EARNY RESOURCES LTD.

ASSESSMENT REPORT

on a

GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL PROGRAM

on the

PC PROPERTY

BCGS 092I.034/.035

Kamloops Mining District

British Columbia

Canada

Owners: *Qualitas Holdings Corp & Novus Gold Corp.*

Operator: *Earny Resources Ltd.*

Work Dates*: September 15, 2012 to November 15, 2012*

Centred Near: *5,582,000N 628,000 E*
(NAD 83)

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SUMMARY

Earny Resources has an option on the PC Property comprised of five contiguous claims covering 2,452 hectares within the Spences Bridge Gold Belt of south-central British Columbia. The Guichon Creek Batholith, which hosts the Highland Valley copper deposits within 20 kilometres northeast, occurs on the eastern portion of the Property and within 500 metres of the Northeast Zone.

The PC Property is predominantly underlain by volcaniclastics and andesite of the Spences Bridge Group Pimainus Formation which has the potential for hosting precious metal bearing epithermal quartz veins. Exploration results of 18.4 grams per tonne gold over 12.8 metres are reported on a property some 20 kilometres west on the western portion of the northwest trending Spences Bridge Belt.

Exploratory results from a 2011 geochemical survey completed on the PC Property resulted in the location of four distinct gold anomalies. The localized areas for the follow-up 2012 exploration program were selected based on northwest trending arsenic anomalies which could be an indication of one surficial pathfinder element of a structurally hosted mineralized epithermal zone.

The 2012 exploration program results derived from a program of prospecting, detailed geophysical and geochemical surveys, were encouraging to the location of three potential mineral bearing epithermal zones. Two zones within the South Grid portion indicated anomalous arsenic values for up to 300 metres in association with northerly trending structures. The anomalies increase southward with both the zones open for continuity.

The most promising is the indicated epithermal Northeast Zone. An IP survey over the correlative anomalous arsenic VLF-EM indicated structure, delineated a potential quartz/silicified zone with associated indicated argillic alteration. The zone is open to the southeast where a sample from one of the rare outcrops on the Property returned 4.2 ppm arsenic from a flow breccia or possibly a milled breccia.

An exploration program is recommended to assess the three indicated epithermal zones and the indicated porphyry copper North Zone, for their mineral bearing potential. A program of detailed geochemical soil surveys followed by IP surveys, and diamond drilling to initially test prime anomalous target to determine the significance of the variable anomalies as to indicators of epithermal or porphyry systems.

INTRODUCTION

During September, October and November 2012 an exploration program comprised of localized soil sampling, VLF-EM surveys, magnetometer surveys, and an IP survey was completed over selected areas of the PC Property. The selected areas were based on the anomalous soil survey results of a 2011 grid soil sampling program on the PC Property which covered most of the heart of the property.

The purpose of the 2012 exploration program was to determine the significance of the 2011 localized anomalous soil anomalies as to the indications of a potential epithermal mineral resource. Thus a localized exploration program was designed over two selected 2011 arsenic in soil anomalous zones based on the supposition that the arsenic was a surficial pathfinder indicator mineral at the top of a gold and/or silver bearing zone hosted by a structure.

Two locations were selected for detailed exploration; an area in the southwest and an area in the northeast. These locations indicated a northwesterly trend to the arsenic in soil anomalies; the northwesterly trend being a dominant structural direction.

An area in the north was also selected for exploration based on a localized area of anomalous soil copper values which could be indicative of a mineral bearing intrusive and possibly a satellitic Bethlehem phase of the Guichon batholith which hosts the Highland Valley and the Lornex deposits to the northeast.

The localized and detailed exploration program was progressively staged from a VLF-EM and Magnetometer survey, to a soil geochemical survey, and finalized with an Induced Potential (IP) survey. Due to budget restrictions the IP survey location covered only one area which indicated the greatest correlative potential for an epithermal mineral resource; that area being in the northeast within 500 metres west of the Guichon Batholith-Nicola volcanic contact

Most of the background information for this report on the PC Property was obtained from a 43-101 report on the PC Property authored by Wesley Raven, P.Geo. dated February 12, 2012. Information on the Earny Resources 2012 program was obtained from the exploration results derived from fieldwork conducted by personnel or contractors of Sookochoff Consultants Inc. and from the work conducted on the PC Property by the author.

PROPERTY

The property is located adjacent to and east of Highway 8 connecting Spences Bridge, 11 kilometres northwest and Merritt, 60 kilometres southeast. Ten kilometres northeast of the PC Property is the 130,000 tonne per day Highland Valley open-pit mine which, through a mosaic of secondary roads, connects the Mine southwesterly through the PC Property to Highway 8, and northeasterly from the Mine via a paved road to the community of Logan Lake.

The centre of the PC Property is at 5,582,000 N, 628,000 E (NAD 83).

Figure 1. **Location Map**

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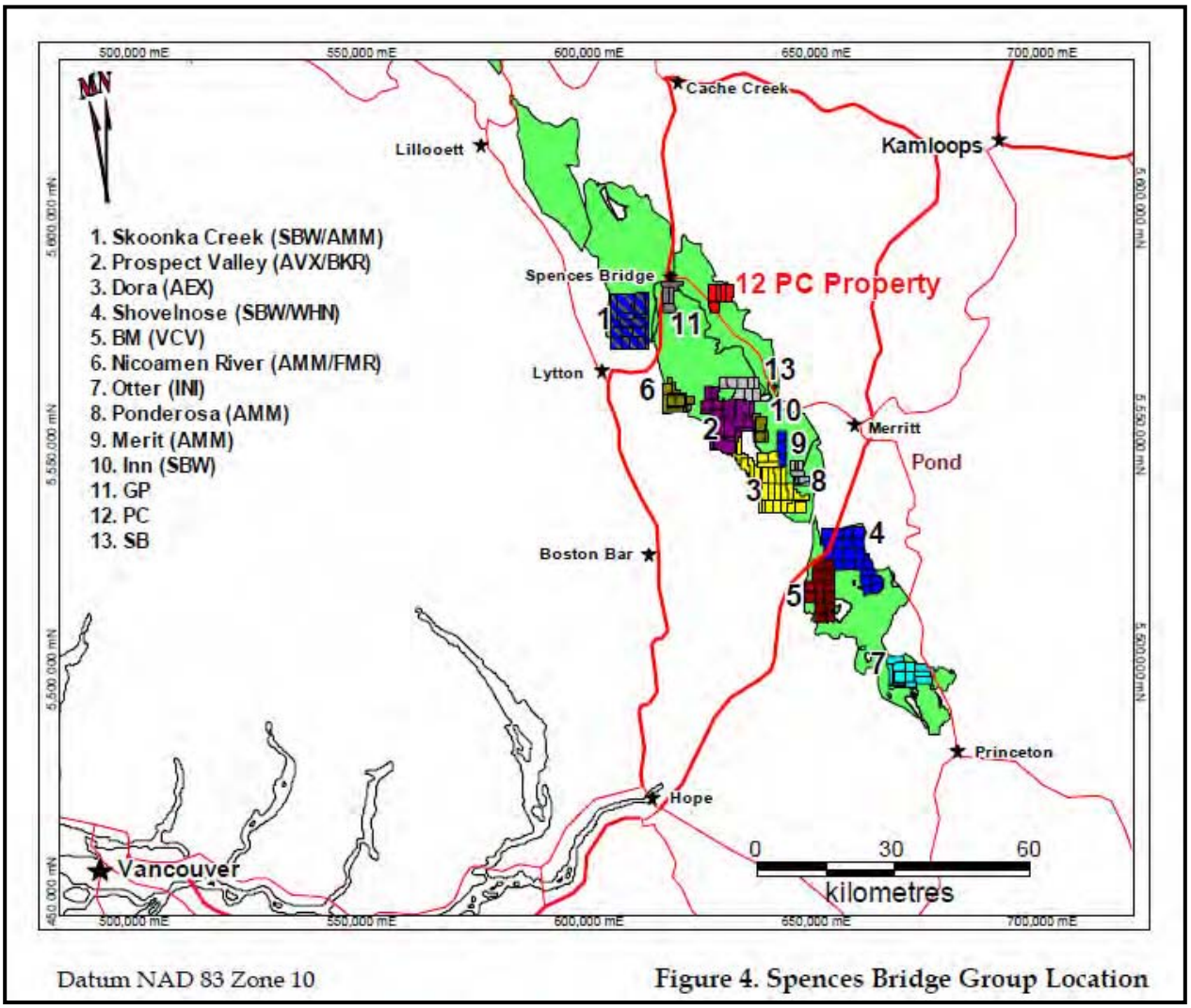
The PC Property is comprised of five contiguous claims covering an area of 2,452.31 hectares. Particulars are as follows:

Table 1. **PC Property: Tenures**

Tenure Number	Type	Claim Name	Good Until	Area (ha)
903429	Mineral	PC 1	20151031	453.2993
903449	Mineral	PC 2	20151031	494.5225
903469	Mineral	PC 3	20151031	494.5255
903489	Mineral	PC 4	20151031	494.5277
903509	Mineral	PC 5	20151031	515.4302

Total Area: 2452.3052 ha

Figure 2. **Location to Adjacent Properties**
(Map from Raven, 2012)



ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE and PHYSIOGRAPHY

Access to the PC Property from the village of Spences Bridge is via Highway 8 south from Spences Bridge for 17 kilometres to the Skuhun Creek Forestry Road which is taken for two kilometres to the Pimainus Lake Road which is taken for 16 kilometres to the PC Property. A series of logging roads provides access through most of the five claim block of the PC Property.

The climate of this part of the province is typical of the southern interior of British Columbia. The summer field season is generally warm and dry and is generally from mid- to late- April through to late-October. Winters are cold with significant snow accumulations, particularly at the higher elevations. Temperatures can dip to minus 20 Celsius for extended periods.

Accessibility, Climate, Local Resources, Infrastructure and Physiography (cont'd)

Sufficient basic resources for an advanced exploration and development program would be available at Merritt or alternatively at Kamloops, one hour's drive on the Coquihalla Highway (#5) from Merritt. Kamloops, 66 kilometres to the northeast of the PC Property, is presently the hub for the development of two large scale mining operations scheduled for production in 2013. Logan Lake, one hour west of Kamloops and two hours north of Merritt on Provincial Highway 97C, is within 20 kilometres southwest of the Highland Valley Copper mine, one of the largest open-pit mining operation in North America.

Power requirements for the initial exploration and development at the PC Property would be fuel generated. Commercial power sources could be available from a transmission line 30 kilometres east of the PC Property.

Figure 3. **Location to Producing Mines and/or Pending Producers**

Water for all phases of the exploration and development program should be available from creeks on or adjacent to the PC Property. Water, if required during the freezing periods, would have to be transported from Pimanius Lake within two kilometres east.

The topography is locally steep to rugged adjacent to the Nicola River and the Spences Bridge/Merritt Highway at 300 metres to 1,700 metres at the extreme eastern end of the property. The claims are generally covered with open stands of pine, with lesser spruce and fir. The underbrush is thin except within creek drainages.

A logging road system provides excellent access above the Pimainus Road, while the steeper terrain below the road to the Highway is rugged with only selective navigable routes.

Figure 4. **Claim Map**
(Base Map from MapPlace)

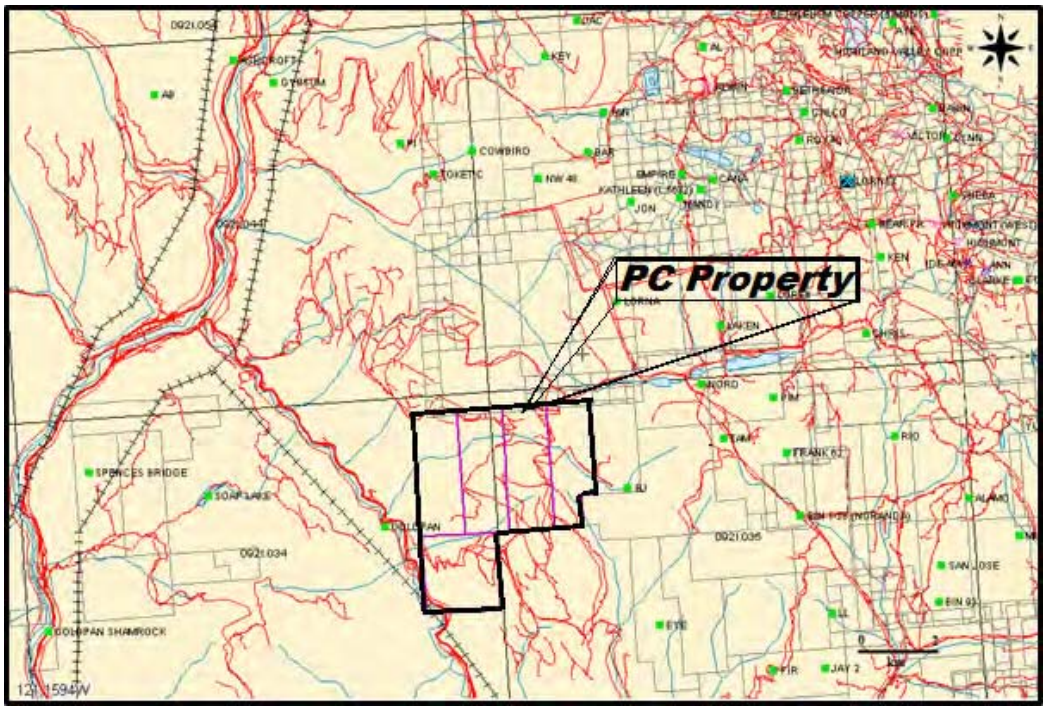
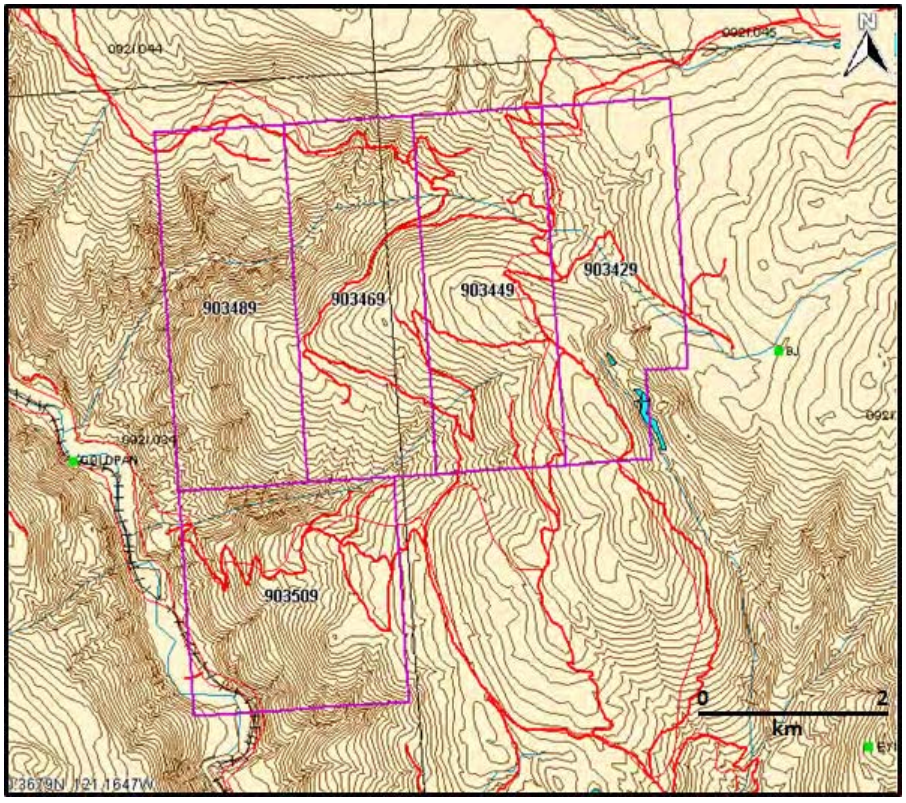


Figure 5. **Topography & Accessibility**
(from MapPlace)



HISTORY (from Raven, 2012)

There was no recorded exploration on the PC property prior to the initial discoveries of epithermal precious metal mineralization in the Spences Bride Group rocks by Almaden Minerals Ltd. in the early 2000's. This spurred a staking rush that resulted in the staking of the entire Spences Bridge Group by 2005.

In the summer of 2006 Tanqueray Resources Ltd. completed a program of property wide silt sampling, road side and grid soil sampling, rock sampling, prospecting and mapping on the Pima property, which includes the ground now covered by the northern portion of the PC property. These programs were successful in uncovering the Pima Shear Zone, a 5-7 metre wide, NWW trending zone of alteration with associated epithermal quartz veinlets. Sampling showed the zone is weakly anomalous in gold, resulting in a 3 km by 3 km soil geochemistry grid. The soil grid highlighted the strike projection of the Pima Shear Zone in the area tested and also uncovered two potential shear zones in the hanging wall. (Henneberry, 2006). The Pima Shear Zone is located in the northern portion of the PC property.

In the summer of 2006 Appleton Exploration Inc. completed a program of property wide silt sampling, road side and grid soil sampling, rock sampling, prospecting and mapping on the Clapperton property which includes the ground now covered by the southern portion of the PC property. These programs were successful in locating weakly anomalous alteration shear zones. Soil geochemistry over the zone was successful in tracing it along strike with gold in soil anomalies. (Henneberry, 2007). This shear zone is located on the southern portion of the PC property.

There are no known mineral resources or reserves, historical or otherwise, on the PC property nor is there any record of mineral production from the property.

GEOLOGICAL SETTING (from Raven, 2012)

(Summarized from MINFILE 092G, 092H, 092I, 092J, 092O, 092P; Green and Trupia, 1989)

The Spences Bridge Gold Belt lies within the Intermontane Tectonic Belt of Central British Columbia, proximal to its western boundary with the Coast Plutonic Belt. The Intermontane Belt is a region of relatively low topographic and structural relief, while the Coast Plutonic Belt is a region of high topographic and structural relief. The regional map also shows small elements of Insular Belt to the extreme southwest and the Omenica Belt to the extreme northeast.

The two primary belts are further divided into nine lithographic terranes in the map area: Coast Complex, Harrison, Cadwallader, Bridge River, Shuksan, Methow, Stikinia, Cache Creek and Quesnellia, respectively from west to east. Each terrane is bounded by major faults.

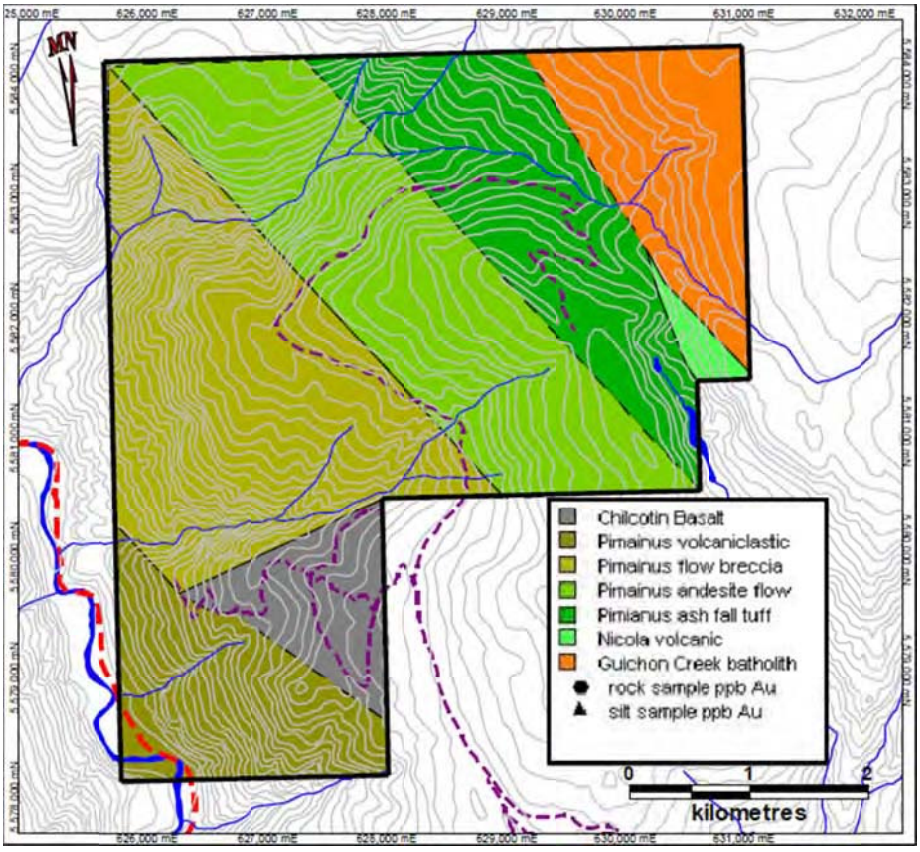
The Harrison and Coast Complex terranes are not directly relevant to the Spences Bridge Group and its mineralization.

The Cadwallader Terrane lies to the west of the northern outliers of the Spences Bridge Group. It comprises a series of Cretaceous clastic sediments and the Powell River Group volcaniclastics. The Bridge River Terrane consists of Mississippian to middle Jurassic marine sedimentary and volcanic rocks. The Shuksan Terrane consists primarily of Cretaceous intrusives and high grade metamorphic rocks. The Methow Terrane forms much of the boundary between the two belts. It comprises sequences of Jurassic through to Cretaceous, predominantly fine grained, clastic sediments.

***Geological Setting** (cont'd)*

The south end of the Stikinia Terrane includes Cretaceous clastic sediments and a series of Jurassic through to Cretaceous intrusives. The geology of the Cache Creek Terrane is complex with units ranging in age from Pennsylvanian to middle Jurassic. The rocks include a mélange of Permian to Pennsylvanian carbonates with minor clastic sediments and volcanics in the eastern and central sections and a series of Permian to middle Jurassic clastic sediments with minor carbonates and volcaniclastics to the west.

Figure 6. **PC Property: Geology**
(Map from Raven, 2012)



The Quesnellia Terrane consists primarily of the upper Triassic Nicola Group clastic sediments, and volcanic rocks with associated late Triassic - early Jurassic intrusions. The most important is the Guichon Creek Batholith, which hosts the Highland Valley copper deposits. The Methow, Stikinia, Cache Creek and Quesnellia Terranes through much of the map area are covered by Cretaceous and/or Tertiary sedimentary and volcanic overlap assemblages.

These include Miocene - Pliocene plateau basalts and coarse clastic sediments of the Chilcotin Group, Eocene to Oligocene volcanics and Eocene basalt and andesite, local rhyolite, breccia, tuff and sandstone thought to be related to the Kamloops Group.

***Geological Setting** (cont'd)*

Spences Bridge Group flows and volcaniclastics occur as a series of outliers though the lower end of the Stikinia Terrane in the north and as a large belt within the Quesnellia Terrane in the south.

The middle to upper Cretaceous Spences Bridge Group has recently been identified as a significant target for epithermal precious metal mineralization. This group forms a northwest trending volcanic belt consisting of a thick sequence of gently folded volcanics with lesser sediments dipping shallowly to the northeast. Rocks of the Spences Bridge Group are believed to have formed as a chain of stratovolcanoes associated with subsiding, fault-bounded basins (Thorkelson, 1985).

Geology of the Spences Bridge Group

The Spences Bridge Group forms a northwest trending belt from 3 to 24 kilometres wide extending from north of Princeton through to east of Lillooet. (Duffel and McTaggart, 1952), (Figure 4). A faulted extension of the belt occurs as a series of outliers in the Churn Creek / Empire Valley area west of 100 Mile House (Thorkelson, 2006). The group is estimated to be up to 3,400 metres in thickness. (Thorkelson, 2006).

The Spences Bridge Group is thought to be the volcanic representation of the closure of the oceanic basin between Wrangellia to the west and the assemblage of intermontane terranes (the accreted part of ancestral North America) to the east. Spences Bridge rocks were deposited on two main basement types: west of the village of Spences Bridge, they overlie the mainly Paleozoic Cache Creek terrane; to the east they overlie plutonic and volcanic rocks of the late Triassic Nicola Arc, part of the Quesnellia terrane. (Thorkelson, 2006).

Shortly after eruption on the Spences Bridge Group began, tectonism led to the deposition of a near-basal conglomerate that contains clasts of Triassic granitoids and Nicola volcanic rocks. These rocks commonly show foliations and lower greenschist metamorphism which are not evident in the Spences Bridge Group, suggesting Spences Bridge rocks were deposited on the basement after deposition of the Nicola Group, deformation and metamorphism, and exhumation. (Thorkelson, 2006).

The Spences Bridge Group consists of two formations: the Pimainus Formation and the overlying Spius Formation. The Pimainus Formation is highly variable, containing lava, tephra, fanglomerate, lahar, sandstone, and coal. Volcanic compositions range from basalt to rhyolite. It is most reasonably thought of as a stratovolcano assemblage. The overlying Spius Formation consists almost entirely of amygdaloidal andesitic lava, ranging from pahoehoe to aa types. In some places, the contact is conformable and hard to identify, while in others, lacustrine beds separate the two formations. (Thorkelson, 2006).

The Spences Bridge Group is preserved in the Nicoamen structural depression, a complex synclinorium crosscut by normal faults. It may have been forming at the same time as the Spences Bridge Group. Presently, the Spius Formation is largely confined to the centre of the structural depression but appears to be the relic of an extensive shield volcano with a few cinder cones. (Thorkelson, 2006).

Structurally, the Spences Bridge Group is generally gently folded, with dips from 10° to 40°. Individual flows and beds do not appear to be widespread. There appears to be some faulting within the group but the lack of marker horizons makes measurement of any displacement difficult. (Duffel and McTaggart, 1952)

PC PROPERTY GEOLOGY – (summarized from Henneberry, 2006; 2007)

The PC property is largely underlain by volcaniclastics and andesitic flows of the Pimainus Formation of the Spences Bridge Group (Figure 5). Nicola Group volcanics outcrop is a small sliver on the eastern part of the claim block and diorites of the Guichon Creek batholith. A small outlier of Chilcotin Group flood basalt was mapped in the south eastern corner of the claim block.

The northeastern part of the claims is underlain by block and ash fall tuffs. The tuffs are grey weathering and grey green to dark grey in hand specimen The fabric of the tuffs are matrix supported with coarse grained clasts and bombs of an andesitic composition, as well as white plagioclase lapilli. These rocks are altered with chlorite and carbonate, with local fracture limonite. The alteration is pervasive throughout the rock. Very little quartz was noted throughout the block and ash fall tuffs.

The central part of the property is underlain by andesitic flows. The flows are grey weathering, and grey green to dark grey on fresh surface. The flows are aphanitic with some porphyritic white plagioclase feldspar horizons. The phenocrysts range from 5-10 mm in size. Alteration in the flows consists of hematite, limonite and chlorite with local clay and epidote. The chlorite and hematite are pervasive throughout the formation while the clay and epidote are localized. No sulfides were noted.

The southern and western part of the property is underlain by andesitic flow breccias and lapilli tuffs. The flow breccias are grey weathering with blocky jointing. On fresh surface they are grey green to dark grey. The rock carries white plagioclase lapilli (5-10 mm in size), ranging from intact crystals to crystal fragments. The ground mass is generally aphanitic. These rocks are altered with hematite and carbonate. The orange carbonate lichen is commonly noted throughout the cliffs, suggesting carbonate alteration is pervasive through the area. The intensity of the alteration is generally weak to moderate.

Shear zones containing carbonate stringers and pods are common. Hematite occurs as fracture coatings and as patches throughout the formation. Locally the alteration can be intense resulting in a mottled texture to the rock. Very little quartz was noted in the andesitic flow breccias. The lapilli in the lapilli tuffs are predominantly plagioclase with lesser mafic minerals. The lapilli are 5-10 mm in size and range from intact crystals to crystal fragments. The ground mass is generally aphanitic. These rocks are altered with hematite and carbonate. The intensity of the alteration is generally weak to moderate. Shear zones containing carbonate stringers and pods are common. Hematite occurs as fracture coatings and as patches throughout the formation. Very little quartz was noted in the volcaniclastics.

Two small syenite outcrops were located in the central part of the property. They are too small to show on the property geology map. The intrusion is pink buff weathering and porphyritic. The grey green rock contains euhedral crystals of plagioclase and K-feldspar. Alteration consists of limonite and manganese with associated clays. No sulfides were noted.

MINERALIZATION

The only mineralization on the PC Property is that indicated by the results of the 2011 and the 2012 soil geochemical surveys. The results for the 2011 soil survey are reported by Raven (2012) as:

- 2800 metre long discontinuous Anomaly A consists of several anomalous gold-in-soil values along its length, including values of 78.2, 35.2, 29.9 and 40.6 ppb Au.
- 1300 metre long discontinuous Anomaly B consists of several gold-in-soil values along its length, including values of 73.8, 22 and 331.3 ppb Au.
- Anomaly C appears to be parallel to Anomaly B and is represent by a 53 ppb Au value on one line.
- Anomaly D appears to be parallel to Anomaly A and is represented by a 49.8 ppb Au values on one line and an 8.1 ppb Au value on the next line. The strike projection of this anomaly is covered by a large outcropping of recent flood basalts, likely masking the anomaly, as one of the lines north of the basalt returned a value of 11.1 ppb Au.

The results for the 2012 soil survey are reported in the Earny Resources Exploration Program section of this report.

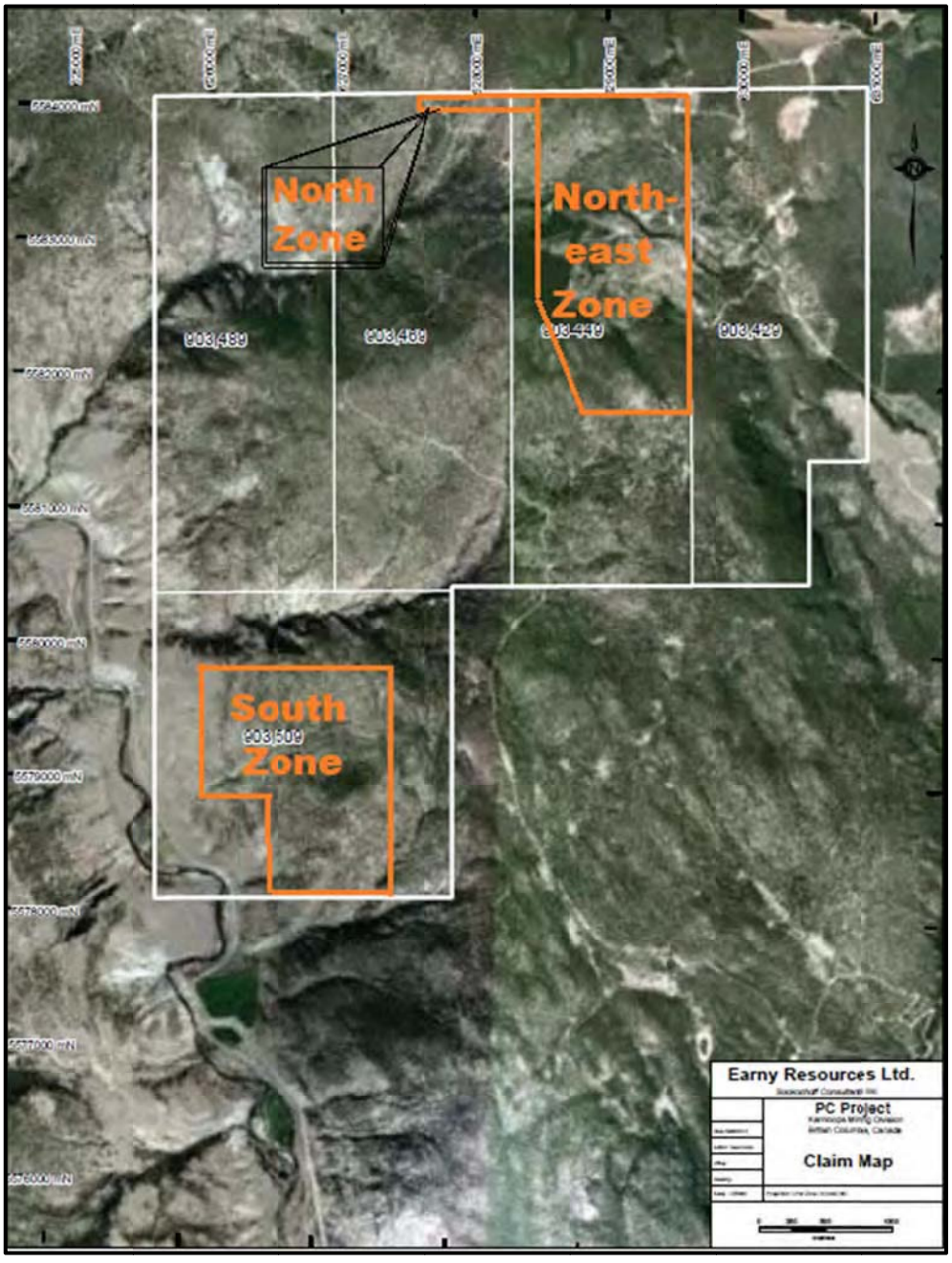
EARNY RESOURCES EXPLORATION PROGRAM

From October 15, 2012 to November 15, 2012, Earny Resources Ltd. caused a completion of localized geological, geophysical, and soil geochemical programs on the mineral claim. The 2012 exploration program was completed based on the following analyses, parameters, and procedures:

1. The 2011 soil geochemistry soil results completed over most of the heart of the PC Property were analyzed for indicated locations of potentially economic mineral bearing zones;
2. Three localized areas were selected for detailed surveys based on the results of the 2011 soil geochemical survey. The three areas were designated as the South Zone, the Northeast Zone, and the North Zone;
3. The South Zone and the Northeast Zone were selected for potential epithermal mineralization. The parameters used for the selection were northwesterly trending anomalous arsenic soil values; arsenic being one of the surficial pathfinder elements over an epithermal mineral hosted structure.
4. The North Zone was selected for a potential copper/silver/gold porphyry. The parameter for the selection was based on anomalous copper values in soil.
5. The three areas, the boundaries designated by UTM coordinates within Table 2, were subsequently covered by detailed VLF-EM and magnetometer surveys utilizing the 2011 grid and increasing the coverage density to 100 metre spaced east-west grid lines and 25 metre station intervals along the grid lines.
6. Based on the results of the geophysical surveys, three additional localized areas, two within the South Zone and one within the Northeast Zone, were selected for detailed soil geochemical coverage. The parameters for the selection were based on northwesterly trending VLF-EM anomalous zones as indicated structures, correlative with anomalous arsenic soil values, as one surficial pathfinder element that could indicate a mineral bearing epithermal zone. The bounding UTM coordinates for the three areas are designated within Table 2.
7. Based on the results of the geochemical surveys, a correlative anomalous area within the Northeast Zone was selected for Induced Potential (IP) coverage for indications of a sub-surface mineralized epithermal zone. The bounding UTM coordinates for the area covered is shown in Table 2.

Earny Resources Exploration Program *(cont'd)*

Figure 7. **Index & Claim Map**



Earny Resources Exploration Program *(cont'd)*

Table 2. **Particulars of the three localized PC Property 2012 Exploration Areas**

Area (Zone)	Survey	UTM North (North on Appendix IV Data Sheets)		UTM East (West on Appendix IV Data Sheets)		Assay Certificate Appendix I	Line km	Stations
		From	To	From	To			
South	Geochemical	5,578,200	5,578,600	627,500	626,900		1.7	73
	Assay Sheet Field Grid	8200	8600	BL00	24W	VAN 1200 4767.1		
	Geochemical	5,578,300	5,578,300	627,500	626,900		0.5	21
	Assay Sheet Field Grid	8300	8300	BL00	20W	VAN 1200 4814.1		
	Geochemical	5,579,000	5,579,200	626,950	626,000		1.1	39
	Assay Sheet Field Grid	9000	9200	22W	34W	VAN 1200 4767.1		
	Geophysical	5,578,700	5,579,900	627,500	626,000		19.5	793
	Geophysical	5,578,200	5,578,600	627,500	626,550		4.8	192
Northeast	Geochemical	5,581,900	5,582,300	629,600	629,000		3.0	125
	Assay Sheet Field Grid	1900	2300	BL00	24W	VAN 1200 4766.1		
	Geophysical	5,582,900	5,583,900	629,600	628,600		11.0	451
	Geophysical	5,581,700	5,582,800	630,600	630,600		24.0	960
	Geophysical	5,581,400	5,581,600	630,600	629,800		2.4	59
	Induced Potential (IP)	5,581,900	5,582,300	630,000	629,000		5.0	205
North	Geochemical	5,583,800	5,583,900	628,600	627,600		2.0	81
	Assay Sheet Field Grid	3800	3900	41W	80W	VAN 1200 4766.1		
	Geophysical	5,583,800	5,583,900	628,600	627,600		2.0	81

***Earny Resources Exploration Program** (cont'd)*

VLF-EM SURVEY

a) Introduction

Three areas, one on the South Zone, one on the Northeast Zone, and one on the North Zone, were selected for a VLF-EM survey. Two selections were based on anomalous arsenic soil geochemical results from the 2011 soil geochemical survey and on the premise that epithermal zones are commonly hosted by a structure and arsenic would be one of the surficial mineral indicators of a potential sub-surface mineral resource. Thus a confined directional trend of arsenic anomalies would be a prime area for a VLF-EM survey to determine if there is an indicated correlative structure. The area of the North Zone was selected for a potential copper/silver/gold porphyry based on 2011 anomalous copper values in soil. The three selected areas are shown in Figure 7.

b) Instrumentation

The VLF-EM survey was carried out with a VLF-EM receiver, Model 27, manufactured by Sabre Electronics Ltd. of Burnaby, British Columbia. This instrument is designed to measure the electromagnetic component of the very low frequency field (VLF-EM), which for this survey is transmitted at 24.8 kHz from Seattle (Jim Creek), Washington.

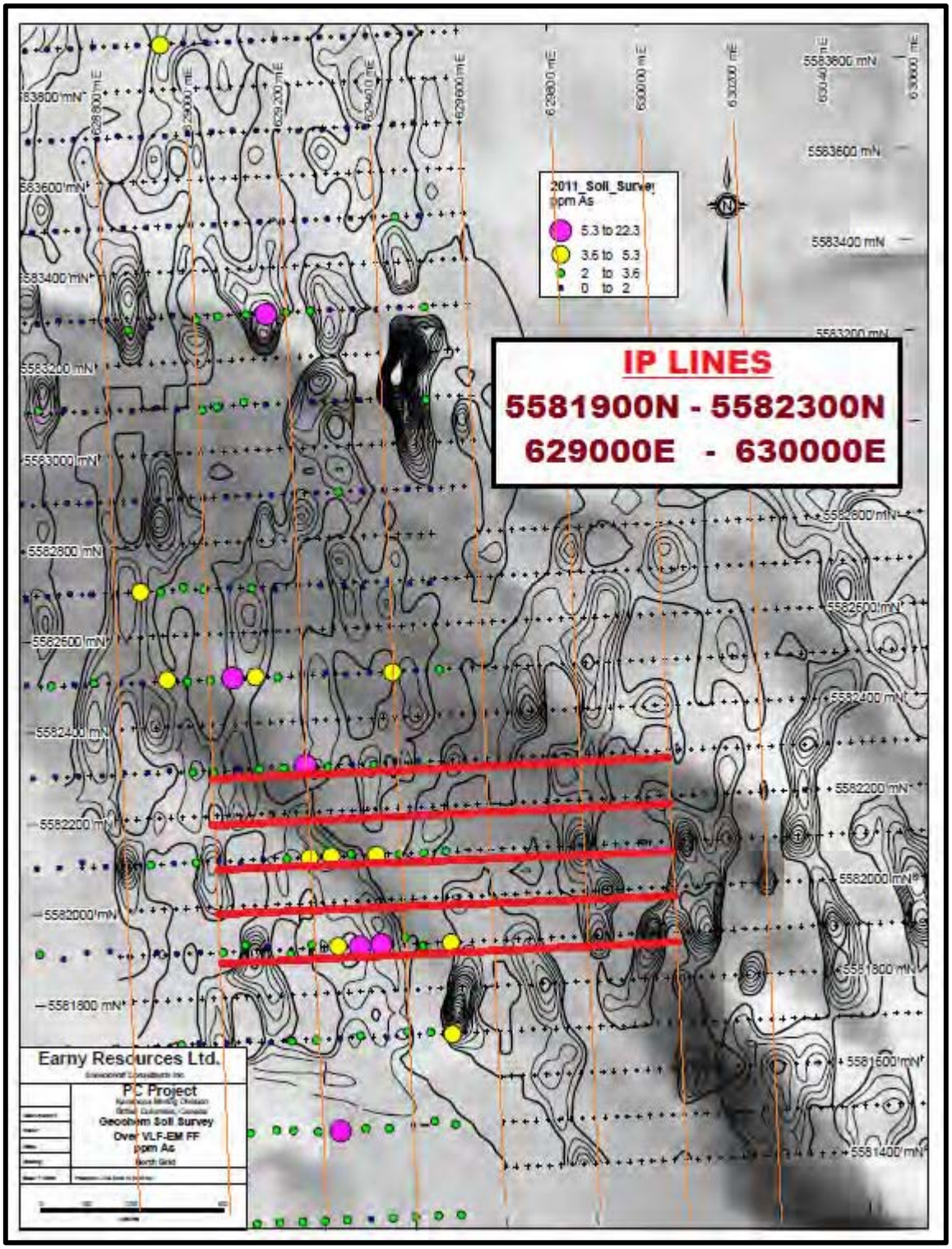
c) Theory

In all electromagnetic prospecting, a transmitter induces an alternating magnetic field (called the primary field) by having a strong alternating current move through a coil of wire. This primary field travels through any medium and if a conductive mass such as a sulphide body is present, the primary field induces a secondary alternating current in the conductor, and this current in turn induces a secondary magnetic field. The receiver picks up the primary field and, if a conductor is present, the secondary field distorts the primary field. The fields are expressed as a vector, which has two components, the "in-phase" (or real) component and the "out-of-phase" (or quadrature) component. For the VLF-EM receiver, the tilt angle in degrees of the distorted electromagnetic field with a conductor is measured from that which it would have been if the field was not distorted with a conductor. Since the fields lose strength proportionally with the distance they travel, a distant conductor has less of an effect than a close conductor. Also, the lower the frequency of the primary field, the further the field can travel and therefore the greater the depth penetration.

The VLF-EM uses a frequency range from 13 to 30 kHz, whereas most EM instruments use frequencies ranging from a few hundred to a few thousand Hz. Because of its relatively high frequency, the VLF-EM can pick up bodies of a much lower conductivity and therefore is more susceptible to clay beds, electrolyte-filled fault or shear zones and porous horizons, graphite, carbonaceous sediments, lithological contacts as well as sulphide bodies of too low a conductivity for other EM methods to pick up. Consequently, the VLF-EM has additional uses in mapping structure and in picking up sulphide bodies of too Iow a conductivity for conventional EM methods and too small for induced polarization. (In places it can be used instead of IP). However, its susceptibility to lower conductive bodies results in a number of anomalies, many of them difficult to explain and, thus, VLF-EM preferably should not be interpreted without a good geological knowledge of the property and/or other geophysical and geochemical surveys.

Earny Resources Exploration Program *(cont'd)*

Figure 8. **Northeast Zone: Showing Proposed IP Survey Grid over 2012 VLF-EM Survey Results (Fraser-Filtered) and 2011 arsenic in soil results.**



Please see Appendix 1 for full scale map and text values

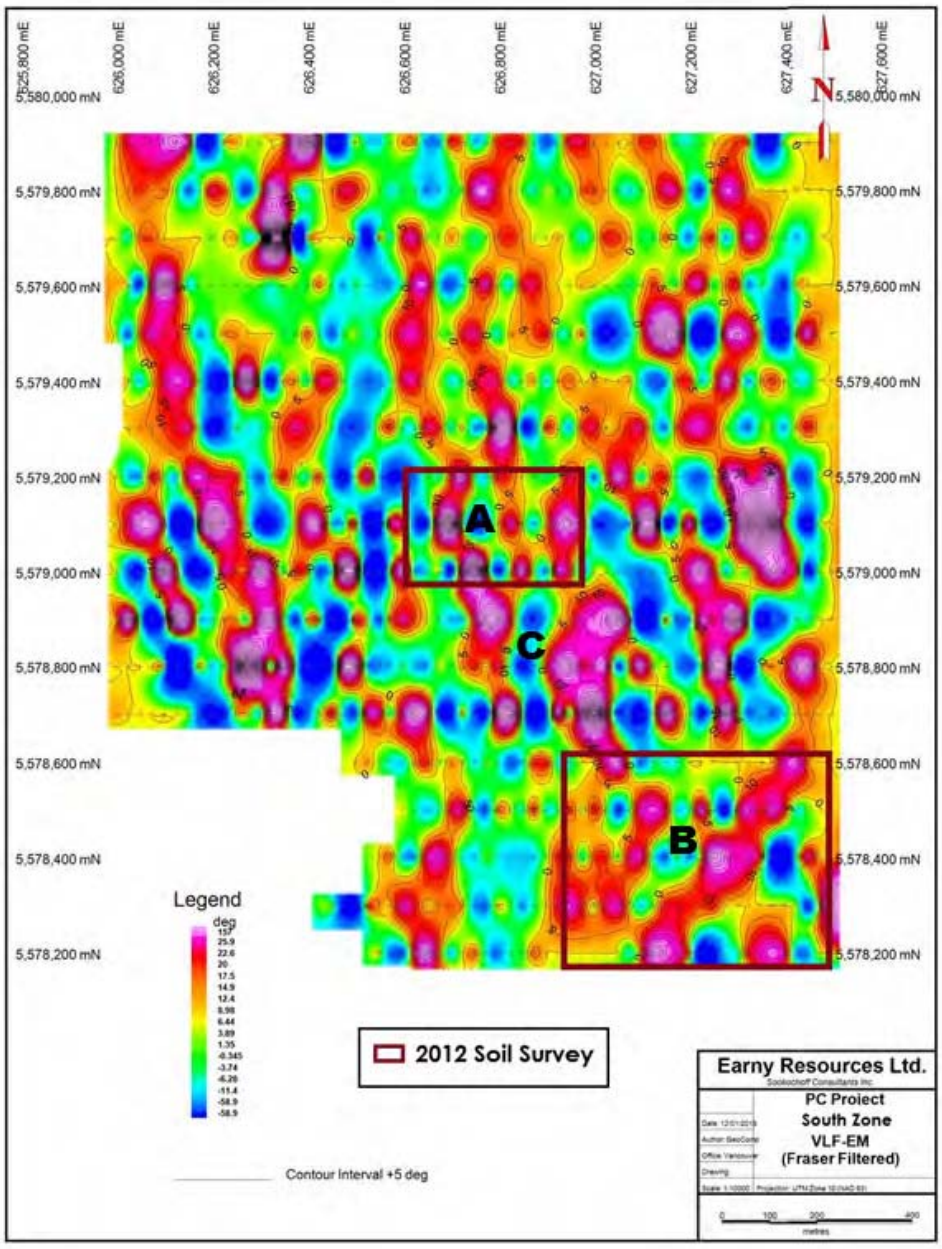
Earny Resources Exploration Program *(cont'd)*

VLF-EM Survey *(cont'd)*

d) Survey Procedure

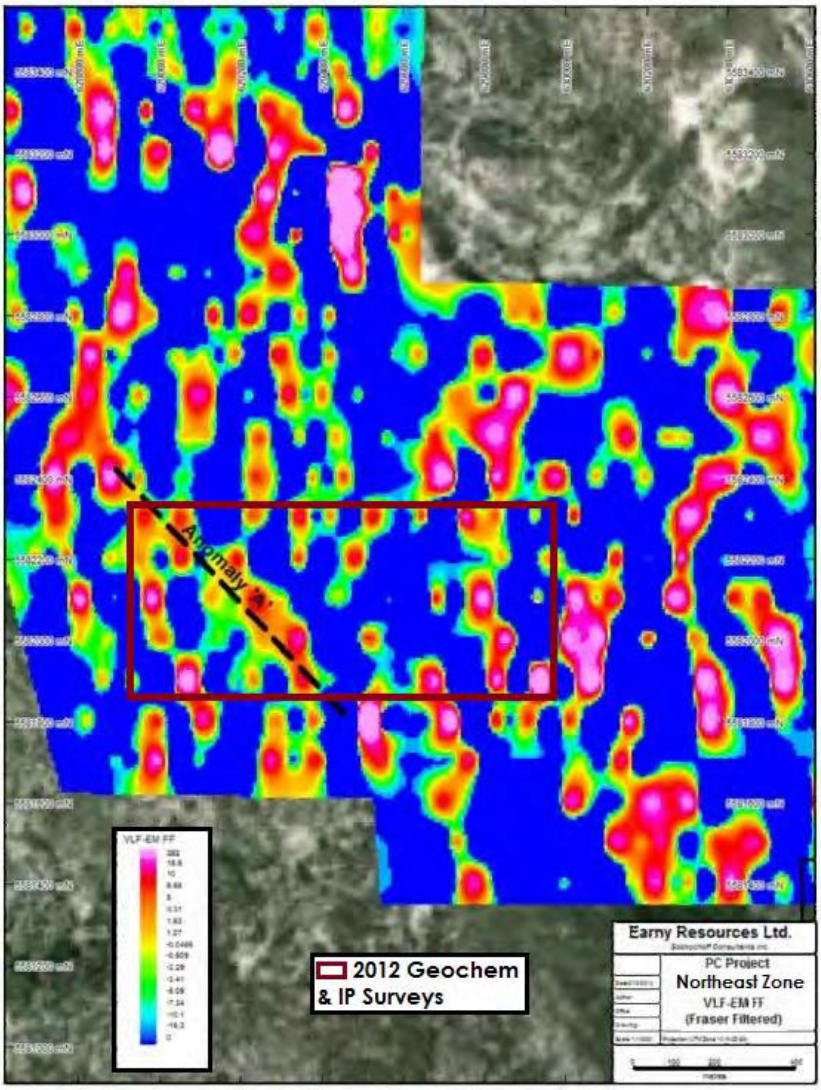
On each of the three areas, the grid established in the 2011 soil survey was used for correlative purposes. The VLF-EM survey was performed on east-west grid lines spaced at 100 metre intervals and 25 metre station intervals along the grid lines. The parameters of the grid for the survey area are shown in Table 2.

Figure 9. **South Zone: 2012 VLF-EM Survey Results**
(Fraser-Filtered field data showing anomalies as indicated structures and proposed 2012 soil survey areas A & B.)



Please see Appendix 1 for full scale map and text values

Figure 10. **Northeast Zone: VLF-EM Survey Results**
(Fraser-Filtered field data showing anomalies as indicatedstructures and proposed soil survey and IP areas.)



Please see Appendix 1 for full scale map and text values

e) Compilation of Data

The field data was Fraser Filtered with the resulting data transferred to an Exel spreadsheet, thence to a Map Info GIS program which was utilized to plot contoured data maps from which an interpretation of prime indicated structures was made.

e) Results

Two localized correlative VLF-EM anomaly (2012 survey) and anomalous arsenic values in soil (2011 soil survey) areas were delineated on the South Zone *(Figures 9 & 12)* and one on the Northeast Zone *(Figure 10)* were deemed to be prospective areas for a potential sub-surface structure controlled mineral resource and would warrant additional exploration.

***Earny Resources Exploration Program** (cont'd)*

MAGNETOMETER SURVEY

The results of the magnetometer survey were not compiled and presented as maps as some of the results were considered flawed. The magnetometer readings are shown in Appendix III.

SOIL GEOCHEMICAL SURVEY

a) Introduction

The soil geochemical surveys were completed in four localized areas; two in the South Zone, one in the Northeast Zone and the one in the North Zone.

The purpose of the soil survey was to determine any anomalous mineral values over the selected anomalous zones of the 2012 VLF-EM survey. Any correlative anomalous mineral in the soil in the South and the Northeast zones would be interpreted relative to the mineral zoning in an epithermal model *(Figure 16.)* whereas in the North zone, any anomalous mineral in the soil would be interpreted relative to a porphyry copper-gold model.

b) Sampling Procedure

The soil survey was accomplished utilizing the same grid as the VLF-EM survey which was based on east-west grid lines spaced at 100 metre intervals and at 25 metre station intervals along the grid lines. The parameters of the grid for the survey area are shown in Table 2 and on the pertinent Figures included herein.

Soil samples were taken from the B horizon of a brown forest soil at an approximate depth of 20 centimetres. The soil was placed into a Kraft manila envelope with the appropriate field grid location marked thereon. A total of 339 samples were taken.

