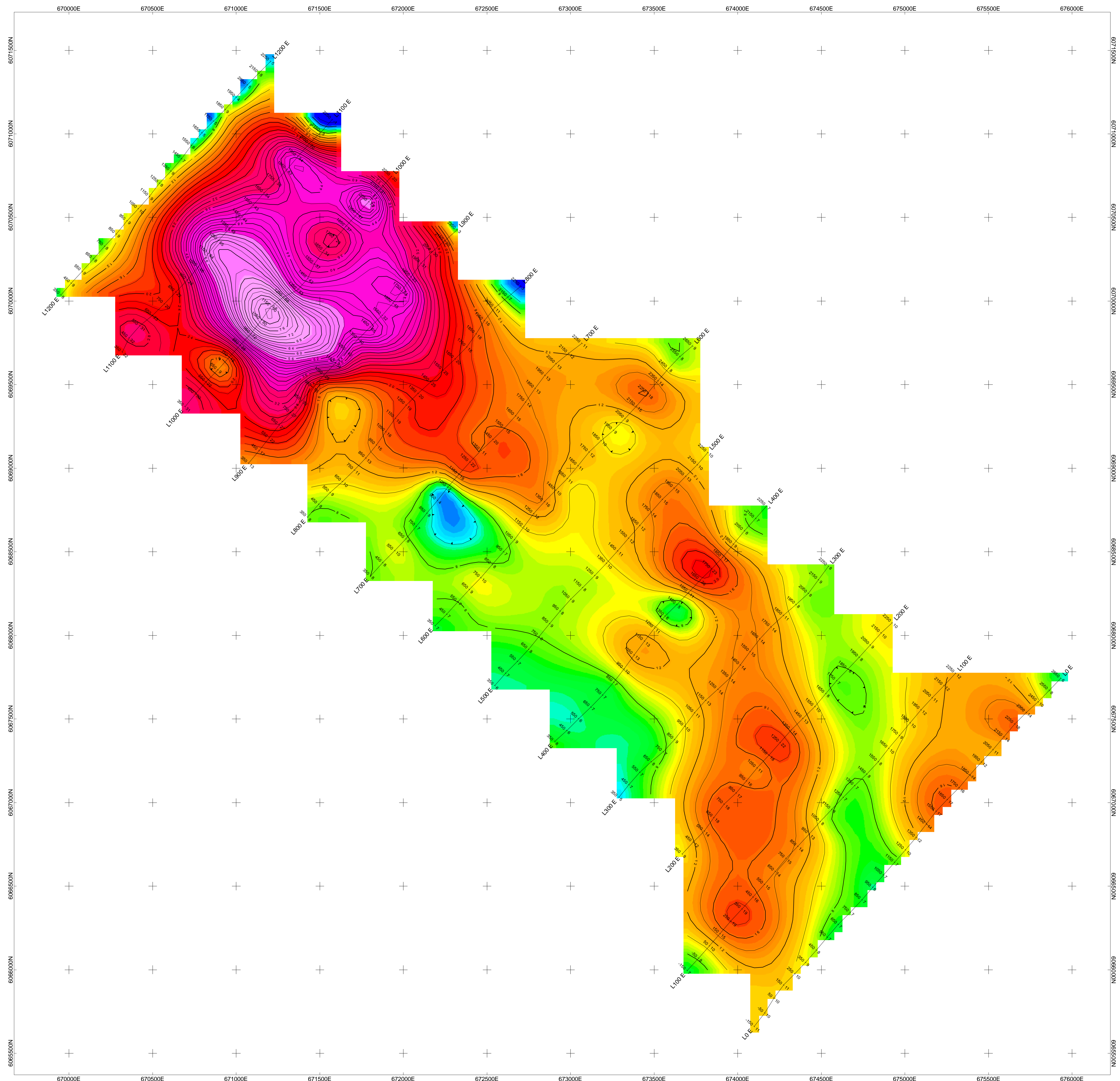
PETER E. WALCOTT & ASSOCIATES LIMITED



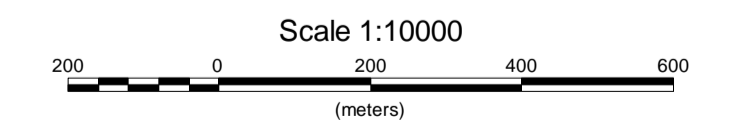
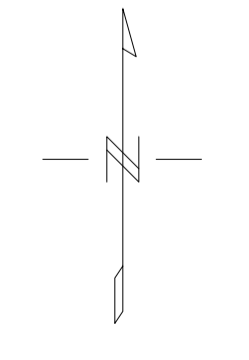
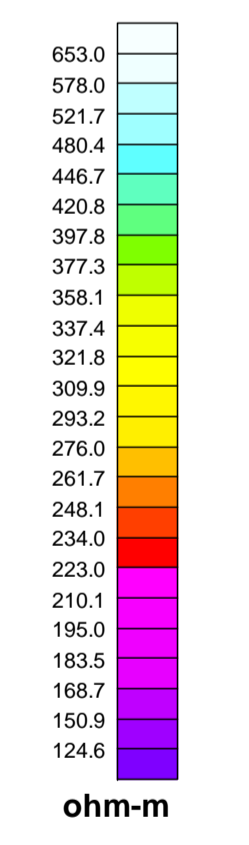
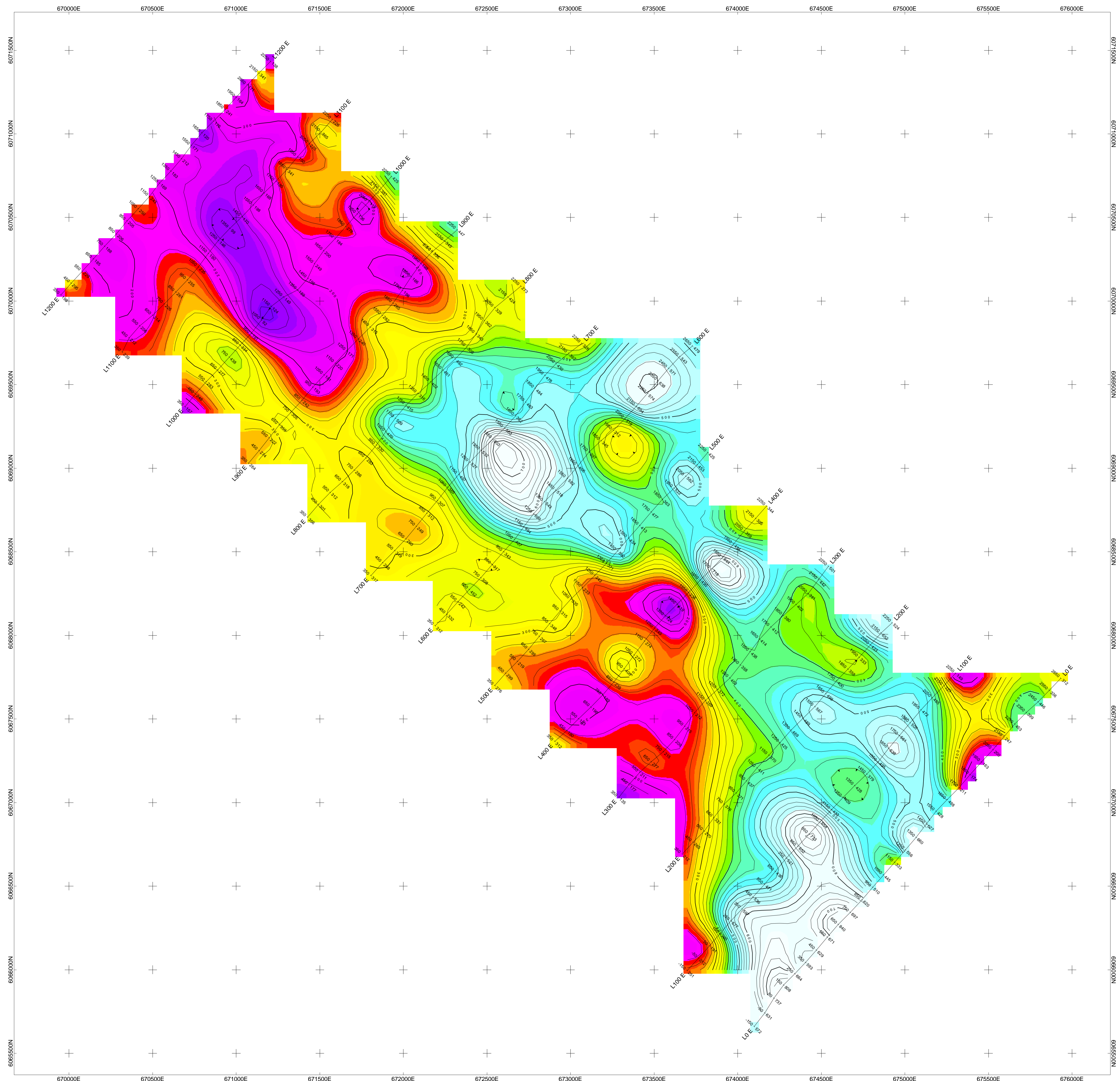
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT CHARGEABILITY (mV/V)
N=2
 LENNAC PROJECT
 GRANISLE AREA
 SUMMER 2012
PETER E. WALCOTT & ASSOCIATES LIMITED