(c) Analytical Methods

The samples were submitted to Acme Analytical Laboratories in Vancouver BC Canada for a 37 element ICP analysis. The method of analysis is shown on the Acme Labs Certificates of Analysis VAN 12004766, VAN 12004767, and VAN 12004814, attached herein in Appendix I. The first two Certificates are wrongly labelled as to Project and should be designated as Project: PC.

d) Results

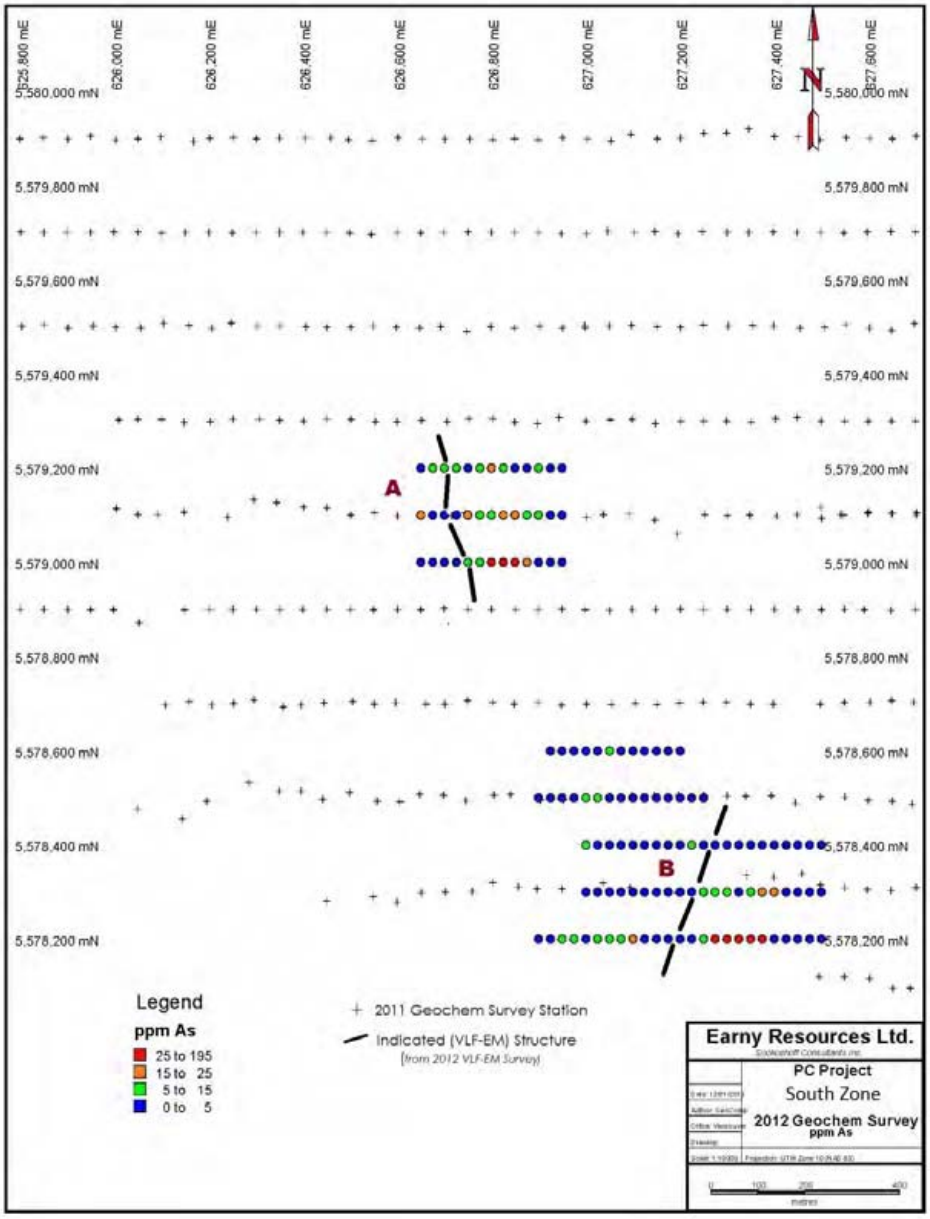
In the areas A & B of the South Zone *(Figure 12)* there is an offset correlation between the indicated (VLF-EM) structures and the anomalous (25 to 195 ppm) arsenic values. Both indicated structures appear to be approximately 100 metres west of the arsenic anomalies possibly due to a westerly dipping structure that strengthens to depth and the arsenic anomalies being the surface expression of the structure with contained mineralization. In both areas the anomalous zone is indicated to increase, and is open to the south.

At the Northeast Zone there is a good correlation between the VLF-EM indicated structure and elevated arsenic in soil values *(Figure 15)* with the anomalous (10 to 25 ppm) arsenic values in a direct correlation along the southernmost extent of the soil survey. The anomalous zone is open to the southeast.

At the North Zone sporadic anomalous copper values occur along the extent of the two grid lines *(Figure 15).*

Earny Resources Exploration Program *(cont'd)*

Figure 11. ***South Zone: VLF-EM indicated Structure &*** **Arsenic in Soils**



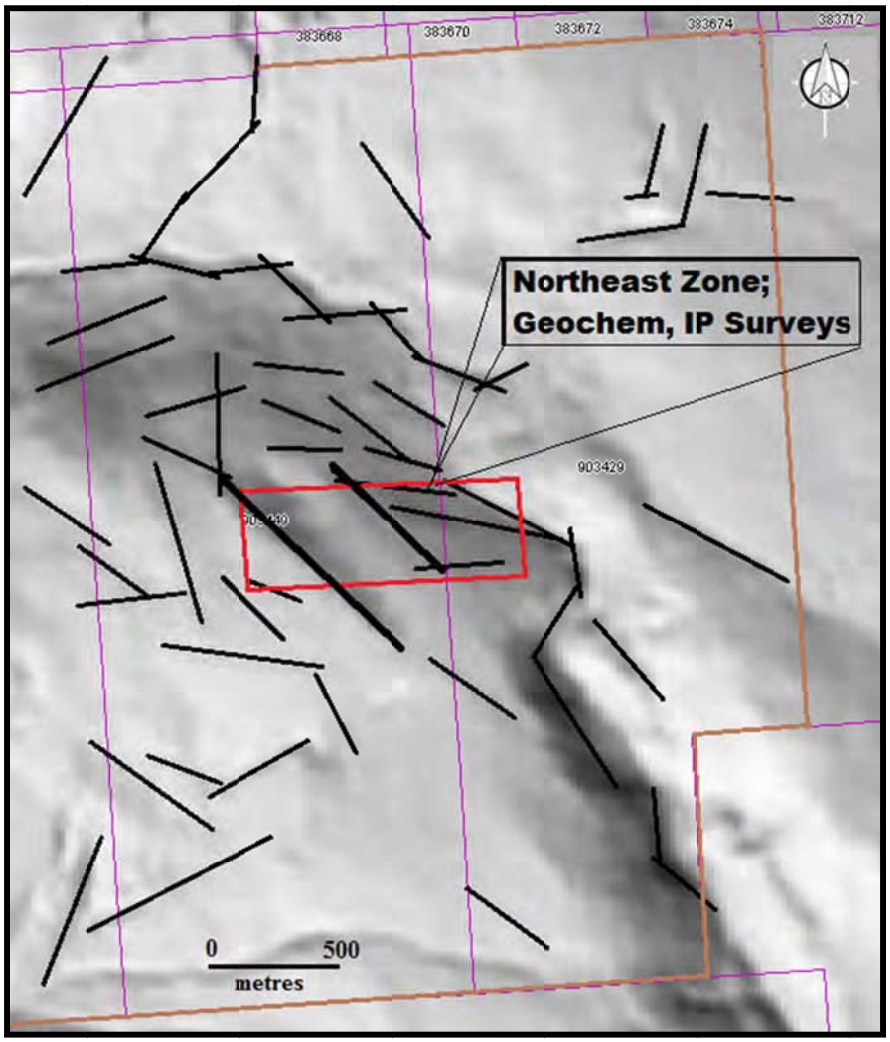
Please see Appendix 1 for full scale map and text values

Earny Resources Exploration Program *(cont'd)*

STRUCTURAL ANALYSIS

A structural analysis was completed over an area of the Northeast Zone. This area was selected after the completion of, and the correlation of, the ground surveys in order to determine any major structural correlation between the geochemical/VLF-EM/IP Anomaly A of the Northeast Zone

Figure 12. **Northeast Zone: Lineaments as Indicated Structures**



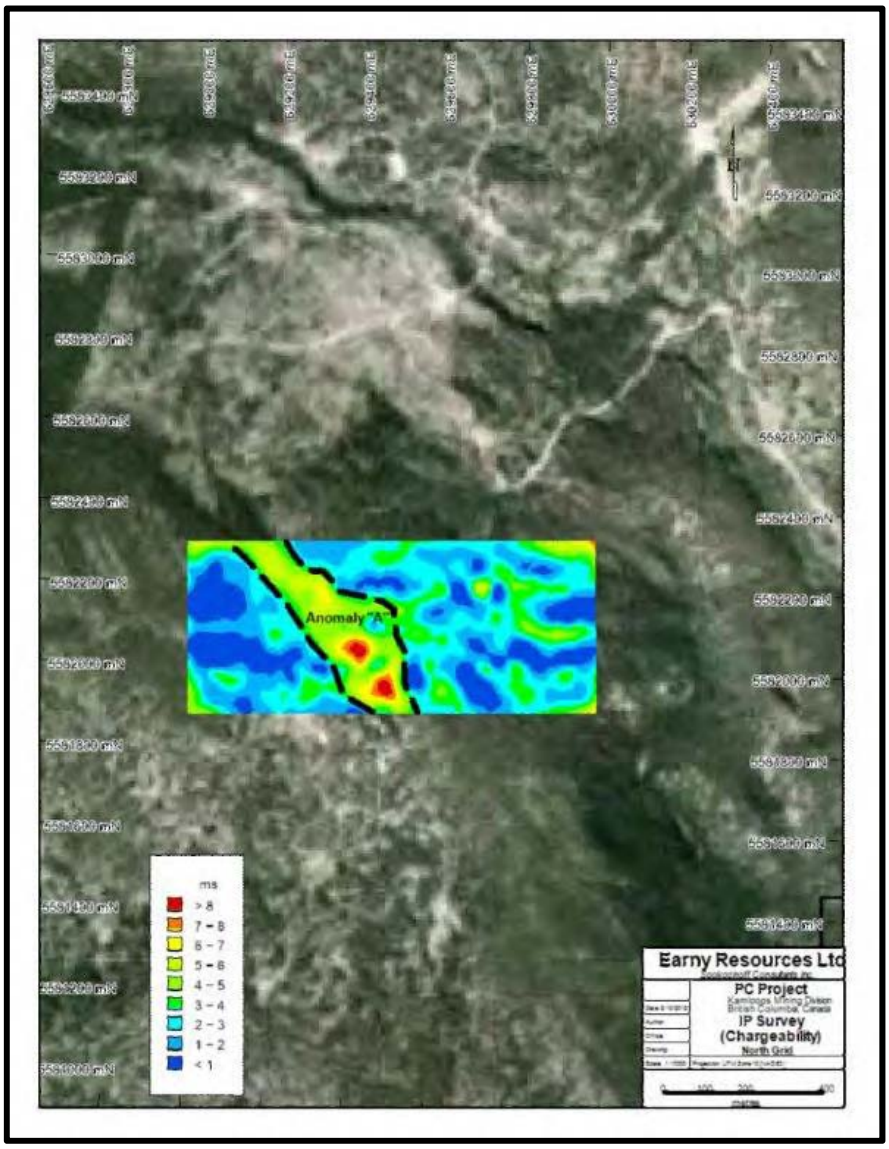
Earny Resources Exploration Program *(cont'd)*

IP SURVEY

a) Introduction

An IP Survey was completed by SJ Geophysics Ltd. of Delta, BC on a localized area of the Northeast Zone over a localized correlative VLF-EM indicated structure and an arsenic in soil anomalous zone.

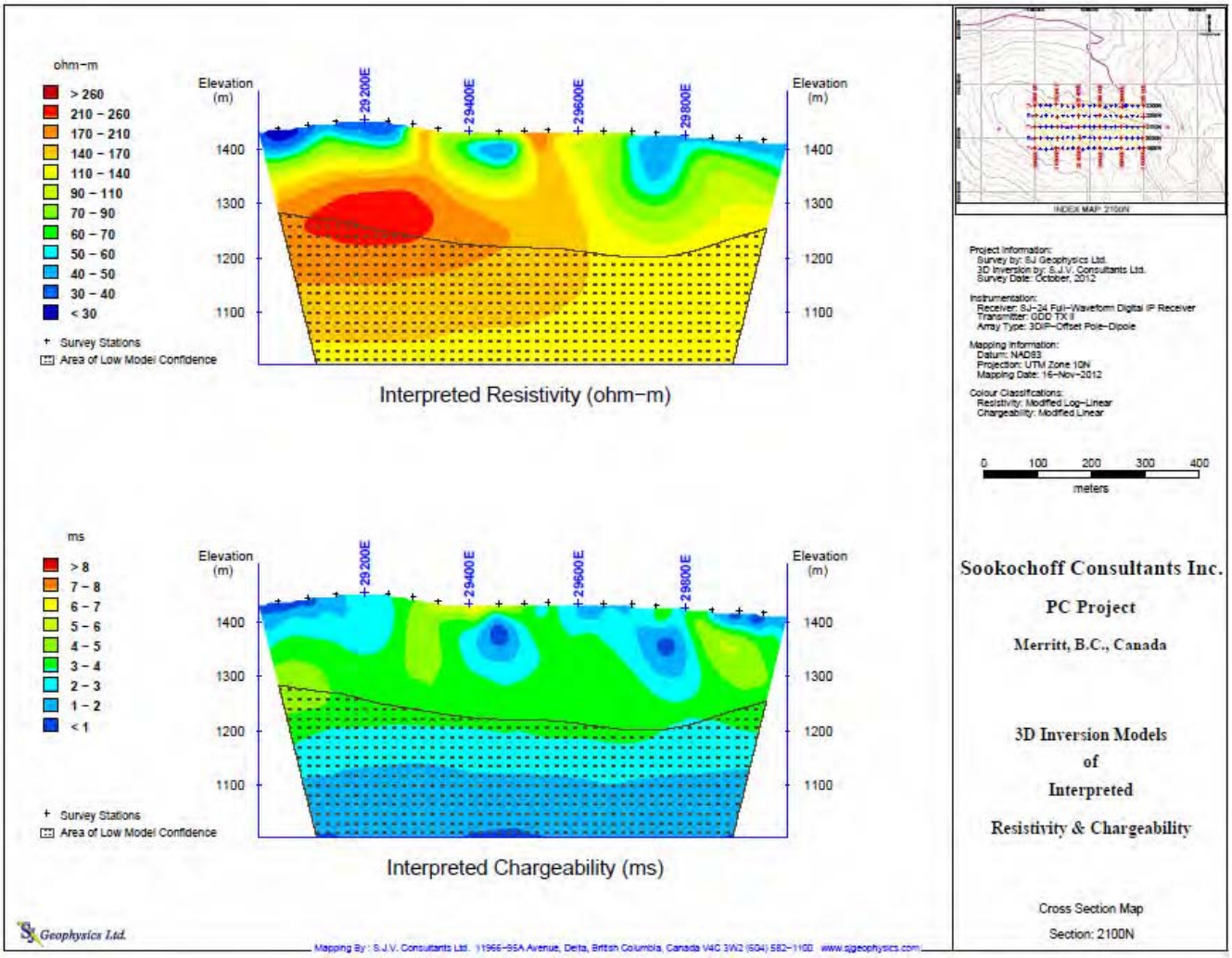
Figure 13. **IP Survey: Chargeabity Plan Map at 25 metres below the Topography**



Earny Resources Exploration Program *(cont'd)*

Figure 14. **IP Survey Results*: Cross Section at 2100N***

(Middle line of five IP lines)
(from SJ Geophysics, 2012)



*A report and a complete set of plan and section maps are included herein as Appendix II.

PROSPECTING

In the prospecting of the south and the north grid area 19 samples were collected. As there are few outcrops on the property, most of the samples were float material which with the combination of geology, soil sample and geophysical results, the source of the float rock could generally be assessed for the source. All samples are from float unless otherwise specified.

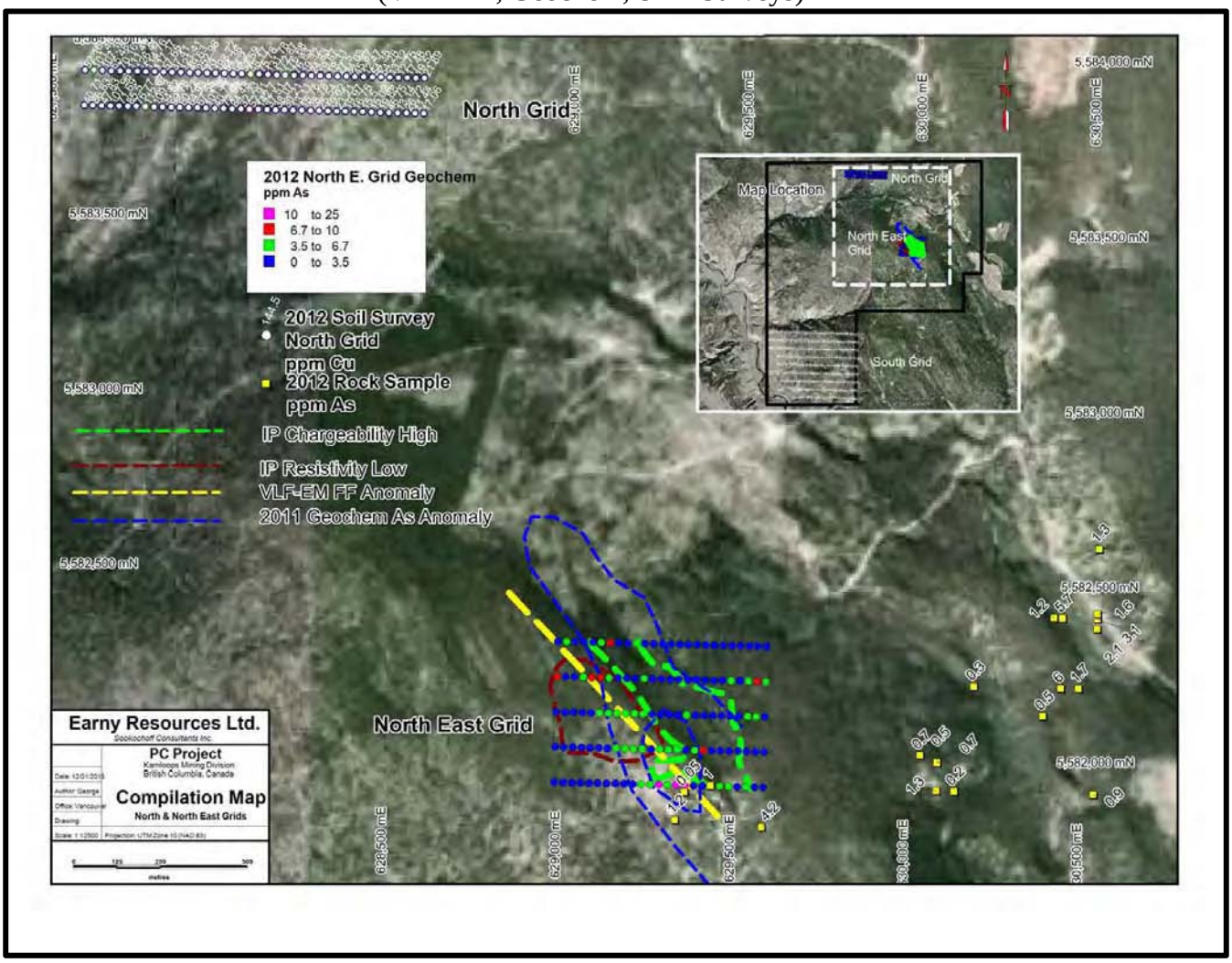
Rock sample locations with arsenic values are shown on Figure 15. Assay Sheet VAN12004813.1 in Appendix II contains the 37 element assays for each of the rock samples.

Table 3: **PC Property: Rock Sample Particulars**

Sample	UTM Grid (N) Location (E)		Description	Copper ppm	Gold ppb	Arsenic ppm
6018	5582200	630450	Breccia: Seriate angular vari-litho fragments	38.38	1.5	6.0
6019	5582400	630550	Dacite: porphyritic;siliceous	5.24	0.5	3.1
6020	5582400	630450	Granodiorite:light disseminated pyrite; trace chalcopyrite	156.60	0.4	5.7
6021	5581785	629600	Flow breccia: rounded fragments <1.5cm in a syenitic seriate matrix with 50% euhedral feldspars	27.34	0.5	4.2
6022	5582400	630425	Granodiorite: hypidio-morphic granular texture	104.8	1.4	1.2
6023	5582200	630200	Feldspar Porphyry: light disseminated pyrite.	33.7	0.2	0.3
6024 Outcrop	5581880	629375	Calcite: 7 cm wide	2.25	<0.2	<0.1
6025	5582200	630500	Granodiorite: Non altered; light disseminated pyrite; limomite splashes.	53.6	0.5	1.7
6026 Outcrop	5581900	630100	Syenitic feldspar porphyry: seriate texture; dark+, soft.	98.03	0.7	1.3
6027	5582120	630400	Granodiorite: dark; biotitic+, obscure quartz stringers	108.6	0.1	0.5
6028	5581900	629450	Andesite: dark; silicified; with light disseminated pyrite, quartz stringers, & pseudo brecciation.	10.11	0.7	1.0
6029 Outcrop	5582000	630050	Granodiorite: altered to aphanitic matrix; moderate+ pink feldspar.	17.29	1.3	0.7
6030	5581800	629350	Andesite tuff: silicified, fine-grained with shards	23.33	0.9	1.2
6031	5581980	630100	Andesite tuff: black shards and moderate pink feldspar	11.58	0.2	0.5
6032 Outcrop	5581900	630550	Syenite: Light grey with pink feldspar.	35.07	<0.2	0.9
6033	5581980	630100	Andesite tuff: Dark aphanitic matrix with shards and flooded pink feldspar	20.88	<0.2	0.7
6034	5581900	630150	Andesite: blackish with flooded pink feldspar	75.44	<0.2	0.2
6035	5582600	630550	Andesite: porphyritic, black with light disseminated pyrite	63.10	0.4	1.3
6036	5582415	630550	Granodiorite: Non altered with fringe of pink feldspar, chalcopyrite blebs & malachite	1,402	8.7	1.6
6037	5582370	630550	Andesite: aphanitic; black	66.90	1.0	2.1

Figure 15. **Northeast Zone: Compilation Map**

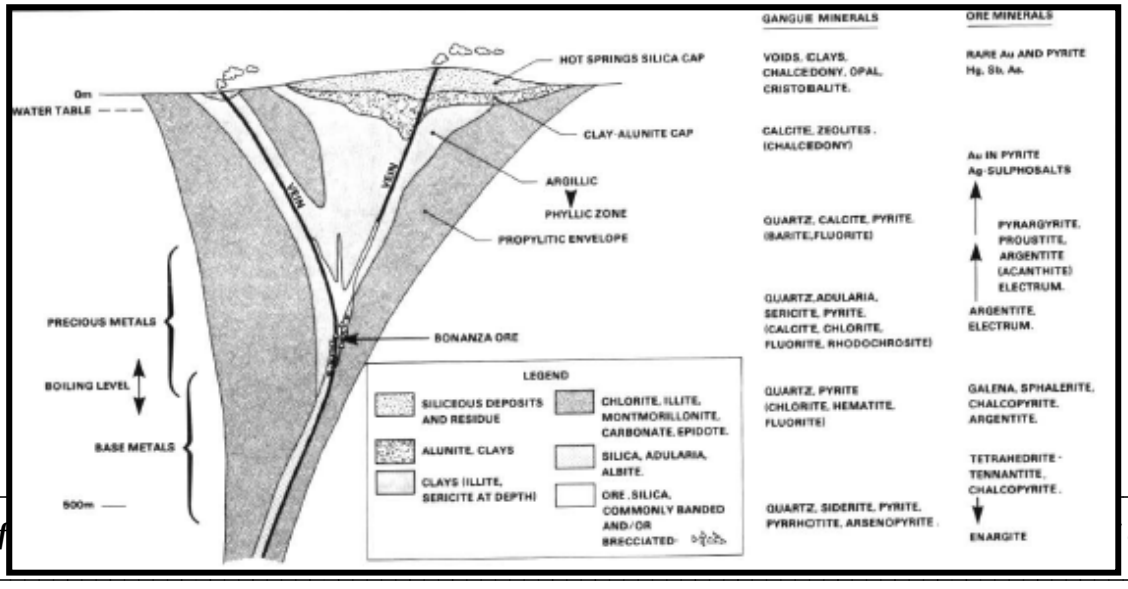
(VLF-EM, Geochem, & IP Surveys)



Please see Appendix 1 for full scale map and text values

Figure 16. **Epithermal Model**

(from Panteleyev)



CONCLUSIONS

From the 2011 coverage of the heart of the PC Property with a soil geochemical program, and utilizing the results of that survey, the progressive localization of exploration in the 2012 program was the basis for the successful delineation of three general areas which incorporate two localized general zones and one specific zone of potential structurally hosted epithermal mineralization. In addition, the exploration results revealed one area of a potential porphyry copper-gold mineralized intrusive.

At the Northeast Zone, correlative geophysical and geochemical anomalies indicated the specific localization of a classic mineralized epithermal system model *(Figure 16).* The VLF-EM survey delineated the potential structure for the mineralization, the soil geochemical survey revealed the surficial mineral indicators of a mineralized epithermal zone which could host the potential underlying bonanza zone of mineralization, and the Induced Potential survey indicated a potential quartz/silicified zone, the bordering argillic and/or phyllic alteration zone. Included in the alteration pattern is potassic alteration which is common to an epithermal system in a volcanic terrane but could be misleading within a potassic intrusive terrane.

The pattern to the anomalous Geochem and IP results on the VLF-EM indicated structure is that the structure and thus the epithermal zone are dipping to the southwest. The indicators for this are:

- Anomalous arsenic values on the footwall of the structure;
- Anomalous IP on the footwall possibly indicating the main quartz zone and the bordering silicified zone
- Resistivity lows on the hanging wall indicating an argillic? alteration zone

The Northeast Zone correlative anomaly is open and indicated to extend southeastward where, 100 metres distant, a rock sample with one of the highest contained arsenic values (Sample 6021: 4.2 ppm) in outcrop was located in this heavily overburdened area. The rock sample is described as a flow breccia but may be a milled hydrothermal breccia, an attendant feature to an epithermal system.

The structural analysis indicated the Anomaly A structure to extend some 200 metres southwestward.

In the **South Zone** two VLF-EM/arsenic soil correlative anomalies are indicated as potential mineralized epithermal hosting structures. These locations require additional exploration to determine the degree of their indicated potential.

The **North Zone** soil geochemical survey results (Assay sheet VAN12004767; Appendix I) returned sporadic anomalous copper-in-soil values; a surficial indicator to a potential underlying mineral bearing intrusive.

The magnetometer survey results were inconclusive.

RECOMMENDATIONS

South Zone

- Additional detailed soil geochem surveys to the south on anomalous zones of Areas A & B to determine the extent of the zone:
- Additional detailed soil geochem surveys over other selected anomalous indicated VLF-EM structures as the one designated as C on Figure 9;
- An IP survey over pre-selected areas of the anomalous zones.

North Zone

- An IP survey on the two grid lines of the 2012 geochem survey to determine the significance of the anomalous soil copper values as an indication of a copper bearing intrusive.
- Additional detailed soil geochem surveys to the south to determine the extent of the anomalous zone. Any exploration to the north would not be on the PC Property.

Northeast Zone

- Additional detailed geochem and IP surveys on the southeast extension of Anomaly A to determine the extent of the anomalous zone ;
- A diamond drill program to initially test the prime anomalous target to determine the significance of the variable anomalies as to indicators of mineralized epithermal systems.

Respectfully submitted

Sookochoff Consultants Inc.

Laurence Sookochoff, PEng

May 8, 2013
Vancouver, BC Canada

STATEMENT OF COSTS

The fieldwork on the Earny Resources Ltd. PC Property was carried out between September 15, 2012 and November 15, 2012 to the value as follows:

IP Survey

SJ Geophysics Ltd. October 17-20, 2012

IP: Field work & reporting (Contract: as per Invoice) ----------		$ 20,000.00
Soil Survey		
Ira Leimanis, Phil Maher: 16 days @$1,000.00/day (all-in) ------		16,000.00
Magnetometer & VLF-EM Surveys		
Luc Leimanis, Emil Leimanis: 22 days @$1,350.00/day (all-in) -		29,600.00
Prospecting		
Jerry Ruza: 11 days @$475.00 (all-in) ----------		5,225.00
Assaying (Acme Analytical) Invoices		
VANI148833	$ 619.64	
VANI149088	3,670.80	
VANI149917	525.50	
VANI150116	2,740.86	
VANI150579	5,041.23 ----------	12,598.03
Property examination & field supervision		
Laurence Sookochoff, PEng		
14days @ $ 750/day ----------	10,500.00	
Expenses (Rentals, accommodation, meals, sundry)	3,000.00 -	13,500.00
Reporting ----------		6,500.00
		$ 103,423.03
		========

REFERENCES

Allis, R.G., 1990: Geophysical anomalies over epithermal systems: Journal of Geochemical Exploration, v. 36, p. 339-374

Bisdorf, R.J., 1995: Correlation of electrical geophysical data with lithology and degree of alteration at the Summitville mine site, in Summitville Forum '95: Colorado Geological Survey, Special Publication 38, p. 70-63.

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Marshak, S., Mitra, G. – Basic Methods of Structural Geology. pp 258-259, 264*

.Prentice-Hall Inc. 1988

MtOnline - MINFILE downloads.

Nishikawa, N. 1992: The use of electrical methods in recent exploration for epithermal gold deposits in Japan: Exploration Geophysics, v. 23, no.1 and 2, p. 249-254.

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Raven, W. 2012: N43-101 Technical Report on the PC Project for Earny Resources Ltd. February 28, 2012

Sookochoff, L., Zhonghua, P. – 2010: Dansey Project Technical Report for Logan Copper Inc. April 23, 2010

Sookochoff, L. – Assessment Report on Geochemical, Geophysical Surveys and a Diamond Drill Program on the Highland North Claim Group for Blue River Resources Inc. May 3, 2013.

CERTIFICATE

I, Laurence Sookochoff, of the City of Vancouver, in the Province of British Columbia, do hereby certify:

That I am a Consulting Geologist and principal of Sookochoff Consultants Inc. with an address at 120 125A-1030 Denman Street, Vancouver, BC V6G 2M6.

I, Laurence Sookochoff, further certify that:

1) I am a graduate of the University of British Columbia (1966) and hold a B.Sc. degree in Geology.

2) I have been practicing my profession for the past forty-six years.

3) I am registered and in good standing with the Association of Professional Engineers and Geoscientists of British Columbia.

4) The information for this report is based on information as itemized in the Selected Reference section of this report, from the property examination and the supervision of the PC Property exploration program as described herein, and from the results derived from the exploration program.

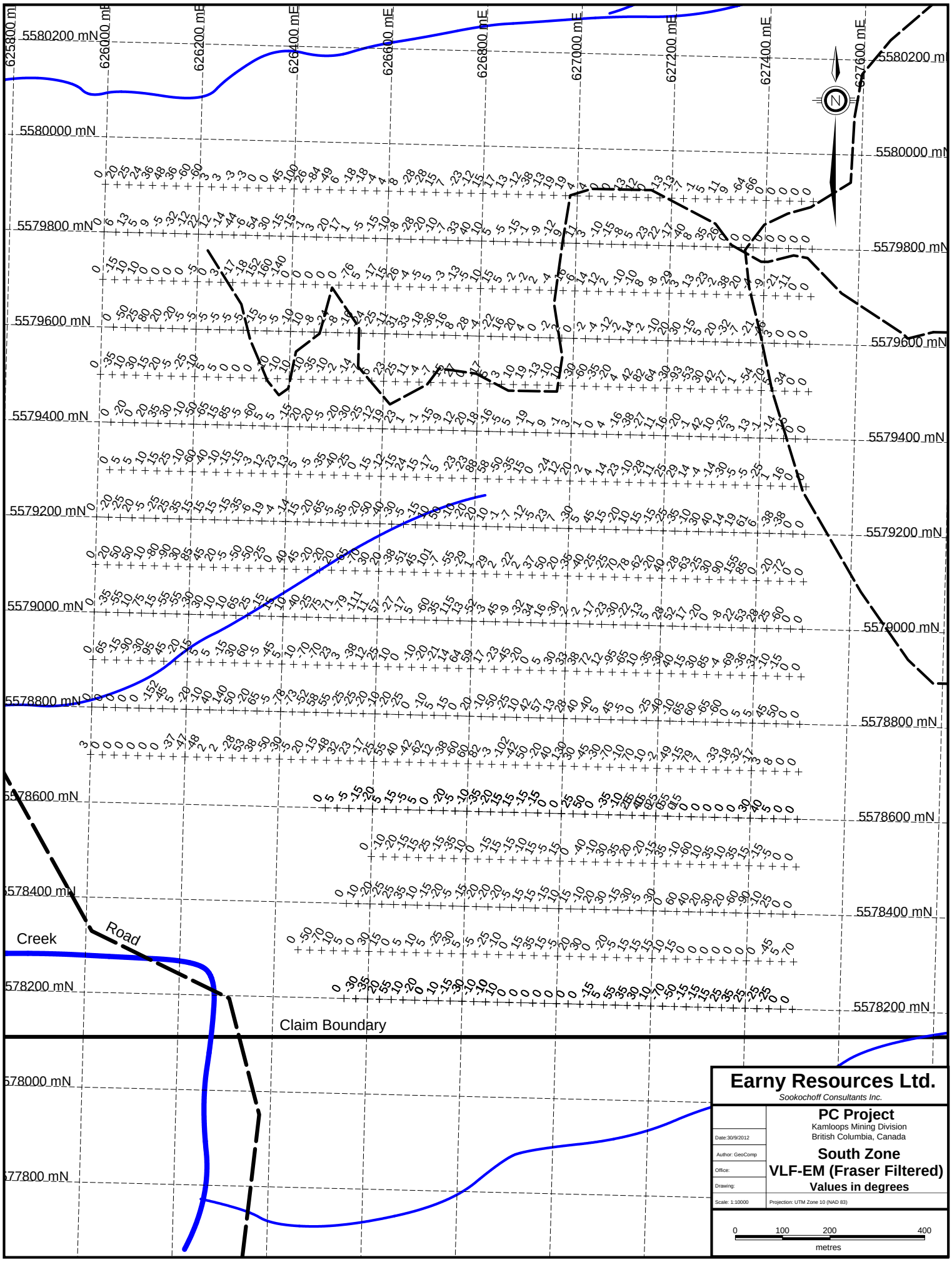
5) I have no interest in Earny Resources Ltd. or in the PC Claim Group as described herein.

Laurence Sookochoff, PEng

May 8, 2013
Vancouver, BC Canada

Appendix I

MAPS WITH TEXT AND TO SCALE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Creek
Road
Claim Boundary
Earny Resources Ltd.
Sookochoff Consultants Inc.
PC Project
Kamloops Mining Division
British Columbia, Canada
South Zone
VLF-EM (Fraser Filtered)
Values in degrees
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Author: GeoComp
Office:
Drawing:
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)
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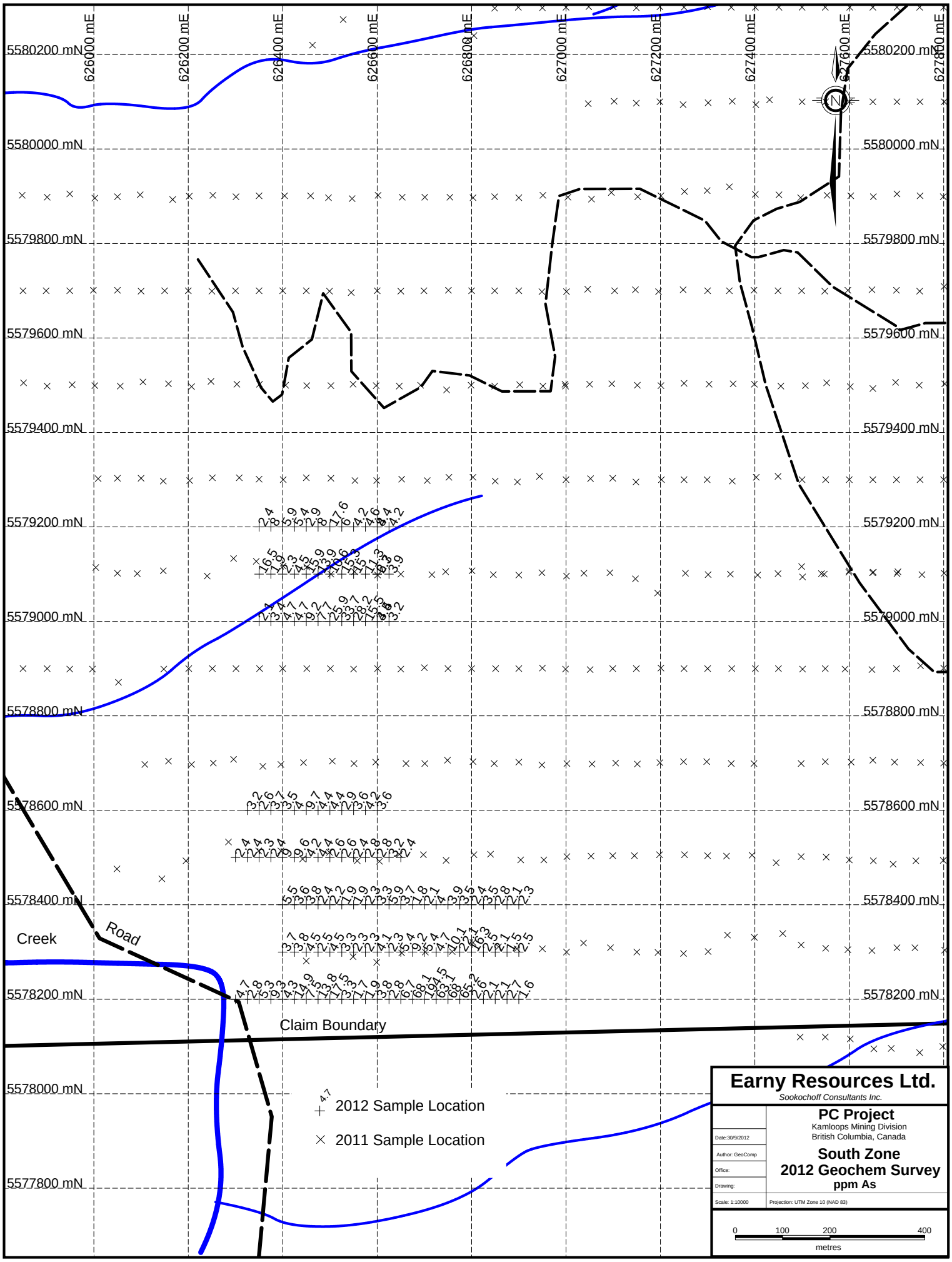
metres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5578000 mN
5577800 mN
N
Creek
Road
Claim Boundary
2012 Sample Location
2011 Sample Location
Earny Resources Ltd.
Sookochoff Consultants Inc.
PC Project
Kamloops Mining Division
British Columbia, Canada
South Zone
2012 Geochem Survey
ppm As
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Author: GeoComp
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Drawing:
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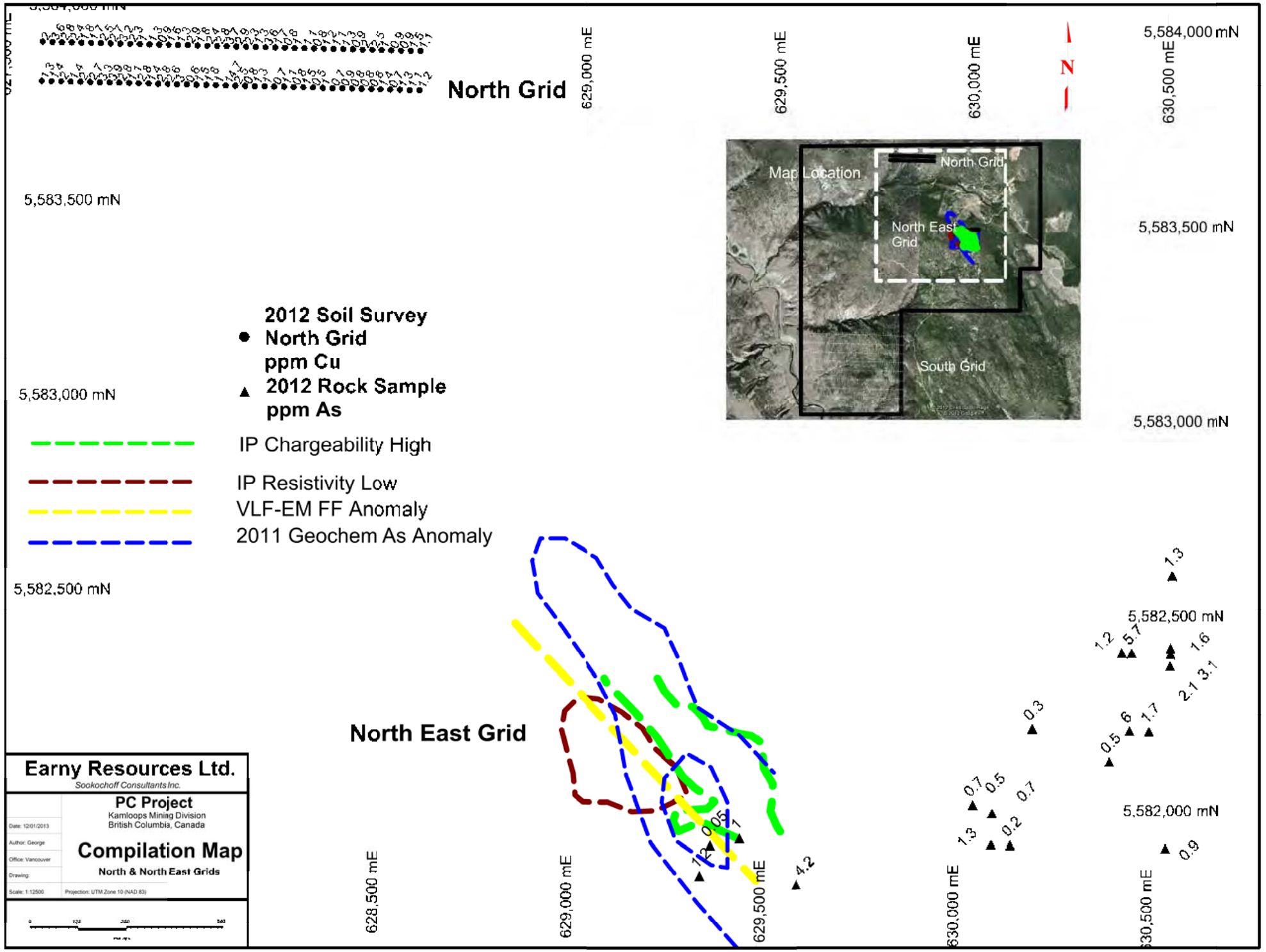
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2011 Geochem As Anomaly
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Earny Resources Ltd.
Sookochoff Consultants Inc.
PC Project
Kamloops Mining Division
British Columbia, Canada
Compilation Map
North & North East Grids
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Author: George
Office: Vancouver
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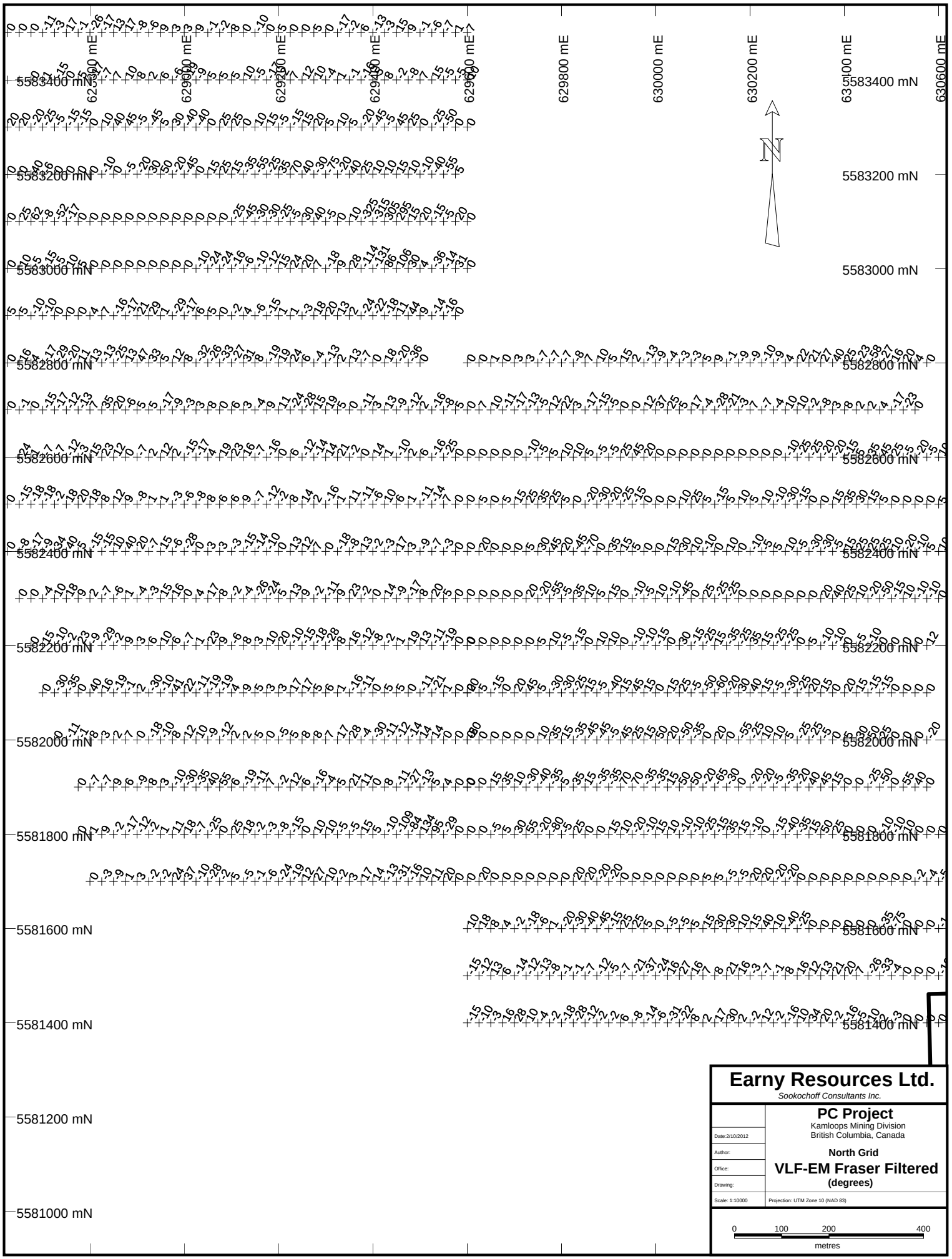
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Earny Resources Ltd.
Sookochoff Consultants Inc.
PC Project
Kamloops Mining Division
British Columbia, Canada
North Grid
VLF-EM Fraser Filtered
(degrees)
Date: 2/10/2012
Author:
Office:
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Scale: 1:10000
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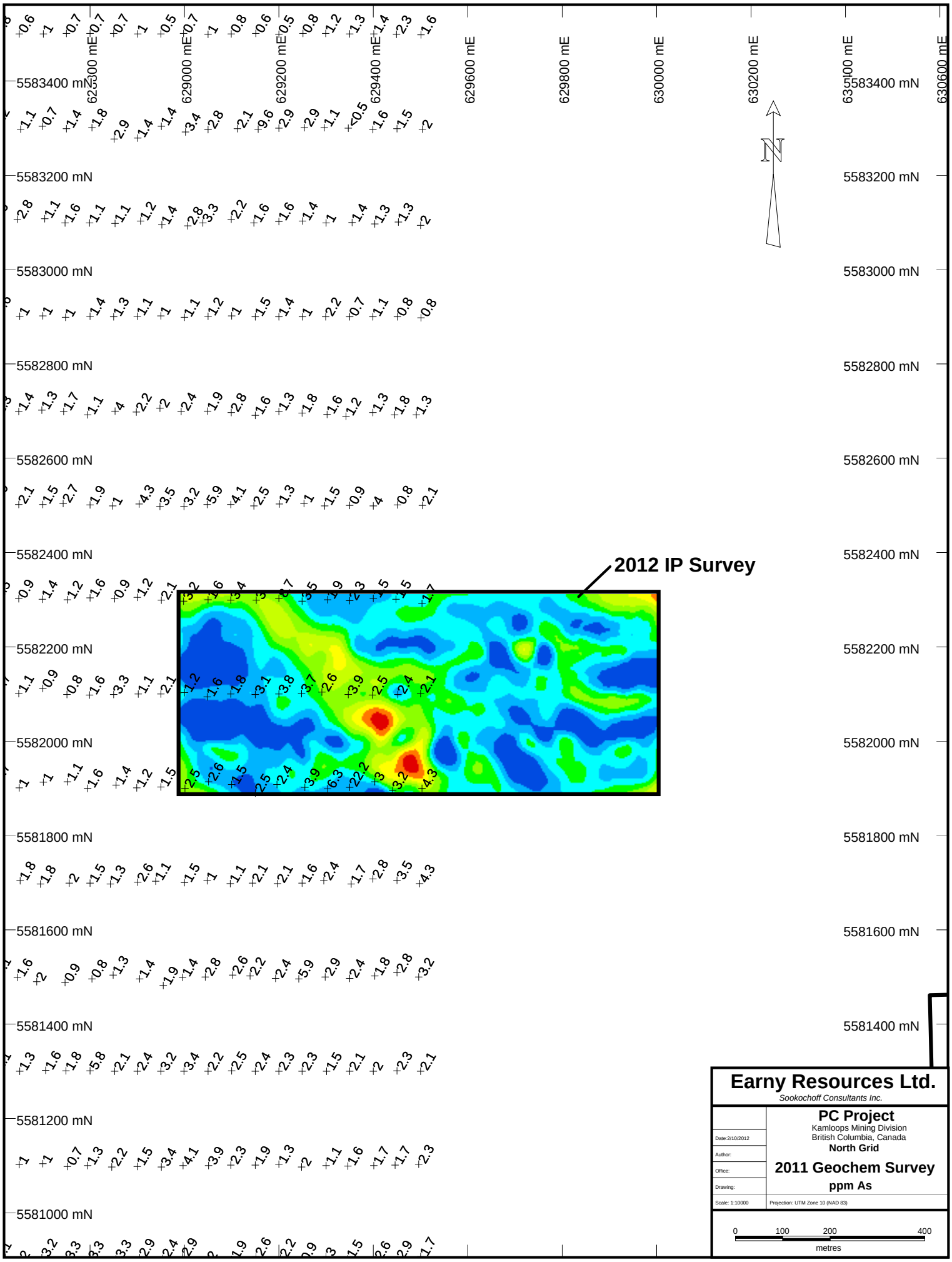

Earny Resources Ltd.

Sookochoff Consultants Inc.

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Author:	
Office:	
Drawing:	**ppm As**
Scale: 1:10000	Projection: UTM Zone 10 (NAD 83)

0 100 200 400

metres

Appendix II

ASSAY CERTIFICATES

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

www.acmelab.com

Client: **Sookochoff Consultants Inc.**
120 125A - 1030 Denman Street
Vancouver BC V6G 2M6 CANADA

Submitted By: Laurence Sookochoff
Receiving Lab: Canada-Vancouver
Received: October 05, 2012
Report Date: November 06, 2012
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN12004766.1

CLIENT JOB INFORMATION

Project: IRON MASK
Shipment ID:
P.O. Number
Number of Samples: 206

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	206	Dry at 60C			VAN
SS80	206	Dry at 60C sieve 100g to -80 mesh			VAN
1F01	206	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Sookochoff Consultants Inc.
120 125A - 1030 Denman Street
Vancouver BC V6G 2M6
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Client: **Sookochoff Consultants Inc.**
120 125A - 1030 Denman Street
Vancouver BC V6G 2M6 CANADA

Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
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	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1900 BL00	Soil	0.25	14.09	6.82	86.1	38	12.2	4.7	122	1.57	1.4	1.1	2.0	1.1	49.5	0.09	0.05	0.12	29	0.64	0.032
1900 1W	Soil	0.56	5.96	3.21	65.1	29	4.5	2.8	635	1.05	1.2	0.1	1.0	0.3	20.4	0.09	0.03	0.06	26	0.19	0.017
1900 2W	Soil	0.55	23.59	4.42	61.0	60	10.1	5.5	245	1.90	4.4	0.3	1.0	1.3	78.9	0.06	0.06	0.08	51	0.34	0.032
1900 3W	Soil	0.40	8.37	3.00	74.3	38	7.0	4.0	544	1.49	1.6	0.2	1.3	0.7	38.6	0.08	0.04	0.15	40	0.28	0.021
1900 4W	Soil	0.78	28.97	6.65	59.3	92	11.2	6.8	852	1.78	4.3	1.0	1.1	0.7	80.8	0.16	0.09	0.12	36	1.20	0.037
1900 5W	Soil	0.66	13.10	4.45	98.1	92	14.0	6.9	807	1.75	3.5	0.2	1.2	0.8	35.0	0.10	0.04	0.08	39	0.20	0.076
1900 6W	Soil	0.75	79.78	6.26	55.1	78	45.2	16.5	300	3.71	24.4	1.0	1.1	2.3	343.3	0.06	0.16	0.09	78	0.88	0.070
1900 7W	Soil	0.34	8.66	3.09	57.0	16	7.0	4.0	460	1.34	1.0	0.1	1.1	0.6	54.0	0.03	0.04	0.05	36	0.23	0.009
1900 8W	Soil	0.78	10.77	3.08	74.9	14	10.6	4.2	850	1.41	2.6	0.2	0.6	0.7	54.7	0.07	0.04	0.06	35	0.32	0.016
1900 9W	Soil	0.86	32.75	4.88	108.5	26	55.2	14.5	1504	3.03	12.3	0.4	0.5	1.7	87.5	0.11	0.06	0.08	53	0.79	0.037
1900 10W	Soil	0.78	46.74	4.60	88.7	44	76.7	17.9	964	3.53	21.3	0.5	0.8	2.2	101.0	0.11	0.07	0.08	64	0.69	0.045
1900 11W	Soil	0.73	16.30	4.22	104.1	37	15.1	5.1	1068	1.54	3.6	0.2	0.4	1.0	79.2	0.12	0.07	0.06	35	0.66	0.029
1900 12W	Soil	0.72	45.76	9.03	105.2	53	61.5	18.0	1814	3.02	10.6	0.4	0.4	1.7	133.6	0.17	0.09	0.09	59	1.37	0.061
1900 13W	Soil	1.05	49.61	8.32	131.2	40	74.6	19.0	2409	2.66	5.6	0.4	0.8	1.6	96.3	0.24	0.06	0.08	49	1.08	0.046
1900 14W	Soil	0.83	28.60	6.14	75.3	27	39.5	12.2	1289	2.18	4.6	0.4	1.0	1.7	90.2	0.15	0.06	0.07	44	0.54	0.032
1900 15W	Soil	0.63	13.27	4.78	91.4	30	11.7	4.1	1020	1.19	2.4	0.1	1.7	0.7	60.6	0.12	0.06	0.06	25	0.57	0.026
1900 16W	Soil	0.37	9.00	3.15	34.5	21	11.4	5.0	238	1.36	1.6	0.2	1.1	0.9	63.1	0.02	0.04	0.04	35	0.30	0.014
1900 17W	Soil	0.53	10.08	2.95	96.5	23	10.3	3.3	847	1.07	1.6	0.1	<0.2	0.4	48.2	0.11	0.04	0.04	21	0.34	0.020
1900 18W	Soil	0.53	5.93	2.65	59.8	12	7.5	2.1	490	0.80	0.9	<0.1	0.4	0.5	37.9	0.08	0.03	0.04	17	0.21	0.010
1900 19W	Soil	0.56	14.12	4.29	61.0	20	10.1	4.3	652	1.34	2.5	0.2	0.4	0.9	93.5	0.12	0.05	0.05	32	0.45	0.028
1900 20W	Soil	0.57	10.62	3.26	78.4	40	7.2	3.2	820	1.23	2.1	0.1	0.3	0.5	45.8	0.07	0.03	0.05	28	0.20	0.023
1900 21W	Soil	0.84	18.20	5.41	94.5	24	11.1	5.1	1242	1.64	2.6	0.2	0.6	0.9	73.5	0.18	0.08	0.07	40	0.54	0.035
1900 22W	Soil	0.41	10.34	3.72	35.3	14	5.9	3.5	359	1.31	2.0	0.2	0.5	1.0	43.9	0.06	0.06	0.05	36	0.25	0.014
1900 23W	Soil	0.58	13.53	4.85	93.9	17	8.3	3.9	990	1.50	1.7	0.3	0.3	1.2	49.0	0.09	0.07	0.07	37	0.32	0.015
1900 24W	Soil	0.65	13.95	4.36	44.4	19	6.9	4.4	429	1.55	2.4	0.2	<0.2	0.8	57.3	0.06	0.08	0.07	43	0.32	0.019
2000 BL0	Soil	0.44	11.92	4.78	56.4	31	7.7	5.0	237	1.77	2.4	0.2	0.6	0.8	76.9	0.04	0.04	0.07	50	0.31	0.027
2000 1W	Soil	0.43	15.57	5.60	57.3	29	10.5	5.1	267	1.75	2.1	0.3	0.5	1.1	58.1	0.05	0.04	0.07	45	0.36	0.022
2000 2W	Soil	0.60	11.29	5.13	53.5	17	8.9	5.2	286	1.68	1.8	0.2	1.2	0.9	60.6	0.06	0.05	0.07	43	0.35	0.027
2000 3W	Soil	0.41	16.07	5.12	51.3	45	8.8	5.1	326	1.83	2.6	0.3	0.8	1.0	110.0	0.04	0.04	0.06	55	0.38	0.023
2000 4W	Soil	0.44	22.97	4.72	57.1	74	12.9	6.4	189	2.10	3.4	0.4	<0.2	1.6	78.5	0.05	0.06	0.06	61	0.36	0.026

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1900 BL00	Soil		6.4	19.6	0.38	67.8	0.087	<20	2.01	0.016	0.13	<0.1	3.9	0.06	<0.02	30	<0.1	<0.02	6.0
1900 1W	Soil		1.9	8.5	0.12	97.9	0.061	<20	0.84	0.012	0.08	<0.1	1.0	0.05	<0.02	16	<0.1	<0.02	2.6
1900 2W	Soil		3.7	16.4	0.30	156.7	0.118	<20	1.30	0.013	0.23	<0.1	3.1	0.08	<0.02	15	<0.1	<0.02	4.4
1900 3W	Soil		2.7	12.2	0.18	119.0	0.086	<20	1.14	0.012	0.14	<0.1	1.6	0.04	<0.02	9	<0.1	<0.02	3.4
1900 4W	Soil		8.1	16.3	0.37	109.1	0.086	<20	1.62	0.016	0.14	<0.1	3.2	0.06	0.04	99	0.4	<0.02	5.6
1900 5W	Soil		3.0	18.5	0.24	138.4	0.108	<20	1.65	0.014	0.09	<0.1	2.3	0.07	<0.02	24	<0.1	<0.02	5.4
1900 6W	Soil		9.4	38.5	1.07	275.4	0.050	<20	3.04	0.009	0.24	<0.1	9.6	0.19	<0.02	20	0.2	<0.02	8.0
1900 7W	Soil		2.4	15.0	0.16	159.7	0.083	<20	0.94	0.019	0.09	<0.1	1.9	0.05	<0.02	7	0.1	<0.02	2.6
1900 8W	Soil		3.1	15.7	0.19	130.1	0.069	<20	1.01	0.014	0.15	<0.1	2.3	0.07	<0.02	12	<0.1	<0.02	2.9
1900 9W	Soil		8.7	46.7	0.37	162.5	0.072	<20	1.68	0.018	0.29	<0.1	9.1	0.17	<0.02	34	0.1	<0.02	5.1
1900 10W	Soil		10.5	58.8	0.40	152.8	0.073	<20	1.69	0.020	0.31	<0.1	11.0	0.16	<0.02	12	0.4	<0.02	5.1
1900 11W	Soil		5.1	21.8	0.25	177.7	0.077	<20	1.07	0.015	0.23	<0.1	3.4	0.08	<0.02	33	<0.1	<0.02	3.5
1900 12W	Soil		9.4	47.7	0.40	257.2	0.057	<20	1.60	0.019	0.25	<0.1	9.4	0.09	0.02	40	<0.1	<0.02	4.8
1900 13W	Soil		9.4	55.1	0.40	335.4	0.053	<20	1.39	0.019	0.28	<0.1	7.8	0.08	<0.02	34	<0.1	<0.02	4.2
1900 14W	Soil		9.7	39.0	0.32	255.3	0.070	<20	1.42	0.021	0.22	<0.1	5.1	0.09	<0.02	11	<0.1	<0.02	4.4
1900 15W	Soil		3.1	20.7	0.19	181.9	0.063	<20	0.83	0.016	0.21	<0.1	2.0	0.06	0.02	33	0.1	<0.02	2.6
1900 16W	Soil		3.2	23.3	0.19	143.6	0.084	<20	0.94	0.022	0.16	<0.1	2.2	0.05	<0.02	8	<0.1	<0.02	2.8
1900 17W	Soil		3.0	14.6	0.17	189.5	0.049	<20	0.80	0.017	0.17	<0.1	1.8	0.04	<0.02	36	0.1	<0.02	2.4
1900 18W	Soil		1.8	11.0	0.11	170.1	0.052	<20	0.67	0.014	0.10	<0.1	1.3	0.05	<0.02	6	0.2	<0.02	2.0
1900 19W	Soil		4.9	15.9	0.19	199.2	0.052	<20	1.00	0.014	0.15	<0.1	2.1	0.05	<0.02	36	0.2	<0.02	2.9
1900 20W	Soil		3.3	12.9	0.14	244.6	0.053	<20	0.93	0.014	0.13	<0.1	1.6	0.05	<0.02	23	<0.1	<0.02	2.6
1900 21W	Soil		5.2	19.4	0.23	224.5	0.084	<20	1.10	0.015	0.18	<0.1	2.9	0.07	<0.02	37	<0.1	<0.02	3.7
1900 22W	Soil		4.5	11.3	0.13	132.7	0.064	<20	0.67	0.012	0.14	<0.1	1.7	0.04	<0.02	16	<0.1	<0.02	2.3
1900 23W	Soil		7.0	14.3	0.18	210.9	0.073	<20	0.94	0.013	0.12	<0.1	2.8	0.06	<0.02	22	<0.1	0.02	3.5
1900 24W	Soil		4.0	14.7	0.17	174.1	0.079	<20	0.78	0.014	0.12	<0.1	2.2	0.04	<0.02	23	0.2	<0.02	3.0
2000 BL0	Soil		4.2	15.1	0.21	98.7	0.142	<20	1.46	0.014	0.09	<0.1	3.0	0.05	<0.02	10	0.1	<0.02	4.8
2000 1W	Soil		5.0	16.8	0.27	92.8	0.139	<20	1.46	0.016	0.09	<0.1	3.1	0.04	<0.02	11	0.1	<0.02	5.0
2000 2W	Soil		3.3	17.6	0.24	120.9	0.136	<20	1.35	0.011	0.11	<0.1	2.5	0.05	<0.02	16	0.2	0.03	4.9
2000 3W	Soil		4.3	16.1	0.24	122.6	0.151	<20	1.30	0.014	0.11	<0.1	2.8	0.05	<0.02	8	<0.1	<0.02	5.0
2000 4W	Soil		4.8	21.0	0.34	97.3	0.132	<20	1.41	0.015	0.13	<0.1	3.4	0.08	<0.02	7	0.2	<0.02	5.2

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2000 5W	Soil		0.55	18.71	4.41	64.8	109	13.7	7.5	374	1.97	2.6	0.3	0.4	0.9	30.0	0.03	0.05	0.06	52	0.28	0.042
2000 6W	Soil		0.61	13.40	3.58	37.3	36	6.5	5.1	80	1.47	2.8	0.2	0.4	0.3	27.6	0.03	0.04	0.05	40	0.22	0.021
2000 7W	Soil		0.51	106.3	4.59	57.2	62	16.1	8.4	150	2.46	7.9	1.8	0.9	1.8	73.2	0.05	0.09	0.07	60	0.76	0.028
2000 8W	Soil		0.44	26.56	4.53	123.7	94	23.9	7.7	257	2.06	3.7	0.4	0.3	1.4	42.3	0.12	0.05	0.07	44	0.38	0.079
2000 9W	Soil		0.42	16.11	4.13	90.3	31	20.1	5.4	556	1.70	2.3	0.2	0.3	1.1	57.1	0.07	0.03	0.07	33	0.39	0.015
2000 10W	Soil		0.51	15.87	4.60	64.8	27	11.8	8.0	419	1.88	6.4	0.3	0.2	1.1	132.4	0.05	0.07	0.06	47	0.44	0.031
2000 11W	Soil		0.72	15.77	4.96	78.2	39	14.7	6.0	577	1.88	5.1	0.3	2.3	1.1	147.7	0.07	0.07	0.13	44	0.43	0.027
2000 12W	Soil		0.44	11.99	4.36	43.7	24	14.3	6.3	363	1.69	3.8	0.2	2.7	0.8	108.6	0.05	0.04	0.12	41	0.41	0.022
2000 13W	Soil		0.42	10.77	3.33	71.3	42	13.7	4.4	341	1.48	3.2	0.1	<0.2	0.5	64.1	0.04	0.04	0.09	30	0.31	0.023
2000 14W	Soil		0.49	15.52	3.80	94.8	29	20.8	5.5	840	1.68	3.8	0.2	<0.2	0.8	61.7	0.08	0.04	0.12	34	0.42	0.027
2000 15W	Soil		0.57	12.30	4.20	74.9	25	17.7	5.5	685	1.63	4.9	0.2	<0.2	1.0	57.8	0.02	0.04	0.13	33	0.41	0.024
2000 16W	Soil		0.63	17.15	4.18	85.1	18	22.5	6.1	611	1.83	4.1	0.2	<0.2	1.1	87.0	0.06	0.04	0.08	33	0.48	0.024
2000 17W	Soil		0.49	19.17	4.61	56.5	22	18.8	6.2	344	1.90	3.6	0.3	0.5	1.2	100.1	0.09	0.05	0.09	45	0.37	0.032
2000 18W	Soil		0.56	10.85	3.51	77.1	37	9.8	4.2	539	1.30	1.8	0.1	0.2	0.7	65.3	0.03	0.02	0.06	26	0.30	0.022
2000 19W	Soil		0.25	11.41	3.53	38.1	25	10.9	4.3	378	1.31	1.5	0.2	<0.2	1.1	106.2	0.02	0.02	0.06	30	0.30	0.020
2000 20W	Soil		0.30	12.68	3.89	54.2	44	10.6	4.2	407	1.49	1.6	0.3	<0.2	1.2	144.2	0.04	0.04	0.06	32	0.38	0.015
2000 21W	Soil		0.44	13.26	4.17	62.8	46	7.2	4.4	362	1.41	2.2	0.6	<0.2	0.6	161.1	0.03	0.03	0.08	29	0.30	0.023
2000 22W	Soil		0.46	12.39	3.96	49.8	49	8.0	4.6	598	1.38	1.3	0.3	1.1	0.7	68.5	0.05	0.04	0.07	30	0.33	0.016
2000 23W	Soil		0.36	9.61	3.73	55.0	38	7.0	3.9	350	1.39	1.4	0.2	<0.2	1.0	48.5	0.04	0.03	0.07	35	0.23	0.017
2000 24W	Soil		0.53	9.41	4.54	68.6	41	7.9	3.7	733	1.41	1.4	0.2	<0.2	1.0	50.1	0.07	0.04	0.08	32	0.30	0.016
2100 BL00	Soil		1.27	8.20	4.82	156.9	59	11.0	4.2	1396	1.49	1.5	0.1	<0.2	0.6	52.6	0.16	0.04	0.08	32	0.51	0.155
2100 1W	Soil		0.37	25.36	3.68	52.7	55	13.6	7.1	201	3.00	5.3	0.5	<0.2	1.4	203.4	0.04	0.04	0.05	89	0.54	0.065
2100 2W	Soil		0.59	26.32	4.26	65.4	114	12.2	6.6	306	2.60	4.4	0.4	<0.2	1.3	104.2	0.06	0.03	0.07	73	0.41	0.075
2100 3W	Soil		1.11	12.16	5.57	108.1	29	7.5	4.1	1101	1.78	2.3	0.2	<0.2	1.1	98.2	0.14	0.03	0.07	40	0.39	0.037
2100 4W	Soil		0.44	8.05	4.12	86.8	57	6.6	3.9	733	1.49	0.8	0.2	<0.2	0.6	105.7	0.07	<0.02	0.07	36	0.30	0.024
2100 5W	Soil		0.55	7.21	4.24	66.5	37	6.1	4.3	870	1.36	1.8	0.2	<0.2	0.6	47.5	0.07	0.04	0.07	34	0.29	0.037
2100 6W	Soil		0.55	26.01	4.72	37.1	13	9.7	7.3	390	2.31	3.1	0.3	<0.2	0.9	74.2	0.02	0.08	0.05	63	0.45	0.020
2100 7W	Soil		0.38	12.08	5.00	68.0	79	10.7	5.7	250	1.70	1.8	0.2	<0.2	0.9	34.4	0.06	0.03	0.08	39	0.34	0.034
2100 8W	Soil		0.71	11.55	5.11	82.7	78	10.5	6.1	978	1.77	2.7	0.2	<0.2	1.1	57.2	0.09	0.06	0.07	44	0.32	0.034
2100 9W	Soil		0.54	29.34	5.35	124.3	171	26.2	7.7	257	2.27	5.0	0.4	<0.2	1.6	33.0	0.11	0.08	0.08	45	0.30	0.153

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2000 5W	Soil		3.3	18.7	0.29	123.7	0.114	<20	1.62	0.012	0.10	<0.1	2.5	0.06	<0.02	19	<0.1	<0.02	5.3
2000 6W	Soil		2.2	12.1	0.20	75.1	0.076	<20	1.14	0.011	0.05	<0.1	1.4	0.04	<0.02	14	<0.1	0.03	4.2
2000 7W	Soil		17.0	19.9	0.48	78.8	0.115	<20	1.83	0.021	0.08	<0.1	4.6	0.07	<0.02	36	0.2	<0.02	6.9
2000 8W	Soil		4.7	23.8	0.38	158.4	0.117	<20	1.84	0.013	0.13	0.2	3.1	0.05	<0.02	6	<0.1	<0.02	5.8
2000 9W	Soil		4.3	30.2	0.26	156.5	0.091	<20	1.32	0.020	0.16	<0.1	3.9	0.07	<0.02	14	0.1	<0.02	4.0
2000 10W	Soil		3.5	23.3	0.32	152.2	0.132	<20	1.39	0.013	0.18	<0.1	3.5	0.08	<0.02	16	<0.1	<0.02	4.7
2000 11W	Soil		3.6	21.0	0.34	140.0	0.126	<20	1.59	0.014	0.14	<0.1	3.6	0.06	<0.02	<5	<0.1	<0.02	4.9
2000 12W	Soil		3.0	26.0	0.29	154.5	0.104	<20	1.23	0.020	0.11	<0.1	3.8	0.08	<0.02	<5	<0.1	0.04	3.9
2000 13W	Soil		2.3	17.8	0.19	126.1	0.069	<20	1.12	0.016	0.07	<0.1	3.0	0.07	<0.02	7	<0.1	0.03	3.2
2000 14W	Soil		3.1	24.8	0.27	174.5	0.077	<20	1.15	0.018	0.14	<0.1	3.9	0.09	<0.02	25	<0.1	<0.02	3.6
2000 15W	Soil		4.1	26.2	0.26	151.5	0.086	<20	1.30	0.020	0.08	<0.1	3.6	0.07	<0.02	24	<0.1	<0.02	4.0
2000 16W	Soil		4.3	29.8	0.30	210.7	0.063	<20	1.25	0.019	0.14	<0.1	4.4	0.09	<0.02	20	<0.1	0.03	3.6
2000 17W	Soil		4.6	30.5	0.32	201.0	0.101	<20	1.35	0.019	0.18	<0.1	4.3	0.11	<0.02	<5	<0.1	<0.02	3.8
2000 18W	Soil		3.6	21.0	0.18	208.2	0.064	<20	0.95	0.020	0.16	<0.1	2.6	0.05	<0.02	<5	<0.1	<0.02	3.0
2000 19W	Soil		3.9	21.2	0.21	224.7	0.065	<20	0.98	0.022	0.21	<0.1	2.9	0.04	<0.02	<5	<0.1	<0.02	2.6
2000 20W	Soil		5.0	22.2	0.25	250.1	0.070	<20	1.15	0.022	0.18	<0.1	3.3	0.05	<0.02	10	<0.1	<0.02	3.2
2000 21W	Soil		4.8	12.4	0.28	282.8	0.057	<20	1.26	0.021	0.11	<0.1	3.0	0.04	<0.02	7	<0.1	<0.02	3.6
2000 22W	Soil		3.7	14.3	0.22	186.3	0.069	<20	0.96	0.017	0.13	<0.1	2.4	0.03	<0.02	10	<0.1	<0.02	3.0
2000 23W	Soil		3.2	14.3	0.16	182.1	0.082	<20	0.95	0.015	0.12	<0.1	2.2	0.04	<0.02	<5	<0.1	<0.02	2.7
2000 24W	Soil		5.2	13.4	0.17	213.7	0.071	<20	0.91	0.015	0.11	<0.1	2.5	0.06	<0.02	17	<0.1	<0.02	2.7
2100 BL00	Soil		2.3	15.2	0.20	119.6	0.080	<20	1.39	0.019	0.13	<0.1	2.8	0.04	<0.02	32	<0.1	<0.02	5.1
2100 1W	Soil		4.7	20.7	0.38	60.1	0.156	<20	1.84	0.020	0.11	<0.1	6.5	0.04	<0.02	<5	<0.1	<0.02	5.9
2100 2W	Soil		4.4	19.8	0.32	70.6	0.103	<20	1.67	0.012	0.10	<0.1	4.5	0.04	<0.02	9	<0.1	0.04	5.8
2100 3W	Soil		4.6	13.9	0.25	131.3	0.099	<20	1.33	0.017	0.20	<0.1	3.8	0.06	<0.02	11	<0.1	<0.02	4.8
2100 4W	Soil		3.0	12.3	0.21	162.8	0.108	<20	1.42	0.015	0.09	<0.1	2.7	0.06	<0.02	<5	<0.1	0.03	4.5
2100 5W	Soil		2.4	11.8	0.17	143.5	0.098	<20	1.07	0.013	0.08	<0.1	2.2	0.04	<0.02	<5	<0.1	<0.02	3.5
2100 6W	Soil		4.9	18.3	0.46	100.2	0.112	<20	1.54	0.011	0.12	<0.1	4.7	0.05	<0.02	20	<0.1	<0.02	5.7
2100 7W	Soil		3.2	14.9	0.27	110.4	0.108	<20	1.51	0.013	0.08	<0.1	2.5	0.03	<0.02	7	<0.1	<0.02	5.2
2100 8W	Soil		3.7	15.8	0.28	185.2	0.127	<20	1.46	0.010	0.13	<0.1	2.6	0.05	<0.02	23	<0.1	<0.02	5.0
2100 9W	Soil		4.4	22.1	0.40	163.8	0.116	<20	2.56	0.014	0.11	<0.1	3.5	0.05	<0.02	26	<0.1	<0.02	7.6

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2100 10W	Soil		0.43	14.91	4.53	48.8	86	11.4	5.1	172	1.91	2.5	0.2	<0.2	1.0	38.4	0.05	0.04	0.08	47	0.29	0.030
2100 11W	Soil		0.44	16.57	4.26	67.3	76	11.5	5.4	275	1.85	2.8	0.2	5.6	0.8	87.9	0.05	0.04	0.06	45	0.37	0.034
2100 12W	Soil		0.69	15.69	4.47	83.8	21	12.0	6.7	847	1.98	3.2	0.3	<0.2	1.2	107.3	0.08	0.05	0.09	52	0.35	0.021
2100 13W	Soil		0.42	12.81	3.62	118.9	43	13.6	3.9	535	1.59	2.8	0.2	<0.2	0.7	47.8	0.06	0.02	0.07	36	0.30	0.041
2100 14W	Soil		0.70	11.25	3.73	121.2	86	12.2	4.1	862	1.44	4.2	0.1	<0.2	0.7	35.1	0.14	0.03	0.09	28	0.32	0.077
2100 15W	Soil		0.55	12.86	4.72	61.7	21	14.9	4.6	386	1.78	4.3	0.2	<0.2	0.9	73.5	0.03	0.05	0.08	41	0.28	0.031
2100 16W	Soil		0.49	14.80	3.84	105.0	37	17.5	4.3	766	1.68	4.7	0.2	1.4	1.0	78.6	0.08	0.04	0.07	33	0.47	0.029
2100 17W	Soil		0.62	23.24	4.77	117.2	49	26.5	6.3	1178	2.15	5.6	0.2	<0.2	1.5	101.2	0.11	0.05	0.07	37	0.52	0.039
2100 18W	Soil		0.61	17.80	4.80	124.7	31	26.5	6.6	1584	1.62	3.9	0.2	0.9	0.7	85.1	0.14	0.07	0.06	30	0.58	0.032
2100 19W	Soil		0.52	20.84	5.67	53.4	28	29.6	7.3	417	2.45	5.7	0.4	0.7	1.5	107.8	0.05	0.06	0.07	46	0.47	0.047
2100 20W	Soil		0.35	13.15	4.22	56.8	24	13.5	5.5	466	1.48	1.8	0.2	<0.2	0.9	90.4	0.07	0.04	0.06	32	0.37	0.014
2100 21W	Soil		0.41	8.62	3.06	61.6	20	8.6	3.6	494	1.24	1.3	0.2	<0.2	0.9	59.4	0.05	0.04	0.04	28	0.22	0.020
2100 22W	Soil		0.40	10.93	3.60	41.6	27	9.0	3.7	233	1.39	1.5	0.2	1.7	0.7	50.0	0.05	0.05	0.07	32	0.27	0.023
2100 23W	Soil		0.26	14.41	5.89	56.3	58	12.9	5.0	276	1.59	2.5	1.2	0.5	1.0	59.9	0.05	0.05	0.11	30	0.37	0.020
2100 24W	Soil		0.42	7.99	3.31	58.8	40	5.5	2.6	299	1.08	1.0	0.2	0.3	0.6	38.5	0.04	0.03	0.07	26	0.19	0.022
2200 BL00	Soil		0.48	15.40	4.72	76.3	29	10.9	7.2	578	2.80	5.2	0.3	0.5	1.1	157.1	0.09	0.04	0.07	82	0.67	0.102
2200 1W	Soil		0.38	32.74	3.33	46.3	47	15.3	7.4	178	3.10	7.9	0.5	0.9	2.0	294.7	0.05	0.05	0.05	99	0.69	0.051
2200 2W	Soil		0.63	23.01	4.29	51.0	58	11.6	6.6	383	2.52	4.3	0.4	0.3	1.1	120.9	0.07	0.06	0.07	78	0.53	0.051
2200 3W	Soil		0.68	17.33	4.23	48.7	35	8.0	5.5	472	2.06	2.3	0.2	0.4	0.6	58.9	0.07	0.05	0.07	63	0.39	0.028
2200 4W	Soil		0.37	12.09	5.01	77.5	47	9.7	5.2	364	1.98	4.2	0.3	0.2	1.0	60.2	0.07	0.05	0.09	55	0.32	0.045
2200 5W	Soil		0.55	11.54	4.89	99.7	66	13.4	5.6	397	1.68	2.1	0.2	<0.2	1.0	39.7	0.09	0.05	0.09	41	0.24	0.071
2200 6W	Soil		0.57	15.63	4.96	80.2	57	9.1	5.5	653	2.00	2.8	0.3	0.5	0.9	155.9	0.14	0.07	0.07	59	0.63	0.051
2200 7W	Soil		0.55	9.20	4.97	108.3	43	9.3	4.8	768	1.77	1.4	0.2	0.5	0.6	73.4	0.09	0.05	0.08	48	0.36	0.042
2200 8W	Soil		0.60	5.87	4.04	111.3	35	5.9	2.9	723	1.24	0.7	0.1	<0.2	0.6	28.3	0.08	0.03	0.08	31	0.26	0.020
2200 9W	Soil		0.39	19.48	4.79	61.4	45	10.2	7.8	231	2.83	2.0	0.4	0.5	0.9	165.2	0.04	0.05	0.08	73	0.54	0.032
2200 10W	Soil		0.71	15.73	4.57	99.5	124	8.3	6.2	949	1.50	1.5	0.1	<0.2	0.5	40.4	0.13	0.05	0.07	39	0.45	0.040
2200 11W	Soil		1.05	39.88	6.23	75.2	57	13.8	8.3	443	2.03	2.4	0.3	<0.2	1.1	60.2	0.34	0.06	0.11	46	0.76	0.046
2200 12W	Soil		1.06	18.51	5.53	48.7	38	11.1	6.2	130	1.81	2.9	0.4	<0.2	0.8	31.3	0.08	0.07	0.09	45	0.34	0.029
2200 13W	Soil		0.34	19.33	4.13	61.7	110	12.0	6.1	275	2.05	2.9	0.3	<0.2	1.0	73.4	0.06	0.05	0.08	56	0.38	0.033
2200 14W	Soil		0.49	16.46	4.26	87.6	77	13.5	6.8	712	1.97	5.1	0.3	<0.2	1.1	114.4	0.10	0.05	0.08	55	0.53	0.050

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2100 10W	Soil		3.0	18.6	0.27	118.0	0.115	<20	1.58	0.014	0.09	<0.1	2.6	0.05	<0.02	<5	<0.1	<0.02	5.1
2100 11W	Soil		2.8	17.5	0.31	137.1	0.125	<20	1.59	0.013	0.13	<0.1	2.7	0.04	<0.02	<5	<0.1	<0.02	5.0
2100 12W	Soil		3.5	23.8	0.31	160.8	0.115	<20	1.32	0.014	0.12	<0.1	3.6	0.07	<0.02	12	<0.1	<0.02	4.5
2100 13W	Soil		3.0	21.0	0.27	150.4	0.090	<20	1.43	0.014	0.10	<0.1	2.9	0.05	<0.02	28	<0.1	<0.02	4.5
2100 14W	Soil		2.5	16.1	0.23	143.2	0.079	<20	1.35	0.011	0.13	<0.1	2.4	0.05	<0.02	38	<0.1	<0.02	4.7
2100 15W	Soil		3.2	21.2	0.23	154.2	0.096	<20	1.28	0.016	0.09	<0.1	3.3	0.06	<0.02	<5	<0.1	<0.02	4.1
2100 16W	Soil		3.5	25.7	0.24	167.2	0.083	<20	1.19	0.020	0.14	<0.1	3.8	0.07	<0.02	24	<0.1	<0.02	4.1
2100 17W	Soil		6.2	32.1	0.34	266.9	0.065	<20	1.50	0.019	0.20	<0.1	5.4	0.10	<0.02	12	<0.1	<0.02	4.1
2100 18W	Soil		3.3	33.2	0.29	260.7	0.065	<20	1.21	0.020	0.15	<0.1	4.5	0.08	<0.02	16	<0.1	0.05	3.9
2100 19W	Soil		5.2	41.4	0.37	170.4	0.086	<20	1.71	0.020	0.16	<0.1	6.2	0.08	<0.02	19	<0.1	<0.02	5.4
2100 20W	Soil		3.8	31.3	0.25	194.6	0.082	<20	1.08	0.022	0.12	<0.1	3.6	0.07	<0.02	12	<0.1	<0.02	3.1
2100 21W	Soil		2.5	21.3	0.19	198.0	0.075	<20	0.91	0.020	0.11	<0.1	2.3	0.04	<0.02	23	<0.1	<0.02	2.9
2100 22W	Soil		2.8	20.6	0.22	161.0	0.073	<20	1.13	0.021	0.16	<0.1	2.2	0.04	<0.02	6	<0.1	<0.02	3.0
2100 23W	Soil		4.1	25.7	0.37	164.4	0.094	<20	1.52	0.023	0.13	<0.1	3.2	0.06	<0.02	23	0.1	<0.02	4.3
2100 24W	Soil		2.7	13.9	0.14	170.8	0.062	<20	0.92	0.017	0.08	<0.1	1.5	0.04	<0.02	7	<0.1	<0.02	2.7
2200 BL00	Soil		4.0	22.5	0.37	93.4	0.178	<20	2.33	0.039	0.25	<0.1	6.5	0.05	<0.02	27	0.1	<0.02	7.0
2200 1W	Soil		12.0	26.8	0.41	66.2	0.132	<20	2.02	0.034	0.14	<0.1	9.0	0.05	<0.02	8	<0.1	<0.02	5.9
2200 2W	Soil		6.3	22.2	0.32	77.0	0.117	<20	1.63	0.026	0.09	<0.1	5.0	0.04	<0.02	19	<0.1	<0.02	5.2
2200 3W	Soil		3.6	17.2	0.23	71.4	0.096	<20	1.41	0.015	0.11	<0.1	2.9	0.05	<0.02	21	<0.1	<0.02	5.0
2200 4W	Soil		3.8	16.5	0.19	116.1	0.122	<20	1.84	0.017	0.09	<0.1	2.9	0.05	<0.02	13	<0.1	<0.02	5.7
2200 5W	Soil		3.3	16.8	0.24	105.3	0.107	<20	1.89	0.014	0.11	<0.1	2.6	0.04	<0.02	11	<0.1	<0.02	5.8
2200 6W	Soil		5.1	18.4	0.27	90.7	0.127	<20	1.58	0.020	0.15	<0.1	3.7	0.04	<0.02	29	0.1	<0.02	5.1
2200 7W	Soil		3.0	17.2	0.22	115.5	0.133	<20	1.73	0.018	0.11	<0.1	2.8	0.05	<0.02	15	<0.1	<0.02	5.5
2200 8W	Soil		2.7	11.9	0.15	104.9	0.080	<20	1.29	0.014	0.08	<0.1	1.8	0.05	<0.02	14	<0.1	<0.02	4.3
2200 9W	Soil		5.0	22.0	0.53	190.8	0.128	<20	2.38	0.011	0.29	<0.1	5.0	0.07	<0.02	<5	0.1	<0.02	8.2
2200 10W	Soil		2.6	14.6	0.21	114.7	0.095	<20	1.13	0.014	0.18	<0.1	1.8	0.04	<0.02	32	0.1	<0.02	4.5
2200 11W	Soil		3.6	17.8	0.32	169.3	0.102	<20	1.79	0.017	0.09	<0.1	2.8	0.05	<0.02	22	0.1	<0.02	6.3
2200 12W	Soil		3.4	19.2	0.31	68.2	0.103	<20	1.62	0.015	0.12	<0.1	2.7	0.04	<0.02	24	0.1	<0.02	5.4
2200 13W	Soil		3.2	20.6	0.33	120.8	0.136	<20	1.76	0.017	0.15	<0.1	3.0	0.05	<0.02	14	<0.1	<0.02	5.6
2200 14W	Soil		3.5	20.5	0.32	123.9	0.131	<20	1.79	0.016	0.15	<0.1	3.3	<0.02	<0.02	16	0.1	<0.02	5.5

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2200 15W	Soil		0.45	11.74	4.60	69.1	94	10.7	4.8	522	1.60	2.8	0.2	0.7	0.8	64.1	0.08	0.04	0.08	40	0.39	0.038
2200 16W	Soil		0.74	9.06	3.61	111.8	54	8.2	4.1	1126	1.11	3.4	0.1	0.2	0.5	28.1	0.11	0.03	0.08	26	0.32	0.050
2200 17W	Soil		0.48	14.02	5.47	132.8	29	15.5	4.8	1855	1.77	2.9	0.2	<0.2	0.9	81.2	0.22	0.04	0.09	23	0.75	0.041
2200 18W	Soil		0.38	23.09	4.77	199.3	51	22.8	6.0	2082	2.04	5.2	0.1	<0.2	1.1	130.0	0.30	0.03	0.08	34	1.11	0.098
2200 19W	Soil		0.52	34.50	4.91	61.5	102	45.1	8.8	898	2.98	9.7	0.5	<0.2	1.7	167.7	0.18	0.05	0.08	57	1.30	0.096
2200 20W	Soil		0.52	32.00	5.14	60.3	100	37.8	7.1	711	2.71	8.4	0.5	<0.2	1.6	173.5	0.17	0.06	0.07	53	1.48	0.092
2200 21W	Soil		0.39	16.09	4.91	63.8	44	15.6	6.2	254	1.91	4.3	0.3	<0.2	1.4	91.8	0.05	0.05	0.09	45	0.39	0.031
2200 22W	Soil		0.35	11.95	3.84	71.5	50	11.4	4.2	472	1.46	3.4	0.2	1.2	0.8	56.8	0.05	0.04	0.07	36	0.31	0.032
2200 23W	Soil		0.32	11.87	3.79	67.9	46	11.6	4.2	449	1.44	3.2	0.2	<0.2	0.8	54.1	0.05	0.04	0.07	35	0.28	0.028
2200 24W	Soil		0.43	26.20	4.78	70.0	79	27.4	8.4	317	2.46	7.2	0.5	<0.2	2.0	94.0	0.07	0.07	0.09	53	0.52	0.066
2300 BL00	Soil		0.85	11.47	4.30	136.0	72	12.3	5.9	1506	1.95	3.0	0.2	0.3	0.7	58.5	0.14	0.04	0.07	54	0.45	0.129
2300 1W	Soil		0.50	8.23	3.77	102.9	32	8.2	4.1	617	1.68	2.2	0.2	0.6	0.9	49.6	0.07	0.04	0.07	45	0.27	0.023
2300 2W	Soil		0.41	10.96	3.28	51.6	28	8.2	5.1	248	2.03	2.2	0.2	<0.2	0.7	73.4	0.04	0.04	0.06	66	0.30	0.019
2300 3W	Soil		0.66	9.23	4.14	84.0	69	9.3	5.0	601	1.73	1.8	0.2	<0.2	0.7	65.5	0.06	0.05	0.07	55	0.31	0.055
2300 4W	Soil		0.53	10.26	5.28	86.7	65	14.2	5.9	628	1.78	2.7	0.2	<0.2	0.8	29.1	0.06	0.05	0.09	47	0.28	0.059
2300 5W	Soil		0.49	21.91	4.09	43.2	55	13.5	6.3	163	2.49	3.1	0.4	1.7	1.3	69.1	0.04	0.07	0.06	83	0.35	0.049
2300 6W	Soil		0.47	21.38	4.12	51.0	54	12.6	5.3	162	2.21	2.4	0.3	<0.2	1.0	48.7	0.05	0.06	0.06	67	0.37	0.052
2300 7W	Soil		0.41	8.65	4.21	87.6	41	9.7	4.6	396	1.60	1.2	0.2	<0.2	0.8	37.1	0.06	0.04	0.07	44	0.28	0.040
2300 8W	Soil		0.58	7.83	4.72	139.7	72	9.4	3.8	717	1.28	1.7	0.1	1.6	0.7	20.0	0.16	0.05	0.12	24	0.19	0.168
2300 9W	Soil		0.54	13.70	5.65	59.8	72	16.9	7.1	491	2.09	1.6	0.3	0.5	0.7	42.1	0.09	0.05	0.09	55	0.53	0.021
2300 10W	Soil		0.45	14.53	5.11	59.1	59	18.3	7.0	451	2.17	1.6	0.4	0.2	0.7	40.5	0.05	0.04	0.08	56	0.52	0.021
2300 11W	Soil		0.50	13.99	6.06	67.8	57	18.1	7.6	502	2.09	1.7	0.4	0.4	0.7	44.4	0.11	0.07	0.09	55	0.56	0.021
2300 12W	Soil		0.28	5.60	3.71	54.6	39	4.9	3.1	333	1.27	1.3	0.2	0.4	0.6	30.0	0.03	0.03	0.06	34	0.26	0.023
2300 13W	Soil		0.39	5.43	3.36	49.1	44	5.4	3.3	456	1.28	1.6	0.1	<0.2	0.5	26.0	0.04	0.02	0.06	33	0.24	0.022
2300 14W	Soil		0.22	8.32	4.11	26.9	44	5.6	3.4	240	1.27	2.0	<0.1	0.6	0.4	19.4	<0.01	<0.02	0.07	32	0.22	0.012
2300 15W	Soil		0.60	7.99	4.72	44.8	49	6.7	4.2	729	1.29	4.4	0.1	0.4	0.2	39.7	0.12	0.03	0.08	33	0.34	0.029
2300 16W	Soil		0.18	3.29	4.73	21.3	27	2.2	1.4	65	0.63	1.3	<0.1	<0.2	0.2	13.7	0.02	<0.02	0.06	18	0.15	0.019
2300 17W	Soil		0.21	3.97	4.65	26.4	36	2.7	1.9	82	0.74	1.7	<0.1	0.6	0.3	18.2	0.03	<0.02	0.08	19	0.20	0.027
2300 18W	Soil		0.40	25.79	3.87	56.0	90	14.6	6.4	212	2.29	6.8	0.4	1.0	1.5	131.4	0.04	0.07	0.08	63	0.49	0.043
2300 19W	Soil		0.36	20.29	3.60	58.1	93	13.6	5.3	180	2.01	5.3	0.4	<0.2	1.3	108.7	0.04	0.05	0.08	51	0.44	0.040

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2200 15W	Soil		3.0	19.1	0.26	120.2	0.115	<20	1.48	0.013	0.22	<0.1	2.3	0.05	<0.02	15	0.1	<0.02	4.7
2200 16W	Soil		2.0	14.7	0.17	113.5	0.073	<20	1.23	0.015	0.09	<0.1	1.6	0.05	<0.02	11	0.1	<0.02	4.4
2200 17W	Soil		6.4	12.1	0.31	209.3	0.034	<20	1.40	0.018	0.22	<0.1	3.3	0.12	<0.02	39	<0.1	<0.02	4.8
2200 18W	Soil		4.4	30.8	0.30	356.6	0.059	<20	1.42	0.016	0.50	<0.1	4.7	0.08	<0.02	21	<0.1	<0.02	4.6
2200 19W	Soil		9.5	61.5	0.59	197.4	0.046	<20	2.02	0.016	0.37	<0.1	9.0	0.07	0.03	66	0.2	<0.02	5.8
2200 20W	Soil		8.5	50.1	0.52	192.7	0.043	<20	1.78	0.014	0.35	<0.1	7.7	0.07	0.03	73	0.2	<0.02	5.2
2200 21W	Soil		4.5	28.9	0.31	205.7	0.108	<20	1.41	0.022	0.17	<0.1	4.1	0.07	<0.02	8	<0.1	<0.02	4.4
2200 22W	Soil		2.9	21.7	0.22	172.9	0.088	<20	1.11	0.019	0.13	<0.1	2.4	0.05	<0.02	14	<0.1	<0.02	3.6
2200 23W	Soil		3.0	22.0	0.24	171.4	0.091	<20	1.10	0.018	0.13	<0.1	2.4	0.05	<0.02	13	<0.1	<0.02	3.6
2200 24W	Soil		8.0	39.4	0.47	164.5	0.110	<20	2.05	0.018	0.24	<0.1	6.2	0.08	<0.02	13	0.2	0.02	5.9
2300 BL00	Soil		3.8	19.8	0.19	134.9	0.090	<20	1.60	0.016	0.10	<0.1	2.8	0.06	<0.02	20	0.1	<0.02	5.8
2300 1W	Soil		3.3	16.8	0.19	115.8	0.106	<20	1.43	0.015	0.09	<0.1	2.6	0.06	<0.02	13	<0.1	<0.02	5.2
2300 2W	Soil		3.4	18.4	0.17	92.1	0.102	<20	1.27	0.014	0.07	<0.1	2.3	0.04	<0.02	11	<0.1	<0.02	4.4
2300 3W	Soil		3.1	16.8	0.17	89.5	0.099	<20	1.26	0.012	0.07	<0.1	2.2	0.05	<0.02	16	<0.1	0.02	5.1
2300 4W	Soil		3.4	18.8	0.23	93.6	0.112	<20	1.70	0.013	0.08	<0.1	2.1	0.04	<0.02	21	<0.1	<0.02	5.8
2300 5W	Soil		4.5	22.2	0.25	64.5	0.134	<20	1.58	0.013	0.07	<0.1	2.9	0.02	<0.02	9	0.1	<0.02	5.4
2300 6W	Soil		4.0	23.1	0.26	54.9	0.156	<20	1.58	0.017	0.09	<0.1	3.0	0.03	<0.02	7	0.1	<0.02	5.3
2300 7W	Soil		2.9	15.7	0.20	74.7	0.120	<20	1.60	0.017	0.09	<0.1	2.3	0.04	<0.02	14	<0.1	<0.02	5.2
2300 8W	Soil		2.0	11.4	0.19	184.0	0.061	<20	1.42	0.009	0.16	<0.1	1.9	0.04	<0.02	26	<0.1	<0.02	5.0
2300 9W	Soil		3.6	18.2	0.48	55.3	0.132	<20	1.57	0.018	0.08	<0.1	3.1	0.05	<0.02	32	0.1	<0.02	5.7
2300 10W	Soil		4.2	18.4	0.50	55.8	0.137	<20	1.68	0.019	0.08	<0.1	3.1	0.05	<0.02	17	<0.1	0.02	5.4
2300 11W	Soil		3.8	18.4	0.49	59.5	0.139	<20	1.58	0.019	0.08	<0.1	3.0	0.05	<0.02	39	<0.1	<0.02	5.7
2300 12W	Soil		2.5	11.1	0.16	80.3	0.074	<20	1.10	0.013	0.06	<0.1	1.8	0.04	<0.02	10	<0.1	<0.02	3.4
2300 13W	Soil		2.1	10.6	0.16	65.8	0.074	<20	1.05	0.012	0.10	<0.1	1.5	0.04	<0.02	11	<0.1	<0.02	3.4
2300 14W	Soil		1.8	10.3	0.18	72.7	0.068	<20	1.05	0.012	0.12	<0.1	1.2	0.05	<0.02	7	<0.1	<0.02	3.5
2300 15W	Soil		1.7	11.3	0.20	96.8	0.060	<20	1.13	0.010	0.12	<0.1	1.2	0.03	<0.02	20	<0.1	<0.02	4.2
2300 16W	Soil		1.3	5.5	0.05	36.4	0.054	<20	0.33	0.008	0.06	<0.1	0.6	<0.02	<0.02	6	<0.1	<0.02	2.5
2300 17W	Soil		1.6	6.9	0.06	46.7	0.055	<20	0.43	0.008	0.07	<0.1	0.7	<0.02	<0.02	8	<0.1	<0.02	2.9
2300 18W	Soil		4.7	23.1	0.43	72.2	0.116	<20	1.45	0.015	0.18	<0.1	4.2	0.05	<0.02	17	<0.1	<0.02	4.9
2300 19W	Soil		4.0	20.6	0.36	71.5	0.108	<20	1.44	0.015	0.18	<0.1	3.4	0.05	<0.02	<5	<0.1	<0.02	4.5

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2300 20W	Soil		0.27	8.43	3.33	90.9	53	11.2	2.8	170	1.32	3.1	0.1	0.2	0.6	27.4	0.05	<0.02	0.07	25	0.23	0.042
2300 21W	Soil		0.53	13.12	5.44	84.4	42	12.1	5.3	559	1.65	2.1	0.2	<0.2	0.9	56.7	0.07	0.03	0.08	38	0.26	0.024
2300 22W	Soil		0.23	11.34	4.10	43.0	58	7.7	3.4	127	1.34	2.6	0.3	<0.2	1.0	78.5	0.04	0.03	0.06	33	0.26	0.025
2300 23W	Soil		0.42	9.08	3.98	85.5	27	9.3	3.3	641	1.25	3.7	0.1	<0.2	0.8	49.6	0.06	0.03	0.06	29	0.28	0.031
2300 24W	Soil		0.47	7.96	3.45	79.6	26	7.6	2.6	706	1.06	2.3	0.1	0.2	0.5	53.3	0.05	0.03	0.06	24	0.26	0.017
3800 41W	Soil		0.55	17.06	3.27	45.6	26	12.7	7.1	550	2.42	1.2	0.2	0.4	1.0	29.7	0.04	0.06	0.05	81	0.32	0.026
3800 42W	Soil		0.48	11.44	3.41	38.8	36	9.6	5.8	323	1.79	1.1	0.2	1.2	0.7	27.5	0.03	0.04	0.04	52	0.26	0.020
3800 43W	Soil		0.62	26.72	4.16	45.3	40	16.8	9.3	518	2.32	1.3	0.3	<0.2	1.1	36.2	0.09	0.07	0.05	66	0.39	0.037
3800 44W	Soil		0.39	13.14	3.10	39.2	22	11.5	6.2	375	2.16	0.7	0.2	<0.2	0.9	26.4	0.01	0.06	0.03	66	0.30	0.021
3800 45W	Soil		0.42	46.75	3.22	33.9	24	24.7	10.3	350	2.68	1.4	0.4	0.7	1.3	34.4	0.04	0.07	0.03	76	0.44	0.051
3800 46W	Soil		0.55	19.88	4.84	66.4	21	15.0	8.1	988	2.10	0.8	0.3	<0.2	1.3	39.2	0.10	0.07	0.06	55	0.42	0.023
3800 47W	Soil		0.61	15.02	3.19	72.8	27	13.6	6.8	885	2.17	0.8	0.2	0.4	0.9	29.8	0.11	0.05	0.03	64	0.36	0.024
3800 48W	Soil		0.42	15.50	2.88	47.2	10	14.4	7.0	525	2.33	0.8	0.2	<0.2	1.2	27.1	0.05	0.04	0.03	73	0.37	0.021
3800 49W	Soil		0.40	16.76	2.99	39.8	22	14.8	7.0	314	2.56	0.9	0.3	0.2	1.1	27.3	0.04	0.04	0.04	80	0.35	0.024
3800 50W	Soil		0.40	19.97	3.21	33.6	18	14.8	8.6	665	2.18	0.7	0.3	<0.2	1.4	26.4	0.06	0.06	0.04	69	0.33	0.013
3800 51W	Soil		0.83	23.21	6.25	78.8	32	11.8	6.9	1052	1.74	1.0	0.2	0.6	1.0	56.4	0.28	0.09	0.08	47	0.83	0.023
3800 52W	Soil		0.83	19.02	3.57	35.2	13	8.6	7.3	432	1.94	0.5	0.3	2.0	1.3	31.9	0.06	0.11	0.06	67	0.50	0.014
3800 53W	Soil		0.44	25.54	3.16	53.9	56	19.1	9.6	768	2.33	1.5	0.3	<0.2	0.8	44.7	0.11	0.10	0.05	63	0.60	0.043
3800 54W	Soil		0.45	28.78	3.39	43.9	42	21.9	10.3	465	2.87	0.8	0.3	<0.2	2.6	37.0	0.04	0.06	0.05	83	0.46	0.032
3800 55W	Soil		0.41	15.78	3.50	69.0	13	13.9	6.9	968	2.19	1.1	0.1	<0.2	1.0	45.7	0.10	0.05	0.05	62	0.44	0.040
3800 56W	Soil		0.37	13.11	3.40	63.4	15	12.8	6.6	480	1.99	0.7	0.2	<0.2	1.1	31.7	0.06	0.05	0.04	53	0.36	0.023
3800 57W	Soil		0.51	30.21	3.51	48.7	19	23.8	11.1	571	3.00	1.0	0.2	<0.2	1.5	36.0	0.09	0.07	0.02	86	0.48	0.043
3800 58W	Soil		0.42	38.07	3.94	51.1	56	21.8	10.0	602	2.62	1.3	0.2	0.6	1.0	40.3	0.08	0.08	0.03	67	0.62	0.042
3800 59W	Soil		0.29	37.51	2.69	27.2	21	21.7	9.6	342	2.57	0.8	0.2	0.7	1.2	28.4	0.04	0.07	<0.02	67	0.41	0.035
3800 60W	Soil		1.19	142.7	2.36	25.2	35	7.5	5.6	326	1.69	2.5	0.4	4.0	1.4	37.8	0.07	0.16	0.09	51	0.92	0.088
3800 61W	Soil		0.44	52.91	7.61	110.2	41	18.7	20.7	818	4.06	14.7	0.4	2.4	1.6	113.1	0.23	0.10	0.10	78	1.41	0.092
3800 62W	Soil		0.45	32.23	2.46	17.8	19	9.4	6.7	325	2.17	1.0	0.5	1.5	2.1	32.0	0.03	0.12	0.06	75	0.32	0.016
3800 63W	Soil		0.37	84.48	5.26	54.5	93	34.4	15.4	580	3.50	1.8	0.4	2.8	2.0	66.9	0.13	0.10	0.08	70	0.78	0.040
3800 64W	Soil		0.47	72.99	3.85	58.3	61	53.9	22.0	567	3.80	1.5	0.3	1.6	2.2	59.3	0.10	0.10	0.07	66	0.76	0.066
3800 65W	Soil		0.44	40.73	3.11	42.5	16	28.9	13.8	464	2.94	0.6	0.3	0.2	1.5	38.5	0.05	0.09	0.04	74	0.41	0.021