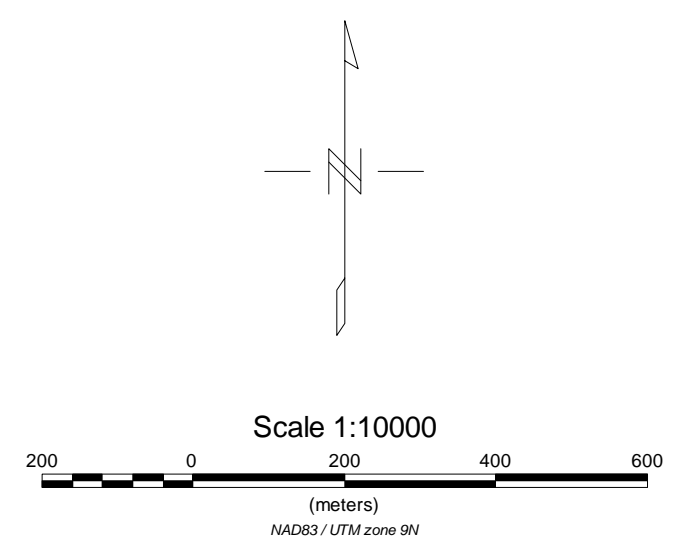
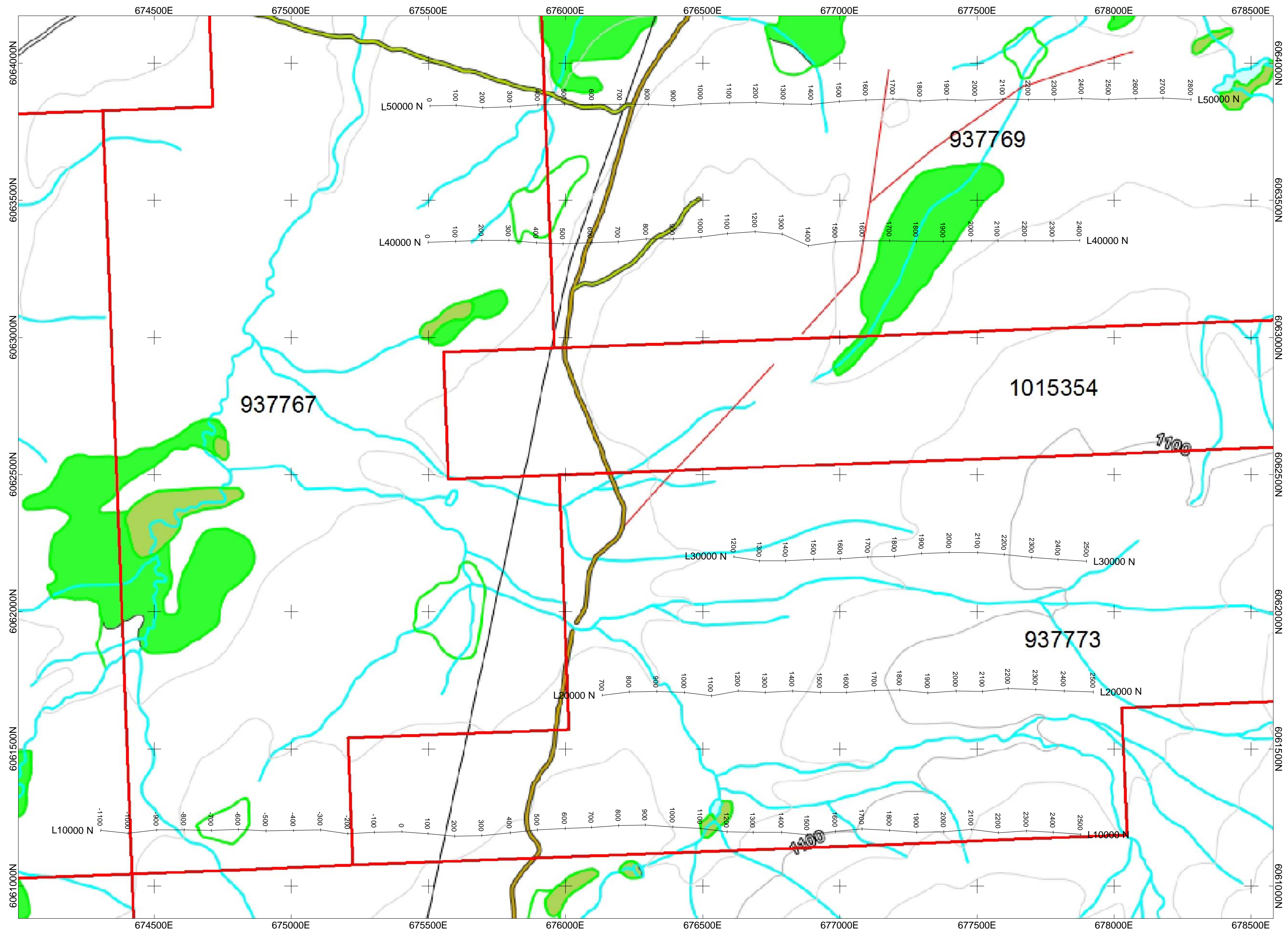
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT RESISTIVITY (ohm-m)
N=2
 LENNAC PROJECT
 GRANISLE AREA
 SUMMER 2012
PETER E. WALCOTT & ASSOCIATES LIMITED



RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT CHARGEABILITY (mV/V)
N=5
 LENAAC PROJECT
 GRANISLE AREA
 SUMMER 2012
PETER E. WALCOTT & ASSOCIATES LIMITED



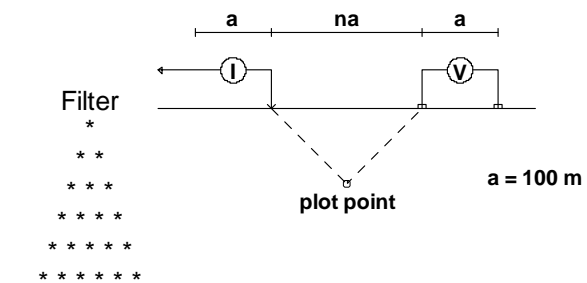
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT RESISTIVITY (ohm-m)
N=5
 LENNAC PROJECT
 GRANISLE AREA
 SUMMER 2012
PETER E. WALCOTT & ASSOCIATES LIMITED



RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
LINE LOCATION MAP
COUGAR GRID LENNAC PROPERTY GRANISLE AREA, BRITISH COLUMBIA JULY-AUGUST 2012
PETER E. WALCOTT & ASSOCIATES LIMITED

100+00 N

Pole-Dipole Array

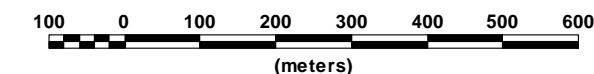


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

Scale 1:10000



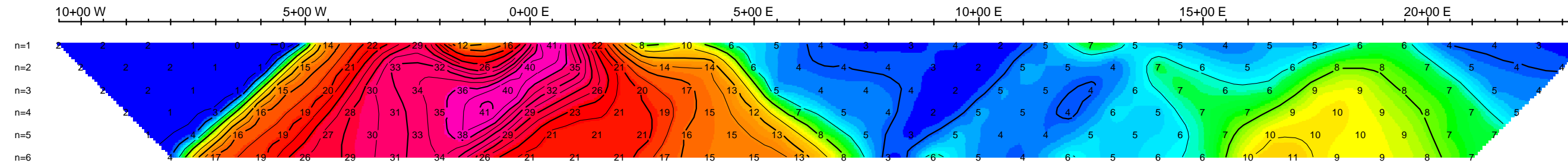
RIVERSIDE RESOURCES INC.

INDUCED POLARIZATION SURVEY
COUGAR GRID, LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

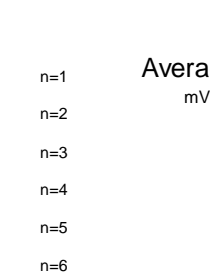
Date: JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED