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2300 20W	Soil		2.2	16.2	0.21	95.1	0.067	<20	1.38	0.015	0.16	<0.1	1.8	0.03	<0.02	8	<0.1	<0.02	4.0
2300 21W	Soil		2.9	21.6	0.30	166.2	0.088	<20	1.14	0.014	0.11	<0.1	2.4	0.05	<0.02	<5	<0.1	<0.02	4.1
2300 22W	Soil		3.6	15.3	0.22	146.0	0.077	<20	1.09	0.013	0.16	<0.1	2.1	0.04	<0.02	9	<0.1	<0.02	3.2
2300 23W	Soil		2.8	14.9	0.21	153.2	0.067	<20	1.03	0.011	0.19	<0.1	1.8	0.05	<0.02	15	<0.1	<0.02	3.0
2300 24W	Soil		2.2	12.9	0.16	213.0	0.047	<20	0.82	0.016	0.07	<0.1	1.6	0.06	<0.02	21	<0.1	<0.02	2.2
3800 41W	Soil		5.0	22.2	0.23	120.4	0.082	<20	0.81	0.011	0.12	<0.1	2.6	0.04	<0.02	11	<0.1	<0.02	3.4
3800 42W	Soil		3.8	17.9	0.21	96.5	0.091	<20	0.83	0.012	0.12	<0.1	2.4	0.05	<0.02	6	<0.1	<0.02	3.0
3800 43W	Soil		7.8	23.1	0.32	124.6	0.096	<20	1.01	0.015	0.11	<0.1	3.3	0.05	<0.02	10	<0.1	<0.02	3.8
3800 44W	Soil		4.7	21.9	0.22	101.1	0.095	<20	0.83	0.015	0.12	<0.1	2.6	0.05	<0.02	10	<0.1	<0.02	3.0
3800 45W	Soil		7.7	23.4	0.48	78.8	0.087	<20	0.99	0.018	0.10	<0.1	3.5	0.04	<0.02	14	<0.1	<0.02	3.7
3800 46W	Soil		8.1	22.0	0.30	215.6	0.107	<20	1.12	0.017	0.18	<0.1	3.3	0.06	<0.02	15	<0.1	<0.02	4.0
3800 47W	Soil		5.5	21.7	0.23	177.8	0.086	<20	0.88	0.014	0.11	<0.1	2.6	0.04	<0.02	19	<0.1	<0.02	3.3
3800 48W	Soil		5.7	23.6	0.22	98.0	0.096	<20	0.85	0.014	0.13	<0.1	2.9	0.04	<0.02	<5	<0.1	<0.02	3.4
3800 49W	Soil		5.3	24.9	0.25	103.5	0.102	<20	1.03	0.015	0.13	<0.1	3.1	0.05	<0.02	18	<0.1	0.02	3.8
3800 50W	Soil		7.8	21.8	0.25	105.5	0.093	<20	0.82	0.017	0.14	<0.1	3.1	0.05	<0.02	7	<0.1	<0.02	2.9
3800 51W	Soil		4.5	17.9	0.21	278.0	0.078	<20	0.81	0.016	0.14	<0.1	2.9	0.05	<0.02	50	<0.1	<0.02	3.1
3800 52W	Soil		4.8	20.5	0.26	80.5	0.107	<20	0.75	0.016	0.10	<0.1	3.3	0.04	<0.02	16	0.1	<0.02	3.2
3800 53W	Soil		9.0	25.6	0.31	130.3	0.094	<20	0.96	0.017	0.18	<0.1	3.7	0.04	<0.02	38	0.2	<0.02	3.8
3800 54W	Soil		9.3	30.0	0.38	106.0	0.113	<20	1.12	0.020	0.14	<0.1	3.9	0.06	<0.02	18	<0.1	<0.02	4.1
3800 55W	Soil		5.9	23.0	0.26	182.4	0.092	<20	0.90	0.016	0.24	<0.1	3.0	0.05	<0.02	22	<0.1	<0.02	3.4
3800 56W	Soil		5.1	22.7	0.24	117.7	0.105	<20	0.92	0.018	0.12	<0.1	3.1	0.05	<0.02	13	<0.1	<0.02	3.2
3800 57W	Soil		8.3	28.3	0.40	100.4	0.115	<20	1.04	0.022	0.14	<0.1	3.6	0.04	<0.02	18	<0.1	<0.02	3.9
3800 58W	Soil		8.0	25.3	0.38	105.0	0.092	<20	0.99	0.019	0.14	<0.1	3.6	0.03	<0.02	34	<0.1	<0.02	3.6
3800 59W	Soil		7.1	24.6	0.38	57.5	0.098	<20	1.00	0.024	0.08	<0.1	3.4	0.03	<0.02	12	<0.1	<0.02	3.4
3800 60W	Soil		7.5	10.2	0.33	136.8	0.046	<20	0.62	0.014	0.06	0.2	2.2	<0.02	<0.02	<5	<0.1	<0.02	2.7
3800 61W	Soil		19.5	23.0	0.95	95.6	0.085	<20	3.21	0.012	0.31	<0.1	11.3	0.04	<0.02	33	0.2	<0.02	14.2
3800 62W	Soil		7.8	17.5	0.18	55.2	0.107	<20	0.60	0.014	0.07	<0.1	2.5	<0.02	<0.02	<5	0.3	<0.02	2.7
3800 63W	Soil		15.7	31.0	0.73	131.5	0.091	<20	2.33	0.022	0.26	<0.1	7.7	0.04	<0.02	<5	0.3	<0.02	7.8
3800 64W	Soil		14.4	25.4	0.82	135.9	0.107	<20	1.92	0.055	0.18	<0.1	5.7	0.03	<0.02	43	0.3	<0.02	6.0
3800 65W	Soil		11.9	25.8	0.39	72.6	0.136	<20	1.00	0.040	0.13	<0.1	3.7	<0.02	<0.02	15	0.2	<0.02	3.8

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
3800 66W	Soil		0.56	90.85	4.05	58.1	74	50.6	22.1	669	3.73	3.3	0.5	1.7	2.3	79.3	0.10	0.13	0.07	79	1.42	0.115
3800 66W	Soil		0.60	101.0	3.94	59.6	70	49.3	23.3	644	3.60	3.0	0.5	1.4	2.4	80.1	0.13	0.12	0.05	73	1.40	0.116
3800 67W	Soil		0.39	67.55	5.50	48.9	58	30.5	15.4	540	3.27	2.6	0.4	3.9	1.7	73.3	0.11	0.11	0.08	76	0.80	0.047
3800 68W	Soil		0.38	64.93	5.29	53.4	61	29.1	15.5	566	3.19	2.8	0.3	2.0	1.6	73.5	0.09	0.11	0.07	78	0.74	0.053
3800 69W	Soil		0.39	80.22	4.35	57.9	46	39.6	17.6	679	3.56	1.4	0.4	0.3	2.2	50.8	0.10	0.10	0.07	75	0.60	0.027
3800 70W	Soil		0.57	99.78	5.03	55.9	64	33.1	19.0	620	3.65	2.8	0.4	1.4	2.6	61.2	0.12	0.16	0.09	83	0.83	0.073
3800 71W	Soil		0.52	34.52	3.27	39.9	23	18.3	11.8	474	2.57	1.1	0.4	1.0	1.6	40.2	0.04	0.12	0.04	81	0.45	0.019
3800 72W	Soil		0.48	109.3	5.23	57.7	71	36.4	17.7	659	3.86	2.8	0.5	3.2	2.6	53.9	0.13	0.12	0.09	84	0.77	0.050
3800 73W	Soil		0.57	112.7	5.42	47.0	60	28.8	18.1	632	3.56	3.9	0.7	2.2	3.3	59.4	0.11	0.21	0.07	90	0.80	0.073
3800 74W	Soil		0.51	76.77	5.40	51.1	34	32.4	16.9	660	3.39	3.3	0.4	1.9	2.4	61.0	0.10	0.14	0.10	78	0.74	0.055
3800 75W	Soil		0.96	85.50	5.68	58.4	44	40.1	18.7	529	4.03	2.7	0.4	1.4	2.3	65.3	0.11	0.09	0.07	86	0.76	0.047
3800 76W	Soil		0.46	71.69	4.64	53.1	41	32.9	17.3	591	3.27	2.0	0.3	3.3	2.0	63.9	0.12	0.12	0.05	75	0.82	0.068
3800 77W	Soil		0.42	108.0	4.02	43.8	47	23.2	13.6	612	2.95	1.4	0.5	2.4	1.9	53.6	0.07	0.10	0.05	74	0.64	0.029
3800 78W	Soil		0.46	47.83	5.65	46.2	31	24.3	14.6	754	2.80	2.0	0.4	0.6	1.7	70.6	0.10	0.11	0.06	77	0.54	0.048
3800 79W	Soil		0.40	86.83	4.66	50.7	36	47.9	20.3	672	3.61	1.4	0.4	1.3	2.2	58.8	0.10	0.09	0.07	72	0.71	0.036
3800 80W	Soil		0.32	40.71	3.26	40.4	21	23.9	11.3	444	2.91	1.3	0.3	0.8	2.1	36.6	0.06	0.09	0.03	81	0.44	0.019
3900 41W	Soil		1.05	21.89	4.84	51.6	49	18.8	9.1	786	2.47	1.1	0.2	1.1	1.3	74.3	0.06	0.09	0.06	69	1.31	0.024
3900 42W	Soil		0.60	19.52	4.42	56.1	24	16.3	9.2	478	2.59	1.5	0.3	0.5	1.8	43.5	0.07	0.08	0.06	66	0.47	0.035
3900 43W	Soil		0.78	17.48	4.10	66.3	31	17.9	9.4	950	2.35	0.9	0.3	<0.2	1.2	38.3	0.11	0.07	0.05	63	0.38	0.026
3900 44W	Soil		0.47	12.75	2.95	50.7	24	12.9	7.1	332	2.24	0.9	0.2	1.3	1.3	35.5	0.07	0.07	0.03	67	0.34	0.030
3900 45W	Soil		0.84	13.32	3.48	49.0	13	11.7	10.9	958	2.25	1.0	0.2	6.8	1.0	28.8	0.06	0.08	0.04	70	0.30	0.015
3900 46W	Soil		0.51	54.28	3.89	34.7	40	32.0	13.1	448	2.86	2.5	0.4	<0.2	1.5	48.1	0.06	0.10	0.13	80	0.66	0.091
3900 47W	Soil		0.49	54.35	4.10	35.0	52	29.9	11.9	419	3.07	2.0	0.4	2.0	1.5	43.1	0.07	0.10	0.07	84	0.69	0.072
3900 48W	Soil		0.42	12.47	3.12	26.6	16	10.2	8.2	177	2.03	0.9	0.2	1.1	1.0	26.3	0.03	0.07	0.06	57	0.29	0.040
3900 49W	Soil		0.36	45.87	2.68	30.2	44	25.5	10.7	206	3.19	1.3	0.4	0.3	1.4	38.0	0.06	0.07	0.03	76	0.44	0.033
3900 50W	Soil		0.47	34.03	3.57	40.0	36	21.3	10.9	466	2.80	1.1	0.4	0.5	1.3	47.5	0.07	0.11	0.03	72	0.57	0.035
3900 51W	Soil		0.44	27.50	3.43	37.3	22	19.9	9.7	438	2.81	1.2	0.3	0.5	1.7	40.1	0.06	0.08	0.04	82	0.42	0.026
3900 52W	Soil		0.42	19.31	3.67	35.8	24	16.1	8.9	391	2.45	0.8	0.3	0.4	1.3	34.4	0.07	0.07	0.02	72	0.36	0.028
3900 53W	Soil		0.39	19.67	3.57	40.8	15	18.1	9.3	369	2.41	1.1	0.4	1.4	1.4	38.1	0.07	0.08	0.04	65	0.38	0.029
3900 54W	Soil		0.45	24.83	3.85	41.1	15	21.4	12.1	676	2.74	1.0	0.3	0.4	1.3	36.7	0.09	0.09	0.03	88	0.37	0.024

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3800 66W	Soil		12.2	26.9	1.16	113.6	0.107	<20	1.77	0.075	0.14	<0.1	6.0	0.04	<0.02	44	0.4	<0.02	5.9
3800 66W	Soil		12.7	26.7	1.14	114.3	0.111	<20	1.79	0.083	0.13	<0.1	5.8	0.04	<0.02	26	0.2	<0.02	6.2
3800 67W	Soil		13.0	34.4	0.89	125.5	0.052	<20	2.08	0.013	0.16	<0.1	6.5	0.03	<0.02	19	0.2	<0.02	6.7
3800 68W	Soil		11.5	35.1	0.84	122.0	0.053	<20	1.89	0.012	0.14	<0.1	5.7	0.03	<0.02	8	0.2	0.07	6.2
3800 69W	Soil		15.0	29.1	0.62	131.7	0.108	<20	1.82	0.024	0.29	<0.1	6.6	0.03	<0.02	14	0.3	<0.02	6.4
3800 70W	Soil		13.6	28.4	0.82	159.0	0.086	<20	2.00	0.029	0.21	<0.1	7.1	0.04	<0.02	17	0.3	0.02	6.3
3800 71W	Soil		10.0	28.1	0.34	102.9	0.111	<20	0.93	0.024	0.13	<0.1	3.7	<0.02	<0.02	13	0.3	<0.02	3.6
3800 72W	Soil		13.2	29.8	0.73	142.5	0.096	<20	2.21	0.024	0.30	<0.1	7.2	0.05	<0.02	34	0.3	<0.02	7.1
3800 73W	Soil		11.9	30.5	0.72	141.9	0.099	<20	1.90	0.032	0.16	<0.1	6.8	0.04	<0.02	47	0.2	0.03	6.5
3800 74W	Soil		13.7	32.4	0.59	159.6	0.081	<20	1.72	0.025	0.33	<0.1	6.1	0.04	<0.02	30	0.2	0.02	6.0
3800 75W	Soil		13.1	38.9	0.84	160.2	0.086	<20	2.34	0.023	0.37	<0.1	8.1	0.04	<0.02	<5	0.2	<0.02	7.3
3800 76W	Soil		12.7	30.9	0.68	128.3	0.105	<20	1.60	0.028	0.26	<0.1	5.5	0.03	<0.02	16	0.2	<0.02	5.6
3800 77W	Soil		11.9	22.5	0.51	141.7	0.122	<20	1.48	0.022	0.18	<0.1	4.9	<0.02	<0.02	10	0.2	0.02	5.3
3800 78W	Soil		10.5	32.2	0.58	148.1	0.093	<20	1.35	0.015	0.17	<0.1	4.6	0.02	<0.02	8	0.3	0.03	4.9
3800 79W	Soil		15.0	39.2	0.68	132.6	0.119	<20	1.99	0.026	0.27	<0.1	6.7	0.03	<0.02	15	0.3	0.02	6.7
3800 80W	Soil		10.2	33.0	0.41	90.6	0.113	<20	1.20	0.021	0.19	<0.1	4.1	<0.02	<0.02	12	0.2	<0.02	4.2
3900 41W	Soil		7.2	22.4	0.27	225.9	0.105	<20	1.12	0.015	0.18	<0.1	3.2	0.03	<0.02	32	0.1	<0.02	4.1
3900 42W	Soil		6.7	28.2	0.30	190.7	0.129	<20	1.26	0.016	0.22	<0.1	4.0	0.05	<0.02	10	<0.1	<0.02	4.6
3900 43W	Soil		7.1	25.8	0.30	221.9	0.117	<20	1.14	0.016	0.15	<0.1	3.5	0.04	<0.02	18	0.2	<0.02	4.0
3900 44W	Soil		3.8	24.2	0.22	119.6	0.102	<20	0.87	0.015	0.15	<0.1	2.5	0.03	<0.02	12	0.1	<0.02	3.4
3900 45W	Soil		4.9	27.1	0.20	115.2	0.116	<20	0.80	0.017	0.13	<0.1	2.9	0.03	<0.02	13	0.2	<0.02	3.1
3900 46W	Soil		9.6	26.0	0.68	75.3	0.084	<20	0.89	0.042	0.07	<0.1	3.3	<0.02	<0.02	10	0.2	<0.02	3.6
3900 47W	Soil		9.3	28.9	0.56	91.7	0.089	<20	1.19	0.026	0.11	<0.1	4.3	0.02	<0.02	24	0.2	0.03	4.5
3900 48W	Soil		3.4	23.0	0.19	75.8	0.101	<20	0.84	0.015	0.11	<0.1	2.5	0.03	<0.02	11	0.1	0.03	3.1
3900 49W	Soil		9.1	33.8	0.31	79.0	0.107	<20	1.36	0.020	0.15	<0.1	4.8	<0.02	<0.02	15	<0.1	<0.02	4.6
3900 50W	Soil		9.6	31.9	0.34	111.8	0.106	<20	1.08	0.020	0.18	<0.1	3.8	0.02	<0.02	28	0.2	<0.02	3.9
3900 51W	Soil		9.6	29.7	0.30	120.5	0.113	<20	1.00	0.019	0.15	<0.1	3.5	0.03	<0.02	16	0.2	<0.02	3.8
3900 52W	Soil		6.8	29.5	0.23	106.7	0.109	<20	0.90	0.016	0.15	<0.1	3.2	0.03	<0.02	19	0.1	<0.02	3.4
3900 53W	Soil		8.5	30.9	0.29	106.2	0.118	<20	1.02	0.017	0.19	<0.1	3.9	0.04	<0.02	9	0.1	<0.02	3.6
3900 54W	Soil		8.7	32.4	0.28	134.0	0.109	<20	0.90	0.016	0.16	<0.1	3.4	0.03	<0.02	14	0.1	<0.02	3.5

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
3900 55W	Soil		0.56	19.32	3.73	50.3	19	17.7	9.4	601	2.22	0.8	0.2	3.1	1.0	29.7	0.11	0.10	0.08	65	0.41	0.024
3900 56W	Soil		0.54	76.83	5.26	43.1	37	24.0	12.9	504	3.11	1.7	0.4	1.1	1.9	34.0	0.08	0.13	0.08	85	0.54	0.031
3900 57W	Soil		0.61	176.7	5.82	54.2	117	31.4	17.1	425	3.71	3.6	0.6	4.3	3.1	53.3	0.10	0.26	0.09	85	0.77	0.064
3900 58W	Soil		0.77	172.9	3.16	31.7	78	11.8	8.2	431	2.26	1.3	0.5	1.2	1.8	30.2	0.07	0.12	0.08	63	0.53	0.032
3900 59W	Soil		0.67	131.8	4.43	44.3	113	21.2	12.6	451	3.17	2.3	0.4	2.8	2.3	73.5	0.11	0.13	0.08	80	0.89	0.056
3900 60W	Soil		0.50	75.78	6.13	61.7	68	15.5	12.6	704	3.49	2.9	0.5	2.3	1.5	86.6	0.12	0.11	0.07	80	0.92	0.045
3900 61W	Soil		0.39	48.17	10.27	88.6	75	15.3	13.3	981	3.75	3.7	0.5	1.4	1.5	102.1	0.21	0.08	0.13	66	0.95	0.044
3900 62W	Soil		0.36	52.59	6.65	67.6	92	18.9	16.1	679	3.72	2.8	0.5	0.7	1.7	151.8	0.14	0.11	0.07	88	1.86	0.070
3900 63W	Soil		0.36	64.20	5.20	61.7	177	20.3	16.6	663	3.88	2.4	0.5	1.7	1.4	121.1	0.11	0.11	0.06	97	1.16	0.038
3900 64W	Soil		0.38	54.36	3.38	38.7	33	15.1	10.2	429	2.55	1.8	0.3	0.2	1.6	55.5	0.06	0.08	0.05	71	0.57	0.019
3900 65W	Soil		0.76	198.7	3.94	42.4	106	22.6	11.7	367	3.02	2.9	0.3	4.9	2.2	48.1	0.09	0.12	0.08	66	0.80	0.092
3900 66W	Soil		0.62	70.00	3.02	25.7	27	11.9	8.0	426	2.08	1.3	0.3	0.5	1.6	30.2	0.05	0.09	0.05	62	0.44	0.014
3900 67W	Soil		0.88	253.0	3.93	35.1	64	12.8	10.4	499	2.63	1.6	0.5	0.8	2.3	35.0	0.06	0.10	0.13	68	0.54	0.028
3900 68W	Soil		0.52	49.63	3.58	46.4	26	34.6	18.9	791	3.20	0.9	0.2	0.3	2.0	38.3	0.08	0.08	0.06	72	0.50	0.018
3900 69W	Soil		0.48	121.4	4.11	63.9	94	57.9	24.8	651	4.47	1.3	0.4	2.2	2.5	46.3	0.11	0.09	0.06	70	0.70	0.036
3900 70W	Soil		0.59	37.41	3.45	45.4	22	27.4	15.2	817	2.75	1.0	0.3	0.3	1.6	33.8	0.04	0.09	0.05	74	0.45	0.015
3900 71W	Soil		0.59	57.65	5.16	49.4	70	23.5	14.4	552	2.52	2.3	0.3	1.3	1.4	39.5	0.11	0.13	0.06	62	0.48	0.039
3900 72W	Soil		0.79	117.2	3.89	43.9	60	28.3	13.6	493	2.86	3.2	0.6	1.5	2.4	57.9	0.06	0.11	0.06	70	1.23	0.081
3900 73W	Soil		0.74	114.8	3.61	37.5	80	24.2	12.7	451	2.79	2.7	0.4	1.9	1.6	56.8	0.10	0.13	0.06	76	1.27	0.081
3900 74W	Soil		0.76	126.4	2.83	32.2	75	16.9	9.9	388	2.49	2.5	0.4	1.6	1.5	47.1	0.06	0.12	0.06	69	1.19	0.076
3900 75W	Soil		0.52	111.5	2.69	35.0	33	21.2	13.1	425	2.98	1.7	0.4	0.8	1.7	31.7	0.06	0.11	0.04	76	0.52	0.040
3900 76W	Soil		0.42	70.16	4.59	52.8	31	39.6	17.6	584	3.29	1.8	0.4	1.9	2.5	51.8	0.11	0.10	0.06	74	0.66	0.042
3900 77W	Soil		0.47	65.48	4.98	56.4	38	42.6	17.6	586	3.65	2.4	0.3	2.2	1.6	75.1	0.08	0.11	0.06	76	0.61	0.033
3900 78W	Soil		0.56	107.1	4.07	51.4	77	48.3	21.0	574	3.63	2.8	0.4	2.3	2.2	59.8	0.09	0.13	0.06	83	1.26	0.091
3900 79W	Soil		0.64	101.4	3.96	60.4	79	58.9	24.1	636	3.46	3.6	0.5	1.3	2.3	84.1	0.11	0.18	0.07	71	1.63	0.099
3900 80W	Soil		0.52	52.16	3.88	32.7	41	33.0	13.5	391	3.13	2.0	0.3	2.1	1.3	30.8	0.08	0.10	0.03	83	0.54	0.061

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Project: IRON MASK
Report Date: November 06, 2012

CERTIFICATE OF ANALYSIS VAN12004766.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3900 55W	Soil		7.0	24.4	0.21	114.0	0.103	<20	0.76	0.016	0.15	<0.1	2.6	0.03	<0.02	15	<0.1	<0.02	2.6
3900 56W	Soil		9.2	29.6	0.36	105.0	0.104	<20	1.30	0.015	0.18	<0.1	4.2	0.03	<0.02	31	0.2	<0.02	4.2
3900 57W	Soil		12.0	28.5	0.77	175.5	0.104	<20	2.14	0.024	0.21	<0.1	6.5	0.05	<0.02	29	0.4	0.03	6.0
3900 58W	Soil		9.4	15.7	0.28	165.5	0.064	<20	1.03	0.009	0.13	<0.1	2.5	<0.02	<0.02	22	0.2	<0.02	3.3
3900 59W	Soil		11.2	25.8	0.68	133.5	0.141	<20	2.06	0.023	0.13	<0.1	5.9	<0.02	<0.02	10	0.1	<0.02	6.1
3900 60W	Soil		13.9	22.3	0.71	101.0	0.162	<20	2.56	0.019	0.16	<0.1	7.0	<0.02	<0.02	9	0.3	<0.02	8.7
3900 61W	Soil		25.3	24.1	0.73	111.5	0.061	<20	2.84	0.011	0.44	<0.1	7.6	0.05	<0.02	21	0.3	<0.02	10.7
3900 62W	Soil		14.2	26.5	1.10	72.0	0.156	<20	3.54	0.029	0.18	<0.1	8.7	<0.02	<0.02	15	0.3	<0.02	11.5
3900 63W	Soil		10.6	29.8	0.97	77.5	0.165	<20	2.99	0.022	0.13	<0.1	7.7	<0.02	<0.02	15	0.1	<0.02	9.7
3900 64W	Soil		8.2	20.2	0.45	81.1	0.157	<20	1.53	0.013	0.16	<0.1	4.9	<0.02	<0.02	7	<0.1	<0.02	5.2
3900 65W	Soil		10.6	24.3	0.64	142.9	0.087	<20	1.88	0.014	0.18	<0.1	5.1	<0.02	<0.02	<5	0.1	<0.02	5.6
3900 66W	Soil		9.1	17.6	0.26	88.6	0.103	<20	0.96	0.013	0.09	<0.1	3.0	<0.02	<0.02	<5	<0.1	<0.02	3.5
3900 67W	Soil		13.1	16.6	0.34	231.8	0.076	<20	1.53	0.009	0.16	<0.1	4.0	<0.02	<0.02	6	0.2	<0.02	4.5
3900 68W	Soil		13.4	31.0	0.39	93.3	0.164	<20	1.35	0.029	0.21	<0.1	5.1	0.03	<0.02	12	0.2	<0.02	4.6
3900 69W	Soil		15.7	36.4	0.82	117.8	0.152	<20	2.44	0.028	0.31	<0.1	8.0	0.04	<0.02	15	0.2	<0.02	7.2
3900 70W	Soil		10.5	27.8	0.35	105.0	0.133	<20	1.03	0.022	0.18	<0.1	4.3	0.02	<0.02	<5	0.2	0.03	3.7
3900 71W	Soil		9.2	25.3	0.39	88.3	0.079	<20	1.27	0.015	0.23	<0.1	4.4	0.04	0.02	26	0.4	0.04	4.1
3900 72W	Soil		9.6	25.2	0.81	101.4	0.094	<20	1.42	0.029	0.11	<0.1	4.5	<0.02	<0.02	<5	0.2	<0.02	4.6
3900 73W	Soil		9.1	24.4	0.65	96.5	0.089	<20	1.31	0.024	0.09	<0.1	4.3	<0.02	<0.02	8	<0.1	<0.02	4.6
3900 74W	Soil		7.8	18.8	0.48	93.6	0.079	<20	1.12	0.019	0.09	<0.1	3.4	<0.02	<0.02	15	<0.1	<0.02	3.7
3900 75W	Soil		9.0	21.2	0.40	95.5	0.142	<20	1.30	0.021	0.11	<0.1	4.2	<0.02	<0.02	7	0.2	<0.02	4.5
3900 76W	Soil		10.7	35.6	0.79	118.6	0.102	<20	1.85	0.018	0.14	<0.1	6.0	0.03	<0.02	<5	0.3	<0.02	5.5
3900 77W	Soil		12.4	40.2	0.88	109.3	0.090	<20	2.20	0.016	0.22	<0.1	6.9	0.02	<0.02	8	0.1	<0.02	6.7
3900 78W	Soil		11.1	30.2	0.96	104.4	0.129	<20	1.79	0.057	0.14	<0.1	5.5	0.03	<0.02	13	0.2	<0.02	5.7
3900 79W	Soil		11.4	27.2	1.20	111.2	0.129	<20	1.89	0.082	0.15	<0.1	5.7	0.06	<0.02	24	0.3	<0.02	5.8
3900 80W	Soil		7.7	32.9	0.49	61.2	0.108	<20	1.14	0.019	0.11	<0.1	3.6	<0.02	<0.02	15	0.2	<0.02	3.9

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Project: IRON MASK
Report Date: November 06, 2012

QUALITY CONTROL REPORT VAN12004766.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1900 21W	Soil	0.84	18.20	5.41	94.5	24	11.1	5.1	1242	1.64	2.6	0.2	0.6	0.9	73.5	0.18	0.08	0.07	40	0.54	0.035
REP 1900 21W	QC	0.77	18.45	5.36	93.6	27	10.6	5.3	1190	1.59	2.5	0.2	0.7	0.8	71.4	0.18	0.09	0.07	39	0.53	0.035
2100 7W	Soil	0.38	12.08	5.00	68.0	79	10.7	5.7	250	1.70	1.8	0.2	<0.2	0.9	34.4	0.06	0.03	0.08	39	0.34	0.034
REP 2100 7W	QC	0.46	12.32	5.10	72.3	73	11.1	6.0	255	1.73	1.6	0.2	0.4	0.9	35.3	0.09	0.04	0.07	40	0.34	0.035
2300 3W	Soil	0.66	9.23	4.14	84.0	69	9.3	5.0	601	1.73	1.8	0.2	<0.2	0.7	65.5	0.06	0.05	0.07	55	0.31	0.055
REP 2300 3W	QC	0.67	8.64	4.04	78.8	59	8.7	4.9	580	1.68	1.7	0.2	0.2	0.6	65.9	0.05	0.05	0.06	53	0.30	0.054
3800 53W	Soil	0.44	25.54	3.16	53.9	56	19.1	9.6	768	2.33	1.5	0.3	<0.2	0.8	44.7	0.11	0.10	0.05	63	0.60	0.043
REP 3800 53W	QC	0.50	24.25	2.98	49.8	51	18.6	9.1	777	2.25	2.2	0.2	0.3	1.3	43.5	0.09	0.08	0.05	60	0.59	0.042
3800 55W	Soil	0.41	15.78	3.50	69.0	13	13.9	6.9	968	2.19	1.1	0.1	<0.2	1.0	45.7	0.10	0.05	0.05	62	0.44	0.040
REP 3800 55W	QC	0.38	15.61	3.51	67.6	16	14.2	6.9	960	2.12	1.4	0.1	<0.2	1.1	45.5	0.10	0.04	0.04	58	0.46	0.041
3900 50W	Soil	0.47	34.03	3.57	40.0	36	21.3	10.9	466	2.80	1.1	0.4	0.5	1.3	47.5	0.07	0.11	0.03	72	0.57	0.035
REP 3900 50W	QC	0.43	31.84	3.35	36.0	32	21.0	11.1	450	2.78	1.1	0.3	<0.2	1.3	42.6	0.07	0.09	0.04	76	0.54	0.033
3900 79W	Soil	0.64	101.4	3.96	60.4	79	58.9	24.1	636	3.46	3.6	0.5	1.3	2.3	84.1	0.11	0.18	0.07	71	1.63	0.099
REP 3900 79W	QC	0.67	100.1	3.96	56.8	81	59.3	23.9	638	3.45	3.6	0.5	2.0	2.2	82.3	0.13	0.17	0.08	71	1.63	0.097
Reference Materials																					
STD DS9	Standard	14.05	110.5	125.7	319.4	2208	43.0	7.1	547	2.37	23.2	3.0	106.8	7.0	61.3	2.42	3.85	5.42	40	0.74	0.078
STD DS9	Standard	13.19	113.7	133.6	324.8	1902	43.2	8.1	634	2.43	25.9	2.8	136.8	6.9	72.9	2.37	4.61	6.87	42	0.77	0.090
STD DS9	Standard	12.81	109.2	130.0	327.8	2168	40.6	7.8	585	2.35	26.4	2.4	105.2	6.1	72.4	2.53	3.96	6.89	37	0.71	0.084
STD DS9	Standard	12.12	109.0	142.1	325.8	1864	40.5	7.5	604	2.35	25.3	2.7	112.0	6.3	68.3	2.47	4.40	7.12	39	0.71	0.085
STD DS9	Standard	12.67	118.5	135.4	332.6	2110	44.2	8.4	639	2.44	29.0	2.8	124.8	6.3	75.8	2.68	4.72	6.65	40	0.75	0.090
STD DS9	Standard	13.90	119.3	128.2	306.0	1888	44.4	8.0	562	2.40	24.6	3.0	106.0	6.6	60.8	2.14	3.97	5.77	39	0.70	0.078
STD DS9	Standard	14.09	104.9	145.2	317.3	1799	41.4	7.5	604	2.35	24.7	2.5	108.1	6.1	71.4	2.29	4.07	6.84	40	0.71	0.083
STD OREAS45EA	Standard	1.27	693.6	11.78	24.7	225	367.2	48.2	330	20.90	8.3	1.4	48.3	8.2	2.0	0.03	0.13	0.19	298	0.03	0.024
STD OREAS45EA	Standard	1.44	711.6	14.80	29.5	281	397.9	50.9	397	22.76	10.2	1.8	66.3	10.3	2.8	0.02	0.16	0.27	331	0.04	0.030
STD OREAS45EA	Standard	1.49	735.0	15.30	31.1	271	397.4	54.6	451	24.61	10.0	2.0	49.0	11.6	3.7	0.04	0.14	0.25	310	0.05	0.030
STD OREAS45EA	Standard	1.31	696.3	15.27	28.2	291	380.4	50.3	396	23.30	8.3	1.8	54.3	10.3	2.8	0.01	0.16	0.25	307	0.03	0.026
STD OREAS45EA	Standard	1.49	740.6	16.65	30.1	317	412.1	58.6	440	26.24	8.8	2.0	63.7	12.0	3.9	0.04	0.19	0.27	320	0.04	0.035
STD OREAS45EA	Standard	1.46	685.8	12.54	27.6	238	388.3	53.1	380	22.96	7.9	1.5	45.7	8.9	2.5	0.04	0.15	0.20	320	0.04	0.025

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Sookochoff Consultants Inc.**
120 125A - 1030 Denman Street
Vancouver BC V6G 2M6 CANADA

Project: IRON MASK
Report Date: November 06, 2012

QUALITY CONTROL REPORT VAN12004766.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
1900 21W	Soil	5.2	19.4	0.23	224.5	0.084	<20	1.10	0.015	0.18	<0.1	2.9	0.07	<0.02	37	<0.1	<0.02	3.7
REP 1900 21W	QC	5.0	19.6	0.23	216.4	0.086	<20	1.08	0.014	0.18	<0.1	2.8	0.07	<0.02	42	<0.1	<0.02	3.6
2100 7W	Soil	3.2	14.9	0.27	110.4	0.108	<20	1.51	0.013	0.08	<0.1	2.5	0.03	<0.02	7	<0.1	<0.02	5.2
REP 2100 7W	QC	3.1	15.5	0.29	112.8	0.109	<20	1.54	0.013	0.09	<0.1	2.5	0.04	<0.02	9	<0.1	0.03	5.2
2300 3W	Soil	3.1	16.8	0.17	89.5	0.099	<20	1.26	0.012	0.07	<0.1	2.2	0.05	<0.02	16	<0.1	0.02	5.1
REP 2300 3W	QC	3.1	16.2	0.17	85.4	0.096	<20	1.23	0.011	0.07	<0.1	2.1	0.04	<0.02	18	<0.1	<0.02	4.8
3800 53W	Soil	9.0	25.6	0.31	130.3	0.094	<20	0.96	0.017	0.18	<0.1	3.7	0.04	<0.02	38	0.2	<0.02	3.8
REP 3800 53W	QC	8.7	24.8	0.30	124.7	0.092	<20	0.93	0.017	0.18	<0.1	3.5	0.04	<0.02	34	0.2	<0.02	3.7
3800 55W	Soil	5.9	23.0	0.26	182.4	0.092	<20	0.90	0.016	0.24	<0.1	3.0	0.05	<0.02	22	<0.1	<0.02	3.4
REP 3800 55W	QC	5.5	21.2	0.26	177.4	0.091	<20	0.92	0.015	0.24	<0.1	3.1	0.05	<0.02	9	<0.1	0.02	3.4
3900 50W	Soil	9.6	31.9	0.34	111.8	0.106	<20	1.08	0.020	0.18	<0.1	3.8	0.02	<0.02	28	0.2	<0.02	3.9
REP 3900 50W	QC	9.3	31.3	0.34	104.3	0.102	<20	1.03	0.019	0.17	<0.1	3.7	0.02	<0.02	24	0.3	<0.02	3.8
3900 79W	Soil	11.4	27.2	1.20	111.2	0.129	<20	1.89	0.082	0.15	<0.1	5.7	0.06	<0.02	24	0.3	<0.02	5.8
REP 3900 79W	QC	11.4	26.5	1.18	110.6	0.125	<20	1.89	0.081	0.15	<0.1	5.6	0.05	<0.02	32	0.2	0.03	5.4
Reference Materials																		
STD DS9	Standard	13.4	110.9	0.64	331.7	0.113	<20	0.97	0.083	0.40	3.0	2.2	6.09	0.16	223	5.6	5.28	5.0
STD DS9	Standard	14.0	121.6	0.65	324.8	0.115	<20	1.00	0.087	0.41	2.4	2.7	5.93	0.17	218	5.6	5.28	4.9
STD DS9	Standard	12.9	109.9	0.64	338.5	0.110	<20	1.00	0.085	0.41	2.8	2.9	5.71	0.17	200	5.9	5.66	4.7
STD DS9	Standard	11.8	116.7	0.63	336.7	0.107	<20	0.94	0.079	0.40	3.0	2.6	6.04	0.16	232	6.0	4.89	4.9
STD DS9	Standard	12.9	127.1	0.64	363.0	0.111	<20	0.97	0.084	0.42	2.8	2.4	6.01	0.18	226	6.2	5.53	5.2
STD DS9	Standard	11.7	115.5	0.64	302.5	0.118	<20	0.96	0.082	0.40	2.7	2.1	5.16	0.17	195	5.3	4.69	4.3
STD DS9	Standard	13.3	109.2	0.63	336.4	0.110	<20	0.92	0.080	0.39	3.4	2.8	6.13	0.16	218	5.8	5.36	5.1
STD OREAS45EA	Standard	5.9	716.3	0.09	119.5	0.085	<20	3.17	0.017	0.05	<0.1	62.8	0.06	0.04	<5	0.9	0.05	11.2
STD OREAS45EA	Standard	7.1	834.6	0.10	153.0	0.087	<20	3.30	0.017	0.05	<0.1	78.3	0.07	0.03	13	1.2	0.10	12.6
STD OREAS45EA	Standard	7.3	905.8	0.11	162.5	0.097	<20	3.34	0.018	0.05	<0.1	83.9	0.06	0.04	<5	0.6	0.13	13.7
STD OREAS45EA	Standard	6.5	855.9	0.10	145.6	0.090	<20	3.09	0.018	0.05	<0.1	74.3	0.07	0.03	10	0.5	0.06	12.8
STD OREAS45EA	Standard	7.7	967.3	0.10	181.2	0.098	<20	3.47	0.022	0.06	<0.1	85.5	<0.02	0.04	8	0.8	0.07	14.1
STD OREAS45EA	Standard	5.8	870.4	0.08	120.5	0.094	<20	3.20	0.016	0.05	<0.1	66.5	<0.02	0.04	<5	0.7	0.03	10.9

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120 125A - 1030 Denman Street
Vancouver BC V6G 2M6 CANADA

Project: IRON MASK
Report Date: November 06, 2012

QUALITY CONTROL REPORT VAN12004766.1

		1F Mo ppm 0.01	1F Cu ppm 0.01	1F Pb ppm 0.01	1F Zn ppm 0.1	1F Ag ppb 2	1F Ni ppm 0.1	1F Co ppm 0.1	1F Mn ppm 1	1F Fe % 0.01	1F As ppm 0.1	1F U ppm 0.1	1F Au ppb 0.2	1F Th ppm 0.1	1F Sr ppm 0.5	1F Cd ppm 0.01	1F Sb ppm 0.02	1F Bi ppm 0.02	1F V ppm 2	1F Ca % 0.01	1F P % 0.001
STD OREAS45EA	Standard	1.50	666.6	15.18	29.3	277	374.2	53.7	424	24.69	7.2	1.9	65.0	10.9	2.9	0.04	0.12	0.26	295	0.04	0.031
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OREAS45EA Expected		1.78	709	14.3	30.6	311	357	52	400	22.65	11.4	1.73	53	10.7	4.05	0.03	0.64	0.26	295	0.032	0.029
BLK	Blank	<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.5	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.19	<0.01	<0.1	<2	0.2	<0.1	2	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	4	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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QUALITY CONTROL REPORT VAN12004766.1

		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		La	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Sc**	**Tl**	**S**	**Hg**	**Se**	**Te**	**Ga**
		ppm	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**%**	**ppb**	**ppm**	**ppm**	**ppm**
		0.5	**0.5**	**0.01**	**0.5**	**0.001**	**20**	**0.01**	**0.001**	**0.01**	**0.1**	**0.1**	**0.02**	**0.02**	**5**	**0.1**	**0.02**	**0.1**
STD OREAS45EA	Standard	7.3	879.7	0.11	146.4	0.094	<20	3.14	0.021	0.05	<0.1	80.6	0.05	0.04	9	0.6	0.08	13.8
STD DS9 Expected		13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
STD OREAS45EA Expected		8.19	849	0.095	148	0.106		3.32	0.027	0.053		78	0.072	0.044	340	2.09	0.11	11.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	2.0	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	0.6	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	2.0	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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Submitted By: Laurence Sookochoff
Receiving Lab: Canada-Vancouver
Received: October 05, 2012
Report Date: November 01, 2012
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN12004767.1

CLIENT JOB INFORMATION

Project: IRON MASK
Shipment ID:
P.O. Number
Number of Samples: 112

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	112	Dry at 60C			VAN
SS80	112	Dry at 60C sieve 100g to -80 mesh			VAN
1F01	112	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Sookochoff Consultants Inc.
120 125A - 1030 Denman Street
Vancouver BC V6G 2M6
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: IRON MASK
Report Date: November 01, 2012

CERTIFICATE OF ANALYSIS VAN12004767.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
8200 BL00	Soil		0.47	37.15	4.27	56.4	26	19.3	10.6	600	2.93	1.6	0.3	1.1	1.4	55.7	0.08	0.09	0.12	72	0.55	0.034
8200 1W	Soil		0.49	39.49	5.12	62.8	16	18.9	12.4	824	2.89	2.7	0.3	1.1	1.5	77.7	0.13	0.08	0.09	71	0.67	0.052
8200 2W	Soil		0.56	24.87	5.14	70.6	35	13.4	9.5	892	2.81	2.1	0.4	0.8	1.3	65.9	0.14	0.08	0.09	78	0.56	0.021
8200 3W	Soil		0.49	30.69	4.92	64.4	46	13.7	9.4	699	2.84	2.1	0.3	0.4	1.3	70.0	0.13	0.09	0.08	82	0.59	0.027
8200 4W	Soil		0.53	26.22	5.83	69.0	63	13.6	8.9	647	2.64	2.6	0.3	0.6	1.2	82.0	0.13	0.11	0.08	72	0.87	0.043
8200 5W	Soil		1.32	60.68	7.65	82.0	172	21.9	19.6	1214	3.84	65.2	0.2	26.1	0.7	304.1	0.20	0.40	0.08	63	4.04	0.229
8200 6W	Soil		1.23	61.00	7.39	73.0	165	22.6	19.9	1260	3.86	68.0	0.2	42.6	0.8	328.4	0.19	0.41	0.11	64	4.21	0.220
8200 7W	Soil		1.15	59.47	7.63	77.3	156	21.8	19.9	1218	3.75	63.1	0.2	24.6	0.7	316.9	0.21	0.44	0.09	63	4.26	0.218
8200 8W	Soil		67.01	93.80	7.59	71.2	284	13.7	15.0	1095	4.44	194.5	0.2	13.7	0.7	616.8	0.18	0.86	0.07	75	2.15	0.059
8200 9W	Soil		5.20	108.8	6.85	68.8	107	15.9	16.8	854	4.18	68.1	0.4	6.3	1.3	493.0	0.09	0.33	0.09	84	2.20	0.065
8200 10W	Soil		0.71	45.36	4.83	62.3	48	22.2	14.4	537	3.89	6.7	0.3	2.7	1.2	113.9	0.07	0.11	0.07	90	0.84	0.039
8200 11W	Soil		0.33	51.47	6.17	70.1	33	31.0	24.0	955	4.80	2.8	0.6	0.4	1.5	153.1	0.14	0.24	0.06	128	1.65	0.040
8200 12W	Soil		0.21	68.07	5.34	58.4	241	21.6	19.5	741	3.92	3.8	0.8	5.3	1.5	276.5	0.07	0.11	0.06	120	4.67	0.053
8200 13W	Soil		0.26	43.37	5.29	54.7	78	18.4	14.9	612	3.38	1.9	0.6	1.7	1.1	266.4	0.08	0.13	0.06	93	3.64	0.031
8200 14W	Soil		0.23	51.56	5.33	64.5	77	28.6	20.5	744	4.27	1.7	0.7	0.3	1.6	170.0	0.07	0.14	0.05	114	2.08	0.023
8200 15W	Soil		0.38	61.35	4.81	57.7	197	24.0	16.2	588	4.06	3.3	0.6	1.3	1.4	203.4	0.08	0.09	0.06	104	2.04	0.023
8200 16W	Soil		0.69	100.6	4.96	65.4	124	21.9	21.5	1145	4.63	17.5	0.3	9.9	0.9	299.6	0.18	0.11	0.05	106	2.41	0.062
8200 17W	Soil		1.16	78.48	7.58	78.1	119	17.7	19.5	1171	4.60	13.8	0.3	7.6	0.8	208.7	0.16	0.11	0.05	107	1.95	0.084
8200 18W	Soil		0.67	73.15	8.80	90.7	166	23.5	17.3	997	4.09	7.5	0.4	1.3	1.2	163.3	0.16	0.08	0.07	84	2.41	0.073
8200 19W	Soil		0.71	66.02	4.12	64.6	97	40.1	21.2	782	4.42	14.9	0.3	2.0	1.1	263.4	0.09	0.05	0.03	113	3.05	0.074
8200 20W	Soil		0.53	77.58	6.44	65.2	192	22.0	19.1	964	4.18	4.3	0.4	6.8	0.8	138.0	0.13	0.05	0.05	94	5.46	0.080
8200 21W	Soil		0.28	63.74	5.36	65.2	116	29.7	20.8	802	3.77	9.3	0.5	4.1	1.2	443.3	0.09	0.06	0.04	102	3.86	0.047
8200 22W	Soil		0.42	57.75	5.42	59.6	87	16.6	19.4	971	3.83	5.3	0.6	1.0	0.9	534.3	0.12	0.04	0.05	99	5.61	0.085
8200 23W	Soil		0.26	80.67	4.01	61.4	91	21.3	21.2	856	4.21	2.8	0.4	3.3	1.0	287.8	0.08	0.06	0.02	115	2.90	0.034
8200 24W	Soil		0.31	80.68	4.75	68.7	84	23.2	20.7	835	4.55	4.7	0.5	1.8	1.3	217.3	0.08	0.04	0.05	110	1.99	0.025
8400 BL00	Soil		0.31	44.19	5.15	63.2	64	21.9	12.3	787	3.19	2.3	0.6	0.5	1.5	111.1	0.09	0.06	0.05	80	1.13	0.018
8400 1W	Soil		0.32	46.98	5.27	68.1	78	22.7	12.7	796	3.25	2.1	0.6	<0.2	1.6	122.6	0.09	0.07	0.05	79	1.23	0.019
8400 2W	Soil		0.37	59.90	5.39	60.2	249	25.9	14.5	803	3.41	2.8	0.5	2.7	1.7	155.0	0.10	0.06	0.06	74	2.19	0.023
8400 3W	Soil		0.38	47.03	4.40	40.2	268	12.7	9.3	489	2.70	3.5	0.4	4.6	1.0	165.0	0.13	0.15	0.04	66	5.53	0.168
8400 4W	Soil		0.31	55.51	6.95	74.5	86	27.0	15.8	1142	3.42	2.4	0.5	1.7	1.4	100.3	0.15	0.08	0.03	75	2.22	0.072

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Project: IRON MASK
Report Date: November 01, 2012

CERTIFICATE OF ANALYSIS VAN12004767.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
8200 BL00	Soil		11.5	30.6	0.46	86.3	0.130	<20	1.59	0.021	0.35	<0.1	6.4	0.05	<0.02	21	<0.1	<0.02	5.7
8200 1W	Soil		12.6	26.5	0.50	109.1	0.108	<20	1.66	0.021	0.30	<0.1	6.0	0.05	<0.02	20	<0.1	<0.02	6.0
8200 2W	Soil		12.9	24.2	0.45	103.8	0.147	<20	1.37	0.019	0.28	<0.1	6.1	0.05	<0.02	13	<0.1	0.03	5.1
8200 3W	Soil		12.5	25.6	0.42	93.2	0.151	<20	1.43	0.021	0.24	<0.1	6.7	0.04	<0.02	16	<0.1	0.02	5.1
8200 4W	Soil		10.6	24.1	0.45	98.7	0.143	<20	1.51	0.022	0.30	<0.1	6.4	0.05	<0.02	32	<0.1	<0.02	5.0
8200 5W	Soil		15.3	34.5	1.24	170.3	0.011	<20	2.81	0.005	0.40	<0.1	8.6	0.16	0.06	189	0.2	<0.02	7.8
8200 6W	Soil		15.5	34.7	1.24	181.6	0.010	<20	2.85	0.005	0.41	<0.1	8.7	0.17	0.05	151	0.2	<0.02	7.8
8200 7W	Soil		14.8	34.2	1.22	167.5	0.010	<20	2.75	0.006	0.38	<0.1	8.3	0.14	0.05	182	0.2	<0.02	7.7
8200 8W	Soil		13.2	23.8	1.04	162.1	0.046	<20	3.61	0.021	0.30	<0.1	9.2	0.43	0.02	168	<0.1	<0.02	10.0
8200 9W	Soil		13.0	25.9	1.26	134.3	0.123	<20	3.61	0.042	0.24	<0.1	10.6	0.17	<0.02	70	<0.1	<0.02	10.4
8200 10W	Soil		11.9	43.8	1.05	70.2	0.175	<20	2.74	0.023	0.34	<0.1	10.4	0.06	<0.02	19	<0.1	<0.02	8.4
8200 11W	Soil		12.9	32.0	1.78	72.2	0.451	<20	3.18	0.052	0.18	<0.1	14.2	0.02	<0.02	17	<0.1	<0.02	9.5
8200 12W	Soil		11.7	21.0	1.48	56.7	0.205	<20	6.69	0.163	0.11	<0.1	14.1	<0.02	<0.02	18	<0.1	<0.02	19.1
8200 13W	Soil		9.3	18.0	1.14	51.5	0.164	<20	5.65	0.055	0.27	<0.1	9.8	0.02	<0.02	20	<0.1	<0.02	17.6
8200 14W	Soil		12.2	30.4	1.47	75.4	0.312	<20	4.52	0.053	0.21	<0.1	13.6	0.03	<0.02	17	<0.1	<0.02	13.6
8200 15W	Soil		9.5	30.6	1.19	73.8	0.235	<20	4.41	0.051	0.24	<0.1	12.3	0.03	<0.02	15	<0.1	<0.02	12.6
8200 16W	Soil		9.6	38.6	1.58	64.1	0.113	<20	4.00	0.029	0.26	<0.1	13.5	0.04	<0.02	21	<0.1	<0.02	11.3
8200 17W	Soil		11.0	32.0	1.46	60.8	0.135	<20	3.41	0.020	0.25	<0.1	9.4	0.05	<0.02	45	<0.1	<0.02	11.0
8200 18W	Soil		12.4	44.7	1.57	60.0	0.200	<20	3.30	0.014	0.38	<0.1	10.0	0.04	<0.02	41	<0.1	<0.02	12.7
8200 19W	Soil		10.0	69.2	1.88	71.1	0.158	<20	4.37	0.022	0.24	<0.1	13.8	0.03	<0.02	13	<0.1	<0.02	13.0
8200 20W	Soil		13.4	38.4	1.58	46.0	0.192	<20	3.31	0.009	0.20	<0.1	8.9	0.03	<0.02	22	<0.1	<0.02	10.3
8200 21W	Soil		9.9	40.1	1.92	67.1	0.192	<20	5.16	0.087	0.17	<0.1	12.5	0.03	<0.02	29	<0.1	<0.02	18.3
8200 22W	Soil		9.9	27.3	1.65	55.0	0.214	<20	5.32	0.147	0.13	<0.1	10.7	<0.02	<0.02	12	<0.1	<0.02	18.8
8200 23W	Soil		7.5	24.6	1.71	55.5	0.175	<20	4.57	0.042	0.17	<0.1	11.7	0.02	<0.02	12	<0.1	<0.02	15.8
8200 24W	Soil		9.8	40.5	1.74	67.9	0.281	<20	4.47	0.027	0.22	<0.1	13.6	0.04	<0.02	23	<0.1	<0.02	16.0
8400 BL00	Soil		12.1	39.7	0.85	61.3	0.207	<20	2.71	0.021	0.19	<0.1	9.1	0.03	<0.02	16	<0.1	<0.02	9.9
8400 1W	Soil		13.2	39.2	0.91	62.0	0.219	<20	2.88	0.021	0.19	<0.1	9.7	0.03	<0.02	15	<0.1	<0.02	11.1
8400 2W	Soil		9.9	49.0	1.13	51.9	0.172	<20	4.32	0.025	0.23	<0.1	9.7	0.03	<0.02	28	<0.1	<0.02	15.9
8400 3W	Soil		10.9	18.9	0.66	82.9	0.110	<20	1.90	0.019	0.10	<0.1	6.8	0.03	<0.02	23	0.1	<0.02	6.9
8400 4W	Soil		11.7	46.0	1.37	62.8	0.163	<20	3.03	0.014	0.25	<0.1	7.7	0.02	<0.02	20	<0.1	<0.02	9.6