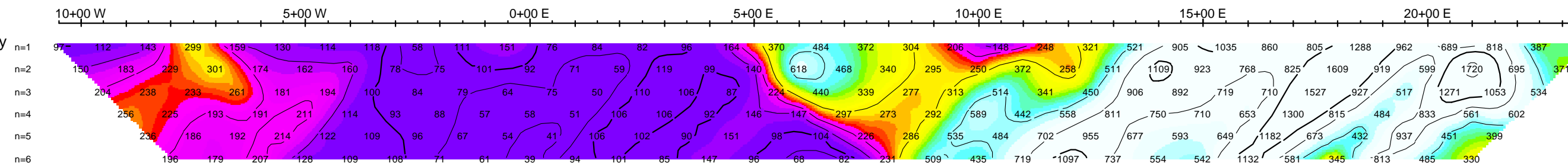
Average IP
mV/V



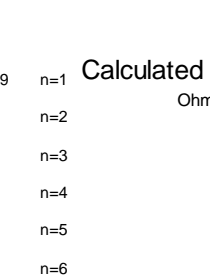
Average IP
mV/V



Calculated Resistivity
Ohm*m

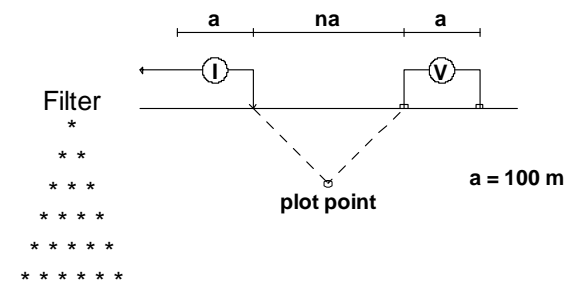


Calculated Resistivity
Ohm*m



200+00 N

Pole-Dipole Array

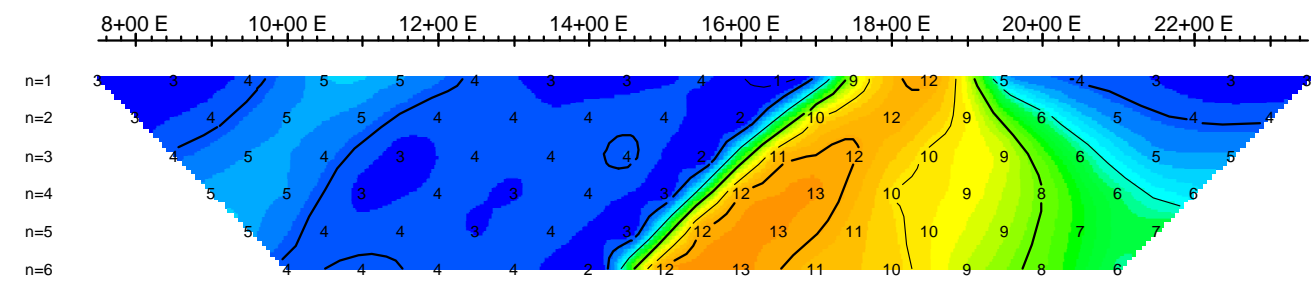


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

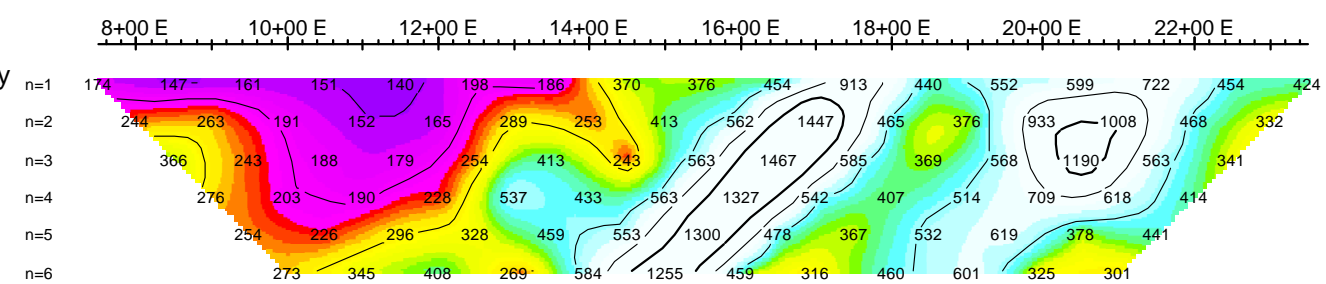
Average IP
mV/V



Average IP
mV/V

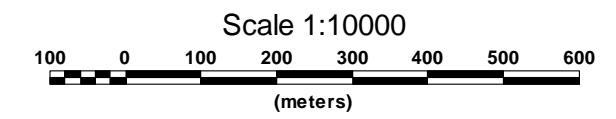
n=1
n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6

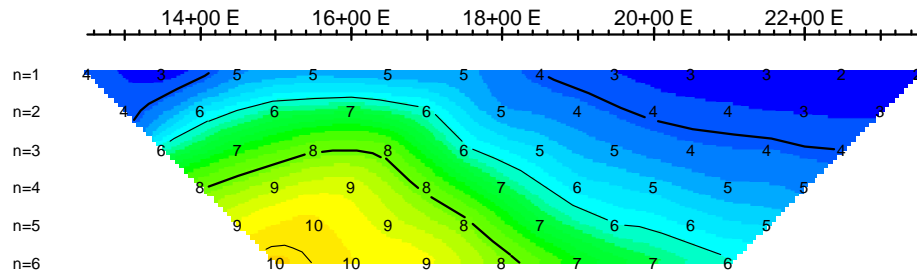


RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
COUGAR GRID, LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED

Average IP
mV/V

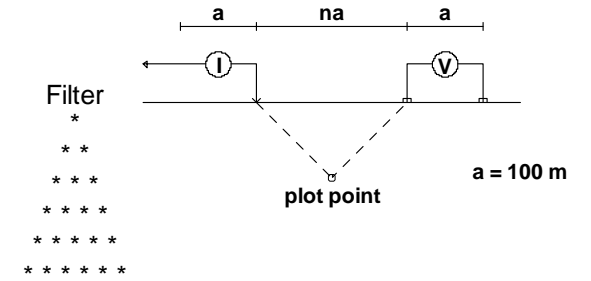


Average IP
mV/V

n=1
n=2
n=3
n=4
n=5
n=6

300+00 N

Pole-Dipole Array

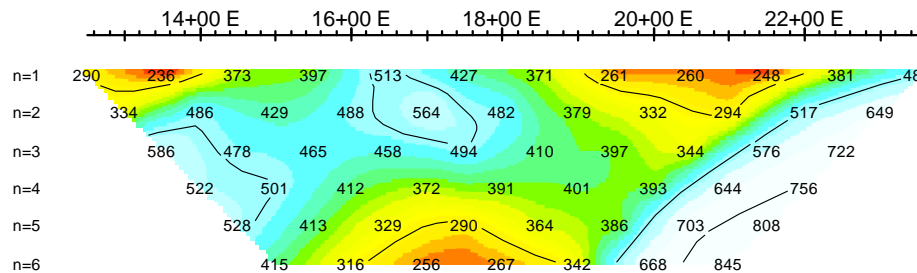


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

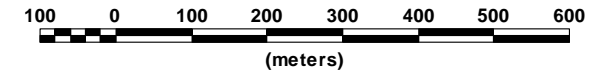
Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6

Scale 1:10000



RIVERSIDE RESOURCES INC.

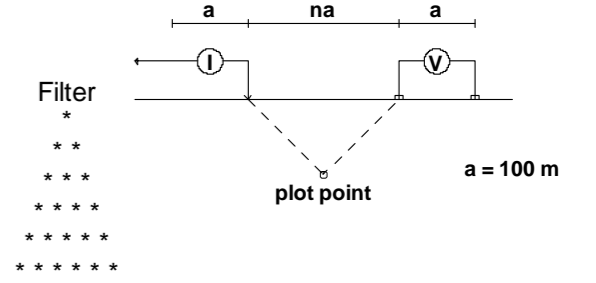
INDUCED POLARIZATION SURVEY
COUGAR GRID, LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED

400+00 N

Pole-Dipole Array

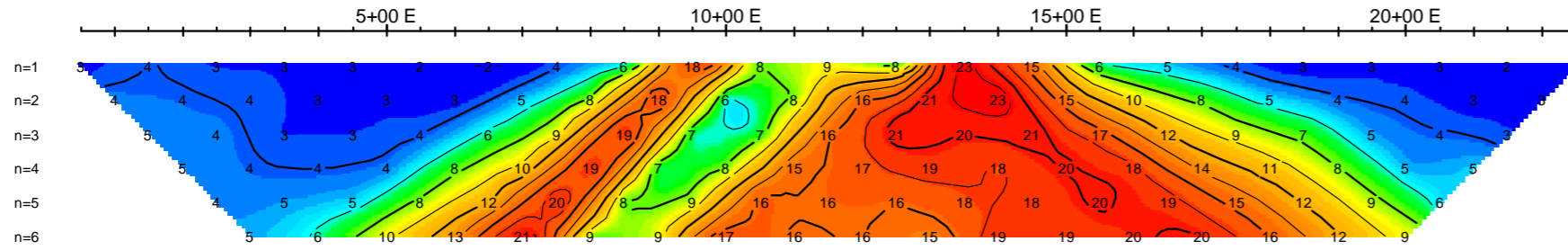


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

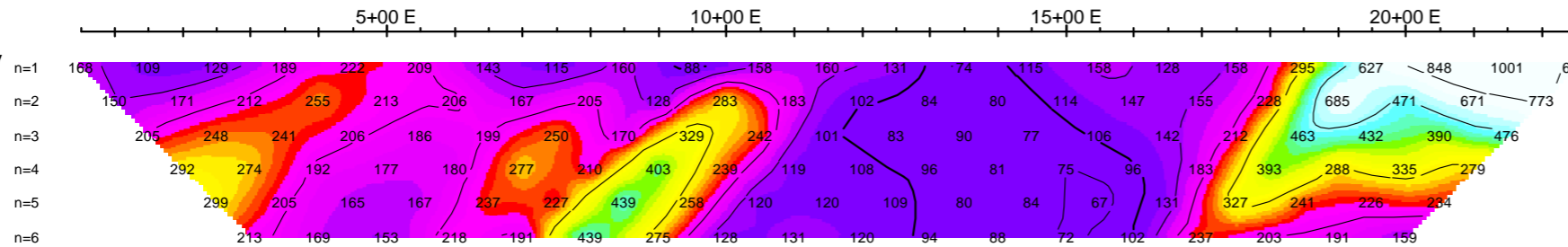
Average IP
mV/V



Average IP
mV/V

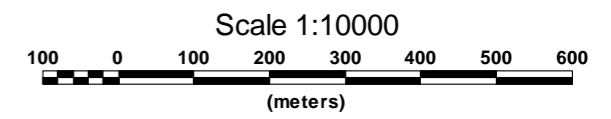
n=1
n=2
n=3
n=4
n=5
n=6

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

n=1
n=2
n=3
n=4
n=5
n=6

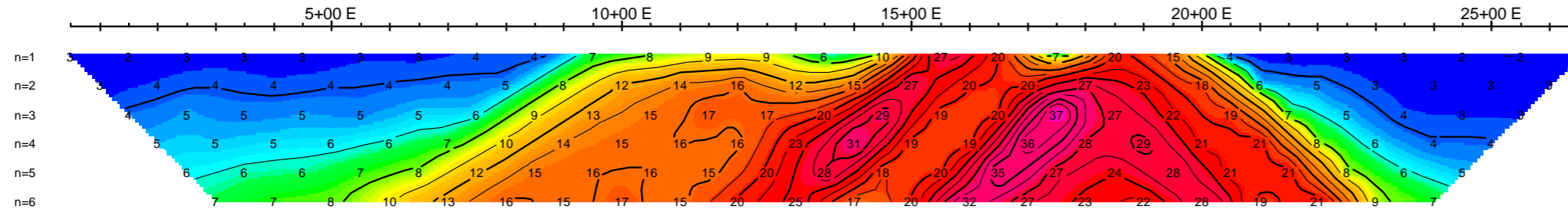


RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
COUGAR GRID, LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

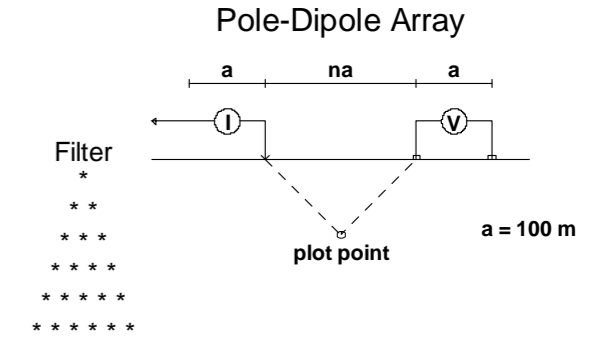
Date: JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED

Average IP
mV/V



Average IP
mV/V

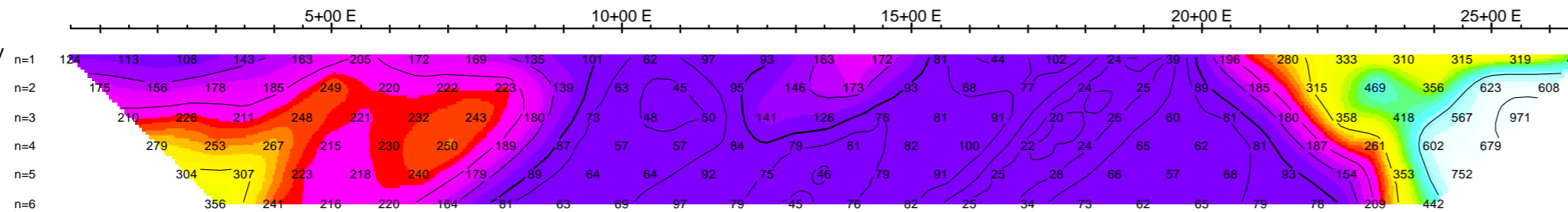


Instruments: HUNTEC 7.5KW Tx, GDD GRX8 Rx

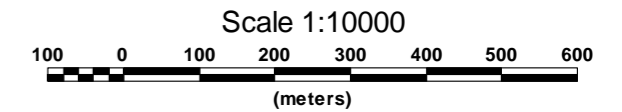
Frequency: 0.125 Hz.
Operators: M.M., C.P.