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
8400 5W	Soil		0.59	47.73	7.28	68.6	78	21.4	14.8	1125	4.38	3.5	0.6	7.2	1.3	147.0	0.15	0.08	0.07	103	1.39	0.041
8400 6W	Soil		0.33	48.11	4.94	55.1	168	18.3	11.8	651	3.54	3.9	0.5	24.3	1.3	156.7	0.10	0.06	0.05	88	1.53	0.033
8400 7W	Soil		0.34	38.90	4.85	50.6	262	15.2	9.6	527	2.89	4.0	0.5	3.0	1.1	184.1	0.13	0.13	0.04	91	3.68	0.093
8400 8W	Soil		0.35	25.03	5.30	68.3	16	17.0	10.6	789	3.06	2.1	0.5	0.5	1.5	114.3	0.12	0.07	0.05	96	0.92	0.020
8400 9W	Soil		0.37	28.77	4.73	57.0	24	14.8	9.4	636	3.00	1.8	0.4	<0.2	1.4	134.3	0.10	0.08	0.05	88	0.89	0.037
8400 10W	Soil		0.35	33.02	4.62	45.7	53	13.7	7.9	383	2.91	3.7	0.5	1.3	1.2	125.2	0.06	0.10	0.04	90	0.96	0.047
8400 11W	Soil		0.35	41.93	5.81	65.2	114	17.9	10.6	590	3.11	5.9	0.4	2.3	1.7	268.6	0.10	0.10	0.06	76	1.38	0.057
8400 12W	Soil		0.26	49.58	5.56	49.7	323	17.5	13.3	568	3.34	3.3	0.5	4.1	1.3	146.4	0.13	0.10	0.03	97	3.81	0.132
8400 13W	Soil		0.38	39.94	5.97	67.6	52	18.6	10.6	457	2.98	2.3	0.6	3.2	1.4	125.5	0.11	0.10	0.05	85	1.03	0.030
8400 14W	Soil		0.24	38.61	5.61	60.1	36	19.2	10.3	389	3.51	1.9	0.4	0.8	1.7	98.5	0.06	0.07	0.04	78	0.87	0.027
8400 15W	Soil		0.23	20.98	5.15	85.3	41	13.4	8.9	338	2.87	1.9	0.5	1.6	1.2	56.0	0.08	0.07	0.03	63	0.63	0.037
8400 16W	Soil		0.36	33.76	6.73	73.2	62	15.4	12.0	512	3.30	2.2	1.1	0.7	2.2	89.1	0.11	0.09	0.05	82	0.91	0.032
8400 17W	Soil		0.29	32.39	7.20	71.0	109	7.9	12.7	1171	3.50	2.4	0.5	1.7	1.4	73.0	0.27	0.04	0.03	69	6.70	0.102
8400 18W	Soil		0.80	54.27	5.77	60.2	100	20.0	12.3	545	3.81	3.8	0.5	4.0	1.7	112.2	0.14	0.09	0.05	90	1.22	0.039
8400 19W	Soil		0.63	54.88	8.85	81.2	244	16.4	14.5	890	4.07	3.6	0.7	4.3	1.5	181.3	0.18	0.06	0.05	96	1.85	0.066
8400 20W	Soil		0.45	51.80	9.24	88.8	157	12.9	15.8	1141	4.52	5.5	0.7	3.2	1.6	182.4	0.23	0.04	0.05	100	2.94	0.093
8500 10W	Soil		0.27	55.23	5.09	51.9	145	25.7	12.1	425	3.08	2.4	0.4	0.8	1.2	69.3	0.11	0.06	0.03	74	1.49	0.053
8500 11W	Soil		0.37	41.41	6.54	59.1	76	18.8	12.7	650	3.54	3.2	0.7	1.1	1.9	106.6	0.08	0.11	0.11	109	1.08	0.023
8500 12W	Soil		0.36	47.40	6.70	63.6	105	19.6	13.2	702	3.75	2.8	0.6	2.2	1.9	91.8	0.08	0.09	0.05	103	1.15	0.025
8500 13W	Soil		0.36	56.56	7.36	72.0	104	26.0	15.4	811	3.78	2.8	0.7	1.7	1.6	125.0	0.13	0.05	0.06	101	1.42	0.032
8500 14W	Soil		0.30	71.07	5.82	57.6	123	33.2	15.1	462	3.71	2.4	0.4	4.2	1.6	131.0	0.08	0.05	0.05	90	2.15	0.022
8500 15W	Soil		0.16	69.18	6.61	70.4	144	24.3	17.0	615	4.75	2.6	0.9	1.3	1.8	320.1	0.17	0.06	0.05	115	1.82	0.039
8500 16W	Soil		0.26	46.18	6.69	77.7	45	21.0	13.9	694	3.83	2.6	0.7	<0.2	1.6	175.4	0.16	0.07	0.06	96	1.39	0.044
8500 17W	Soil		0.28	52.22	7.34	70.7	256	14.3	15.8	754	4.37	4.4	0.6	6.1	1.5	111.9	0.18	0.07	0.04	107	2.21	0.088
8500 18W	Soil		0.43	53.44	8.79	91.3	61	22.2	14.9	930	3.62	4.2	0.6	1.6	1.4	123.2	0.17	0.09	0.06	91	1.31	0.056
8500 19W	Soil		0.52	47.18	9.79	73.8	129	14.7	12.2	616	3.79	9.6	0.6	3.1	1.7	108.1	0.19	0.08	0.05	70	1.77	0.071
8500 20W	Soil		0.62	43.23	9.52	81.5	105	15.1	12.3	700	3.43	9.0	0.6	2.7	1.5	104.9	0.21	0.09	0.04	67	1.61	0.081
8500 21W	Soil		0.27	35.90	6.18	85.8	59	16.5	12.3	652	3.55	2.4	0.6	0.4	1.4	125.8	0.14	0.07	0.05	87	0.96	0.042
8500 22W	Soil		0.29	36.98	6.10	88.1	60	16.9	12.4	704	3.54	2.3	0.7	0.5	1.5	125.7	0.16	0.07	0.05	86	1.00	0.046
8500 23W	Soil		0.23	35.21	6.29	82.8	47	17.3	13.0	673	3.55	2.4	0.6	<0.2	1.5	125.9	0.13	0.08	0.05	88	0.99	0.043

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
8400 5W	Soil		10.5	33.9	0.94	71.1	0.206	<20	3.59	0.024	0.21	<0.1	10.2	0.04	<0.02	14	<0.1	<0.02	13.4
8400 6W	Soil		9.4	32.4	0.93	70.7	0.172	<20	3.55	0.036	0.19	<0.1	9.6	0.04	<0.02	15	<0.1	<0.02	10.7
8400 7W	Soil		10.8	22.9	0.73	75.4	0.199	<20	2.11	0.069	0.10	<0.1	7.2	0.02	<0.02	37	<0.1	<0.02	6.8
8400 8W	Soil		11.8	29.2	0.62	79.5	0.273	<20	2.12	0.034	0.19	<0.1	9.0	0.04	<0.02	12	<0.1	<0.02	7.6
8400 9W	Soil		10.7	25.6	0.56	82.6	0.232	<20	2.03	0.040	0.30	<0.1	7.8	0.03	<0.02	10	<0.1	<0.02	6.6
8400 10W	Soil		10.8	26.9	0.55	72.5	0.187	<20	2.13	0.042	0.14	<0.1	7.9	0.02	<0.02	22	<0.1	<0.02	6.6
8400 11W	Soil		10.9	28.5	0.60	79.5	0.207	<20	3.03	0.034	0.30	<0.1	8.9	0.02	<0.02	18	<0.1	<0.02	9.0
8400 12W	Soil		11.2	29.1	0.95	66.9	0.165	<20	2.61	0.057	0.09	<0.1	8.2	<0.02	<0.02	42	<0.1	0.06	7.7
8400 13W	Soil		12.3	31.2	0.71	73.3	0.242	<20	2.32	0.030	0.22	<0.1	9.3	<0.02	<0.02	21	<0.1	<0.02	7.7
8400 14W	Soil		9.8	32.5	0.83	72.4	0.234	<20	2.74	0.018	0.42	<0.1	8.7	0.02	<0.02	6	<0.1	0.03	8.5
8400 15W	Soil		10.7	21.8	0.59	61.3	0.234	<20	2.06	0.014	0.37	<0.1	6.3	0.04	<0.02	10	<0.1	<0.02	7.3
8400 16W	Soil		14.9	24.4	0.73	70.9	0.328	<20	2.28	0.015	0.32	<0.1	8.0	0.03	<0.02	19	<0.1	<0.02	7.5
8400 17W	Soil		18.8	10.7	1.00	44.3	0.190	<20	2.04	0.010	0.18	<0.1	5.4	<0.02	<0.02	10	0.1	<0.02	8.5
8400 18W	Soil		10.0	37.7	1.02	81.4	0.214	<20	3.35	0.018	0.28	<0.1	10.3	0.03	<0.02	19	<0.1	0.02	10.3
8400 19W	Soil		13.1	22.2	1.14	85.4	0.245	<20	3.48	0.014	0.35	<0.1	9.7	0.04	<0.02	14	<0.1	0.02	11.8
8400 20W	Soil		15.7	16.2	1.41	66.5	0.250	<20	3.61	0.012	0.28	<0.1	9.9	0.03	<0.02	38	0.1	<0.02	13.1
8500 10W	Soil		9.8	45.0	0.98	47.3	0.072	<20	3.33	0.014	0.26	<0.1	8.1	<0.02	<0.02	15	0.1	0.02	8.6
8500 11W	Soil		11.6	31.6	0.81	69.2	0.255	<20	2.79	0.030	0.19	<0.1	11.1	<0.02	<0.02	16	<0.1	<0.02	9.0
8500 12W	Soil		12.8	32.6	0.90	77.3	0.208	<20	3.05	0.026	0.24	<0.1	11.3	0.02	<0.02	25	0.3	<0.02	9.7
8500 13W	Soil		11.5	39.9	1.05	78.5	0.238	<20	3.47	0.029	0.27	0.1	11.1	0.03	<0.02	17	0.2	<0.02	11.3
8500 14W	Soil		7.2	53.7	1.32	58.3	0.163	<20	4.51	0.065	0.15	<0.1	10.8	<0.02	<0.02	13	<0.1	<0.02	15.6
8500 15W	Soil		12.5	35.7	1.46	91.7	0.311	<20	4.54	0.024	0.25	<0.1	15.0	<0.02	<0.02	15	<0.1	0.03	16.0
8500 16W	Soil		13.3	31.1	1.05	78.7	0.326	<20	3.29	0.017	0.38	<0.1	11.0	<0.02	<0.02	12	<0.1	<0.02	10.9
8500 17W	Soil		11.1	20.0	1.27	44.3	0.242	<20	3.53	0.016	0.16	<0.1	9.9	<0.02	<0.02	41	0.3	0.04	11.6
8500 18W	Soil		13.0	34.9	0.92	77.3	0.274	<20	2.96	0.011	0.46	<0.1	9.2	0.03	<0.02	36	0.3	0.04	9.5
8500 19W	Soil		17.9	20.0	0.75	66.3	0.204	<20	3.66	0.012	0.47	<0.1	9.4	0.06	<0.02	28	<0.1	<0.02	12.5
8500 20W	Soil		16.3	19.9	0.70	66.6	0.196	<20	3.31	0.011	0.49	<0.1	8.5	0.06	<0.02	47	<0.1	0.03	11.4
8500 21W	Soil		11.9	26.0	0.81	70.7	0.280	<20	2.56	0.013	0.47	<0.1	8.5	0.04	<0.02	7	0.2	0.03	8.9
8500 22W	Soil		12.5	26.5	0.82	71.2	0.277	<20	2.64	0.014	0.46	<0.1	8.7	0.03	<0.02	10	<0.1	0.03	8.8
8500 23W	Soil		12.8	26.6	0.82	70.5	0.290	<20	2.70	0.013	0.47	<0.1	8.8	0.03	<0.02	<5	0.3	0.02	8.9

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Project: IRON MASK
Report Date: November 01, 2012

CERTIFICATE OF ANALYSIS VAN12004767.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
8500 24W	Soil		0.23	37.51	6.24	83.5	63	16.7	12.9	709	3.62	2.4	0.6	<0.2	1.5	123.0	0.15	0.08	0.05	87	1.04	0.053
8600 12W	Soil		0.34	45.57	5.74	65.2	96	22.9	12.9	473	3.89	3.6	0.7	0.7	1.7	101.5	0.11	0.09	0.04	110	1.16	0.036
8600 13W	Soil		0.49	37.13	5.27	67.8	35	19.7	13.0	1125	3.26	4.2	0.6	<0.2	1.5	178.8	0.13	0.11	0.04	93	0.99	0.041
8600 14W	Soil		0.25	69.00	5.82	57.7	105	21.8	14.8	589	4.00	3.6	0.6	5.9	1.7	290.5	0.10	0.06	0.03	109	2.32	0.034
8600 15W	Soil		0.24	61.40	6.56	66.6	110	17.3	15.0	782	4.16	2.9	0.6	3.6	1.8	182.3	0.12	0.07	0.05	103	1.67	0.038
8600 16W	Soil		0.24	68.03	5.93	78.5	94	17.3	16.8	929	4.21	4.4	0.6	1.2	1.5	192.5	0.14	0.05	0.04	123	2.28	0.050
8600 17W	Soil		0.23	79.48	6.85	73.7	173	16.0	16.4	887	4.27	4.4	0.7	6.4	1.5	315.2	0.16	0.08	0.04	134	3.03	0.043
8600 18W	Soil		0.35	77.62	8.25	84.4	239	16.7	17.6	923	4.91	9.7	1.0	7.7	2.0	385.1	0.24	0.06	0.08	137	2.18	0.057
8600 19W	Soil		0.34	74.79	8.07	78.6	84	15.7	16.3	970	4.18	4.0	0.7	2.3	1.4	308.9	0.18	0.08	0.05	134	2.69	0.055
8600 20W	Soil		0.34	76.18	5.95	77.1	79	15.8	16.7	849	4.44	3.5	0.6	0.9	1.5	302.6	0.13	0.08	0.04	136	2.28	0.057
8600 21W	Soil		0.32	69.00	6.31	79.3	52	17.8	17.3	1013	4.33	3.7	0.6	1.0	1.4	295.2	0.16	0.07	0.04	131	1.98	0.039
8600 22W	Soil		0.28	66.24	6.02	76.1	79	14.7	14.6	790	4.12	2.6	0.5	0.8	1.4	186.9	0.12	0.06	0.04	115	1.77	0.042
8600 23W	Soil		0.32	58.48	6.17	76.6	177	14.4	14.8	735	4.33	3.2	0.5	5.0	1.2	256.8	0.16	0.10	0.13	116	1.88	0.054
9000 22W	Soil		0.36	28.62	4.90	62.9	53	20.9	9.0	376	3.11	3.5	0.4	1.3	1.8	66.2	0.08	0.09	0.13	69	0.69	0.022
9000 23W	Soil		0.55	19.40	4.91	127.5	51	21.0	8.9	929	2.68	3.2	0.3	0.6	1.4	49.9	0.15	0.07	0.10	56	0.61	0.027
9000 24W	Soil		0.35	25.71	5.40	79.9	47	24.8	10.6	517	3.15	4.4	0.4	0.3	1.6	64.3	0.09	0.07	0.09	68	0.68	0.025
9000 25W	Soil		0.46	42.90	5.70	64.2	93	32.8	11.7	490	3.48	15.5	0.5	1.9	1.6	100.9	0.08	0.07	0.10	78	0.86	0.032
9000 26W	Soil		0.87	27.85	4.82	68.4	53	24.3	11.0	491	3.20	28.2	0.4	0.8	1.5	76.4	0.08	0.07	0.07	74	0.74	0.021
9000 27W	Soil		0.39	47.13	4.75	63.9	67	18.3	10.9	427	3.47	33.7	0.3	2.8	1.5	104.1	0.08	0.08	0.08	75	1.08	0.029
9000 28W	Soil		0.41	41.29	4.15	60.7	100	18.3	11.3	353	3.78	25.9	0.3	0.5	1.2	177.7	0.06	0.08	0.06	87	1.03	0.043
9000 29W	Soil		0.33	21.69	4.23	43.8	40	12.3	6.9	236	2.29	7.7	0.3	<0.2	1.1	79.0	0.06	0.09	0.07	58	0.53	0.017
9000 30W	Soil		0.41	22.50	5.02	68.0	48	17.8	9.1	424	2.61	9.2	0.4	<0.2	1.6	68.5	0.08	0.09	0.09	59	0.58	0.035
9000 31W	Soil		0.45	37.67	5.41	63.3	117	20.4	11.2	414	3.52	4.7	0.6	0.7	1.6	80.7	0.08	0.09	0.08	86	0.83	0.026
9000 32W	Soil		0.57	36.46	4.83	66.0	29	19.6	13.2	821	3.32	4.7	0.4	0.5	1.3	107.7	0.12	0.09	0.07	88	0.94	0.022
9000 33W	Soil		0.44	32.39	4.75	57.0	48	19.6	11.6	513	3.14	3.4	0.3	<0.2	1.4	95.5	0.07	0.09	0.09	77	0.91	0.037
9000 34W	Soil		0.28	35.32	5.85	53.5	67	18.4	12.3	498	3.59	2.1	0.4	1.0	1.4	81.7	0.06	0.09	0.08	78	0.85	0.013
9100 22W	Soil		0.37	29.73	5.85	64.3	37	24.5	11.3	522	3.22	2.7	0.4	<0.2	1.7	76.6	0.09	0.10	0.10	70	0.70	0.022
9100 23W	Soil		0.39	35.18	4.94	51.5	30	20.2	10.3	454	3.14	3.9	0.4	0.8	1.5	89.1	0.05	0.09	0.06	78	0.70	0.026
9100 24W	Soil		0.33	34.76	5.37	78.3	39	26.2	17.0	691	3.96	6.3	0.5	0.6	1.2	119.4	0.08	0.08	0.05	101	1.33	0.033
9100 25W	Soil		0.26	51.57	4.12	52.6	114	24.6	14.7	301	3.87	11.3	0.5	1.8	1.1	159.0	0.04	0.05	0.06	90	1.45	0.041

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
8500 24W	Soil		12.6	25.9	0.83	73.3	0.281	<20	2.72	0.015	0.46	<0.1	8.8	0.03	<0.02	<5	0.4	0.05	9.1
8600 12W	Soil		13.3	37.4	0.84	86.2	0.248	<20	3.21	0.036	0.14	<0.1	12.0	<0.02	<0.02	13	0.2	<0.02	10.7
8600 13W	Soil		8.5	30.1	0.69	71.4	0.206	<20	2.53	0.050	0.16	<0.1	9.1	0.02	<0.02	29	0.3	<0.02	8.0
8600 14W	Soil		9.8	33.8	1.30	54.8	0.244	<20	4.57	0.068	0.10	<0.1	12.6	<0.02	<0.02	13	0.3	0.04	15.7
8600 15W	Soil		12.5	25.0	1.14	56.9	0.243	<20	3.65	0.031	0.19	<0.1	12.0	0.03	<0.02	16	0.2	<0.02	12.4
8600 16W	Soil		10.1	25.9	1.31	50.8	0.292	<20	4.07	0.026	0.24	<0.1	12.9	<0.02	<0.02	12	0.5	<0.02	13.7
8600 17W	Soil		9.3	22.9	1.27	60.6	0.310	<20	5.03	0.046	0.17	<0.1	14.8	<0.02	<0.02	12	0.2	0.07	18.0
8600 18W	Soil		11.7	22.7	1.40	83.4	0.372	<20	4.22	0.039	0.19	<0.1	16.1	0.03	<0.02	31	0.4	0.02	15.7
8600 19W	Soil		10.3	22.8	1.21	58.4	0.330	<20	4.47	0.024	0.24	<0.1	14.0	<0.02	<0.02	23	0.4	0.02	15.3
8600 20W	Soil		10.1	23.9	1.25	63.0	0.319	<20	4.47	0.040	0.19	<0.1	14.7	<0.02	<0.02	13	0.3	0.02	15.3
8600 21W	Soil		9.2	26.2	1.28	66.0	0.322	<20	4.13	0.030	0.28	<0.1	13.7	<0.02	<0.02	16	0.4	0.03	14.2
8600 22W	Soil		10.0	24.0	1.25	67.0	0.272	<20	3.86	0.027	0.23	<0.1	13.3	<0.02	<0.02	<5	0.3	0.03	12.4
8600 23W	Soil		9.8	23.3	1.31	70.3	0.311	<20	4.03	0.033	0.20	<0.1	13.1	0.04	<0.02	22	<0.1	<0.02	14.5
9000 22W	Soil		10.0	33.7	0.52	97.3	0.154	<20	2.32	0.019	0.20	<0.1	7.9	0.06	<0.02	17	<0.1	<0.02	7.1
9000 23W	Soil		7.9	31.9	0.51	121.3	0.141	<20	2.00	0.022	0.25	<0.1	6.2	0.08	<0.02	16	<0.1	<0.02	6.3
9000 24W	Soil		11.7	36.8	0.63	104.3	0.165	<20	2.48	0.020	0.22	<0.1	8.0	0.07	<0.02	21	<0.1	<0.02	7.4
9000 25W	Soil		11.9	41.4	0.83	106.1	0.112	<20	2.51	0.024	0.19	<0.1	8.4	0.16	<0.02	31	<0.1	<0.02	7.8
9000 26W	Soil		9.6	37.7	0.72	82.0	0.144	<20	2.38	0.025	0.21	<0.1	7.5	0.28	<0.02	42	<0.1	<0.02	7.3
9000 27W	Soil		9.8	32.4	0.79	80.3	0.150	<20	2.82	0.025	0.17	<0.1	8.0	0.15	<0.02	225	<0.1	<0.02	8.7
9000 28W	Soil		8.8	37.8	0.99	77.5	0.208	<20	3.47	0.020	0.23	<0.1	9.8	0.05	<0.02	61	<0.1	<0.02	10.6
9000 29W	Soil		6.8	26.2	0.45	71.3	0.182	<20	1.54	0.028	0.14	<0.1	7.0	0.05	<0.02	28	<0.1	<0.02	5.0
9000 30W	Soil		9.8	32.0	0.50	107.6	0.160	<20	1.90	0.019	0.23	<0.1	6.7	0.07	<0.02	29	<0.1	<0.02	6.3
9000 31W	Soil		12.5	37.4	0.70	102.4	0.204	<20	2.42	0.028	0.18	<0.1	8.2	0.04	<0.02	30	<0.1	<0.02	7.4
9000 32W	Soil		11.0	37.1	0.81	101.5	0.208	<20	2.52	0.028	0.21	<0.1	8.7	0.06	<0.02	30	0.1	<0.02	7.4
9000 33W	Soil		9.9	34.2	0.77	93.6	0.188	<20	2.59	0.029	0.21	<0.1	8.2	0.04	<0.02	14	<0.1	<0.02	7.3
9000 34W	Soil		10.5	36.6	0.81	93.0	0.229	<20	2.57	0.029	0.22	<0.1	8.1	0.04	<0.02	10	<0.1	<0.02	7.5
9100 22W	Soil		12.3	39.7	0.59	117.5	0.163	<20	2.34	0.026	0.18	<0.1	8.1	0.06	<0.02	27	<0.1	<0.02	7.8
9100 23W	Soil		11.9	35.2	0.57	93.1	0.151	<20	2.17	0.029	0.17	<0.1	8.4	0.04	<0.02	22	<0.1	<0.02	7.1
9100 24W	Soil		10.6	67.8	1.62	131.7	0.277	<20	4.23	0.019	0.20	<0.1	15.3	0.05	<0.02	35	<0.1	<0.02	11.7
9100 25W	Soil		9.9	66.9	1.43	117.7	0.195	<20	4.08	0.037	0.12	<0.1	14.7	0.04	<0.02	69	<0.1	<0.02	12.0

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
9100 26W	Soil		0.34	29.67	5.22	70.3	50	26.2	15.4	566	3.83	15.0	0.4	1.6	1.3	75.8	0.07	0.06	0.06	94	0.85	0.028
9100 27W	Soil		0.46	33.59	5.44	79.3	89	31.2	14.0	651	3.63	15.3	0.4	0.7	1.3	81.0	0.07	0.05	0.07	90	0.79	0.026
9100 28W	Soil		0.68	22.90	4.77	75.1	36	24.9	13.2	514	3.44	10.6	0.4	<0.2	1.3	57.8	0.07	0.06	0.06	83	0.66	0.023
9100 29W	Soil		0.63	25.62	4.80	67.5	41	24.3	14.1	452	3.66	13.9	0.4	1.2	1.3	61.5	0.04	0.07	0.05	89	0.76	0.020
9100 30W	Soil		0.81	25.89	5.54	91.6	85	18.2	11.2	823	2.45	15.9	0.3	0.4	1.0	97.5	0.25	0.08	0.05	64	1.44	0.044
9100 31W	Soil		0.48	41.43	6.04	57.3	51	20.8	11.1	558	3.08	4.5	0.5	1.7	1.8	76.9	0.05	0.09	0.07	70	0.76	0.033
9100 32W	Soil		0.43	32.70	6.43	56.4	38	17.3	11.2	676	2.64	2.3	0.5	<0.2	1.5	85.1	0.10	0.08	0.10	68	0.74	0.026
9100 33W	Soil		0.24	24.58	8.10	64.0	180	7.6	8.8	606	2.44	1.9	0.5	2.9	0.9	175.8	0.10	0.05	0.08	44	1.62	0.083
9100 34W	Soil		0.45	21.30	11.05	79.5	159	6.6	8.7	676	2.71	16.5	0.4	2.1	0.6	86.8	0.20	0.05	0.06	36	1.60	0.089
9200 22W	Soil		0.40	50.62	5.19	62.3	85	21.6	13.8	830	3.39	4.4	0.3	1.9	1.4	134.5	0.09	0.08	0.06	89	1.25	0.038
9200 23W	Soil		0.50	42.75	4.56	61.6	30	19.9	14.5	788	3.47	4.2	0.4	1.3	1.2	259.1	0.08	0.09	0.05	98	0.95	0.022
9200 24W	Soil		0.39	37.35	5.75	77.2	45	20.3	14.5	836	3.49	8.0	0.4	0.9	1.2	157.6	0.10	0.07	0.06	117	1.46	0.035
9200 25W	Soil		0.25	28.09	5.02	62.4	65	20.7	12.7	553	3.46	4.6	0.4	0.4	1.4	101.7	0.06	0.05	0.08	93	1.00	0.031
9200 26W	Soil		0.38	32.93	5.63	58.1	79	17.9	10.8	731	2.93	4.2	0.4	0.9	1.7	106.5	0.07	0.09	0.06	72	0.83	0.028
9200 27W	Soil		0.51	33.93	6.40	66.1	37	17.9	10.4	883	2.91	6.0	0.4	1.7	1.6	95.5	0.07	0.11	0.06	71	0.86	0.047
9200 28W	Soil		0.64	24.56	5.01	43.4	34	17.7	9.5	490	2.78	17.6	0.4	0.3	1.5	80.0	0.02	0.08	0.06	67	0.56	0.023
9200 29W	Soil		0.47	18.92	5.99	63.3	45	14.3	9.5	870	2.72	8.0	0.4	0.6	1.4	97.1	0.07	0.07	0.07	55	0.89	0.026
9200 30W	Soil		0.44	23.47	5.92	51.7	17	17.6	9.4	730	2.39	2.9	0.3	0.3	1.6	98.5	0.09	0.05	0.06	48	0.64	0.032
9200 31W	Soil		0.69	22.49	5.94	68.6	25	18.9	10.2	967	2.73	5.4	0.4	1.0	1.4	101.3	0.10	0.11	0.08	57	0.75	0.027
9200 32W	Soil		0.36	20.22	5.53	55.0	27	15.1	9.5	505	3.05	5.9	0.4	1.0	1.4	100.3	0.08	0.10	0.08	66	0.70	0.034
9200 33W	Soil		0.38	29.63	5.30	72.8	42	15.8	10.8	686	3.14	8.0	0.4	0.8	1.1	143.3	0.12	0.10	0.06	69	1.05	0.034
9200 34W	Soil		0.40	39.74	4.53	63.1	31	18.8	11.5	562	3.08	2.4	0.4	0.8	1.4	72.1	0.10	0.12	0.06	80	0.64	0.018

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Project: IRON MASK
Report Date: November 01, 2012

CERTIFICATE OF ANALYSIS VAN12004767.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
9100 26W	Soil		10.3	58.1	1.18	107.5	0.217	<20	3.15	0.017	0.21	<0.1	12.5	0.28	<0.02	43	<0.1	<0.02	9.1
9100 27W	Soil		12.2	48.7	1.00	92.9	0.187	<20	2.67	0.024	0.21	<0.1	10.0	0.58	<0.02	57	<0.1	<0.02	8.7
9100 28W	Soil		9.8	46.8	0.89	80.8	0.204	<20	2.51	0.016	0.24	<0.1	9.6	0.22	<0.02	36	<0.1	<0.02	7.7
9100 29W	Soil		10.4	54.3	0.93	78.1	0.219	<20	2.58	0.016	0.24	<0.1	10.4	0.11	<0.02	55	<0.1	<0.02	7.9
9100 30W	Soil		8.4	32.2	0.62	122.2	0.141	<20	1.72	0.013	0.24	<0.1	6.5	0.06	<0.02	50	<0.1	<0.02	5.0
9100 31W	Soil		11.1	33.6	0.55	88.4	0.160	<20	2.18	0.036	0.27	<0.1	8.2	0.05	<0.02	20	<0.1	<0.02	7.2
9100 32W	Soil		10.9	22.8	0.60	94.2	0.204	<20	1.81	0.034	0.26	<0.1	5.4	0.02	<0.02	7	<0.1	<0.02	6.0
9100 33W	Soil		11.5	9.8	0.72	258.4	0.145	<20	2.76	0.016	0.28	<0.1	5.4	0.06	<0.02	14	<0.1	<0.02	7.8
9100 34W	Soil		10.2	7.1	0.72	150.4	0.137	<20	2.66	0.005	0.37	<0.1	4.2	0.06	<0.02	17	<0.1	0.03	7.8
9200 22W	Soil		10.0	32.4	0.83	104.5	0.161	<20	2.77	0.030	0.27	<0.1	8.5	0.04	<0.02	27	<0.1	<0.02	8.5
9200 23W	Soil		8.4	32.5	0.93	104.9	0.183	<20	2.44	0.043	0.19	<0.1	8.3	0.04	<0.02	10	<0.1	<0.02	8.0
9200 24W	Soil		10.7	39.4	1.08	104.0	0.252	<20	3.68	0.024	0.27	<0.1	11.4	0.05	<0.02	24	<0.1	<0.02	10.7
9200 25W	Soil		10.4	42.9	0.89	103.3	0.217	<20	3.07	0.025	0.13	<0.1	11.0	0.05	<0.02	7	0.1	<0.02	9.2
9200 26W	Soil		11.5	29.3	0.56	96.2	0.171	<20	2.14	0.034	0.28	<0.1	7.2	0.05	<0.02	15	<0.1	<0.02	7.0
9200 27W	Soil		13.7	27.6	0.57	93.6	0.158	<20	1.83	0.040	0.25	<0.1	6.4	0.05	<0.02	16	<0.1	<0.02	6.5
9200 28W	Soil		10.7	29.2	0.52	88.5	0.167	<20	1.78	0.036	0.30	<0.1	6.3	0.35	<0.02	243	<0.1	<0.02	6.2
9200 29W	Soil		12.5	21.3	0.48	97.9	0.164	<20	1.83	0.019	0.29	<0.1	5.8	0.07	<0.02	15	<0.1	<0.02	6.4
9200 30W	Soil		9.7	23.7	0.49	120.1	0.116	<20	1.71	0.030	0.39	<0.1	5.2	0.07	<0.02	22	<0.1	<0.02	6.1
9200 31W	Soil		10.5	29.4	0.51	115.0	0.171	<20	1.89	0.035	0.27	<0.1	6.7	0.10	<0.02	26	0.3	0.03	6.3
9200 32W	Soil		9.9	27.2	0.53	99.5	0.225	<20	2.23	0.029	0.26	<0.1	7.9	0.06	<0.02	18	0.2	0.02	6.8
9200 33W	Soil		10.4	27.9	0.76	99.4	0.208	<20	2.31	0.027	0.38	<0.1	7.8	0.06	<0.02	28	0.3	<0.02	7.1
9200 34W	Soil		10.2	33.8	0.57	92.7	0.197	<20	1.76	0.030	0.23	<0.1	6.7	0.05	<0.02	14	<0.1	<0.02	5.5

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Project: IRON MASK
Report Date: November 01, 2012

QUALITY CONTROL REPORT VAN12004767.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
8200 15W	Soil	0.38	61.35	4.81	57.7	197	24.0	16.2	588	4.06	3.3	0.6	1.3	1.4	203.4	0.08	0.09	0.06	104	2.04	0.023
REP 8200 15W	QC	0.31	62.27	5.05	56.0	201	24.4	16.6	565	4.03	3.5	0.6	2.2	1.6	207.5	0.08	0.11	0.06	103	2.04	0.023
8500 15W	Soil	0.16	69.18	6.61	70.4	144	24.3	17.0	615	4.75	2.6	0.9	1.3	1.8	320.1	0.17	0.06	0.05	115	1.82	0.039
REP 8500 15W	QC	0.18	65.99	6.30	69.6	159	23.9	16.1	601	4.66	2.4	0.8	1.0	1.8	310.1	0.12	0.07	0.05	112	1.76	0.039
9100 23W	Soil	0.39	35.18	4.94	51.5	30	20.2	10.3	454	3.14	3.9	0.4	0.8	1.5	89.1	0.05	0.09	0.06	78	0.70	0.026
REP 9100 23W	QC	0.41	34.89	4.88	51.8	26	20.7	10.1	447	3.11	3.9	0.4	0.6	1.4	84.8	0.06	0.09	0.09	76	0.67	0.025
9200 34W	Soil	0.40	39.74	4.53	63.1	31	18.8	11.5	562	3.08	2.4	0.4	0.8	1.4	72.1	0.10	0.12	0.06	80	0.64	0.018
REP 9200 34W	QC	0.47	40.60	4.53	64.9	31	19.7	12.0	583	3.16	2.5	0.4	0.6	1.5	76.1	0.09	0.11	0.06	83	0.66	0.019
Reference Materials																					
STD DS9	Standard	12.76	103.3	126.6	316.0	2070	39.0	7.5	608	2.36	23.7	2.9	158.7	6.4	72.4	2.33	4.41	6.60	40	0.73	0.084
STD DS9	Standard	12.93	109.7	127.7	337.8	2114	39.7	7.5	612	2.41	27.3	2.6	122.0	5.5	70.1	2.55	4.33	6.44	40	0.74	0.082
STD DS9	Standard	13.69	117.5	138.9	320.2	1707	43.2	8.3	600	2.38	26.4	3.0	119.4	6.7	58.1	2.32	3.91	5.62	41	0.74	0.083
STD DS9	Standard	13.84	108.2	133.0	313.0	1898	41.7	8.0	607	2.43	26.6	2.7	124.6	6.4	69.7	2.41	4.28	6.60	40	0.73	0.091
STD OREAS45EA	Standard	1.45	706.0	14.98	30.1	286	399.3	52.8	434	25.30	10.4	1.8	63.2	10.1	2.7	<0.01	0.15	0.26	308	0.04	0.029
STD OREAS45EA	Standard	1.31	722.0	14.53	30.2	269	399.3	51.4	430	24.04	9.5	1.7	61.0	9.9	2.1	0.02	0.10	0.23	308	0.04	0.029
STD OREAS45EA	Standard	1.32	717.4	13.75	30.4	252	397.7	50.2	393	22.88	9.2	1.7	56.6	10.1	2.2	0.03	0.12	0.17	319	0.05	0.028
STD OREAS45EA	Standard	1.65	723.2	15.88	30.8	291	405.6	57.3	437	26.54	10.5	1.9	63.0	11.2	3.9	0.03	0.16	0.26	298	0.04	0.032
STD OREAS45EA Expected		1.78	709	14.3	30.6	311	357	52	400	22.65	11.4	1.73	53	10.7	4.05	0.03	0.64	0.26	295	0.032	0.029
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.10	<0.01	<0.1	<2	<0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	0.4	<2	0.2	<0.1	5	0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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Project: IRON MASK
Report Date: November 01, 2012

QUALITY CONTROL REPORT VAN12004767.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																			
8200 15W	Soil		9.5	30.6	1.19	73.8	0.235	<20	4.41	0.051	0.24	<0.1	12.3	0.03	<0.02	15	<0.1	<0.02	12.6
REP 8200 15W	QC		10.1	28.7	1.18	76.9	0.240	<20	4.38	0.050	0.23	<0.1	12.6	0.04	<0.02	19	<0.1	<0.02	12.7
8500 15W	Soil		12.5	35.7	1.46	91.7	0.311	<20	4.54	0.024	0.25	<0.1	15.0	<0.02	<0.02	15	<0.1	0.03	16.0
REP 8500 15W	QC		12.1	34.0	1.43	88.6	0.309	<20	4.50	0.023	0.25	<0.1	14.7	<0.02	<0.02	10	0.3	0.03	16.0
9100 23W	Soil		11.9	35.2	0.57	93.1	0.151	<20	2.17	0.029	0.17	<0.1	8.4	0.04	<0.02	22	<0.1	<0.02	7.1
REP 9100 23W	QC		11.7	34.1	0.55	95.3	0.151	<20	2.12	0.029	0.16	<0.1	8.3	0.04	<0.02	16	<0.1	<0.02	7.1
9200 34W	Soil		10.2	33.8	0.57	92.7	0.197	<20	1.76	0.030	0.23	<0.1	6.7	0.05	<0.02	14	<0.1	<0.02	5.5
REP 9200 34W	QC		10.7	34.8	0.58	94.5	0.199	<20	1.81	0.032	0.24	<0.1	6.8	0.05	<0.02	14	<0.1	<0.02	5.7
Reference Materials																			
STD DS9	Standard		12.7	114.9	0.61	329.6	0.108	<20	0.95	0.087	0.40	3.3	2.5	5.90	0.16	207	5.9	5.64	5.0
STD DS9	Standard		12.5	120.1	0.64	317.4	0.106	<20	0.98	0.080	0.41	2.8	2.6	5.60	0.17	202	6.1	5.73	4.8
STD DS9	Standard		12.8	116.1	0.64	320.3	0.100	<20	0.97	0.082	0.40	2.9	2.4	5.79	0.17	199	5.6	5.60	4.5
STD DS9	Standard		13.3	122.7	0.64	331.9	0.111	<20	0.97	0.086	0.41	2.7	2.6	5.77	0.17	212	5.6	5.10	4.8
STD OREAS45EA	Standard		6.4	863.3	0.10	154.2	0.091	<20	3.33	0.022	0.05	<0.1	79.3	0.07	0.04	<5	0.9	0.06	13.8
STD OREAS45EA	Standard		6.2	913.8	0.10	145.9	0.089	<20	3.25	0.019	0.05	<0.1	78.8	0.06	0.03	12	0.5	0.06	13.7
STD OREAS45EA	Standard		6.1	970.5	0.08	132.5	0.075	<20	3.24	0.016	0.05	<0.1	73.3	<0.02	0.03	7	1.2	0.11	11.2
STD OREAS45EA	Standard		7.3	966.6	0.11	158.6	0.097	<20	3.39	0.025	0.06	<0.1	82.8	0.06	0.04	7	1.1	0.09	13.5
STD OREAS45EA Expected			8.19	849	0.095	148	0.106		3.32	0.027	0.053		78	0.072	0.044	340	2.09	0.11	11.7
STD DS9 Expected			13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank		<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank		<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank		<0.5	<0.5	<0.01	<0.5	0.001	<20	0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank		<0.5	1.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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Submitted By: Laurence Sookochoff
Receiving Lab: Canada-Vancouver
Received: October 09, 2012
Report Date: October 24, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN12004813.1

CLIENT JOB INFORMATION

Project: PC
Shipment ID:
P.O. Number
Number of Samples: 20

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	20	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1F01	20	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

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

ADDITIONAL COMMENTS

Invoice To: Sookochoff Consultants Inc.
120 125A - 1030 Denman Street
Vancouver BC V6G 2M6
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: PC
Report Date: October 24, 2012

CERTIFICATE OF ANALYSIS VAN12004813.1

Method		WGHT	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
G1	Prep Blank	<0.01	0.09	1.74	2.44	49.7	14	3.8	4.2	597	1.99	<0.1	1.4	1.3	4.5	57.7	0.04	0.03	0.06	36	0.42
G1	Prep Blank	<0.01	0.11	1.86	2.67	49.1	12	3.9	4.2	598	1.98	<0.1	1.6	0.6	5.3	59.5	0.02	<0.02	0.06	36	0.46
006018	Rock	1.51	0.76	38.38	5.02	73.3	48	12.2	14.6	944	3.88	6.0	0.8	1.5	1.5	34.3	0.12	0.13	0.09	126	1.11
006019	Rock	1.56	0.59	5.24	6.34	29.7	21	1.7	1.7	378	1.06	3.1	0.6	0.5	4.9	10.2	0.02	0.06	0.05	7	0.10
006020	Rock	1.87	1.52	156.6	72.15	179.5	295	21.9	17.7	713	3.51	5.7	2.4	0.4	5.1	46.4	0.67	0.19	0.10	115	1.01
006021	Rock	1.25	4.13	27.34	5.04	54.1	106	8.9	10.1	675	2.87	4.2	0.4	0.5	0.9	70.3	0.21	0.08	0.09	57	0.92
006022	Rock	1.14	0.49	104.8	1.68	36.0	58	13.5	11.0	317	2.55	1.2	1.1	1.4	3.4	59.8	0.04	0.06	0.03	88	0.76
006023	Rock	0.48	0.48	33.47	2.39	90.2	14	15.1	14.6	732	3.32	0.3	0.3	0.2	0.6	39.1	0.02	0.04	<0.02	74	0.91
006024	Rock	0.65	0.04	2.25	0.88	3.0	8	<0.1	1.5	1082	0.31	<0.1	<0.1	<0.2	<0.1	136.7	0.07	0.03	<0.02	13	35.07
006025	Rock	0.99	0.60	53.26	1.62	37.1	38	11.5	11.6	322	2.62	1.7	1.7	0.5	4.8	15.2	0.03	0.06	<0.02	93	1.04
006026	Rock	0.98	6.36	98.03	3.97	51.6	250	21.9	14.6	347	2.56	1.3	0.2	0.7	0.3	44.9	0.03	0.09	0.03	45	0.92
006027	Rock	1.54	0.85	108.6	0.90	49.2	52	17.4	14.9	279	3.42	0.5	0.7	1.0	1.5	31.7	0.03	0.03	<0.02	149	0.55
006028	Rock	0.39	0.51	10.11	3.17	42.4	66	4.7	8.2	515	2.88	1.0	0.6	0.7	1.0	31.8	0.03	0.10	0.02	69	0.61
006029	Rock	0.96	0.32	17.29	3.94	63.3	29	9.3	10.9	545	2.31	0.7	0.3	1.3	0.5	69.9	0.02	0.09	<0.02	54	1.45
006030	Rock	0.57	0.18	23.33	2.64	29.2	14	20.3	5.0	492	1.49	1.2	0.3	0.9	0.5	54.0	0.05	0.04	<0.02	40	0.45
006031	Rock	1.79	0.18	11.58	3.12	65.5	21	11.6	11.8	594	2.83	0.5	0.4	0.2	0.8	55.6	0.03	0.08	<0.02	57	1.12
006032	Rock	1.03	1.03	35.07	2.87	63.6	96	16.5	11.7	474	2.43	0.9	0.2	<0.2	0.4	89.2	0.02	0.08	0.03	37	1.22
006033	Rock	1.71	0.31	20.88	2.47	69.3	19	10.9	10.9	497	2.50	0.7	0.3	<0.2	0.5	74.9	0.02	0.08	<0.02	43	1.20
006034	Rock	0.97	0.61	75.44	2.00	77.0	132	17.5	16.7	685	3.88	0.2	0.3	<0.2	0.8	82.9	0.03	0.04	0.03	125	1.14
006035	Rock	1.42	1.40	63.10	2.72	29.4	24	11.2	10.7	226	2.51	1.3	0.9	0.4	2.7	139.7	0.04	0.04	<0.02	96	1.78
006036	Rock	1.11	0.62	1402	2.57	50.9	474	18.5	16.7	362	3.23	1.6	1.2	8.7	5.6	32.2	0.16	0.11	<0.02	96	0.70
006037	Rock	1.57	1.18	66.90	2.21	46.6	48	11.1	14.2	344	3.41	2.1	1.6	1.0	3.2	24.0	0.02	0.14	<0.02	147	1.22

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Project: PC
Report Date: October 24, 2012

CERTIFICATE OF ANALYSIS VAN12004813.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
G1	Prep Blank	0.087	8.0	8.2	0.59	230.2	0.120	<20	0.97	0.077	0.52	<0.1	2.4	0.31	<0.02	<5	<0.1	<0.02	5.0
G1	Prep Blank	0.084	9.4	8.7	0.58	245.3	0.128	<20	0.98	0.082	0.52	<0.1	2.4	0.33	<0.02	<5	<0.1	<0.02	5.4
006018	Rock	0.097	15.1	22.5	1.30	24.9	0.390	<20	1.97	0.128	0.07	<0.1	13.2	0.02	0.03	<5	<0.1	0.05	10.9
006019	Rock	0.019	17.4	2.6	0.17	45.9	0.009	<20	0.42	0.064	0.12	<0.1	0.9	0.02	<0.02	<5	<0.1	<0.02	3.5
006020	Rock	0.116	5.8	19.5	1.40	113.6	0.174	<20	1.83	0.076	0.07	0.1	4.2	0.03	0.75	<5	0.4	1.26	6.9
006021	Rock	0.092	11.6	10.7	0.93	222.6	0.071	<20	1.46	0.085	0.13	<0.1	6.1	<0.02	0.03	<5	<0.1	0.02	8.3
006022	Rock	0.069	6.7	13.9	0.80	112.3	0.170	<20	1.07	0.068	0.45	<0.1	2.2	0.06	<0.02	9	<0.1	<0.02	4.7
006023	Rock	0.107	9.3	25.8	1.50	29.9	0.117	<20	1.72	0.035	0.18	<0.1	4.0	<0.02	<0.02	<5	<0.1	<0.02	7.1
006024	Rock	0.008	1.5	1.6	0.09	1.9	0.027	<20	0.43	0.008	<0.01	<0.1	1.4	<0.02	<0.02	<5	0.4	<0.02	2.0
006025	Rock	0.068	5.4	14.8	0.81	61.0	0.192	<20	1.24	0.053	0.19	<0.1	2.3	0.03	<0.02	7	<0.1	<0.02	4.7
006026	Rock	0.073	2.8	38.8	0.88	16.2	0.171	<20	1.59	0.026	0.12	0.6	3.1	<0.02	<0.02	<5	0.1	0.20	6.4
006027	Rock	0.105	6.6	21.2	1.03	189.9	0.318	<20	1.36	0.145	0.92	<0.1	4.1	0.07	<0.02	<5	<0.1	<0.02	4.8
006028	Rock	0.074	8.6	5.8	0.60	72.8	0.140	<20	1.12	0.074	0.08	0.1	4.1	0.02	<0.02	<5	<0.1	<0.02	5.4
006029	Rock	0.112	7.1	16.2	1.15	16.3	0.160	<20	1.67	0.044	0.14	0.1	4.4	<0.02	<0.02	<5	<0.1	<0.02	7.3
006030	Rock	0.052	3.6	32.5	0.17	101.7	0.080	<20	0.76	0.166	0.12	<0.1	1.6	<0.02	<0.02	<5	<0.1	<0.02	2.4
006031	Rock	0.101	9.6	18.8	1.20	18.6	0.115	<20	1.63	0.061	0.06	<0.1	6.1	<0.02	<0.02	<5	<0.1	<0.02	7.8
006032	Rock	0.096	5.0	23.4	1.16	16.5	0.145	<20	1.97	0.107	0.09	0.2	3.0	<0.02	<0.02	<5	0.1	0.05	7.9
006033	Rock	0.106	6.7	16.5	1.16	14.8	0.140	<20	1.94	0.058	0.09	<0.1	4.2	<0.02	<0.02	<5	<0.1	<0.02	8.4
006034	Rock	0.126	10.1	20.7	1.47	29.9	0.179	<20	2.04	0.154	0.12	0.1	3.2	<0.02	<0.02	<5	<0.1	<0.02	7.6
006035	Rock	0.089	5.0	23.8	0.75	56.0	0.114	<20	2.49	0.275	0.14	<0.1	3.6	<0.02	<0.02	<5	<0.1	0.04	6.6
006036	Rock	0.087	6.1	16.2	1.25	25.1	0.151	<20	1.62	0.049	0.10	0.2	3.6	<0.02	0.07	<5	0.2	0.02	6.3
006037	Rock	0.069	5.8	16.1	0.96	128.7	0.290	<20	1.65	0.084	0.28	0.1	3.1	0.03	<0.02	<5	<0.1	<0.02	6.1

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Vancouver BC V6G 2M6 CANADA

Project: PC
Report Date: October 24, 2012

QUALITY CONTROL REPORT VAN12004813.1

	Method	WGHT	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
006033	Rock	1.71	0.31	20.88	2.47	69.3	19	10.9	10.9	497	2.50	0.7	0.3	<0.2	0.5	74.9	0.02	0.08	<0.02	43	1.20
REP 006033	QC		0.35	21.02	2.73	69.4	22	11.4	11.3	498	2.56	0.7	0.2	<0.2	0.5	76.5	0.02	0.08	<0.02	44	1.22
Reference Materials																					
STD DS9	Standard		12.32	111.9	131.7	315.3	1813	40.5	7.7	576	2.35	24.7	3.1	110.0	7.0	71.5	2.33	4.96	6.34	38	0.71
STD OREAS45EA	Standard		1.37	693.2	13.70	29.3	265	380.9	53.2	409	23.96	9.3	1.7	52.0	10.3	3.1	0.03	0.18	0.23	294	0.04
STD OREAS45EA Expected			1.78	709	14.3	30.6	311	357	52	400	22.65	11.4	1.73	53	10.7	4.05	0.03	0.64	0.26	295	0.032
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.09	1.74	2.44	49.7	14	3.8	4.2	597	1.99	<0.1	1.4	1.3	4.5	57.7	0.04	0.03	0.06	36	0.42
G1	Prep Blank	<0.01	0.11	1.86	2.67	49.1	12	3.9	4.2	598	1.98	<0.1	1.6	0.6	5.3	59.5	0.02	<0.02	0.06	36	0.46

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Vancouver BC V6G 2M6 CANADA

Project: PC
Report Date: October 24, 2012

QUALITY CONTROL REPORT VAN12004813.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																			
006033	Rock	0.106	6.7	16.5	1.16	14.8	0.140	<20	1.94	0.058	0.09	<0.1	4.2	<0.02	<0.02	<5	<0.1	<0.02	8.4
REP 006033	QC	0.112	6.8	16.9	1.19	15.0	0.138	<20	2.00	0.057	0.09	<0.1	4.3	<0.02	<0.02	<5	<0.1	<0.02	7.9
Reference Materials																			
STD DS9	Standard	0.090	12.0	118.9	0.61	318.6	0.105	<20	0.93	0.083	0.40	3.0	2.4	5.36	0.17	202	5.3	5.00	4.7
STD OREAS45EA	Standard	0.030	6.0	860.7	0.10	136.7	0.087	<20	3.09	0.016	0.05	<0.1	71.2	0.05	0.04	11	0.7	0.05	12.4
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		78	0.072	0.044	340	2.09	0.11	11.7
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
Prep Wash																			
G1	Prep Blank	0.087	8.0	8.2	0.59	230.2	0.120	<20	0.97	0.077	0.52	<0.1	2.4	0.31	<0.02	<5	<0.1	<0.02	5.0
G1	Prep Blank	0.084	9.4	8.7	0.58	245.3	0.128	<20	0.98	0.082	0.52	<0.1	2.4	0.33	<0.02	<5	<0.1	<0.02	5.4