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

Calculated Resistivity
Ohm*m



Calculated Resistivity
Ohm*m

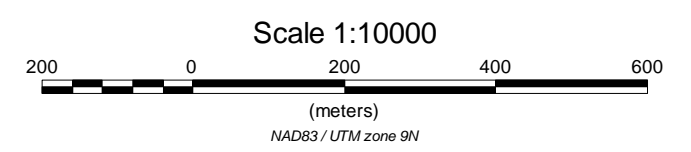
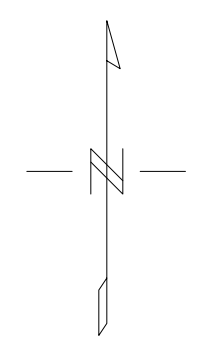
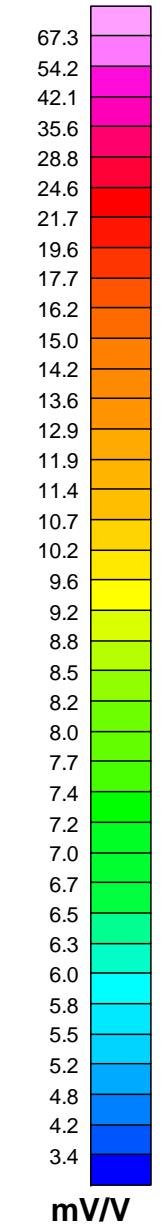
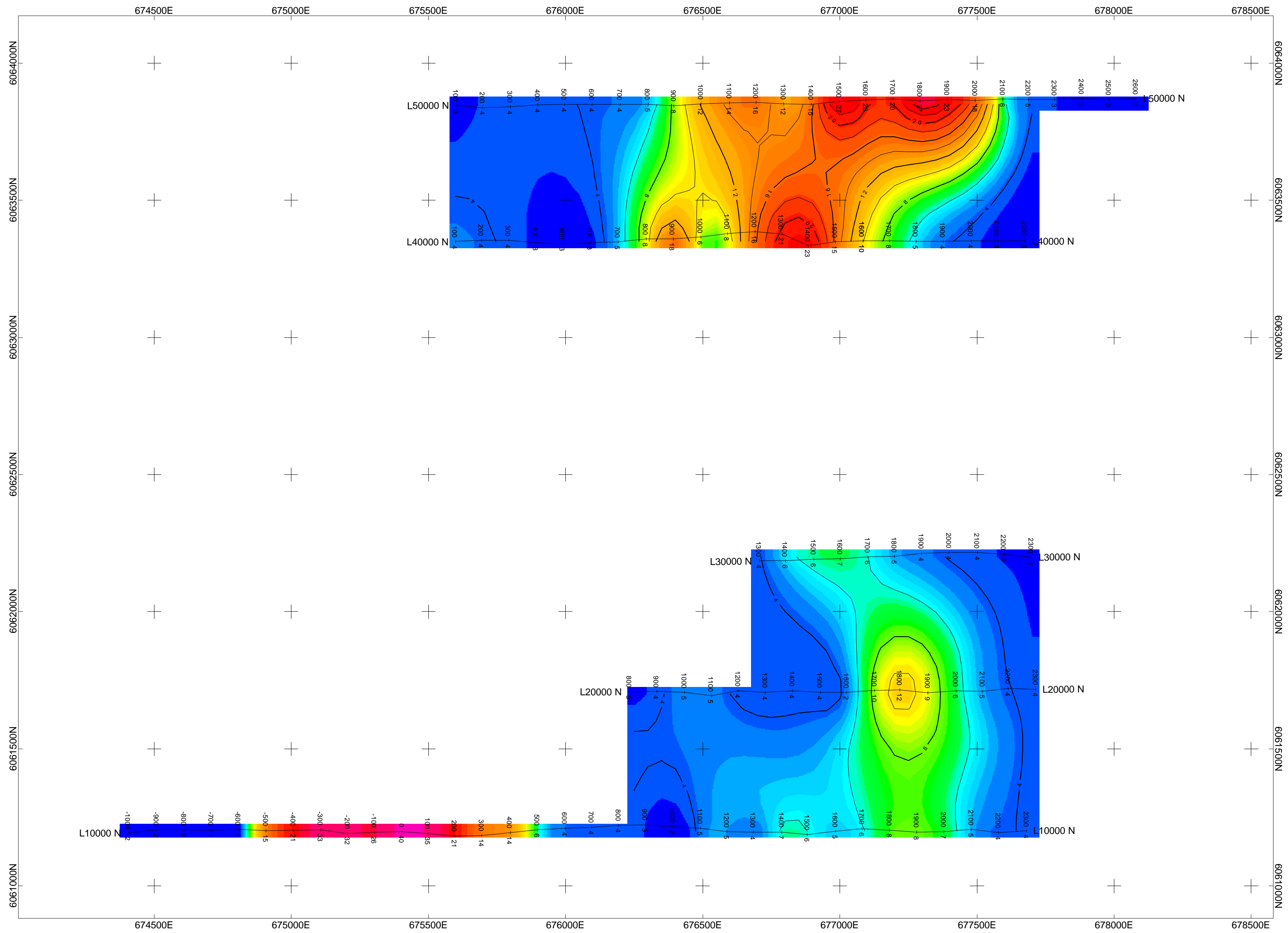


RIVERSIDE RESOURCES INC.

INDUCED POLARIZATION SURVEY
COUGAR GRID, LENNAC PROPERTY
GRANISLE AREA, BRITISH COLUMBIA

Date: JULY-AUGUST 2012

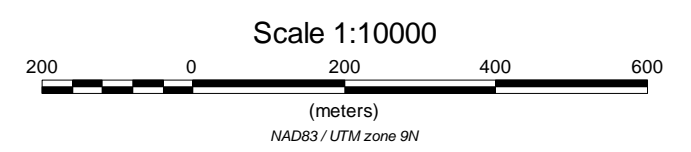
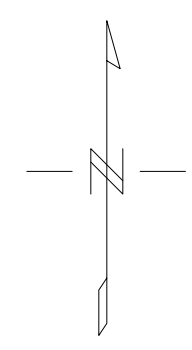
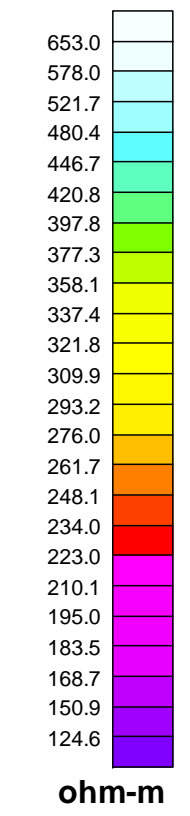
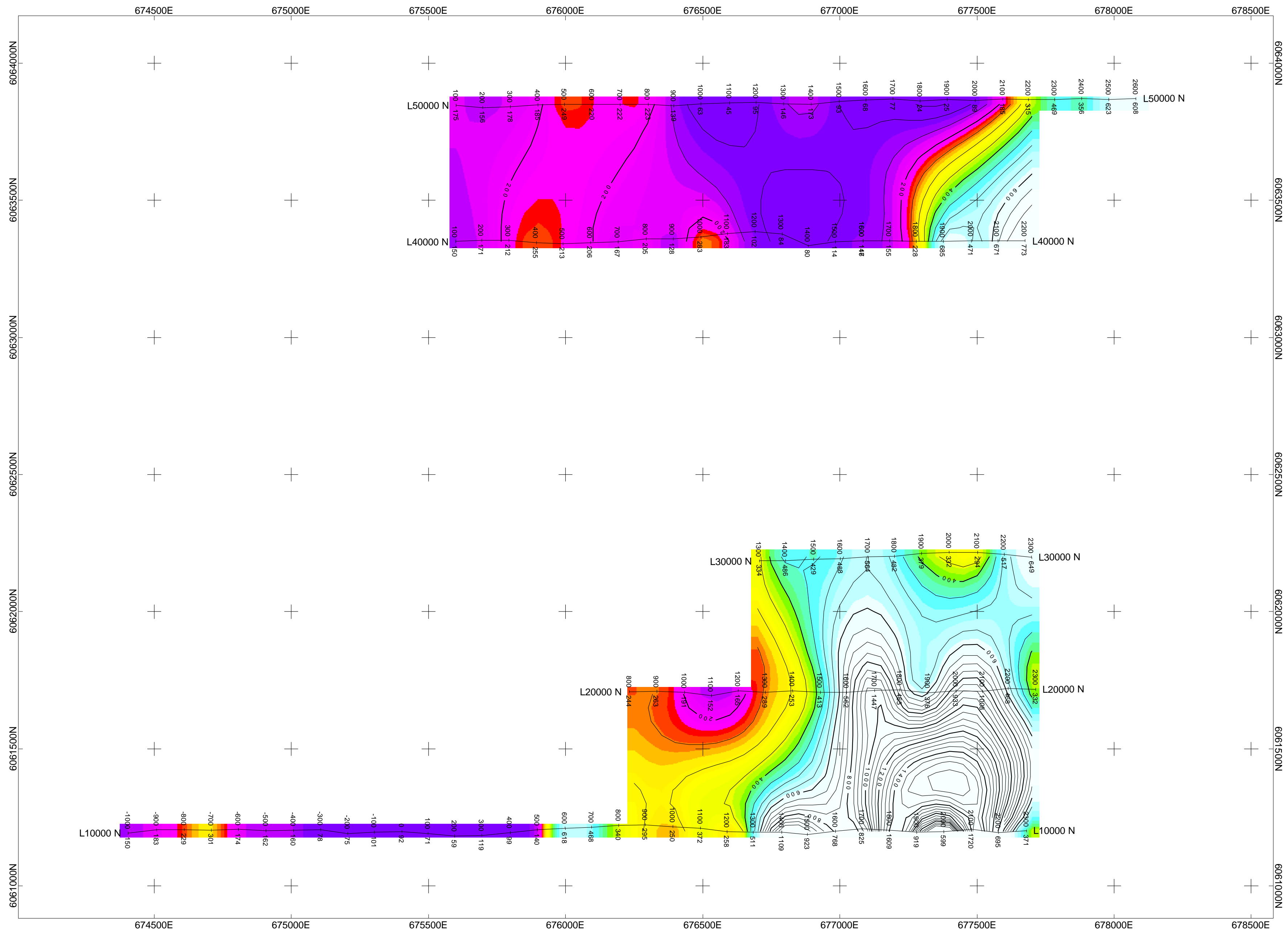
PETER E. WALCOTT & ASSOCIATES LIMITED