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Submitted By: Laurence Sookochoff
Receiving Lab: Canada-Vancouver
Received: October 09, 2012
Report Date: October 29, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN12004814.1

CLIENT JOB INFORMATION

Project: PC
Shipment ID:
P.O. Number
Number of Samples: 21

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	21	Dry at 60C			VAN
SS80	21	Dry at 60C sieve 100g to -80 mesh			VAN
1F01	21	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Sookochoff Consultants Inc.
120 125A - 1030 Denman Street
Vancouver BC V6G 2M6
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: PC
Report Date: October 29, 2012

CERTIFICATE OF ANALYSIS VAN12004814.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
8300 BL00	Soil	0.56	20.08	6.39	60.8	17	11.2	8.0	616	2.41	2.5	0.3	<0.2	1.1	75.1	0.12	0.09	0.07	74	0.58	0.034
8300 1W	Soil	0.52	23.29	4.02	54.0	12	15.3	8.3	499	2.45	1.5	0.3	<0.2	1.2	47.5	0.09	0.08	0.06	75	0.43	0.028
8300 2W	Soil	0.38	38.77	5.05	56.9	51	15.1	9.5	491	3.27	2.1	0.4	0.8	1.4	78.2	0.07	0.07	0.06	80	0.69	0.032
8300 3W	Soil	0.43	39.04	5.60	70.9	42	15.3	11.3	652	3.48	2.5	0.3	2.4	1.4	65.7	0.08	0.07	0.07	76	0.68	0.040
8300 4W	Soil	0.53	57.27	4.29	43.6	218	18.4	16.6	841	3.33	16.3	0.2	15.8	0.6	172.1	0.09	0.17	0.07	67	5.48	0.081
8300 5W	Soil	0.48	57.95	4.18	49.0	161	17.1	16.8	963	3.31	22.1	0.2	11.9	0.5	210.0	0.11	0.19	0.06	71	5.82	0.082
8300 6W	Soil	0.42	62.83	6.14	54.6	145	20.8	18.6	1116	3.52	10.1	0.2	15.5	0.6	171.2	0.13	0.12	0.09	73	3.91	0.083
8300 7W	Soil	0.25	61.53	6.16	69.3	185	20.3	16.1	773	3.76	4.7	0.3	3.6	1.1	131.4	0.11	0.11	0.07	88	2.06	0.062
8300 8W	Soil	0.35	58.82	3.75	53.5	81	17.9	12.6	477	3.96	5.4	0.3	4.6	1.0	207.3	0.06	0.16	0.05	86	1.16	0.040
8300 9W	Soil	0.43	52.92	4.05	52.6	138	18.5	13.1	791	3.73	9.2	0.4	3.3	1.1	339.0	0.10	0.14	0.05	82	1.27	0.032
8300 10W	Soil	0.25	44.39	5.22	66.5	30	10.8	9.6	426	2.99	5.4	0.4	3.2	1.2	90.0	0.07	0.13	0.05	70	0.85	0.026
8300 11W	Soil	0.13	86.93	5.14	53.2	398	20.6	16.4	543	4.10	2.3	0.4	3.6	1.4	123.1	0.06	0.19	0.07	87	1.83	0.045
8300 12W	Soil	0.20	63.76	5.02	55.2	179	21.5	17.2	679	4.06	4.1	0.4	4.4	1.3	106.0	0.09	0.09	0.06	91	1.55	0.035
8300 13W	Soil	0.39	42.84	4.41	50.4	100	20.6	13.6	483	3.67	2.3	0.5	0.8	1.3	95.6	0.05	0.13	0.05	89	1.05	0.028
8300 14W	Soil	0.27	53.83	4.66	63.8	34	23.1	17.7	831	3.96	2.3	0.5	2.6	1.2	130.1	0.09	0.17	0.07	114	1.49	0.028
8300 15W	Soil	0.36	62.95	4.15	52.7	256	21.7	13.3	440	3.53	3.3	0.4	2.5	1.3	144.0	0.06	0.15	0.06	87	1.41	0.027
8300 16W	Soil	0.42	74.60	4.69	74.3	159	24.3	17.2	717	4.09	4.5	0.3	3.7	0.9	238.8	0.07	0.16	0.04	93	1.51	0.050
8300 17W	Soil	0.27	30.98	6.33	67.8	60	15.6	11.7	578	3.51	2.5	0.6	5.3	1.1	145.1	0.09	0.11	0.06	85	0.88	0.020
8300 18W	Soil	0.38	63.61	4.11	72.6	140	39.2	21.6	699	4.48	4.5	0.3	0.9	1.3	257.9	0.05	0.08	<0.02	116	2.26	0.033
8300 19W	Soil	0.38	58.47	3.77	50.5	255	27.1	15.3	654	3.54	3.8	0.4	7.1	1.2	335.2	0.03	0.07	0.03	89	1.81	0.023
8300 20W	Soil	0.37	58.58	3.73	50.6	130	34.5	16.7	550	3.53	3.7	0.5	0.5	1.2	213.8	0.04	0.08	0.04	83	1.78	0.023

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Vancouver BC V6G 2M6 CANADA

Project: PC
Report Date: October 29, 2012

CERTIFICATE OF ANALYSIS VAN12004814.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
8300 BL00	Soil	10.5	22.1	0.37	90.8	0.158	<20	1.15	0.019	0.24	<0.1	5.3	0.04	<0.02	40	<0.1	<0.02	4.1
8300 1W	Soil	9.0	27.2	0.34	67.1	0.132	<20	1.10	0.019	0.19	<0.1	4.5	0.04	<0.02	20	<0.1	<0.02	4.3
8300 2W	Soil	12.3	28.5	0.48	90.5	0.138	<20	2.00	0.020	0.23	<0.1	7.7	0.04	<0.02	17	<0.1	<0.02	6.7
8300 3W	Soil	13.5	24.7	0.59	103.8	0.098	<20	2.10	0.013	0.35	<0.1	8.6	0.05	<0.02	13	<0.1	<0.02	7.2
8300 4W	Soil	11.0	34.4	0.96	59.6	0.047	<20	3.33	0.012	0.19	<0.1	7.5	0.03	<0.02	110	<0.1	<0.02	7.6
8300 5W	Soil	9.9	31.2	0.92	87.4	0.032	<20	3.24	0.013	0.21	<0.1	7.3	0.06	<0.02	73	<0.1	<0.02	7.5
8300 6W	Soil	10.4	36.8	1.03	72.2	0.049	<20	3.30	0.009	0.23	<0.1	7.6	0.04	<0.02	52	<0.1	<0.02	8.0
8300 7W	Soil	11.8	33.4	1.33	62.2	0.166	<20	3.04	0.010	0.25	<0.1	9.9	0.03	<0.02	17	<0.1	<0.02	9.4
8300 8W	Soil	7.8	44.6	1.02	60.6	0.150	<20	3.08	0.021	0.36	<0.1	13.3	0.04	<0.02	13	<0.1	<0.02	9.6
8300 9W	Soil	8.6	36.6	0.87	98.1	0.147	<20	3.40	0.034	0.28	<0.1	11.7	0.05	<0.02	22	<0.1	<0.02	9.5
8300 10W	Soil	11.2	18.2	0.83	47.5	0.163	<20	2.29	0.014	0.30	<0.1	7.0	0.03	<0.02	16	<0.1	<0.02	6.8
8300 11W	Soil	14.7	28.5	1.17	98.3	0.179	<20	3.15	0.025	0.19	<0.1	10.3	0.05	<0.02	15	<0.1	<0.02	9.3
8300 12W	Soil	10.0	38.3	1.29	84.3	0.187	<20	3.90	0.021	0.24	<0.1	12.4	0.04	<0.02	25	<0.1	<0.02	12.3
8300 13W	Soil	11.5	38.8	1.01	83.7	0.196	<20	2.80	0.032	0.13	<0.1	11.5	0.04	<0.02	28	<0.1	<0.02	9.5
8300 14W	Soil	10.8	44.5	1.35	67.9	0.274	<20	3.49	0.027	0.27	<0.1	11.6	0.02	<0.02	12	<0.1	<0.02	10.5
8300 15W	Soil	8.9	33.7	1.00	66.6	0.206	<20	3.42	0.035	0.16	<0.1	10.4	0.03	<0.02	26	<0.1	<0.02	10.7
8300 16W	Soil	6.5	35.7	1.44	60.5	0.173	<20	3.44	0.035	0.24	<0.1	11.5	0.04	<0.02	31	<0.1	<0.02	12.8
8300 17W	Soil	12.2	30.4	0.98	67.9	0.298	<20	2.29	0.011	0.29	<0.1	8.3	0.03	<0.02	9	<0.1	<0.02	9.5
8300 18W	Soil	9.2	42.0	2.05	61.5	0.253	<20	3.77	0.031	0.19	<0.1	13.8	0.02	<0.02	18	<0.1	<0.02	13.7
8300 19W	Soil	8.9	31.4	1.34	115.8	0.171	<20	3.53	0.065	0.09	<0.1	10.5	0.05	<0.02	40	<0.1	<0.02	10.6
8300 20W	Soil	9.5	34.0	1.42	80.8	0.199	<20	3.77	0.029	0.18	<0.1	13.7	0.04	<0.02	15	<0.1	<0.02	11.4

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Project: PC
Report Date: October 29, 2012

QUALITY CONTROL REPORT VAN12004814.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Reference Materials																						
STD DS9	Standard		13.48	111.7	142.3	350.0	1905	41.8	7.6	616	2.39	26.1	2.7	120.6	6.2	74.3	2.52	4.97	6.69	39	0.73	0.087
STD OREAS45EA	Standard		1.34	678.8	14.42	28.8	279	368.0	50.0	402	22.96	8.6	1.8	57.8	9.9	0.8	<0.01	0.13	0.24	295	0.03	0.028
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OREAS45EA Expected			1.78	709	14.3	30.6	311	357	52	400	22.65	11.4	1.73	53	10.7	4.05	0.03	0.64	0.26	295	0.032	0.029
BLK	Blank		<0.01	0.06	<0.01	<0.1	<2	0.1	<0.1	4	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	0.05	<2	<0.01	<0.001

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	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Reference Materials																		
STD DS9	Standard	13.0	119.9	0.63	341.5	0.110	<20	0.96	0.081	0.40	3.1	2.7	6.25	0.16	242	5.9	5.46	5.2
STD OREAS45EA	Standard	6.3	881.4	0.10	152.3	0.086	<20	3.02	0.016	0.05	<0.1	75.0	0.06	0.03	<5	0.5	0.07	13.0
STD DS9 Expected		13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
STD OREAS45EA Expected		8.19	849	0.095	148	0.106		3.32	0.027	0.053		78	0.072	0.044	340	2.09	0.11	11.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

Appendix III

SJ Geophysics Ltd. Report on the PC Project IP Survey (Anderson, 2012)

LOGISTICS REPORT PREPARED

FOR

SOOKOCHOFF CONSULTANTS INC.

THREE DIMENSIONAL INDUCED POLARIZATION

ON THE

PC PROJECT

MERRITT, BRITISH COLUMBIA, CANADA
LATITUDE: N50° 22' LONGITUDE: W121° 10'

BCGS SHEET: 092I035

NTS SHEET: 092I06

MINING DIVISION: Kamloops

SURVEY CONDUCTED BY
SJ GEOPHYSICS LTD.
OCTOBER 2012

REPORT PREPARED BY
NATHAN ANDERSON
OCTOBER 2012

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1. SURVEY SUMMARY

SJ Geophysics Ltd. was contracted by Sookochoff Consultants Inc. to acquire geophysical data on their PC project. The following table provides a brief summary of the project.

Client	Sookochoff Consultants Inc.
Project Name	PC
Location (approx. centre of grid)	Latitude: 50º 22' N Longitude: 121º 10' W 5582100N 629500E; UTM NAD83 Zone 10N
Survey Type	3D Induced Polarization (3DIP)
Total Line Kilometres	3DIP: 5 km
Production Dates	October 18 – October 19, 2012
Objective	SJ Geophysics was contracted to carry out a 3DIP survey with the purpose of providing 3D inverted models of resistivity and chargeability properties.

Table 1: Survey Summary

This logistics report summarizes the operational aspects and methodologies of the geophysical survey. This report does not discuss or interpret the survey results.

2. LOCATION AND ACCESS

The PC project is located in the province of British Columbia, Canada (see Figure 1). The closest town to the survey area is Merritt, which is approximately 40 km directly SE of the PC project. The project area can be accessed from Merritt by the following directions:

- From Merritt take Highway 8(Nicola Hwy) northwest 40 km to the right-hand turn-off onto Skuhun Creek road. Skuhun Creek is a gravel road with a street sign visible from the highway. Travel 18 km up Skuhun Creek road to reach the grid boundary. Just after the 19 km marker on Skuhun Creek there is left turn which leads to the center of the survey area (see Figure 2).

The survey grid lies in an arid, low-density forest. Lodgepole pine, spruce and fir are the main tree species at the PC project. Some deciduous species are present as well, along with yellow grasses and wild flowers as low-growth.

Various Cervidae species are present in the region, elk and deer being the most common. Bears and coyotes may also be encountered. Livestock is ranched in the surrounding areas.

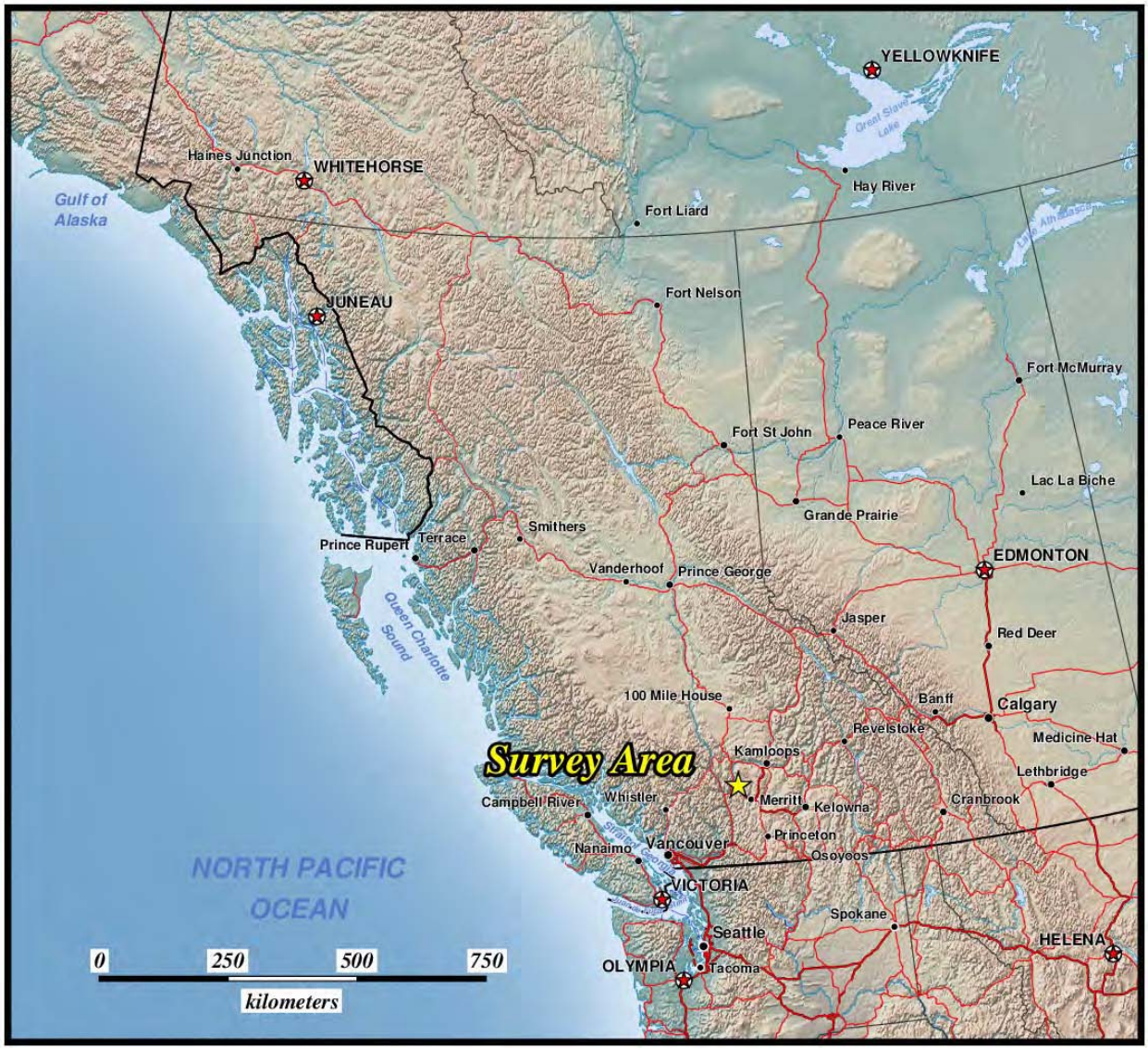


Figure 1: Overview map of the PC project located in British Columbia, Canada

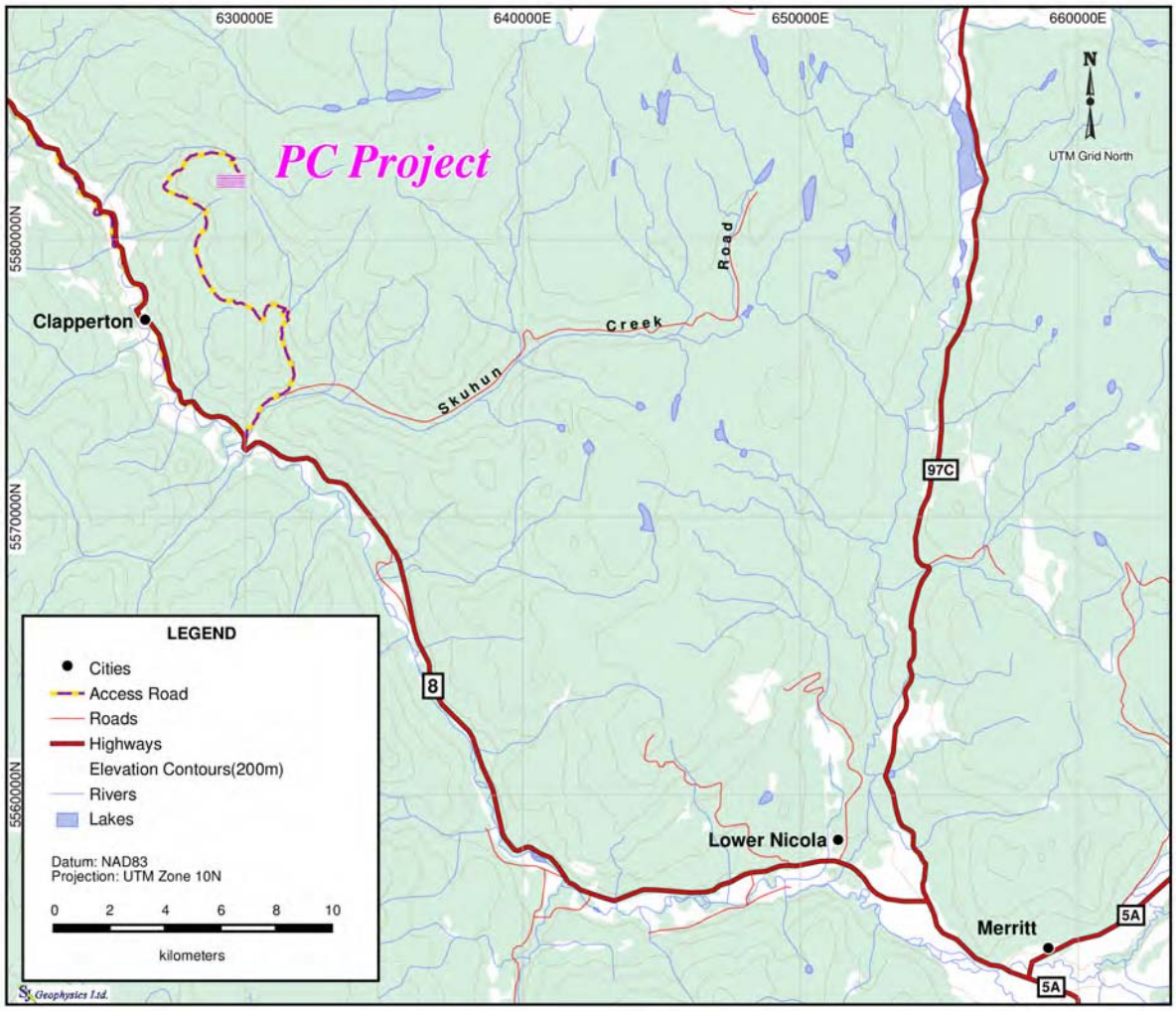


Figure 2: Location map for the PC project showing towns and road access

3. GRID INFORMATION

Grid	North
Number of Survey Lines	5
Survey Line Azimuth	90º
Line Spacing	100 m
Station Spacing	50 m
Elevation range	1344 – 1492 m

Table 2: Grid parameters

The North grid consisted of five survey lines, two receiver and three current lines, spaced at 100 m with stations flagged and marked every 50 m (see Figure 3). The 3DIP survey grid was based off of a previous soil sampling grid, so the lines were already flagged. The SJ Geophysics crew used their own labeling system for the line and station labels which was based on the UTM coordinates. The line labels were represented by the last four digits in the UTM northing and the station labels were represented by the last five digits in the UTM easting. Refer to Appendix A for a detailed breakdown of the survey lines.

All of the survey location information was recorded by the SJ Geophysics crew, including GPS control points and slope/clinometric data. Control points were recorded with a Garmin GPSMAP 62s hand-held GPS in the UTM projection and NAD83 datum Zone 10N. Slope data were recorded with a Suunto hand-held clinometer.

The survey environment is an arid alpine forest. The grid is set amongst trees and short grasses. The drier conditions of this region do not allow for dense vegetation. A high percentage of the trees have been destroyed by Pine Beetle leaving dead fall and loose branches on the forest floor. Slopes on the grid are gentle, generally below 25%, with little outcrop. The ground itself is predominantly loose, unconsolidated gravels overlain by a thin layer of soil. Temperature at the PC project ranged from around 3 ºC at night up to 12 ºC during the day. Precipitation was minimal at this time of year so the conditions were dry.

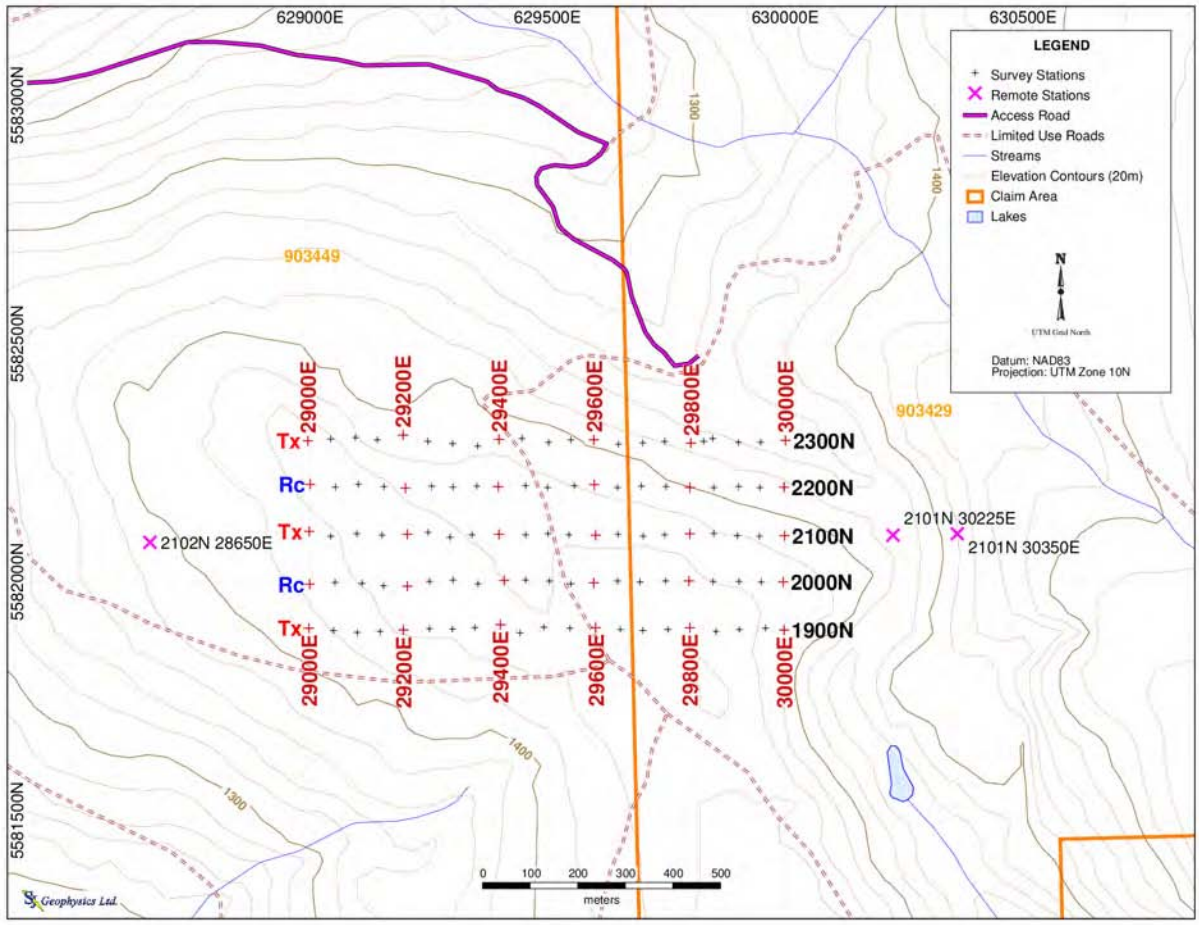


Figure 3: Grid map showing the survey area for the North grid

4. FIELD WORK AND INSTRUMENTATION

4.1. Field Logistics

The SJ Geophysics field crew consisted of three field geophysicists or technicians and two field technicians. The field geophysicists and technicians oversee all operational aspects including field logistics, data acquisition and initial field data quality control. Table 3 lists the SJ Geophysics crew members on this project.

The SJ Geophysics crew worked the North grid of the PC project over the two days of October 18th and 19th.

Crew Member Name	*Role*	*Dates on Site*
Jordan Perk	Field Geophysicist	October 18 - 19
Jay Enns	Field Geophysicist	October 18 - 19
Alex Tryon	Field Geophysicist	October 18 - 19
Nathan Anderson	Field Technician	October 18 - 19
Les Sergeant	Field Technician	October 18 - 19

Table 3: Details of the SJ Geophysics crew on site

During the course of the geophysical survey, the SJ Geophysics crew conducted daily safety meetings as well as daily tailgate meetings. The safety meetings include a comprehensive review of safe work practices specific to our geophysical surveys and field operations. At the tailgate meetings, personnel discuss issues related to: changing weather conditions (including ramifications on the survey as well as personal safety), encounters with or sightings of potentially problematic wildlife, efficient organization of daily tasks, and any other work-related questions or concerns.

The SJ Geophysics crew were accommodated in Merritt at the Ramada Hotel. Hotel facilities were adequate for the crew to complete evening duties. Communications with the office were achieved via cell-phone and data was uploaded via the hotel wireless internet connection.

The field survey progressed smoothly, however there were some minor problems to overcome. Achieving good electrical contact on the North grid proved to be difficult. The ground

was very dry and loose. The crew worked at achieving the best possible current at each station, at times requiring multiple attempts to find the most effective placement of the rods. Searching for good contact slowed progress but was necessary to overcome the noise in the measured signal. One broken remote line was the only equipment problem encountered; it was dealt with swiftly and was only a very minor hindrance.

4.2. Survey Parameters and Instrumentation

The geophysical instrumentation used to acquire the 3DIP data consisted of a SJ-24 full waveform receiver and a GDD Tx II transmitter. The specifications of these instruments are listed in Appendix B and the equipment parameters are summarized in Table 5.

The IP arrays for this survey were connected using special 8-conductor cables with 50 m takeouts for the receiver electrodes. For the potential line, the electrodes consisted of stainless steel pins, 50 cm long and 10 mm in diameter, which were hammered into the ground. At each current station (50 m intervals), current was injected using two long (75 cm) stainless steel electrodes hammered into the ground. The remote current locations consisted of four 75 cm stainless steel rods, 15 mm in diameter. Table 4 shows the UTM locations of the remote sites.

Name	Label	UTM Northing / NAD83	UTM Easting / NAD83
West Remote	2102N 28650E	5582084	628665
East Remote 1	2101N 30350E	5582102	630362
East Remote 2	2101N 30225E	5582099	630227

Table 4: Locations of 3DIP remote sites

Array Type	3DIP – Offset Pole-Dipole
Number of Dipoles	16
Dipole Length	50 m
Array Length	800 m
Current Interval	50 m
IP Transmitter	GDD TxII (Serial #433, 439)
Duty Cycle	50%
Waveform	Square
Cycle and Period	2 sec on / 2 sec off; 8 second
IP Receiver	SJ-24 Full Waveform Digital Receiver
Reading Length	Minimum 60 seconds
Vp Delay, Vp Integration	1200 ms, 600 ms
Mx Delay, # of Windows Width (Mx Intergration)	200 ms, 20 36, 39, 42, 45, 48, 52, 56, 60, 65, 70, 75, 81, 87, 94, 101, 109,118, 128, 140, 154 (200 ms – 1800 ms)
Properties Calculated	Vp, Mx, Sp, Apparent Res
GPS	Garmin GPSMAP 62s
Average Accuracy	5 m
Projection / Datum	UTM / NAD83 Zone 10N

Table 5: Instrument parameters

5. GEOPHYSICAL TECHNIQUES

5.1 IP Method

The time domain IP technique energizes the ground by injecting square wave current pulses via a pair of current electrodes. During current injection, the primary voltage and input current are used along with the known positions of the electrodes to calculate the apparent (bulk) resistivity of the ground. Immediately after the current injection stops, a time decaying voltage is measured at the receiver electrodes. This IP effect measures the amount of polarizable (or "chargeable") particles in the subsurface rock.

Under ideal circumstances, high chargeability corresponds to disseminated metallic sulfides. Unfortunately, IP responses are rarely uniquely interpretable as other rock materials are also chargeable, such as some graphitic rocks, clays and some metamorphic rocks (e.g., serpentinite). Therefore, it is prudent from a geological perspective to incorporate other data sets to assist in interpretation.

IP and resistivity measurements are generally considered repeatable to within about five percent. However, changing field conditions, such as variable water content or electrode contact, reduce the overall repeatability. These measurements are influenced to a large degree by the rock materials near the surface or, more precisely, near the measurement electrodes. In the past, interpretation of a traditional IP pseudosection was often uncertain because strong responses located near the surface could mask a weaker one at depth. Geophysical inversion techniques help to overcome this uncertainty.

5.2 3DIP Method

Three dimensional IP surveys have been designed to take advantage of recent advances in 3D inversion techniques. Unlike conventional 2DIP, the electrode arrays are not restricted to an in-line geometry. In the standard 3DIP configuration, a receiver array is established along one survey line while current lines are located on two adjacent lines lying on either side of the receiver line. Current injections are performed sequentially at fixed increments (25, 50, 100 or 200 m) along the current lines. Meanwhile, geophysical data are collected along a receiver array which consists of 12 to 16 dipoles laid out along the receiver line. Spacing between current and

receiver lines is often the same; however, line spacing is sometimes modified to compensate for local conditions, such as inaccessible sites and water bodies, or the overall conductivity of the ground. Whenever possible, two receivers can be used to speed up production and increase depth penetration. In most cases, one receiver records a full 16 dipole set while a second receiver records additional dipoles. By injecting current at multiple locations along current lines adjacent to receiver arrays, data acquisition rates are significantly improved over conventional surveys.

6. QUALITY ASSURANCE

6.1. Locations

Good quality survey location data is crucial to successful analysis and interpretation of the collected geophysical data. The quality of the location data for this survey is generally high thanks to good satellite reception and open terrain. GPS measurements (control points) were obtained for each survey station and no interpolation was necessary.

6.2. IP Data

The IP geophysical data go through a series of quality assurance processes. Prior to acquisition, it is SJ Geophysics' best practice to acquire a noise reading to determine the background noise levels and to detect possible bad channels (i.e. poor ground contacts). This allows the operator to troubleshoot problem areas in the array prior to acquisition, then once the operator is satisfied surveying can begin. Immediately after each full waveform reading is completed the data are analyzed in the field to provide the operator a set of electric potential and chargeability values (Vp, Sp, Mx) as well as a chart of the chargeability decay curves for each dipole in the array. This gives the operator valuable information to verify the quality of data in real time. Also available to the operator are visualization tools for full waveform signals and a spectral analysis program to assist in troubleshooting possible bad stations and unwanted noise.

Each evening, the analyzed data are imported into JavIP: a proprietary IP database management system developed by S.J.V. Consultants Ltd. (SJV). This package integrates the locational information with each reading, thus allowing the calculation of the apparent resistivity and apparent chargeability. The package's interactive quality control tools include: plots of decay curves, tables of calculated parameters and a dot plot (a graphical display of data of the various

parameters). These enable the field geophysicist to validate each data point. After the field geophysicist removes known bad points from field observations and other obvious outliers, the database is delivered to SJV for a more stringent second review. In this second review, the data are scrutinized to ensure erroneous data points are not passed along to the final stage of processing: the inversion.

The data collected on the PC project was of fair quality. The voltage potentials (Vp) were lower than desired, however, the resultant decay curves were reasonably clean and repeatable. On the PC project most of the data flagged for removal was due to non-coupling. This phenomena is typical in IP surveys and is related to the survey configuration. Non-coupling occurs when the receiver dipole is sub-parallel to the equipotential lines which can result in a significant decrease in signal strength that leads to untrustworthy data. Some data were also flagged for removal due to low signal strength. Some low frequency background noise was also present throughout the survey. It had a consistent amplitude and steady frequency of approximately 0.5 Hz. The transmitted IP signal is 0.125 Hz which allowed the noise to be stacked out of the data. Figure 4 shows an example of the background noise and shows how the stacking software effectively removed the noise signature. Figure 5 shows an example of data that was clean, and Figure 6 shows an example of data that was slightly more noisy.

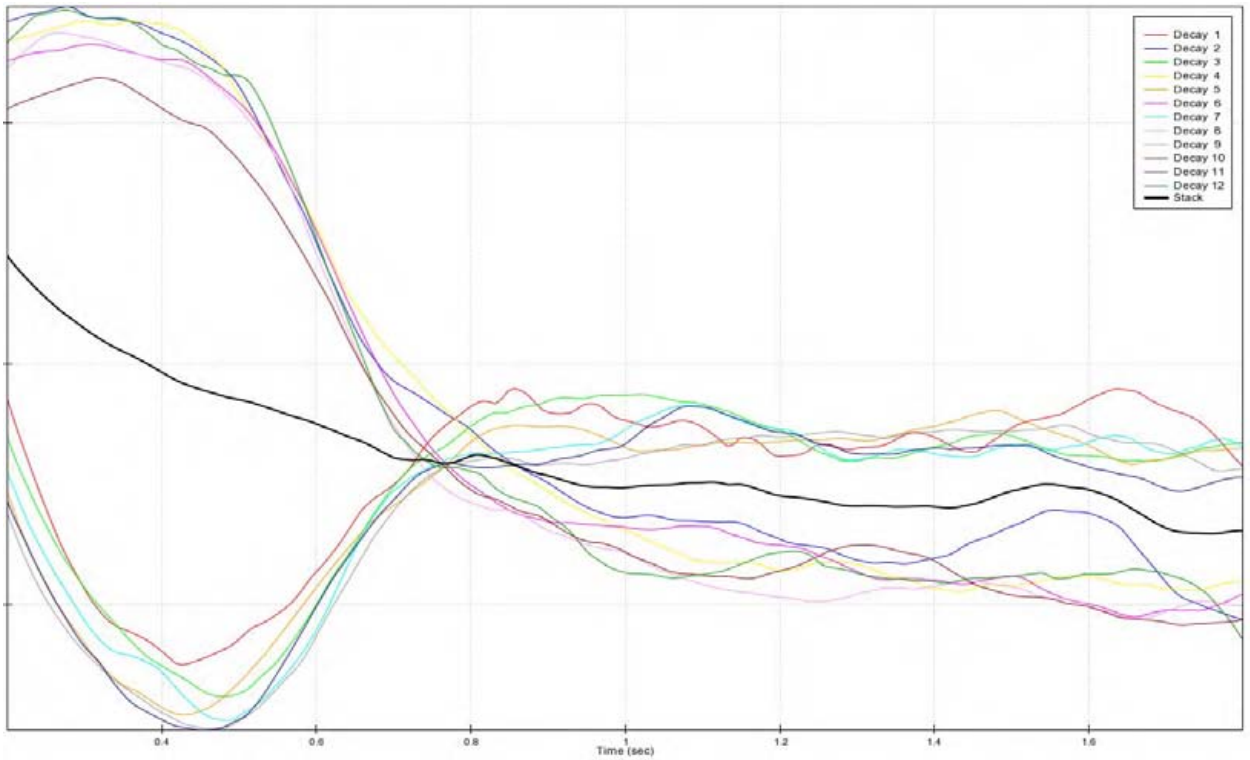


Figure 4: Example of removing background noise through stacking

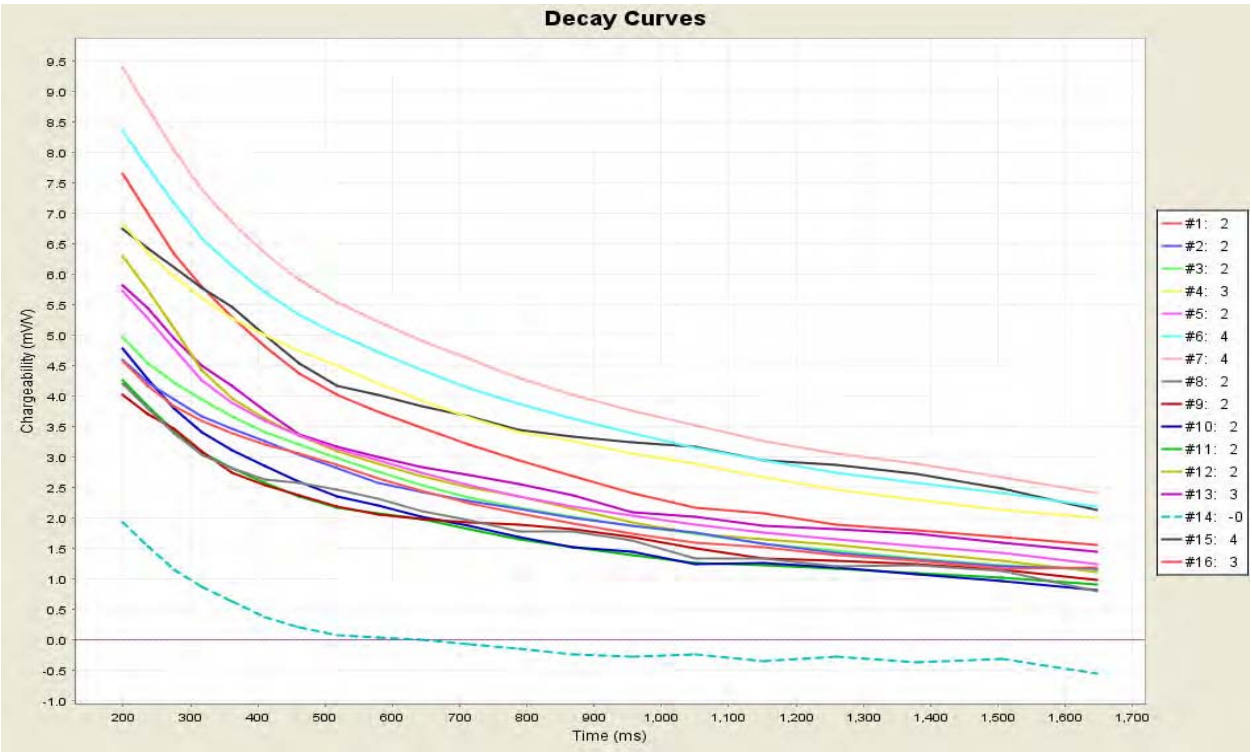


Figure 5: Example of clean data from Rc 2200N, Tx 2100N 29200E

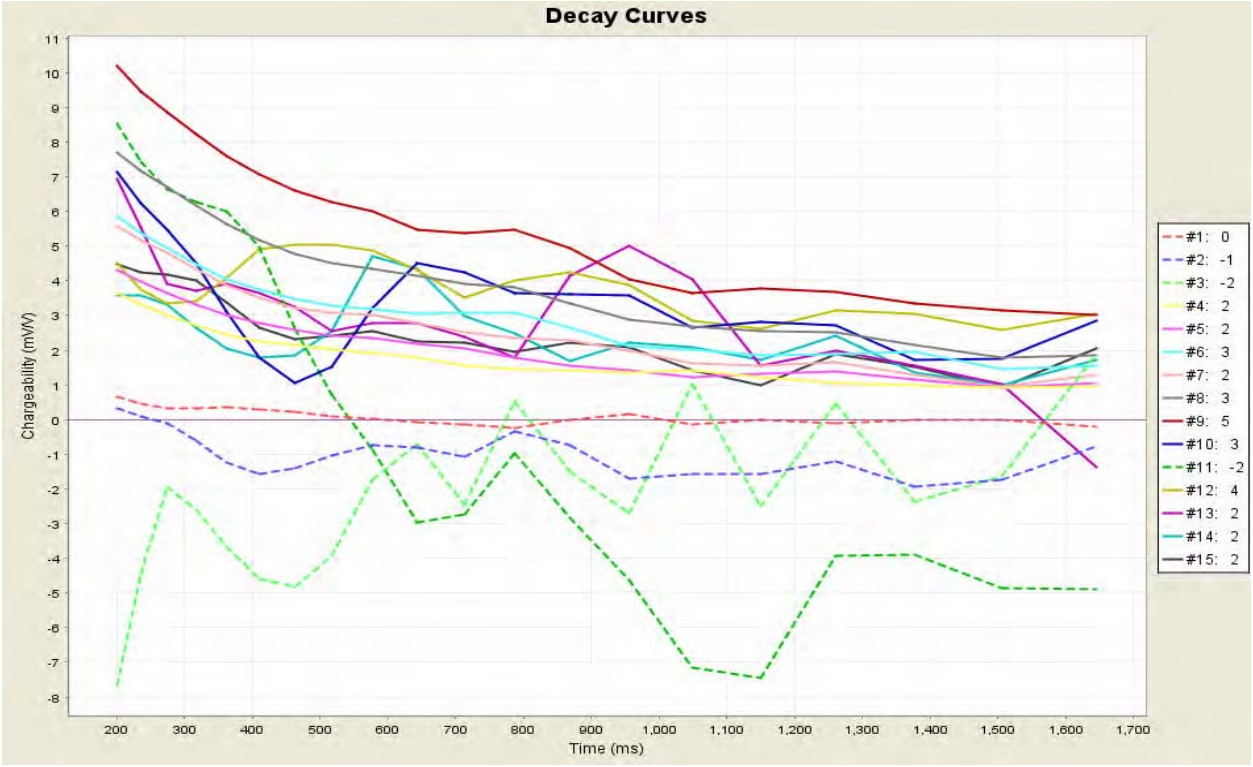


Figure 6: Example of noisy data from Rc 2000N, Tx 1900N 29100E

7. GEOPHYSICAL INVERSION

The purpose of geophysical inversion is to estimate the distribution of the physical properties of the rocks in the subsurface based on the geophysical data collected at the surface. Examples of physical properties include: density, resistivity, chargeability, and magnetic susceptibility. Geophysical measurements made at the surface are strongly influenced by the physical properties of rocks in the subsurface. Therefore, we can use mathematical algorithms to convert these surface measurements into a 3D picture of the subsurface. This process is called geophysical inversion. Unfortunately, the inversion process cannot provide a single unique solution. Indeed, there are many different possible subsurface 3D physical property models that could fit our surface geophysical measurements. Despite this limitation, inversion is a very powerful tool to help identify the main subsurface features which are required by the surface geophysical data. With the combination of high quality surface measurements and geophysical inversion, a much greater understanding of the subsurface can be obtained. Several geophysical inversion programs

are available, but SJ Geophysics primarily uses the UBC-GIF algorithms (e.g. DCIP2D, DCIP3D, MAG3D, GRAV3D) which were developed by a consortium of major mining companies under the auspices of the UBC-Geophysical Inversion Facility.

It is SJ Geophysics standard practice to invert data from 3DIP surveys, and to do this we use the DCIP3D program which solves two inverse problems. First, the DC potentials are inverted to calculate the spatial distribution of electrical resistivity in the subsurface. Second, the chargeability data (IP) are inverted to recover the spatial distribution of IP polarizable particles in subsurface rocks. When available, additional information, such as geological boundaries and down-hole geophysical data, can be added to the inversion in order to constrain the inversion model. The inversion programs are generally applied iteratively to evaluate the output with regard to what is geologically known, estimate the depth of detection, and determine the viability of specific measurements.

The inversion result is then run through a series of quality control steps prior to final gridding and mapping. Inversion output is plotted to show the distribution of physical properties (e.g. resistivity, chargeability, etc.) in cross-sections as well as plan maps that are sliced at different depths beneath the surface. Inversion results are also visualized in 3D using the open source software packages Mayavi and Paraview. Using both 2D and 3D views, additional data (such as topography, geochemistry, and drillholes) can then be overlain to aid in interpretation and facilitate discussion of potential drilling targets.

Respectfully submitted,
per SJ Geophysics Ltd.

Nathan Anderson

APPENDIX A: SURVEY DETAILS

North Grid

Line	*Series*	*Type*	*Start Station*	*End Station*	*Survey Length (m)*
1900	N	Tx	29000	30000	1000
2000	N	Rc	29000	30000	1000
2100	N	Tx	29000	30000	1000
2200	N	Rc	29000	30000	1000
2300	N	Tx	29000	30000	1000

Total Linear Metres = 5000

Rc = Receiver Line, Tx = Transmitter Line

APPENDIX B: INSTRUMENT SPECIFICATIONS

SJ-24 Full Waveform Digital IP Receiver

Technical:

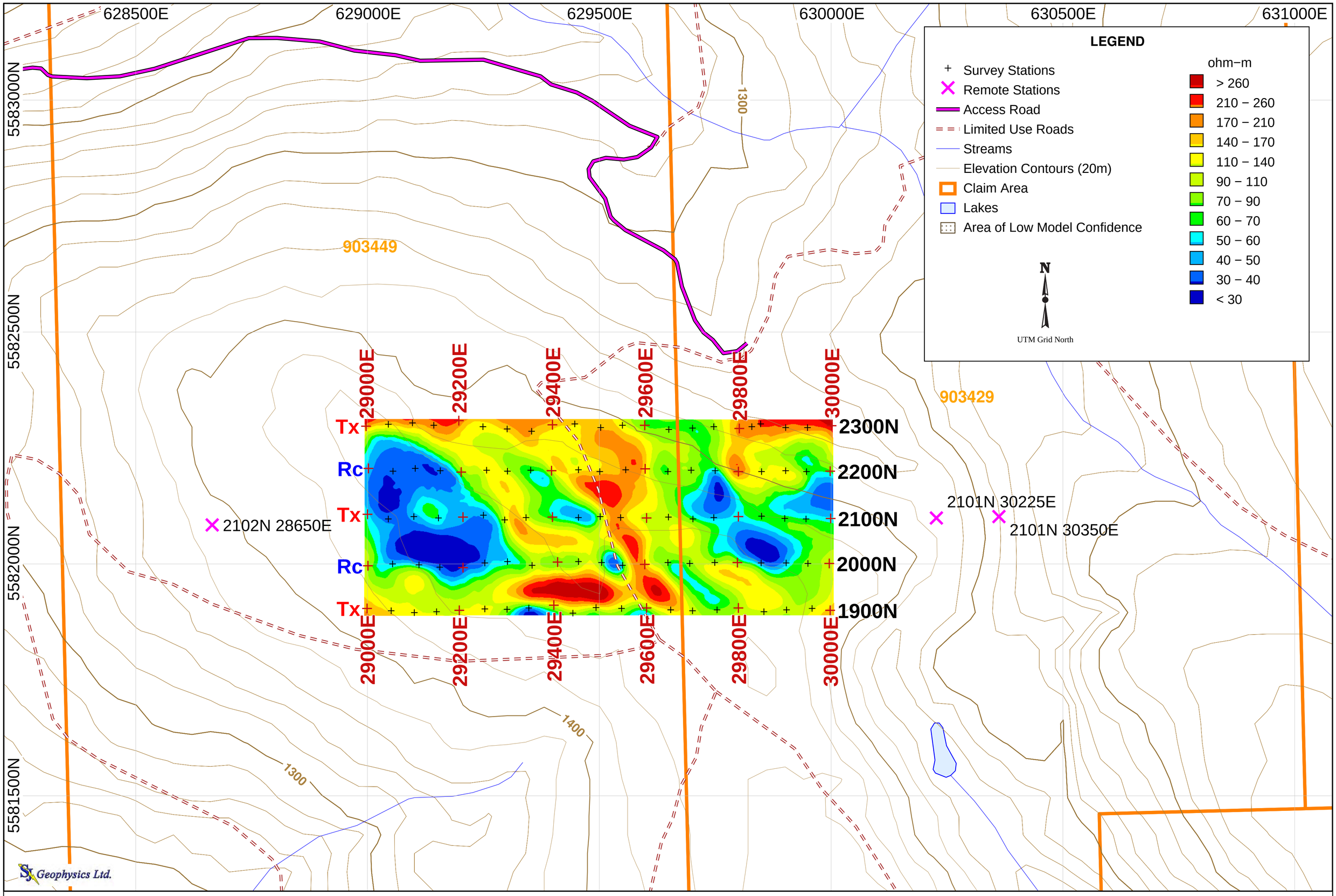
Input impedance:	10Ω
Input overvoltage protection:	up to 1000V
External memory:	Unlimited readings
Number of dipoles:	4 to 16 +, expandable
Synchronization:	Software signal post-processing user selectable
Common mode rejection:	More than 100 dB (for Rs=0)
Self potential (Sp):	Range: -10V to +10V Resolution: 0.1mV Proprietary intelligent stacking process rejecting strong non-linear SP drifts
Primary voltage:	Range: 1μV – 10V (24bit) Resolution: 1μV Accuracy: typ. <1.0%
Chargeability:	Resolution: 1μV/V Accuracy: typ. <1.0%

General (4 dipole unit):

Dimensions:	18 x 16 x 9 cm
Weight:	1.1kg
Battery:	12V external
Operating temperature range:	-40 ºC to 50 ºC

GDD Tx II IP Transmitter

Input voltage:	120V / 60 Hz or 240V / 50Hz (optional)
Output power:	3.6 kW maximum
Output voltage:	150 to 2200 V
Output current:	5 mA to 10 A
Time domain:	1, 2, 4, 8 second on/off cycle
Operating temp. range:	-40 °C to +50 °C
Display:	Digital LCD read to 0.001 A
Dimensions:	34 x 21 x 39 cm
Weight:	20 kg



Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Log−Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 25m Below Topography

0 200 400 600 800 1000

meters

Sookochoff Consultants Inc.

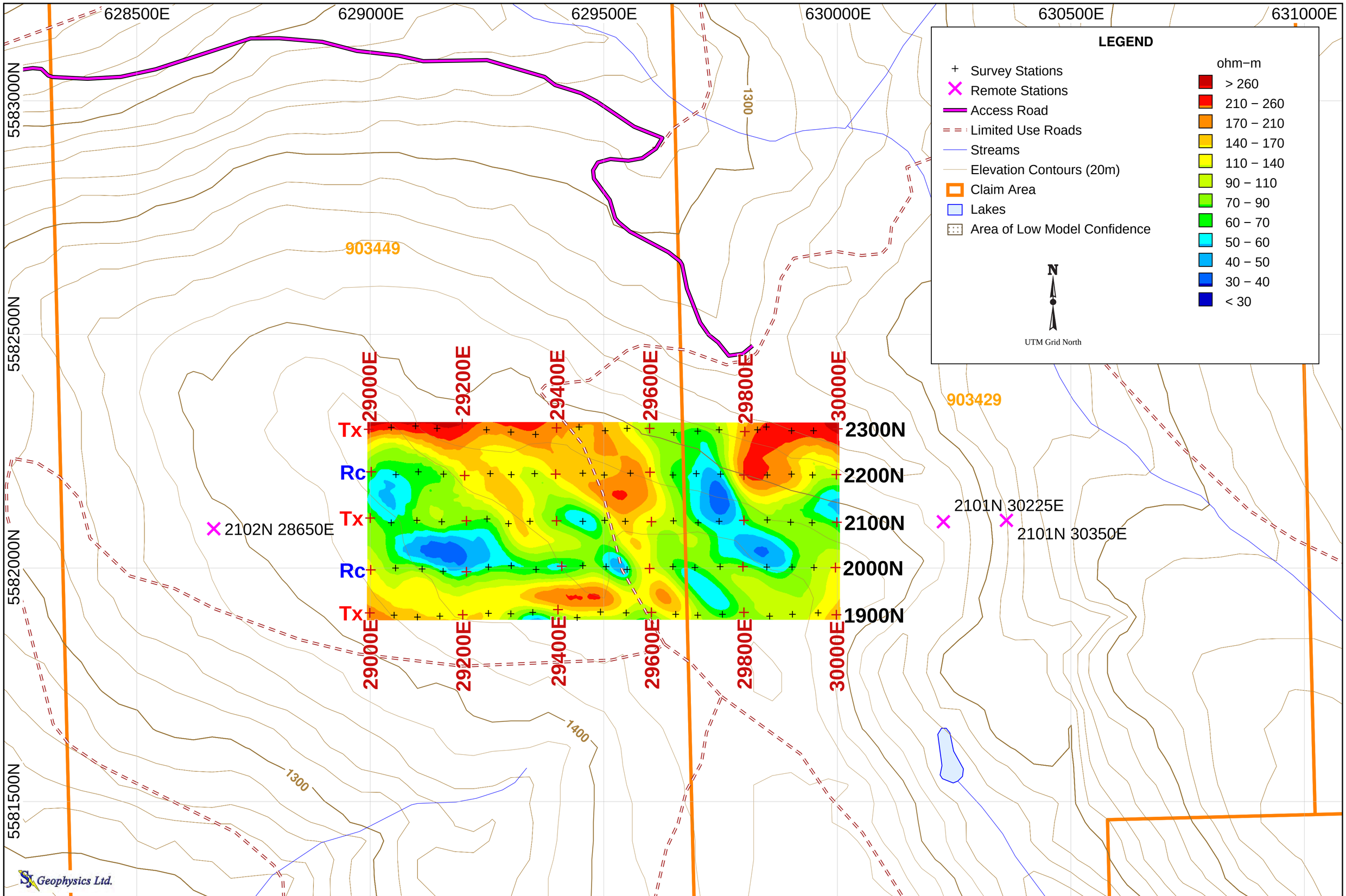
Interpreted Resistivity (ohm−m)

PC Project

Merritt, B.C., Canada

Plate R−1

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Log−Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 50m Below Topography

0 200 400 600 800 1000
meters

Sookochoff Consultants Inc.

Interpreted Resistivity (ohm−m)

PC Project

Merritt, B.C., Canada

Plate R−2

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com

628500E 629000E 629500E 630000E 630500E 631000E

5583000N
5582500N
5582000N
5581500N

LEGEND

- Survey Stations
- Remote Stations
- Access Road
- Limited Use Roads
- Streams
- Elevation Contours (20m)
- Claim Area
- Lakes
- Area of Low Model Confidence

ohm−m
- > 260
- 210 − 260
- 170 − 210
- 140 − 170
- 110 − 140
- 90 − 110
- 70 − 90
- 60 − 70
- 50 − 60
- 40 − 50
- 30 − 40
- < 30

N
UTM Grid North

903449
903429
1300
1400

29000E 29200E 29400E 29600E 29800E 30000E

Tx
Rc
Tx
Rc
Tx

2300N
2200N
2100N
2000N
1900N

2102N 28650E
2101N 30225E
2101N 30350E

Sj Geophysics Ltd.

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Log−Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 75m Below Topography

0 200 400 600 800 1000
meters

Sookochoff Consultants Inc.

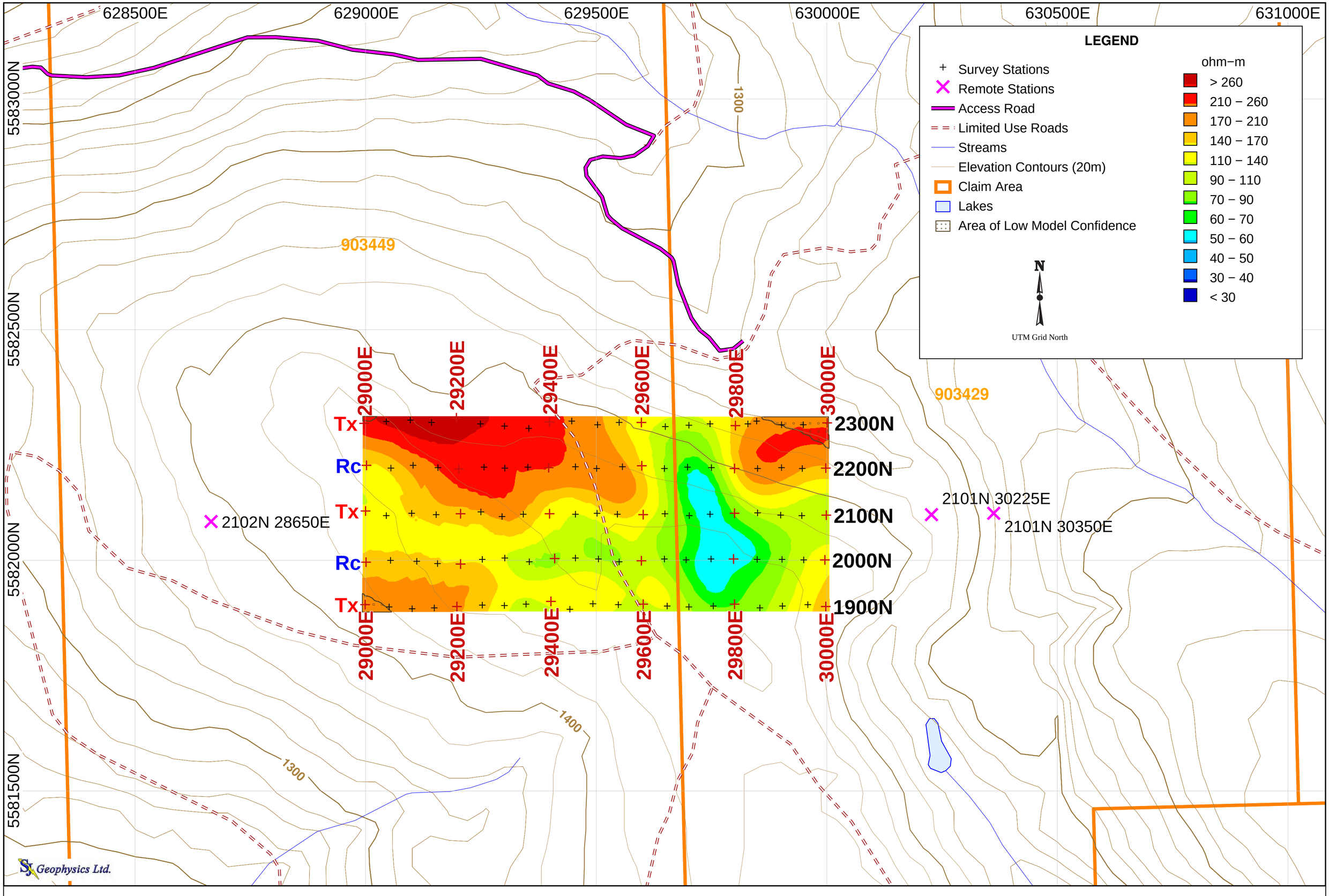
Interpreted Resistivity (ohm−m)

PC Project

Merritt, B.C., Canada

Plate R−3

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Log−Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 100m Below Topography

0 200 400 600 800 1000
meters

Sookochoff Consultants Inc.

Interpreted Resistivity (ohm−m)

PC Project

Merritt, B.C., Canada

Plate R−4

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com

628500E 629000E 629500E 630000E 630500E 631000E

5583000N 5582500N 5582000N 5581500N

1300 1400

903449 903429

LEGEND

- Survey Stations
- Remote Stations
- Access Road
- Limited Use Roads
- Streams
- Elevation Contours (20m)
- Claim Area
- Lakes
- Area of Low Model Confidence

ohm−m
- > 260
- 210 − 260
- 170 − 210
- 140 − 170
- 110 − 140
- 90 − 110
- 70 − 90
- 60 − 70
- 50 − 60
- 40 − 50
- 30 − 40
- < 30

N
UTM Grid North

29000E 29200E 29400E 29600E 29800E 30000E

Tx
Rc
Tx
Rc
Tx

2300N 2200N 2100N 2000N 1900N

2102N 28650E

2101N 30225E
2101N 30350E

Geophysics Ltd.

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Log−Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 125m Below Topography

0 200 400 600 800 1000
meters

Sookochoff Consultants Inc.

Interpreted Resistivity (ohm−m)

PC Project

Merritt, B.C., Canada

Plate R−5

628500E 629000E 629500E 630000E 630500E 631000E

5583000N 5582500N 5582000N 5581500N

LEGEND

- Survey Stations
- Remote Stations
- Access Road
- Limited Use Roads
- Streams
- Elevation Contours (20m)
- Claim Area
- Lakes
- Area of Low Model Confidence

ohm−m
- > 260
- 210 − 260
- 170 − 210
- 140 − 170
- 110 − 140
- 90 − 110
- 70 − 90
- 60 − 70
- 50 − 60
- 40 − 50
- 30 − 40
- < 30

N
UTM Grid North

903449
903429
1300
1400

29000E 29200E 29400E 29600E 29800E 30000E

Tx
Rc
Tx
Rc
Tx

2300N
2200N
2100N
2000N
1900N

2102N 28650E
2101N 30225E
2101N 30350E

Geophysics Ltd.

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Log−Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 150m Below Topography

0 200 400 600 800 1000
meters

Sookochoff Consultants Inc.

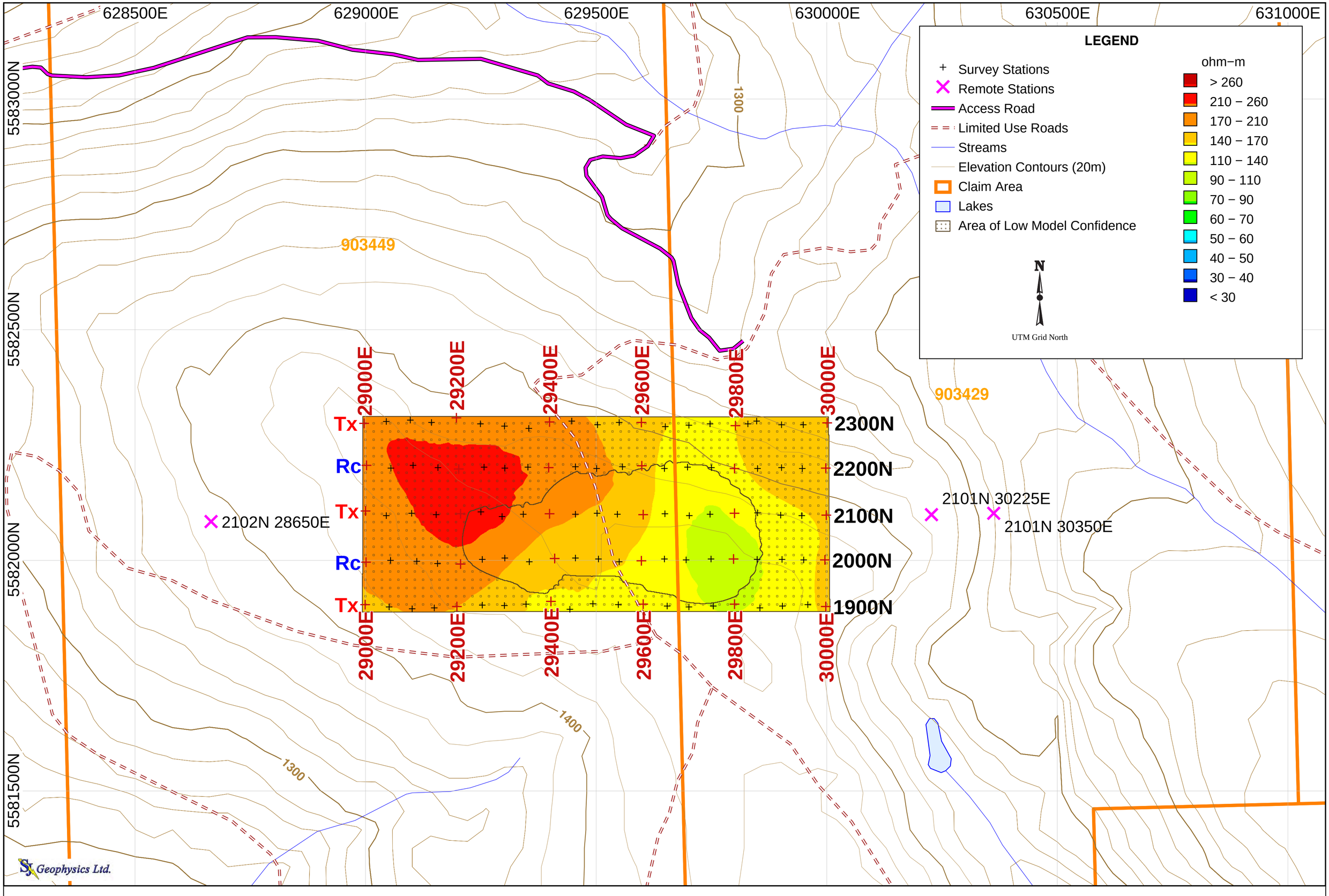
Interpreted Resistivity (ohm−m)

PC Project

Merritt, B.C., Canada

Plate R−6

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Log−Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 200m Below Topography

0 200 400 600 800 1000
meters

Sookochoff Consultants Inc.

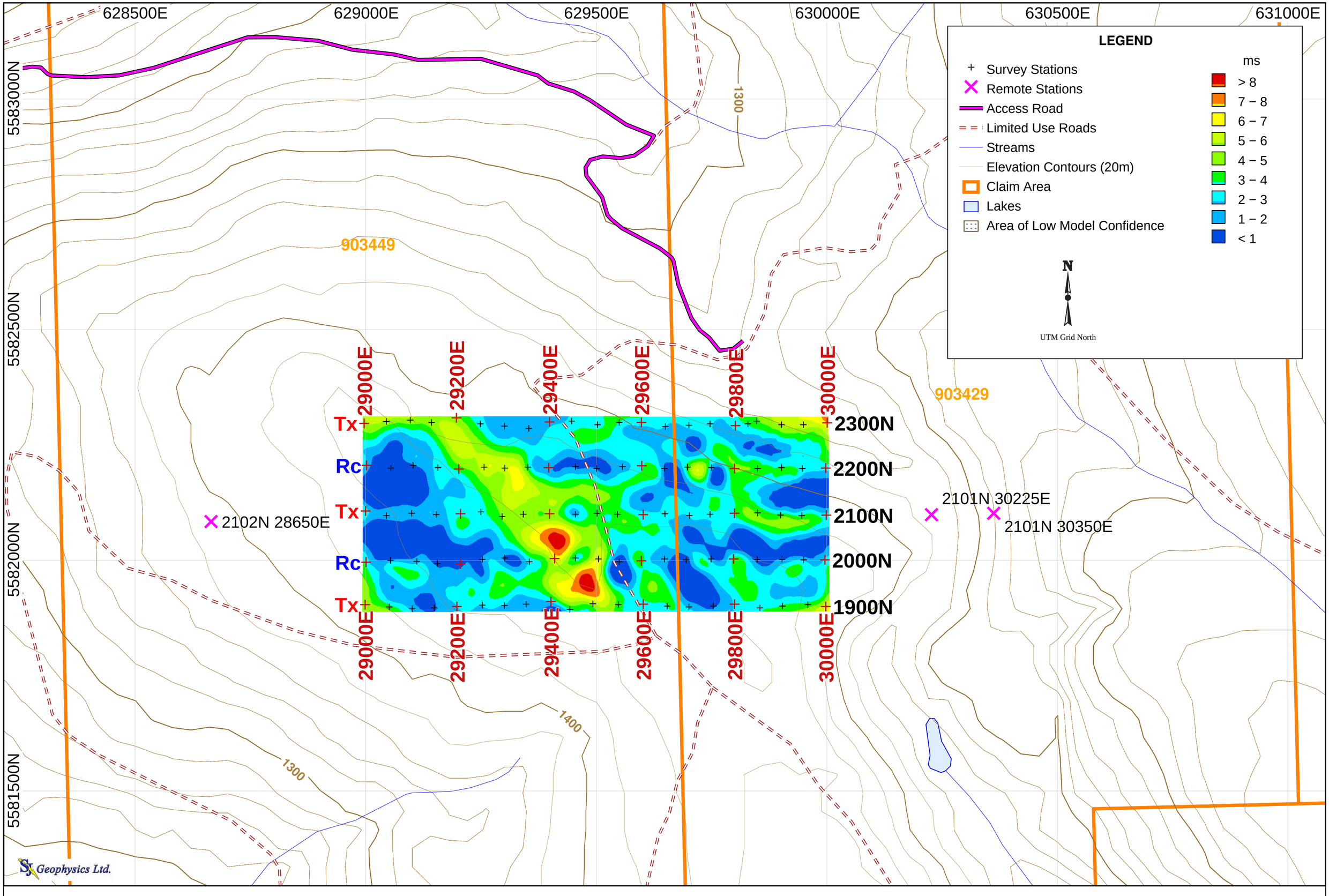
Interpreted Resistivity (ohm−m)

PC Project

Merritt, B.C., Canada

Plate R−7

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 25m Below Topography

0 200 400 600 800 1000

meters

Sookochoff Consultants Inc.

Interpreted Chargeability (ms)

PC Project

Merritt, B.C., Canada

Plate C−1

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com

628500E 629000E 629500E 630000E 630500E 631000E

5583000N
5582500N
5582000N
5581500N

LEGEND

- Survey Stations
- Remote Stations
- Access Road
- Limited Use Roads
- Streams
- Elevation Contours (20m)
- Claim Area
- Lakes
- Area of Low Model Confidence

ms
- > 8
- 7 – 8
- 6 – 7
- 5 – 6
- 4 – 5
- 3 – 4
- 2 – 3
- 1 – 2
- < 1

N
UTM Grid North

903449
903429

1300
1400

29000E 29200E 29400E 29600E 29800E 30000E

Tx
Rc
Tx
Rc
Tx

2300N
2200N
2100N
2000N
1900N

2102N 28650E
2101N 30225E
2101N 30350E

Geophysics Ltd.

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 50m Below Topography

0 200 400 600 800 1000
meters

Sookochoff Consultants Inc.

Interpreted Chargeability (ms)

PC Project

Merritt, B.C., Canada

Plate C−2

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com

628500E 629000E 629500E 630000E 630500E 631000E

5583000N 5582500N 5582000N 5581500N

1300 1400

903449 903429

29000E 29200E 29400E 29600E 29800E 30000E

Tx Rc Tx Rc Tx

2300N 2200N 2100N 2000N 1900N

2102N 28650E

2101N 30225E

2101N 30350E

LEGEND

- Survey Stations
- Remote Stations
- Access Road
- Limited Use Roads
- Streams
- Elevation Contours (20m)
- Claim Area
- Lakes
- Area of Low Model Confidence

ms

- > 8
- 7 – 8
- 6 – 7
- 5 – 6
- 4 – 5
- 3 – 4
- 2 – 3
- 1 – 2
- < 1

N

UTM Grid North

SJ Geophysics Ltd.

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 75m Below Topography

0 200 400 600 800 1000

meters

Sookochoff Consultants Inc.

Interpreted Chargeability (ms)

PC Project

Merritt, B.C., Canada

Plate C−3

628500E 629000E 629500E 630000E 630500E 631000E

5583000N 5582500N 5582000N 5581500N

LEGEND

- Survey Stations
- Remote Stations
- Access Road
- Limited Use Roads
- Streams
- Elevation Contours (20m)
- Claim Area
- Lakes
- Area of Low Model Confidence

ms

- > 8
- 7 – 8
- 6 – 7
- 5 – 6
- 4 – 5
- 3 – 4
- 2 – 3
- 1 – 2
- < 1

N

UTM Grid North

903449

903429

1300

1400

29000E 29200E 29400E 29600E 29800E 30000E

Tx Rc Tx Rc Tx

2300N 2200N 2100N 2000N 1900N

2102N 28650E

2101N 30225E

2101N 30350E

Geophysics Ltd.

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 100m Below Topography

0 200 400 600 800 1000

meters

Sookochoff Consultants Inc.

Interpreted Chargeability (ms)

PC Project

Merritt, B.C., Canada

Plate C−4

Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com

628500E 629000E 629500E 630000E 630500E 631000E

5583000N 5582500N 5582000N 5581500N

1300 1400

903449 903429

Tx Rc Tx Rc Tx

29000E 29200E 29400E 29600E 29800E 30000E

2300N 2200N 2100N 2000N 1900N

2102N 28650E

2101N 30225E

2101N 30350E

LEGEND

- Survey Stations
- Remote Stations
- Access Road
- Limited Use Roads
- Streams
- Elevation Contours (20m)
- Claim Area
- Lakes
- Area of Low Model Confidence

ms

- > 8
- 7 – 8
- 6 – 7
- 5 – 6
- 4 – 5
- 3 – 4
- 2 – 3
- 1 – 2
- < 1

N

UTM Grid North

SJ Geophysics Ltd.

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 125m Below Topography

0 200 400 600 800 1000

meters

Sookochoff Consultants Inc.

Interpreted Chargeability (ms)

PC Project

Merritt, B.C., Canada

Plate C−5

628500E 629000E 629500E 630000E 630500E 631000E

5583000N 5582500N 5582000N 5581500N

1300 1400

903449 903429

29000E 29200E 29400E 29600E 29800E 30000E

Tx 2300N
Rc 2200N
Tx 2100N
Rc 2000N
Tx 1900N

2102N 28650E

2101N 30225E

2101N 30350E

LEGEND

- Survey Stations
- Remote Stations
- Access Road
- Limited Use Roads
- Streams
- Elevation Contours (20m)
- Claim Area
- Lakes
- Area of Low Model Confidence

ms
- > 8
- 7 – 8
- 6 – 7
- 5 – 6
- 4 – 5
- 3 – 4
- 2 – 3
- 1 – 2
- < 1

N
UTM Grid North

SJ Geophysics Ltd.

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 150m Below Topography

0 200 400 600 800 1000
meters

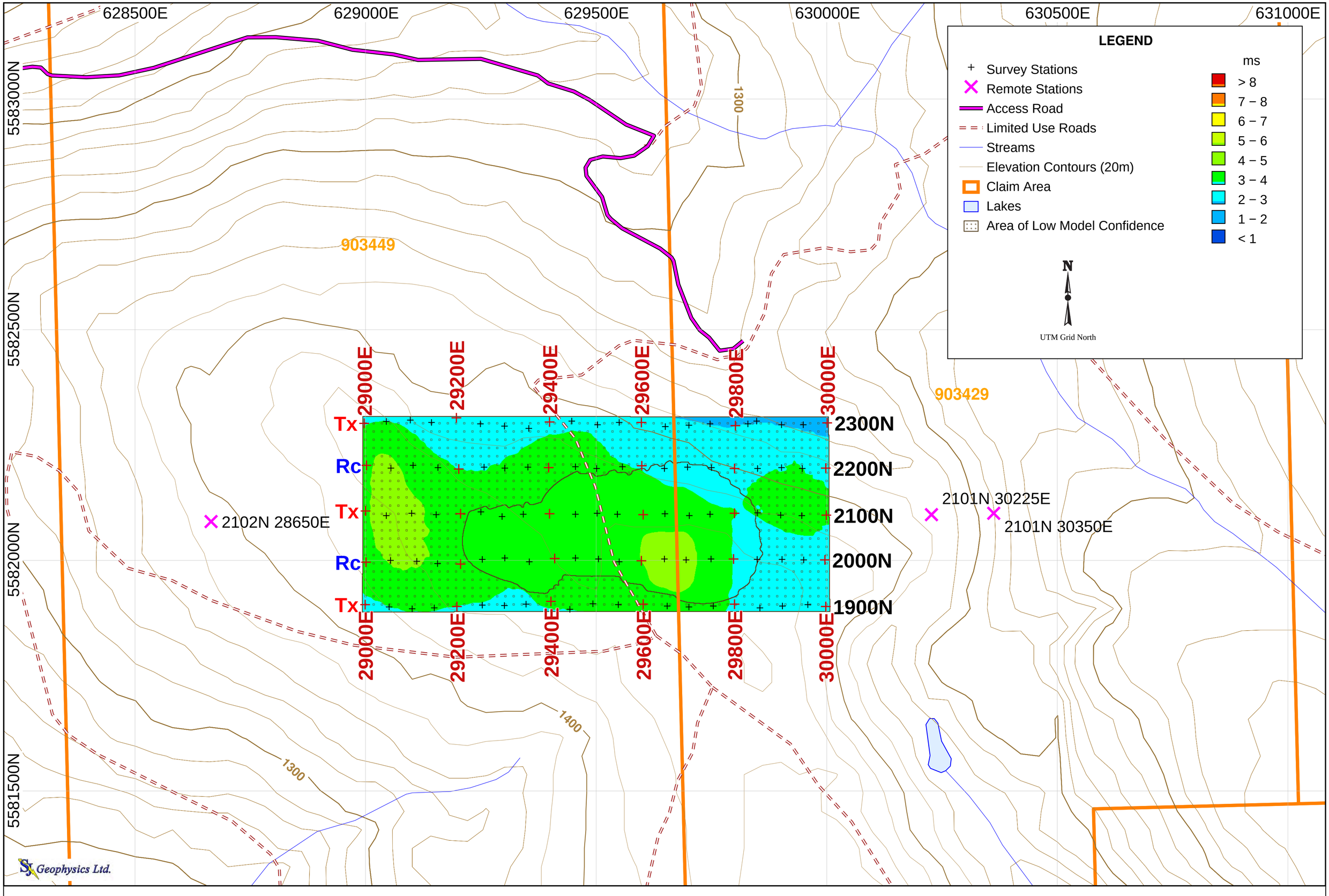
Sookochoff Consultants Inc.

Interpreted Chargeability (ms)

PC Project

Merritt, B.C., Canada

Plate C−6



Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
NTS Sheet: 092I06
Colour Classification: Modified Linear
Mapping Date: 16−Nov−2012

Planmap

3D Inversion Model

Depth: 200m Below Topography

0 200 400 600 800 1000
meters

Sookochoff Consultants Inc.

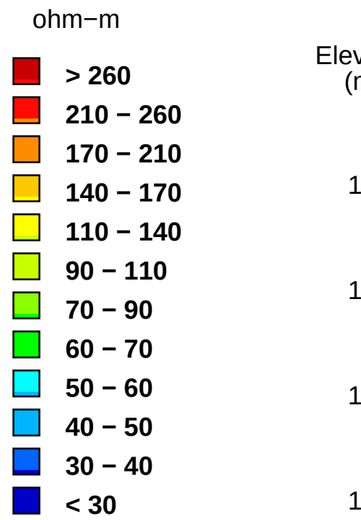
Interpreted Chargeability (ms)

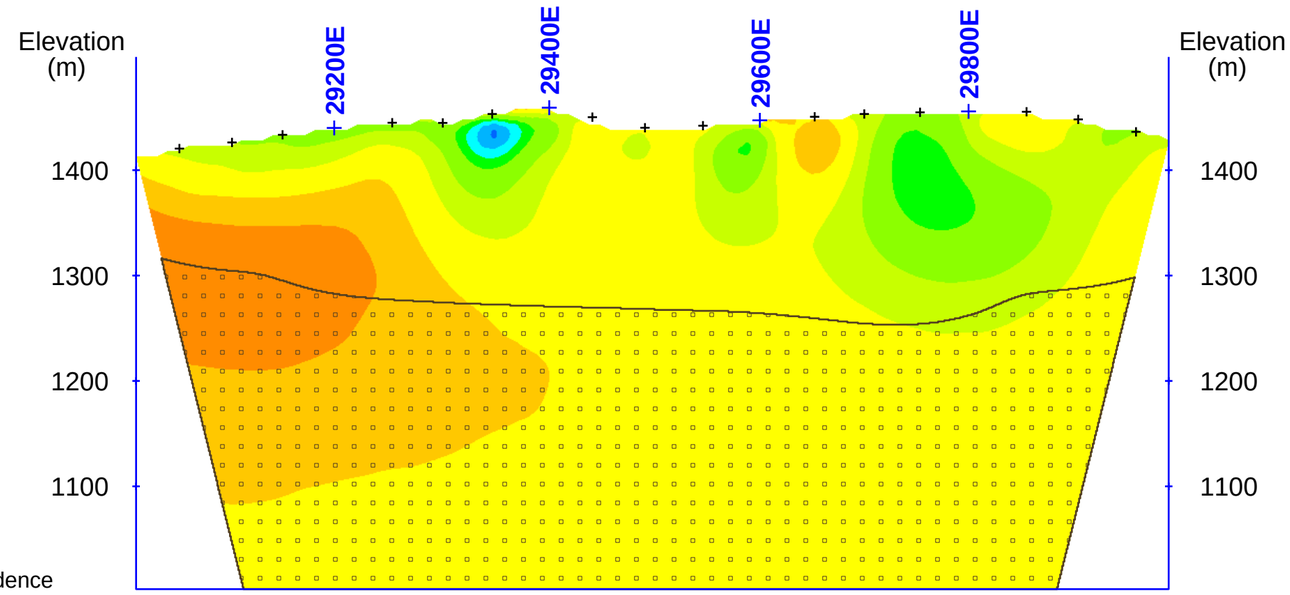
PC Project

Merritt, B.C., Canada

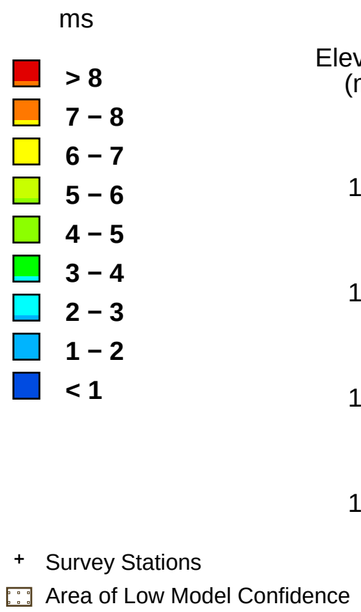
Plate C−7

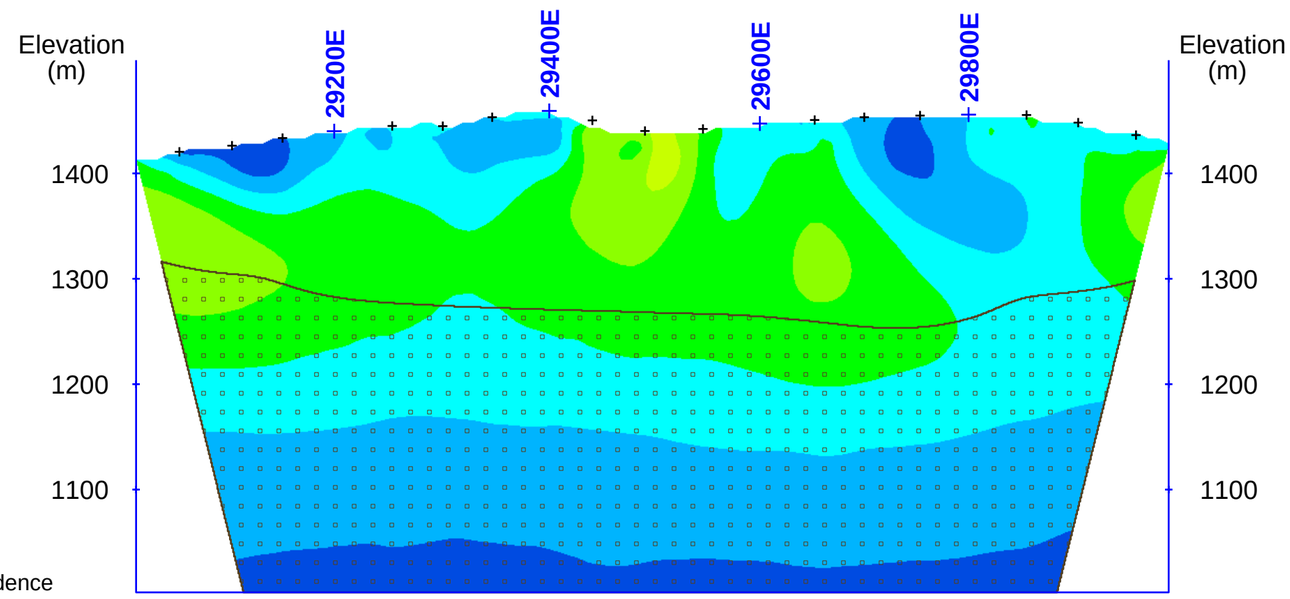
Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



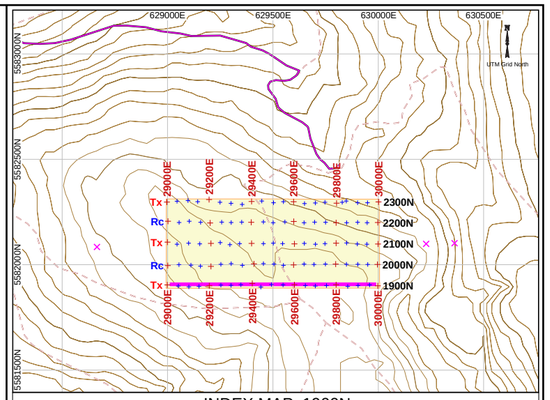


Interpreted Resistivity (ohm−m)





Interpreted Chargeability (ms)



INDEX MAP: 1900N

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
Mapping Date: 16−Nov−2012

Colour Classifications:
Resistivity: Modified Log−Linear
Chargeability: Modified Linear

0 100 200 300 400
meters

Sookochoff Consultants Inc.

PC Project

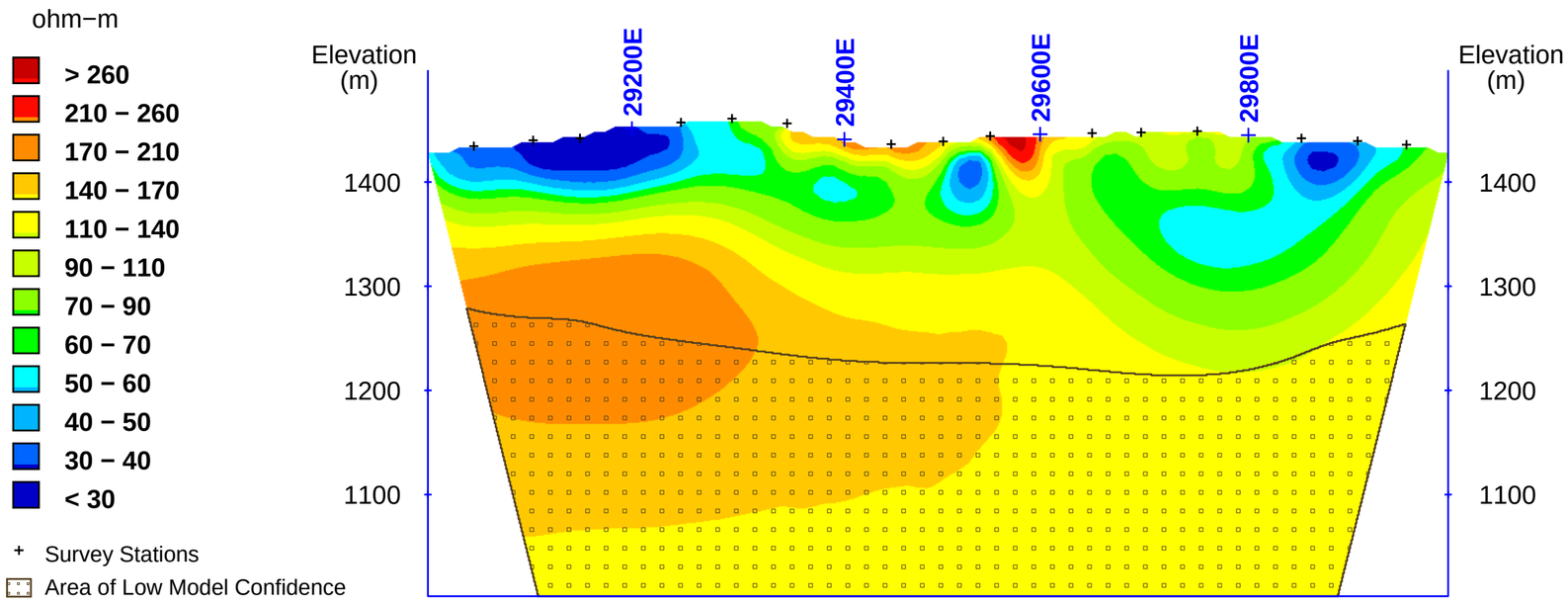
Merritt, B.C., Canada

3D Inversion Models of Interpreted Resistivity & Chargeability

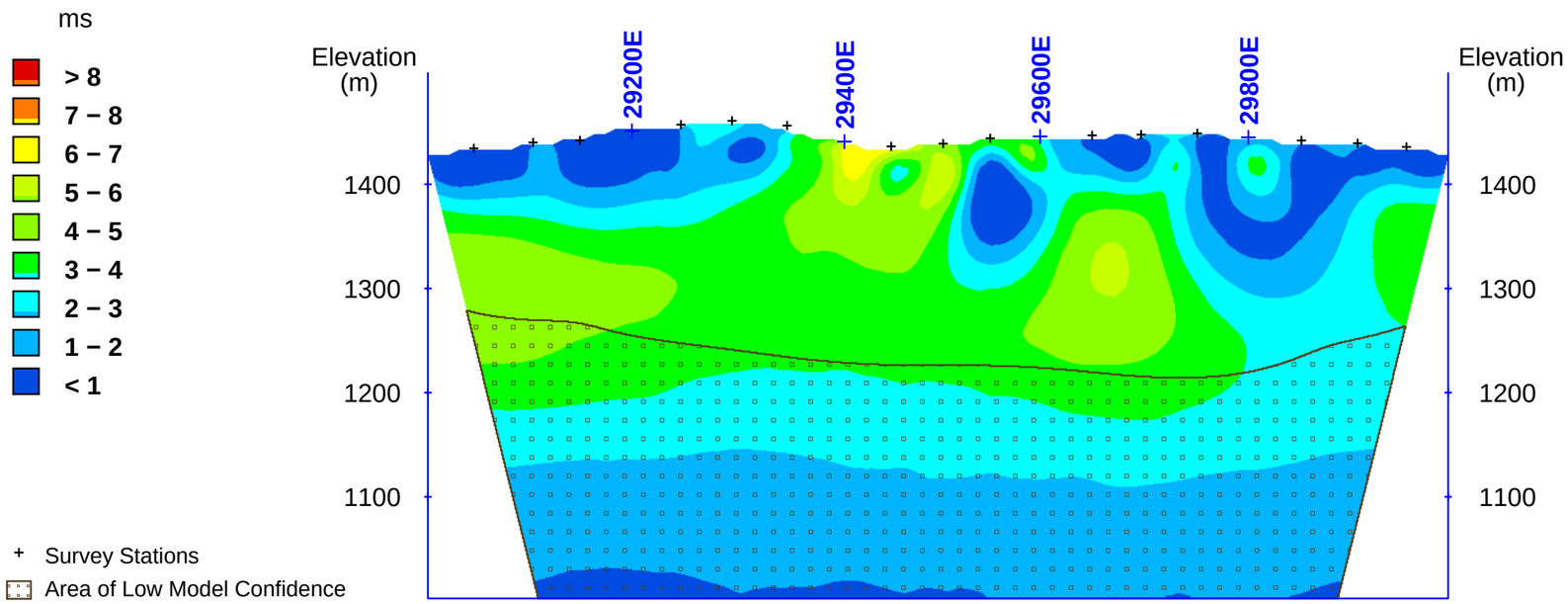
Cross Section Map

Section: 1900N

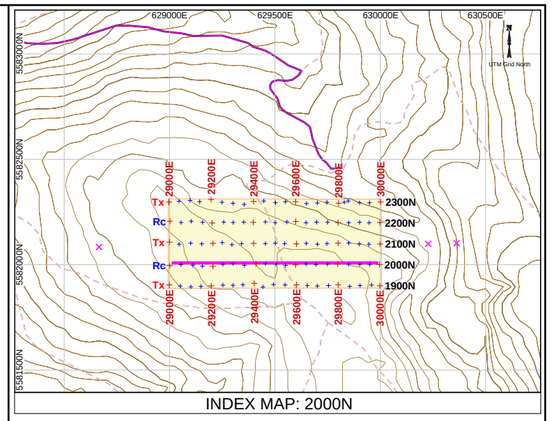
Geophysics Ltd.
Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



Interpreted Resistivity (ohm−m)



Interpreted Chargeability (ms)



INDEX MAP: 2000N

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
Mapping Date: 16−Nov−2012

Colour Classifications:
Resistivity: Modified Log−Linear
Chargeability: Modified Linear

0 100 200 300 400
meters

Sookochoff Consultants Inc.

PC Project

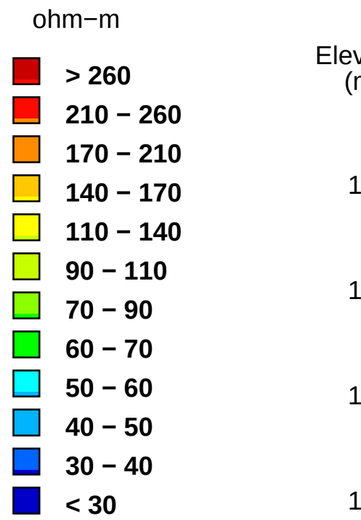
Merritt, B.C., Canada

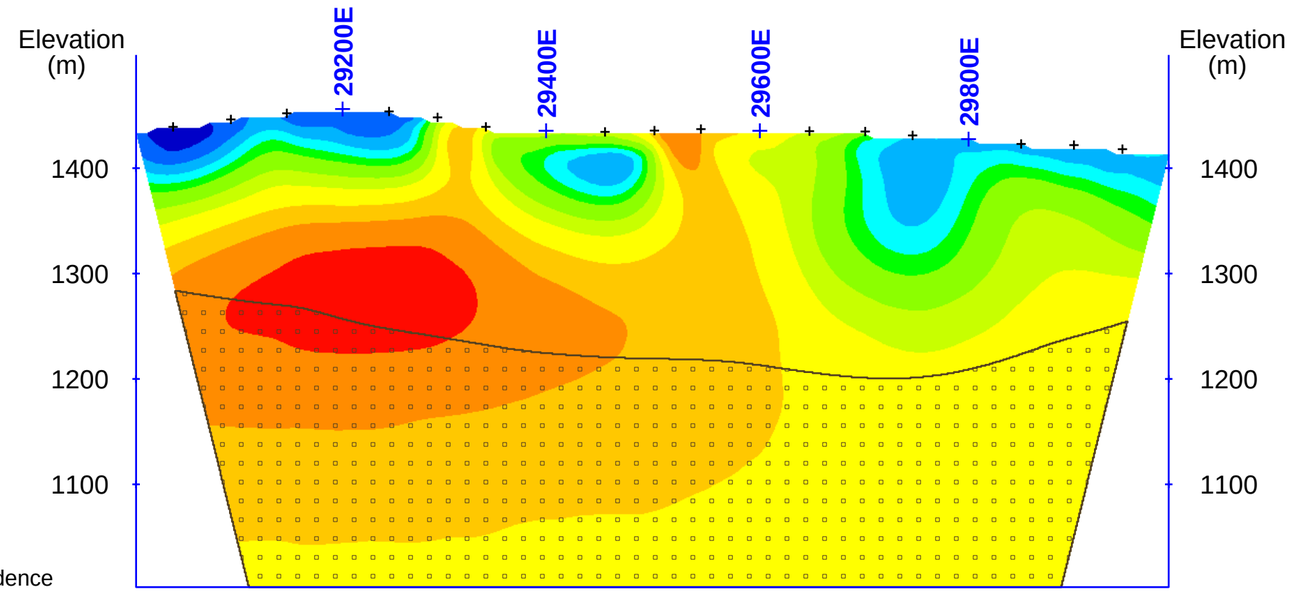
3D Inversion Models of Interpreted Resistivity & Chargeability

Cross Section Map

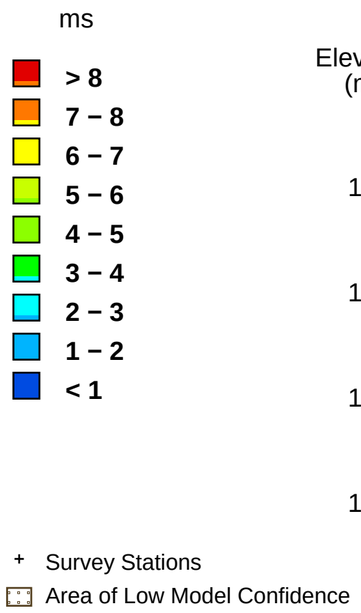
Section: 2000N

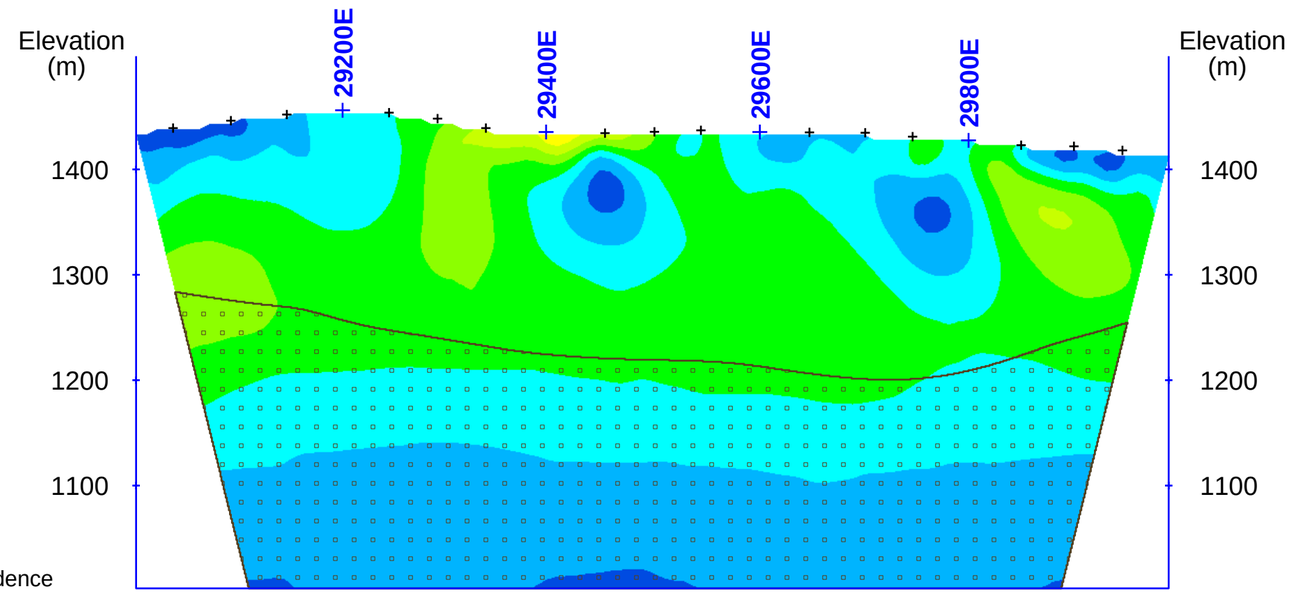
Geophysics Ltd.
Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



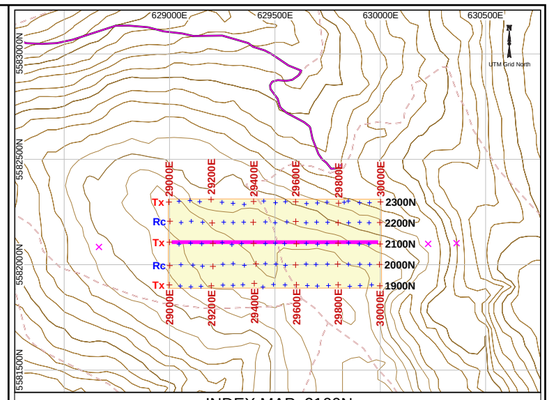


Interpreted Resistivity (ohm−m)





Interpreted Chargeability (ms)



INDEX MAP: 2100N

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
Mapping Date: 16−Nov−2012

Colour Classifications:
Resistivity: Modified Log−Linear
Chargeability: Modified Linear

0 100 200 300 400
meters

Sookochoff Consultants Inc.

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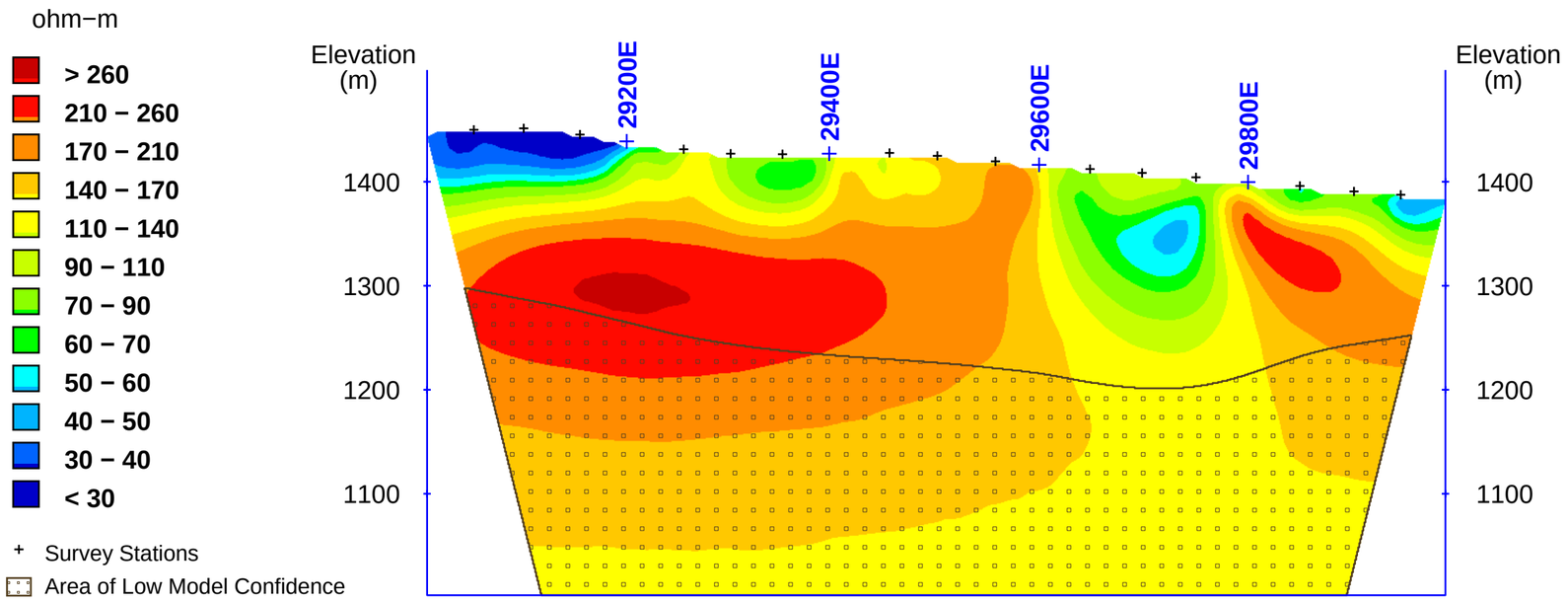
3D Inversion Models of Interpreted Resistivity & Chargeability

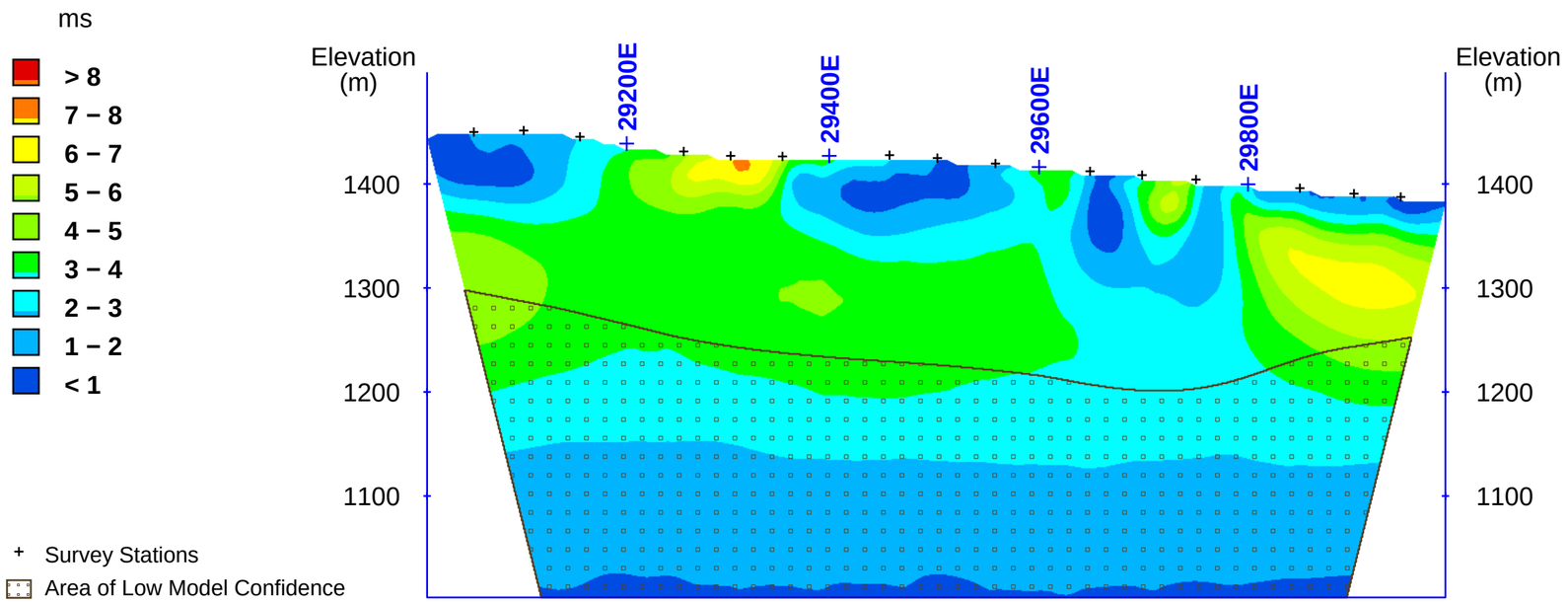
Cross Section Map

Section: 2100N

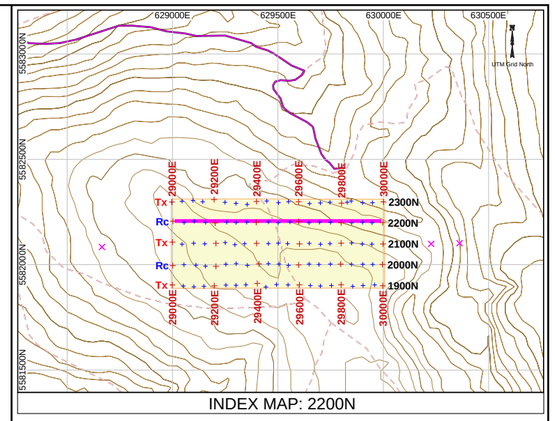
SJ Geophysics Ltd.
Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



Interpreted Resistivity (ohm−m)



Interpreted Chargeability (ms)



INDEX MAP: 2200N

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
Mapping Date: 16−Nov−2012

Colour Classifications:
Resistivity: Modified Log−Linear
Chargeability: Modified Linear

0 100 200 300 400
meters

Sookochoff Consultants Inc.