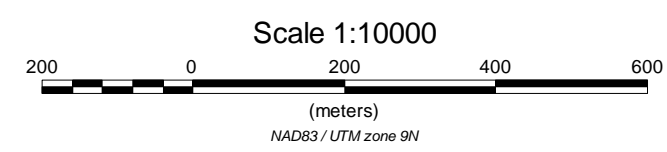
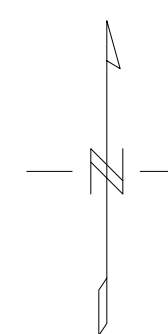
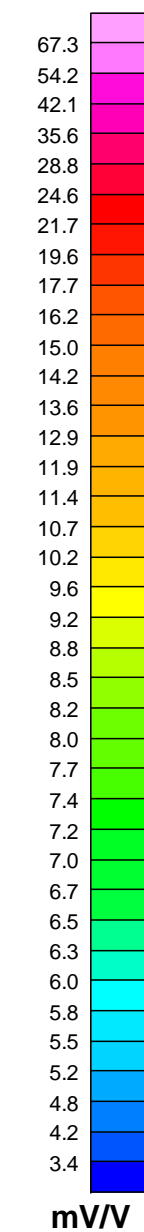
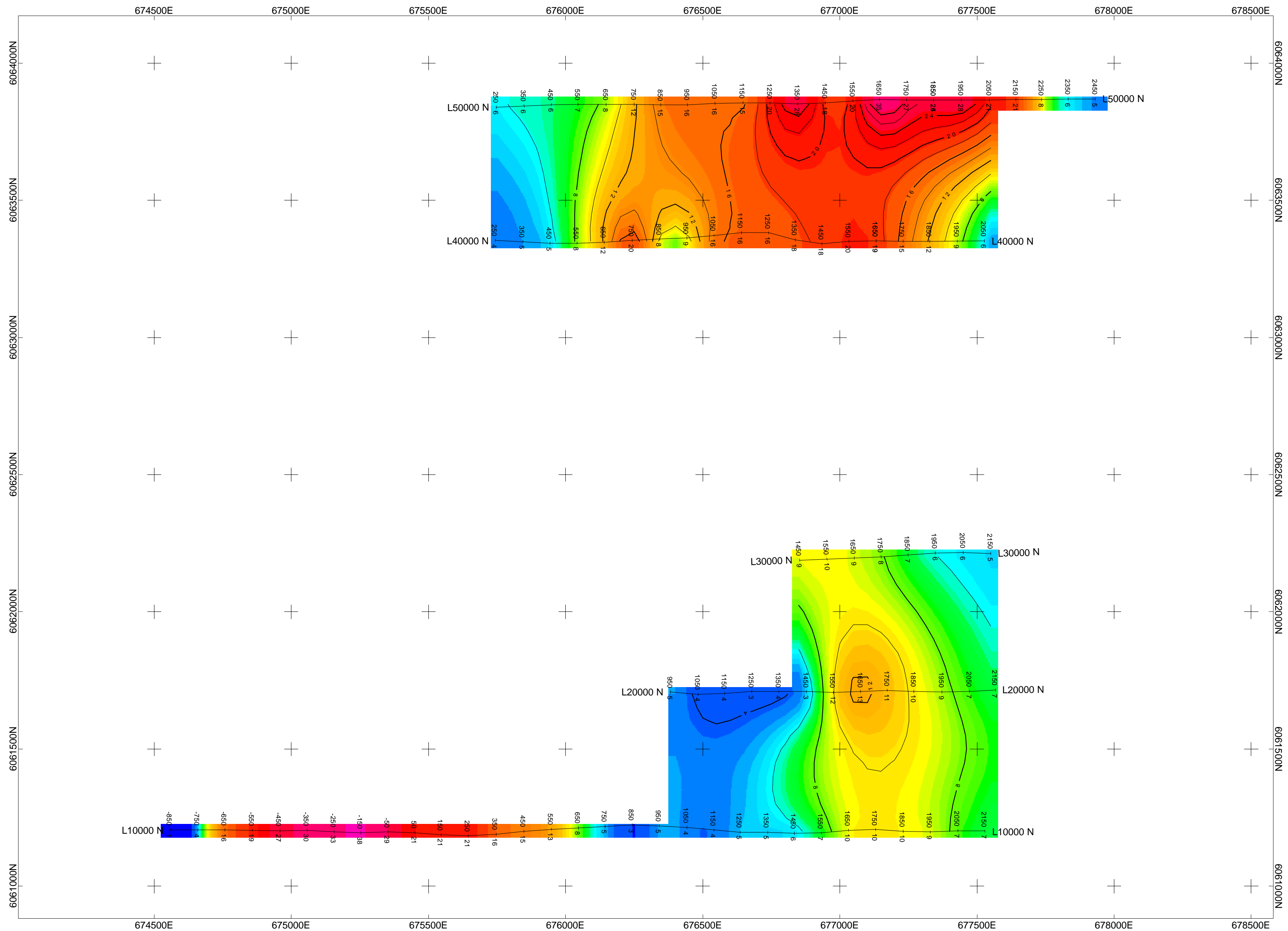
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT CHARGEABILITY (mV/V)
N=2

COUGAR GRID
 LENNAC PROPERTY
 GRANISLE AREA, BRITISH COLUMBIA
 JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED



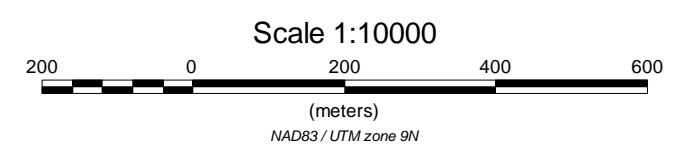
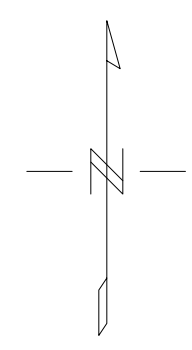
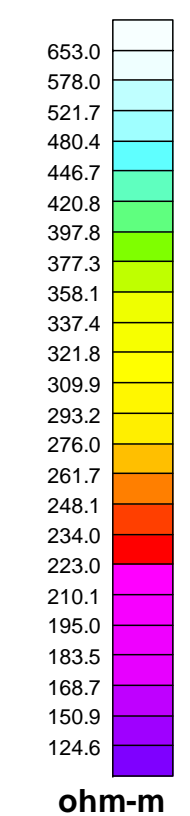
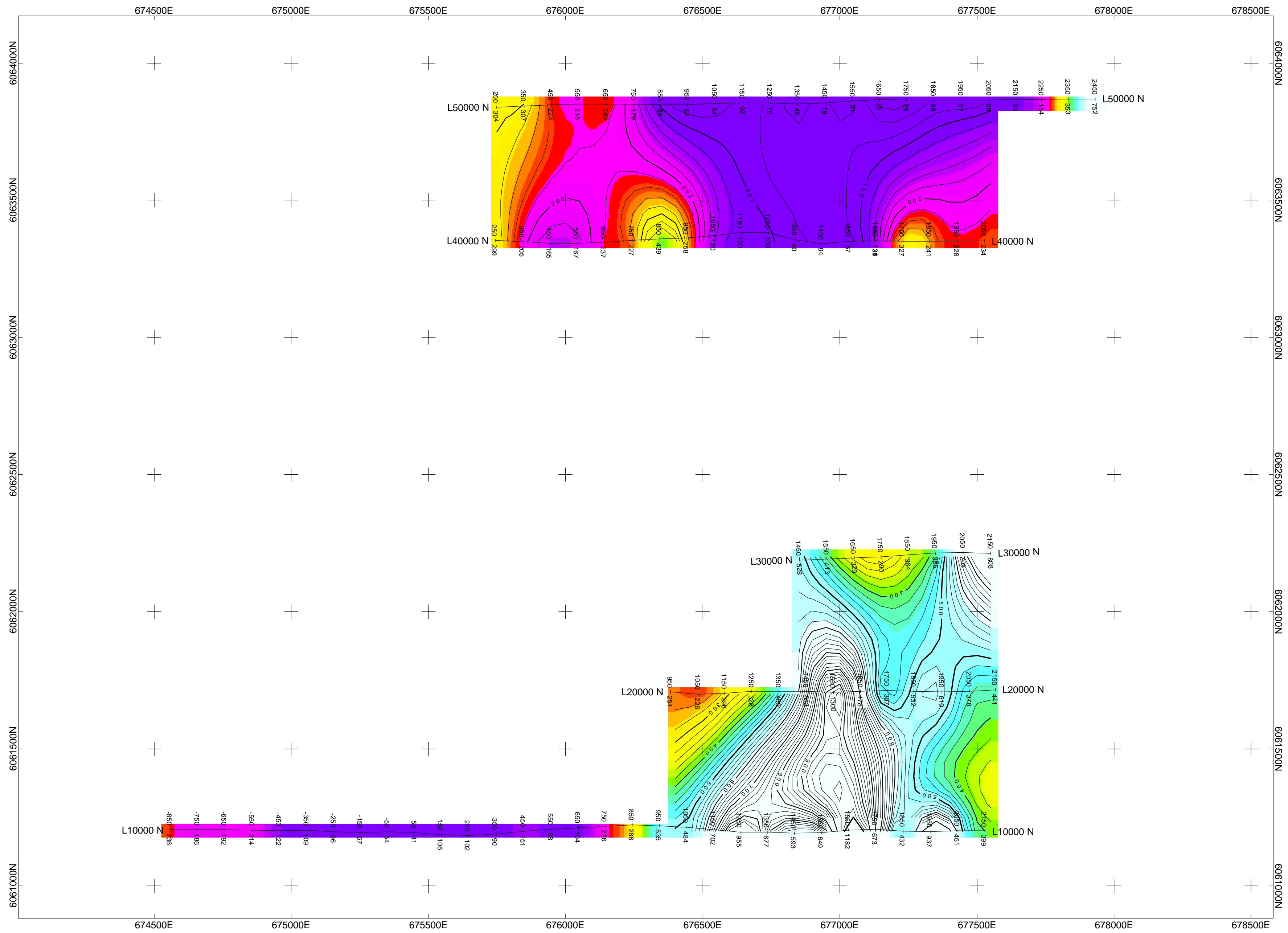
RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT RESISTIVITY (ohm-m)
N=2
 COUGAR GRID
 LENNAC PROPERTY
 GRANISLE AREA, BRITISH COLUMBIA
 JULY-AUGUST 2012
PETER E. WALCOTT & ASSOCIATES LIMITED



RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT CHARGEABILITY (mV/V)
N=5

COUGAR GRID
 LENNAC PROPERTY
 GRANISLE AREA, BRITISH COLUMBIA
 JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED



RIVERSIDE RESOURCES INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT RESISTIVITY (ohm-m)
N=5

COUGAR GRID
 LENNAC PROPERTY
 GRANISLE AREA, BRITISH COLUMBIA
 JULY-AUGUST 2012

PETER E. WALCOTT & ASSOCIATES LIMITED