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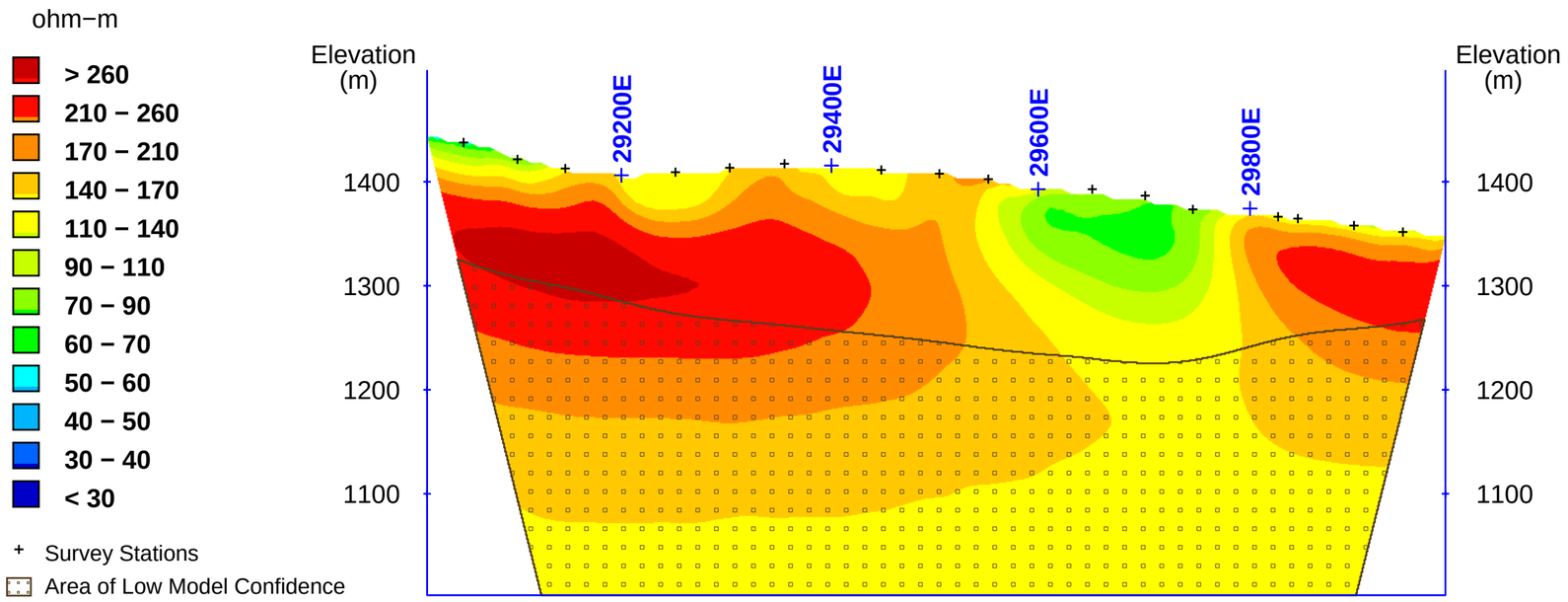
3D Inversion Models of Interpreted Resistivity & Chargeability

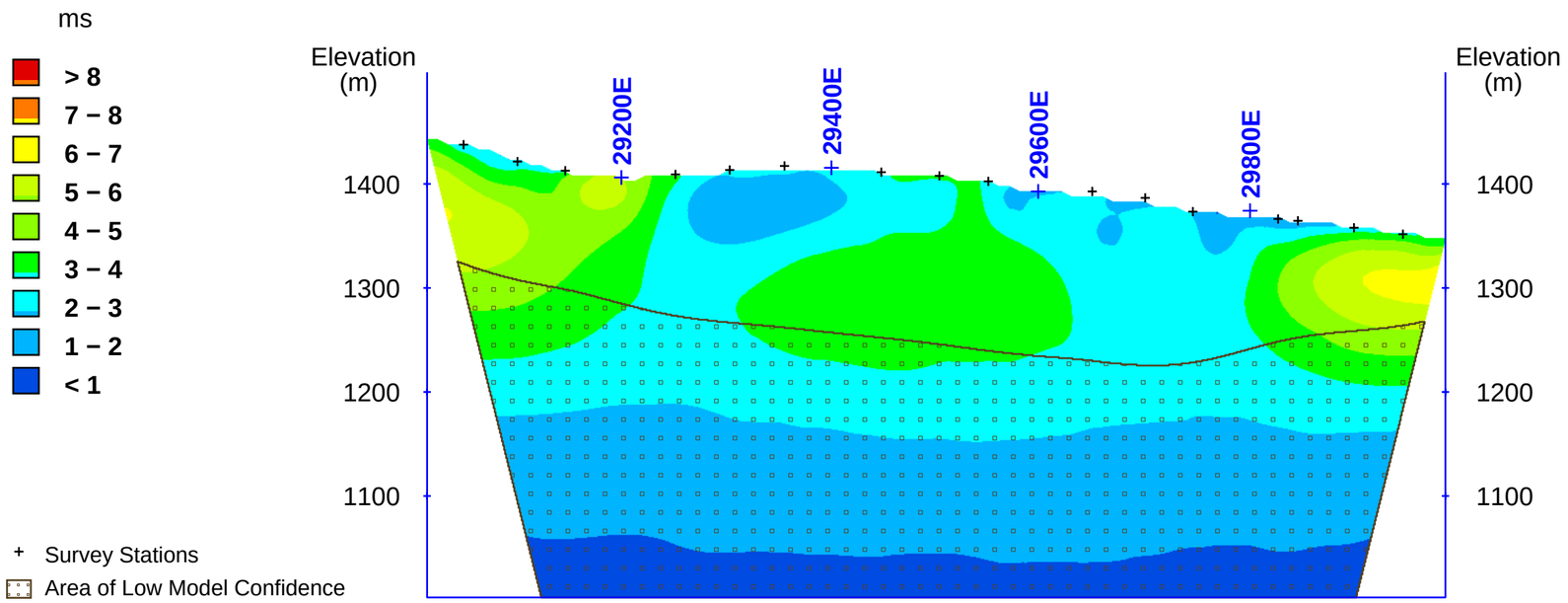
Cross Section Map

Section: 2200N

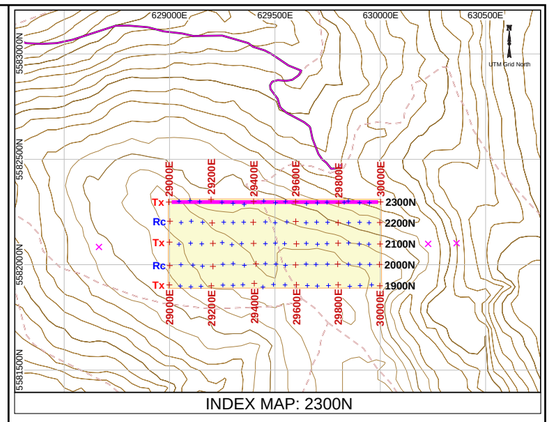
Geophysics Ltd.
Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com



Interpreted Resistivity (ohm−m)



Interpreted Chargeability (ms)



INDEX MAP: 2300N

Project Information:
Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: October, 2012

Instrumentation:
Receiver: SJ−24 Full−Waveform Digital IP Receiver
Transmitter: GDD TX II
Array Type: 3DIP−Offset Pole−Dipole

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
Mapping Date: 16−Nov−2012

Colour Classifications:
Resistivity: Modified Log−Linear
Chargeability: Modified Linear

0 100 200 300 400
meters

Sookochoff Consultants Inc.

PC Project

Merritt, B.C., Canada

3D Inversion Models of Interpreted Resistivity & Chargeability

Cross Section Map

Section: 2300N

Geophysics Ltd.
Mapping By : S.J.V. Consultants Ltd. 11966−95A Avenue, Delta, British Columbia, Canada V4C 3W2 (604) 582−1100 www.sjgeophysics.com

Appendix IV

VLF-EM & Magnetometer Field Data

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583000	628600	54930	10		0
5583000	628625	54129	-5		0
5583000	628650	54112	0	10	0
5583000	628675	54233	-5	-5	0
5583000	628700	54074	5	-15	0
5583000	628725	54025	5	-5	0
5583000	628750	54066	0	10	0
5583000	628775	54209	0	5	0
5583000	628800	54156	0	0	0
5583000	628825	54174	0	0	0
5583000	628850	54109	0	0	0
5583000	628875	54586	0	0	0
5583000	628900	54720	0	0	0
5583000	628925	54224	0	0	0
5583000	628950	54509	0	0	0
5583000	628975	54513	0	0	0
5583000	629000	54185	0	0	0
5583000	629025	54329	0	-10	0
5583000	629050	54465	10	-24	-5
5583000	629075	54960	14	-24	-12
5583000	629100	54690	20	-16	-10
5583000	629125	54435	20	-6	-15
5583000	629150	54272	20	-10	-15
5583000	629175	54148	30	-12	-15
5583000	629200	54723	22	15	-3
5583000	629225	54686	13	24	-10
5583000	629250	54253	15	20	0
5583000	629275	54601	0	7	0
5583000	629300	54447	21	-18	-9
5583000	629325	54545	12	9	5
5583000	629350	53963	0	28	0
5583000	629375	54483	5	-114	-2
5583000	629400	54532	121	-131	0
5583000	629425	54245	15	86	-7
5583000	629450	54640	25	106	-10
5583000	629475	54491	5	30	-7
5583000	629500	54859	5	4	-10
5583000	629525	54628	21	-36	0
5583000	629550	54323	25	-14	-5
5583000	629575	54639	15	31	0
5583000	629600	54789	0		0
5583100	628600	54142	0		0
5583100	628625	54268	0		0
5583100	628650	54019	10	25	0
5583100	628675	54281	-35	62	0
5583100	628700	54381	-17	-8	0
5583100	628725	54345	0	-52	0
5583100	628750	54145	0	-17	0
5583100	628775	54222	0	0	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583100	628800	54427	0	0	0
5583100	628825	54396	0	0	0
5583100	628850	54033	0	0	0
5583100	628875	54143	0	0	0
5583100	628900	54004	0	0	0
5583100	628925	54162	0	0	0
5583100	628950	54364	0	0	0
5583100	628975	53797	0	0	0
5583100	629000	54191	0	0	0
5583100	629025	54140	0	0	0
5583100	629050	54259	0	0	0
5583100	629075	53935	0	0	0
5583100	629100	54379	0	-25	0
5583100	629125	54416	25	-45	-40
5583100	629150	54699	20	-30	-40
5583100	629175	54615	35	-30	-40
5583100	629200	54545	40	-25	-35
5583100	629225	54512	40	-5	-40
5583100	629250	54499	40	30	-35
5583100	629275	54626	10	40	-40
5583100	629300	54742	30	-5	0
5583100	629325	54714	25	0	-35
5583100	629350	54412	15	10	-40
5583100	629375	54244	30	-325	40
5583100	629400	54390	335	-315	0
5583100	629425	54719	25	305	0
5583100	629450	54667	35	295	0
5583100	629475	54406	30	15	0
5583100	629500	54239	15	20	0
5583100	629525	54010	30	-15	40
5583100	629550	54908	30	-5	40
5583100	629575	54347	20	20	40
5583100	629600	54820	20		-40
5582800	628600	54337	-8		0
5582800	628625	54233	5		0
5582800	628650	54436	-12	16	0
5582800	628675	54017	-7	4	0
5582800	628700	53925	-4	-17	0
5582800	628725	53871	2	-29	0
5582800	628750	54448	16	-20	0
5582800	628775	54488	2	11	10
5582800	628800	54101	5	13	10
5582800	628825	54062	0	-13	0
5582800	628850	54112	20	-25	0
5582800	628875	53702	10	13	0
5582800	628900	53774	-3	47	0
5582800	628925	53523	-14	33	0
5582800	628950	54202	-12	5	0
5582800	628975	53490	-10	12	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582800	629000	54164	-28	8	0
5582800	629025	53897	-2	-32	0
5582800	629050	53880	-4	-26	0
5582800	629075	53882	0	-33	0
5582800	629100	54222	27	-27	0
5582800	629125	53843	-4	31	0
5582800	629150	53929	0	8	0
5582800	629175	53784	15	-19	0
5582800	629200	54230	0	19	0
5582800	629225	53673	-4	24	0
5582800	629250	53824	-5	6	0
5582800	629275	53836	-5	-4	0
5582800	629300	53926	0	-13	0
5582800	629325	53439	3	2	0
5582800	629350	54121	-10	13	10
5582800	629375	53659	0	-7	0
5582800	629400	54291	0	0	0
5582800	629425	53775	-10	18	0
5582800	629450	53571	-8	-20	0
5582800	629475	53947	18	-36	0
5582800	629500	53918	0		0
5582900	628600	53386	-5		0
5582900	628625	53524	0	5	0
5582900	628650	53904	-10	5	0
5582900	628675	53868	0	-10	0
5582900	628700	54014	0	-10	0
5582900	628725	54093	0	0	0
5582900	628750	54248	0	0	0
5582900	628775	53850	0	0	0
5582900	628800	53793	0	4	0
5582900	628825	53393	-4	7	0
5582900	628850	53961	-3	-16	0
5582900	628875	53889	15	-17	0
5582900	628900	53864	-5	21	0
5582900	628925	54010	-4	29	0
5582900	628950	54128	-15	1	0
5582900	628975	53748	5	-29	0
5582900	629000	53552	5	-17	0
5582900	629025	54980	2	6	0
5582900	629050	54418	2	5	0
5582900	629075	53774	0	0	0
5582900	629100	53933	4	-2	0
5582900	629125	53837	0	4	0
5582900	629150	53909	0	-6	0
5582900	629175	53618	10	-15	0
5582900	629200	54166	5	1	0
5582900	629225	53898	4	1	10
5582900	629250	54087	10	-3	8
5582900	629275	54079	2	18	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582900	629300	53094	-6	20	0
5582900	629325	53875	-2	13	0
5582900	629350	54216	-15	2	0
5582900	629375	54003	5	-24	0
5582900	629400	53913	2	-22	0
5582900	629425	54401	10	-18	0
5582900	629450	53618	15	11	0
5582900	629475	54295	-14	44	0
5582900	629500	3758	-5	9	0
5582900	629525	53862	-3	-14	0
5582900	629550	54271	-2	-16	0
5582900	629575	53725	10		0
5582600	629600	54076	-3		0
5582600	629575	53685	-4		0
5582600	629550	54207	6	-25	2
5582600	629525	54131	12	-16	0
5582600	629500	54068	6	6	4
5582600	629475	54115	6	2	0
5582600	629450	53763	10	-10	0
5582600	629425	53854	12	1	-40
5582600	629400	53887	3	14	0
5582600	629375	554420	5	0	0
5582600	629350	54054	10	-2	0
5582600	629325	53818	0	21	0
5582600	629300	53970	-6	14	0
5582600	629275	53578	2	-14	0
5582600	629250	53961	6	-12	0
5582600	629225	53938	2	6	0
5582600	629200	53836	0	0	0
5582600	629175	53842	8	-16	0
5582600	629150	53542	10	-7	0
5582600	629125	53906	5	16	0
5582600	629100	54350	-3	23	0
5582600	629075	53967	-5	19	0
5582600	629050	53866	-12	4	0
5582600	629025	53746	0	-17	0
5582600	629000	53525	0	-15	0
5582600	628975	54061	3	2	0
5582600	628950	53425	-5	12	0
5582600	628925	53198	-4	2	0
5582600	628900	53852	0	-7	0
5582600	628875	54220	-2	0	-10
5582600	628850	54709	-2	12	0
5582600	628825	54242	-12	23	0
5582600	628800	53804	-15	15	0
5582600	628775	54085	-14	-3	30
5582600	628750	54054	-10	-12	0
5582600	628725	54181	-7	-7	0
5582600	628700	53625	-10	-7	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582600	628675	53557	0	1	0
5582600	628650	53937	-18	24	0
5582700	628600	53846	-16		0
5582700	628625	54025	0		0
5582700	628650	53681	-10	-1	0
5582700	628675	54281	-5	0	0
5582700	628700	53913	-5	-15	0
5582700	628725	53999	5	-17	0
5582700	628750	53998	2	-12	0
5582700	628775	53877	10	-13	0
5582700	628800	54147	10	7	0
5582700	628825	53890	-5	35	0
5582700	628850	54013	-10	20	0
5582700	628875	53384	-5	-6	0
5582700	628900	53577	-4	5	0
5582700	628925	53960	-16	5	0
5582700	628950	53858	2	-17	0
5582700	628975	53860	-5	-9	0
5582700	629000	54069	0	-3	0
5582700	629025	54022	0	3	0
5582700	629050	53375	-8	8	0
5582700	629075	54309	0	0	0
5582700	629100	54082	-8	6	0
5582700	629125	54354	-6	3	0
5582700	629150	53459	-5	-4	0
5582700	629175	53942	-5	9	0
5582700	629200	53476	-15	11	0
5582700	629225	54004	-6	-24	0
5582700	629250	53932	10	-28	10
5582700	629275	53689	-3	15	0
5582700	629300	53773	-8	19	0
5582700	629325	54093	-4	5	0
5582700	629350	53670	-12	0	0
5582700	629375	53656	0	-11	0
5582700	629400	53975	-5	3	-40
5582700	629425	54385	-10	13	0
5582700	629450	54416	-8	-9	0
5582700	629475	53897	2	-12	0
5582700	629500	54126	-8	2	0
5582700	629525	53840	0	-16	0
5582700	629550	53426	10	-8	0
5582700	629575	54108	-10	5	0
5581700	629600	53465	15		0
5581700	629575	53891	-14		0
5581700	629550	53507	-4	20	0
5581700	629525	53692	-15	11	0
5581700	629500	53764	-14	10	0
5581700	629475	53787	-15	-16	0
5581700	629450	53800	2	-31	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5581700	629425	53881	0	-13	0
5581700	629400	53971	0	14	0
5581700	629375	53579	-12	17	0
5581700	629350	53740	-5	3	0
5581700	629325	54288	-10	-2	0
5581700	629300	53856	-5	10	0
5581700	629275	53451	-20	27	0
5581700	629250	53587	-22	12	0
5581700	629225	53747	-15	-19	0
5581700	629200	53814	-8	-24	0
5581700	629175	53637	-5	-6	0
5581700	629150	53873	-12	-1	0
5581700	629125	53496	0	-5	0
5581700	629100	53517	-12	5	0
5581700	629075	53660	-5	-2	0
5581700	629050	54109	-5	-28	0
5581700	629025	53788	16	-10	0
5581700	629000	53651	-16	37	0
5581700	628975	54017	-10	24	0
5581700	628950	53893	-14	-2	0
5581700	628925	53975	-10	-2	0
5581700	628900	53740	-12	3	0
5581700	628875	53594	-15	1	0
5581700	628850	53735	-8	-9	0
5581700	628825	53721	-10	-3	0
5581700	628800	53755	-10		0
5581800	629600	53454	-5		0
5581800	629575	53908	-4		0
5581800	629550	54102	5	-29	0
5581800	629525	53439	15	95	0
5581800	629500	53528	-109	134	0
5581800	629475	53436	-5	-84	0
5581800	629450	54158	-5	-109	0
5581800	629425	53396	0	-10	0
5581800	629400	53396	0	5	0
5581800	629375	53723	-10	15	0
5581800	629350	54184	-5	-5	0
5581800	629325	53849	0	-5	0
5581800	629300	53806	-10	10	0
5581800	629275	53847	-5	10	0
5581800	629250	53922	-15	0	0
5581800	629225	54244	0	-15	0
5581800	629200	53327	-5	-8	0
5581800	629175	53712	-2	-3	0
5581800	629150	53762	0	-2	0
5581800	629125	53924	-5	18	0
5581800	629100	53542	-15	25	0
5581800	629075	53486	-15	0	0
5581800	629050	53497	-5	-25	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5581800	629025	53931	0	-7	0
5581800	629000	53439	-13	18	0
5581800	628975	53573	-10	11	0
5581800	628950	53646	-14	1	0
5581800	628925	53978	-10	-2	0
5581800	628900	53580	-12	-12	0
5581800	628875	53590	0	-17	0
5581800	628850	53368	-5	-2	0
5581800	628825	53555	-5	9	0
5581800	628800	53785	-9	1	0
5581800	628775	53521	-2		0
5581900	629600	53901	-4		0
5581900	629575	53887	-10		0
5581900	629550	54023	-4	4	0
5581900	629525	54233	-14	5	0
5581900	629500	53988	-5	-13	0
5581900	629475	53913	0	-27	0
5581900	629450	54037	8	-11	0
5581900	629425	53948	-2	8	0
5581900	629400	54094	2	0	0
5581900	629375	54073	4	11	0
5581900	629350	53960	-15	21	0
5581900	629325	54192	0	5	0
5581900	629300	54260	-16	-4	0
5581900	629275	53877	5	-16	0
5581900	629250	53528	-5	6	0
5581900	629225	54014	-12	12	0
5581900	629200	53810	0	-2	0
5581900	629175	54005	-15	7	0
5581900	629150	54222	-4	-11	0
5581900	629125	53918	0	-19	0
5581900	629100	53646	0	6	0
5581900	629075	54174	-10	55	0
5581900	629050	54551	-45	40	0
5581900	629025	53545	-5	-35	0
5581900	629000	53849	-15	-30	0
5581900	628975	54098	-5	-10	0
5581900	628950	54386	-5	3	0
5581900	628925	53997	-18	8	0
5581900	628900	53877	0	-9	0
5581900	628875	54420	-14	6	0
5581900	628850	53900	-10	9	0
5581900	628825	53783	-13	-7	0
5581900	628800	53998	-4	-7	0
5581900	628775	53881	-12		0
5582000	629600	53844	0		0
5582000	629575	53668	0		0
5582000	629550	53806	0	0	0
5582000	629525	53645	0	14	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582000	629500	53909	-14	14	0
5582000	629475	53721	0	-14	0
5582000	629450	54032	0	-12	0
5582000	629425	53992	-2	-11	0
5582000	629400	53811	13	-30	0
5582000	629375	54167	15	-4	0
5582000	629350	53760	0	28	0
5582000	629325	53571	0	17	0
5582000	629300	53694	-2	7	0
5582000	629275	54158	-5	8	0
5582000	629250	53501	-5	8	0
5582000	629225	53869	-10	5	0
5582000	629200	53848	-5	-5	0
5582000	629175	54494	-5	0	0
5582000	629150	53715	-10	5	0
5582000	629125	53954	-5	2	0
5582000	629100	54090	-12	2	0
5582000	629075	53993	-5	-12	0
5582000	629050	53647	0	-9	0
5582000	629025	53775	-8	10	0
5582000	629000	54093	-7	12	0
5582000	628975	54178	-13	8	0
5582000	628950	54302	-10	-10	0
5582000	628925	53701	0	-18	0
5582000	628900	53929	-5	0	0
5582000	628875	53451	-5	7	0
5582000	628850	54349	-7	2	0
5582000	628825	54022	-5	3	0
5582000	628800	53327	-10	8	0
5582000	628775	53884	-10	-1	0
5582000	628750	53732	-4	-11	0
5582000	628725	53881	-5		0
5582100	629600	53162	-5		0
5582100	629575	54176	-10		0
5582100	629550	54150	-16	1	0
5582100	629525	53816	0	-21	0
5582100	629500	53951	-5	-11	0
5582100	629475	53870	0	0	0
5582100	629450	54327	-5	5	0
5582100	629425	53809	-5	5	0
5582100	629400	54207	-5	0	0
5582100	629375	54032	-5	-11	0
5582100	629350	54126	6	-16	0
5582100	629325	53965	0	1	0
5582100	629300	53838	0	6	0
5582100	629275	54421	0	5	0
5582100	629250	53672	-5	17	0
5582100	629225	54234	-12	17	0
5582100	629200	54142	-10	3	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582100	629175	53289	-10	3	0
5582100	629150	53928	-15	5	0
5582100	629125	53797	-10	9	0
5582100	629100	54186	-24	4	0
5582100	629075	53534	-5	-19	0
5582100	629050	53917	-10	-19	0
5582100	629025	54075	0	-11	0
5582100	629000	53666	-4	22	0
5582100	628975	53671	-28	41	0
5582100	628950	54019	-17	-10	0
5582100	628925	54131	-5	-30	0
5582100	628900	53773	-10	2	0
5582100	628875	53840	-14	-1	0
5582100	628850	54071	0	-19	0
5582100	628825	53705	-5	16	0
5582100	628800	53959	-25	40	0
5582100	628775	54155	-20	0	0
5582100	628750	53693	-10	-35	0
5582100	628725	53719	0	-30	0
5582100	628700	53874	0		0
5582200	629600	53730	-15		0
5582200	629575	53741	-10		0
5582200	629550	53746	-6	-19	0
5582200	629525	53637	0	-11	0
5582200	629500	53943	-5	13	0
5582200	629475	53725	-14	19	0
5582200	629450	53832	-10	1	0
5582200	629425	53415	-10	-2	0
5582200	629400	53603	-12	-8	0
5582200	629375	53820	0	-12	0
5582200	629350	53377	-10	16	0
5582200	629325	53809	-18	8	0
5582200	629300	53903	0	-28	0
5582200	629275	53687	0	-18	0
5582200	629250	53881	0	-15	0
5582200	629225	54049	15	-10	0
5582200	629200	53793	-5	20	0
5582200	629175	54057	0	10	0
5582200	629150	53405	0	3	0
5582200	629125	53767	-8	8	0
5582200	629100	53802	0	-6	0
5582200	629075	53519	-2	9	0
5582200	629050	53731	-15	23	0
5582200	629025	54125	-10	1	0
5582200	629000	53823	-8	-7	0
5582200	628975	54020	-10	6	0
5582200	628950	53663	-14	10	0
5582200	628925	53566	-14	6	0
5582200	628900	53583	-16	3	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582200	628875	53724	-15	9	0
5582200	628850	53787	-24	-2	0
5582200	628825	53779	-5	-29	0
5582200	628800	53701	-5	-9	0
5582200	628775	53592	-15	23	0
5582200	628750	53857	-18	-2	0
5582200	628725	53789	0	-10	0
5582200	628700	53538	-23	15	0
5582200	628675	53776	-10		0
5582300	629600	54281	6		0
5582300	629575	53969	8		0
5582300	629550	54065	9	5	0
5582300	629525	54223	0	20	0
5582300	629500	53765	-3	8	0
5582300	629475	53885	4	-17	0
5582300	629450	54032	10	-9	0
5582300	629425	54032	0	14	0
5582300	629400	54387	0	0	0
5582300	629375	53621	10	-2	0
5582300	629350	54268	-8	23	0
5582300	629325	54286	-5	9	0
5582300	629300	54056	-2	-11	0
5582300	629275	53931	0	-2	0
5582300	629250	53639	-5	9	0
5582300	629225	54313	-6	13	0
5582300	629200	54054	-12	5	0
5582300	629175	53740	-4	-24	0
5582300	629150	53759	10	-26	0
5582300	629125	54133	0	-4	0
5582300	629100	53637	10	-2	0
5582300	629075	54374	2	8	0
5582300	629050	54448	0	17	0
5582300	629025	53821	-5	4	0
5582300	629000	54030	3	0	0
5582300	628975	54061	-8	16	0
5582300	628950	54106	-10	15	0
5582300	628925	54283	-10	-3	0
5582300	628900	53967	-5	-4	0
5582300	628875	54034	-11	1	0
5582300	628850	54100	-5	-6	0
5582300	628825	54094	-5	-7	0
5582300	628800	53684	-4	2	0
5582300	628775	54202	-8	9	0
5582300	628750	54213	-10	18	0
5582300	628725	54425	-20	10	0
5582300	628700	54271	-8	-4	0
5582300	628675	54014	-18	0	0
5582300	628650	54078	-10		0
5582400	629600	54087	0		0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582400	629575	53818	0		0
5582400	629550	54189	-2	-3	0
5582400	629525	54097	5	-7	0
5582400	629500	53821	0	-9	0
5582400	629475	53878	12	3	0
5582400	629450	53903	-10	17	0
5582400	629425	54183	5	-3	0
5582400	629400	53727	0	-2	0
5582400	629375	53970	-3	13	0
5582400	629350	53770	-5	-8	0
5582400	629325	53900	10	-18	0
5582400	629300	54156	0	0	0
5582400	629275	53730	5	7	0
5582400	629250	54039	-2	12	0
5582400	629225	53559	-5	13	0
5582400	629200	53896	-5	0	0
5582400	629175	54120	-2	-10	0
5582400	629150	53773	2	-14	0
5582400	629125	54154	5	-15	0
5582400	629100	53999	10	-3	0
5582400	629075	539891	0	3	0
5582400	629050	53731	12	3	0
5582400	629025	54029	-5	0	0
5582400	629000	53781	17	-28	0
5582400	628975	53304	18	-6	0
5582400	628950	53759	0	15	0
5582400	628925	53956	20	-7	0
5582400	628900	53932	5	20	0
5582400	628875	54218	-5	40	0
5582400	628850	53997	-10	10	0
5582400	628825	53358	0	-15	0
5582400	628800	53463	0	-15	0
5582400	628775	53464	5	5	0
5582400	628750	54344	-10	40	0
5582400	628725	53677	-25	34	0
5582400	628700	53901	-14	-9	0
5582400	628675	54172	-12	-17	0
5582400	628650	54295	-10	-8	0
5582400	628625	54565	-8		0
5582500	629600	53771	5		0
5582500	629575	53610	2		0
5582500	629550	53933	-5	7	0
5582500	629525	54039	5	-14	0
5582500	629500	53977	6	-11	0
5582500	629475	54190	5	1	0
5582500	629450	53801	5	6	0
5582500	629425	53987	0	10	0
5582500	629400	54053	0	-6	0
5582500	629375	54065	11	-11	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582500	629350	53906	0	11	0
5582500	629325	53808	0	1	0
5582500	629300	54187	10	-16	0
5582500	629275	54049	6	2	0
5582500	629250	53725	2	14	0
5582500	629225	53784	0	8	0
5582500	629200	53828	0	-2	0
5582500	629175	53661	4	-12	0
5582500	629150	53719	8	-7	0
5582500	629125	54232	3	9	0
5582500	629100	54877	0	6	0
5582500	629075	54107	5	6	0
5582500	629050	53882	-8	8	0
5582500	629025	54112	5	-8	0
5582500	629000	53793	0	-6	0
5582500	628975	53794	3	-3	0
5582500	628950	53708	5	1	0
5582500	628925	53883	-3	1	0
5582500	628900	53861	10	-8	0
5582500	628875	53731	0	9	0
5582500	628850	54143	-2	12	0
5582500	628825	53817	0	8	0
5582500	628800	54721	-10	18	0
5582500	628775	54213	-10	20	0
5582500	628750	53767	-20	18	0
5582500	628725	54100	-18	-2	0
5582500	628700	53991	-10	-18	0
5582500	628675	53722	-10	-18	0
5582500	628650	53945	0	-15	0
5582500	628625	54071	-5		0
5581900	629600	54601	0		0
5581900	629625	54667	5		40
5581900	629650	54382	0	15	0
5581900	629675	54491	-10	35	0
5581900	629700	54333	-20	10	0
5581900	629725	54211	0	-30	0
5581900	629750	54762	0	-40	0
5581900	629775	54675	20	-35	40
5581900	629800	54662	15	5	40
5581900	629825	54485	0	35	0
5581900	629850	54578	0	15	0
5581900	629875	54301	0	-35	0
5581900	629900	54290	35	-35	0
5581900	629925	54558	0	70	0
5581900	629950	54338	-35	70	0
5581900	629975	54387	0	-35	0
5581900	630000	54208	0	-35	0
5581900	630025	54532	0	15	0
5581900	630050	54418	-15	50	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5581900	630075	54384	-35	50	0
5581900	630100	54658	-30	-20	40
5581900	630125	54310	0	-65	0
5581900	630150	54635	0	-30	0
5581900	630175	54292	0	0	0
5581900	630200	54380	0	-20	0
5581900	630225	54568	20	-20	40
5581900	630250	54468	0	-5	40
5581900	630275	54290	25	-35	0
5581900	630300	54195	30	-20	40
5581900	630325	54390	15	40	0
5581900	630350	54285	0	45	0
5581900	630375	54493	0	15	0
5581900	630400	54597	0	0	0
5581900	630425	54485	0	0	0
5581900	630450	54296	0	-25	0
5581900	630475	54271	25	-50	40
5581900	630500	54260	25	0	0
5581900	630525	54346	0	55	40
5581900	630550	54313	-5	40	40
5581900	630575	54724	-10		30
5581800	630600	54540	-10		40
5581800	630575	54606	0		40
5581800	630550	54015	0	0	0
5581800	630525	54516	-10	10	40
5581800	630500	54186	0	-10	0
5581800	630475	54456	0	-10	0
5581800	630450	54060	0	0	0
5581800	630425	54406	0	0	40
5581800	630400	54557	0	0	0
5581800	630375	54331	0	25	40
5581800	630350	54484	-25	50	0
5581800	630325	54457	-25	15	0
5581800	630300	54893	-15	-35	0
5581800	630275	54671	0	-40	0
5581800	630250	54684	0	-15	0
5581800	630225	54607	0	0	0
5581800	630200	54239	0	-10	0
5581800	630175	54393	10	15	40
5581800	630150	54601	-25	35	0
5581800	630125	54789	0	-15	0
5581800	630100	54615	0	-25	0
5581800	630075	54517	0	-10	0
5581800	630050	54181	10	-10	40
5581800	630025	54520	0	10	40
5581800	630000	54362	0	15	40
5581800	629975	54683	-5	-10	40
5581800	629950	54424	15	-20	40
5581800	629925	54795	0	10	40

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5581800	629900	54569	0	15	40
5581800	629875	54806	0	0	40
5581800	629850	54662	0	0	40
5581800	629825	54628	0	25	0
5581800	629800	54517	-25	-5	0
5581800	629775	54769	30	-80	40
5581800	629750	54349	25	-20	40
5581800	629725	54559	0	55	0
5581800	629700	54297	0	30	40
5581800	629675	54564	-5	5	40
5581800	629650	54390	0	-5	0
5581800	629625	54288	0		0
5582800	629600	54026	-15		0
5582800	629625	54380	-8		0
5582800	629650	54332	-14	1	0
5582800	629675	53994	-10	0	0
5582800	629700	54208	-12	3	0
5582800	629725	54060	-15	3	0
5582800	629750	54105	-10	-7	0
5582800	629775	53793	-10	-7	0
5582800	629800	53681	-8	-7	0
5582800	629825	54147	-5	-8	0
5582800	629850	53902	-5	7	0
5582800	629875	54359	-15	10	0
5582800	629900	54249	-5	5	0
5582800	629925	54147	-20	15	0
5582800	629950	53960	-15	2	0
5582800	629975	53784	-12	-13	0
5582800	630000	54151	-10	-9	0
5582800	630025	53965	-8	-4	0
5582800	630050	54061	-10	-3	0
5582800	630075	53964	-5	-3	0
5582800	630100	53740	-10	5	0
5582800	630125	54168	-10	9	0
5582800	630150	54067	-14	-1	0
5582800	630175	54369	-5	-9	0
5582800	630200	54079	-10	-9	0
5582800	630225	54263	0	-10	0
5582800	630250	54147	-5	-9	0
5582800	630275	54264	4	4	0
5582800	630300	54266	-13	22	0
5582800	630325	54309	-10	21	0
5582800	630350	53817	-20	27	0
5582800	630375	54330	-30	40	0
5582800	630400	54275	-40	25	0
5582800	630425	54385	-35	-23	0
5582800	630450	54153	-12	-58	0
5582800	630475	53814	-5	-27	0
5582800	630500	54028	-15	16	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582800	630525	54069	-18	20	-10
5582800	630550	54333	-22	4	0
5582800	630575	54387	-15		0
5582700	629600	53961	-2		0
5582700	629625	53744	-10	7	0
5582700	629650	54134	-14	10	0
5582700	629675	54008	-8	-11	0
5582700	629700	54180	-5	-17	0
5582700	629725	54301	0	-13	0
5582700	629750	53908	0	-5	0
5582700	629775	54224	0	12	0
5582700	629800	54487	-12	22	0
5582700	629825	54180	-10	3	0
5582700	629850	54678	-5	-17	0
5582700	629875	54339	0	-15	0
5582700	629900	54115	0	-5	0
5582700	629925	54178	0	0	0
5582700	629950	54316	0	0	0
5582700	629975	54191	0	12	0
5582700	630000	53947	-12	37	0
5582700	630025	54123	-25	25	0
5582700	630050	53954	-12	5	0
5582700	630075	54583	-30	17	0
5582700	630100	54214	-24	-4	0
5582700	630125	54279	-14	-28	0
5582700	630150	53824	-12	-21	0
5582700	630175	54421	-5	-3	0
5582700	630200	54348	-18	7	0
5582700	630225	54017	-6	-7	0
5582700	630250	53908	-10	-4	0
5582700	630275	54185	-10	10	0
5582700	630300	54316	-16	10	0
5582700	630325	53725	-14	-2	0
5582700	630350	54265	-10	-8	0
5582700	630375	54086	-12	3	0
5582700	630400	53726	-15	8	0
5582700	630425	53815	-15	2	0
5582700	630450	54226	-14	2	0
5582700	630475	53891	-18	4	0
5582700	630500	54092	-15	-17	0
5582700	630525	54045	0	-23	0
5582700	630550	54184	-10		0
5583300	629600	54003	0		0
5583300	629575	53810	5		-40
5583300	629550	54232	25	-50	0
5583300	629525	54007	30	-25	0
5583300	629500	54197	25	0	-40
5583300	629475	54463	30	25	0
5583300	629450	23942	0	45	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583300	629425	54096	10	-5	40
5583300	629400	54456	25	-45	40
5583300	629375	54566	30	-20	40
5583300	629350	54377	25	5	0
5583300	629325	54285	25	10	40
5583300	629300	54072	20	5	0
5583300	629275	54328	25	20	0
5583300	629250	54196	0	15	0
5583300	629225	54598	30	-15	40
5583300	629200	54241	10	-5	40
5583300	629175	54240	25	15	40
5583300	629150	54554	0	10	40
5583300	629125	54412	25	0	40
5583300	629100	53967	0	25	40
5583300	629075	54212	0	25	40
5583300	629050	54424	0	0	40
5583300	629025	54053	0	-40	40
5583300	629000	54441	40	-40	0
5583300	628975	54105	0	30	40
5583300	628950	54396	10	5	40
5583300	628925	54183	25	-45	0
5583300	628900	54508	30	-5	40
5583300	628875	54706	10	45	40
5583300	628850	54097	0	40	40
5583300	628825	54647	0	10	0
5583300	628800	54581	0	0	40
5583300	628775	54267	0	-15	40
5583300	628750	54447	15	-15	0
5583300	628725	54392	0	-5	40
5583300	628700	54310	20	-25	40
5583300	628675	54665	20	-20	0
5583300	628650	54316	20	20	40
5583300	628625	54516	0	20	0
5583300	628600	54065	20		40
5583200	628600	54661	0		0
5583200	629575	54473	10	#REF!	-35
5583200	629550	54530	30	#REF!	-40
5583200	629525	54584	0	40	40
5583200	629500	54429	0	5	-40
5583200	629475	54324	25	-55	40
5583200	629450	54399	30	-40	-40
5583200	629425	54469	35	-10	40
5583200	629400	54158	30	10	40
5583200	629375	54121	25	15	40
5583200	629350	54542	25	10	-40
5583200	629325	54573	20	10	40
5583200	629300	54548	20	25	40
5583200	629275	54584	0	40	40
5583200	629250	54406	0	-20	-40

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583200	629225	54431	40	-75	40
5583200	629200	54420	35	-30	-40
5583200	629175	54454	35	40	-35
5583200	629150	54560	0	70	-40
5583200	629125	54550	0	35	-40
5583200	629100	54401	0	-25	-40
5583200	629075	54529	25	-55	40
5583200	629050	54632	30	-35	0
5583200	629025	54496	30	15	0
5583200	629000	54219	10	25	40
5583200	628975	54596	25	15	40
5583200	628950	54623	0	0	40
5583200	628925	54781	35	-45	40
5583200	628900	54173	35	-20	-40
5583200	628875	54775	20	50	-40
5583200	628850	54515	0	30	-40
5583200	628825	54611	25	-20	-40
5583200	628800	54569	15	-5	40
5583200	628775	54784	15	0	-40
5583200	628750	54180	25	-10	0
5583200	628725	54621	15	0	0
5583200	628700	54783	25		0
5581500	629600	53881	-15		0
5581500	629625	53819	-15		0
5581500	629650	54703	-12	-6	0
5581500	629675	54147	-12	-15	0
5581500	629700	54137	0	-12	0
5581500	629725	54281	-12	13	0
5581500	629750	53971	-13	6	0
5581500	629775	54236	-5	-14	0
5581500	629800	54081	-6	-12	0
5581500	629825	54103	0	-13	0
5581500	629850	54256	2	-8	0
5581500	629875	54238	0	-1	0
5581500	629900	54186	3	-1	0
5581500	629925	54155	0	-7	0
5581500	629950	53837	10	-12	0
5581500	629975	53157	5	-5	0
5581500	630000	53646	10	-7	0
5581500	630025	53785	12	-21	0
5581500	630050	53801	24	-37	0
5581500	630075	54179	35	-24	10
5581500	630100	54023	25	16	10
5581500	630125	54405	18	27	0
5581500	630150	54212	15	16	0
5581500	630175	53650	12	7	0
5581500	630200	54160	14	8	0
5581500	630225	53755	5	21	0
5581500	630250	54073	0	16	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5581500	630275	54031	3	-3	0
5581500	630300	53806	5	-7	0
5581500	630325	53813	5	-1	0
5581500	630350	53765	4	8	0
5581500	630375	53811	-2	16	0
5581500	630400	54085	-5	12	0
5581500	630425	53927	-5	13	0
5581500	630450	53835	-15	21	0
5581500	630475	53630	-16	20	0
5581500	630500	53773	-24	7	0
5581500	630525	54031	-14	-26	-10
5581500	630550	53777	0	-33	0
5581500	630575	53974	-5	-4	0
5581500	630600	53854	-5		0
5581400	629600	54076	-5		0
5581400	629625	54251	-15		0
5581400	629650	53782	-5	-10	0
5581400	629675	54092	-5	-15	0
5581400	629700	53888	0	-10	0
5581400	629725	54034	0	-3	0
5581400	629750	53867	-2	16	0
5581400	629775	53759	-14	28	0
5581400	629800	53987	-16	10	0
5581400	629825	54098	-10	-4	0
5581400	629850	53950	-16	-2	0
5581400	629875	54188	-8	-18	0
5581400	629900	54244	0	-28	0
5581400	629925	54268	4	-12	0
5581400	629950	54104	0	-2	0
5581400	629975	53582	6	-2	0
5581400	630000	53782	0	6	0
5581400	630025	54255	0	-8	0
5581400	630050	54020	14	-14	0
5581400	630075	53915	0	-6	0
5581400	630100	54303	20	-31	0
5581400	630125	53804	25	-22	0
5581400	630150	53911	17	8	0
5581400	630175	54067	20	2	0
5581400	630200	54378	20	17	0
5581400	630225	54133	0	30	0
5581400	630250	53853	10	2	0
5581400	630275	53898	8	-2	0
5581400	630300	54239	4	12	0
5581400	630325	53619	2	-2	0
5581400	630350	53701	12	-16	0
5581400	630375	54066	10	10	0
5581400	630400	54258	-6	34	0
5581400	630425	54250	-6	20	0
5581400	630450	54192	-10	-2	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5581400	630475	54088	0	-16	0
5581400	630500	53749	0	-5	0
5581400	630525	53779	-5	10	0
5581400	630550	53781	-5	2	0
5581400	630575	54292	-2	-3	0
5581400	630600	54023	-5		0
5582300	630600	54422	0		40
5582300	630575	54021	0		40
5582300	630550	54153	0	0	40
5582300	630525	54380	0	0	40
5582300	630500	54212	0	-10	0
5582300	630475	54553	10	-10	40
5582300	630450	54442	0	10	0
5582300	630425	54239	0	-15	0
5582300	630400	54715	25	-50	40
5582300	630375	54686	25	-20	-40
5582300	630350	54336	20	10	40
5582300	630325	54307	20	25	40
5582300	630300	54583	0	40	0
5582300	630275	54688	0	20	0
5582300	630250	54153	0	0	0
5582300	630225	54794	0	0	0
5582300	630200	54611	0	0	0
5582300	630175	54512	0	0	0
5582300	630150	54649	0	0	0
5582300	630125	54385	0	0	0
5582300	630100	54197	0	0	0
5582300	630075	54491	0	-25	0
5582300	630050	54302	25	-25	40
5582300	630025	54340	0	25	0
5582300	630000	54251	0	0	0
5582300	629975	54478	25	-45	40
5582300	629950	54535	20	-10	40
5582300	629925	54682	15	10	40
5582300	629900	54294	20	-5	0
5582300	629875	54693	20	-10	40
5582300	629850	54404	25	0	-40
5582300	629825	54468	15	15	-40
5582300	629800	54426	15	5	-40
5582300	629775	54351	20	10	-40
5582300	629750	54171	0	35	0
5582300	629725	54437	0	-5	40
5582300	629700	54543	25	-55	0
5582300	629675	54383	30	-20	40
5582300	629650	54457	15	20	40
5582300	629625	54276	20		40
5581600	629600	53872	0		0
5581600	629625	54158	0		0
5581600	629650	54082	0	0	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5581600	629675	53789	0	10	0
5581600	629700	54222	-10	18	0
5581600	629725	54320	-8	8	0
5581600	629750	53902	-10	4	0
5581600	629775	54834	-12	-2	0
5581600	629800	53880	-4	-18	0
5581600	629825	54034	0	-6	0
5581600	629850	54079	-10	1	0
5581600	629875	53908	5	-20	0
5581600	629900	53910	5	-30	0
5581600	629925	53970	20	-40	0
5581600	629950	54204	30	-45	0
5581600	629975	54440	40	-15	0
5581600	630000	54079	25	25	0
5581600	630025	54106	20	25	0
5581600	630050	54262	20	5	0
5581600	630075	54425	20	0	0
5581600	630100	53887	20	-5	0
5581600	630125	54437	25	-5	0
5581600	630150	54303	20	5	0
5581600	630175	54047	20	15	0
5581600	630200	54302	10	30	0
5581600	630225			30	0
5581600	630250	54222	0	10	0
5581600	630275	53616	0	15	0
5581600	630300	54112	-15	40	0
5581600	630325	54796	-25	10	0
5581600	630350	53938	0	-40	0
5581600	630375	54069	0	-25	0
5581600	630400	54386	0	0	0
5581600	630425	54267	0	0	0
5581600	630450	53947	0	0	0
5581600	630475	54135	0	0	0
5581600	630500	54116	0	0	0
5581600	630525	54469	0	0	0
5581600	630550	53995	0	-35	0
5581600	630575	54162	35	-75	0
5581600	630600	54033	40		0
5581700	630600	54095	0		0
5581700	630575	53913	-5		0
5581700	630550	54156	-2	-1	0
5581700	630525	54291	-2	-5	0
5581700	630500	54008	0	-4	0
5581700	630475	53863	0	-2	0
5581700	630450	53820	0	0	0
5581700	630425	54081	0	0	0
5581700	630400	54047	0	0	0
5581700	630375	54432	0	0	0
5581700	630350	54002	0	0	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5581700	630325	53873	0	0	0
5581700	630300	54156	0	0	0
5581700	630275	53986	0	0	0
5581700	630250	54184	0	0	0
5581700	630225	54351	0	0	0
5581700	630200	54096	0	-20	0
5581700	630175	54073	20	-20	0
5581700	630150	54217	0	20	0
5581700	630125	54154	0	20	0
5581700	630100	54096	0	-5	0
5581700	630075	54328	5	-5	0
5581700	630050	54105	0	5	0
5581700	630025	53725	0	5	0
5581700	630000	54093	0	0	0
5581700	629975	54058	0	0	0
5581700	629950	54093	0	0	0
5581700	629925	54328	0	0	0
5581700	629900	54339	0	0	0
5581700	629875	54094	0	0	0
5581700	629850	54271	0	0	0
5581700	629825	54108	0	-20	0
5581700	629800	54274	20	-20	0
5581700	629775	54149	0	20	0
5581700	629750	54211	0	20	0
5581700	629725	54178	0	0	0
5581700	629700	54211	0	0	0
5581700	629675	54359	0	0	0
5581700	629650	54307	0	0	0
5581700	629625	54437	0		0
5582400	630600	54432	10		0
5582400	630575	54114	10		0
5582400	630550	53820	0	20	0
5582400	630525	54304	0	10	0
5582400	630500	54025	0	5	0
5582400	630475	53930	-5	-10	0
5582400	630450	53730	15	-20	0
5582400	630425	54022	0	10	0
5582400	630400	53944	0	25	0
5582400	630375	54428	-10	25	0
5582400	630350	53649	-15	25	0
5582400	630325	53949	-20	15	0
5582400	630300	54009	-20	-5	0
5582400	630275	54310	-10	-30	0
5582400	630250	53925	0	-30	0
5582400	630225	54260	0	-5	0
5582400	630200	53914	-5	10	0
5582400	630175	54374	-5	5	0
5582400	630150	54.95	-5	-5	0
5582400	630125	54249	0	-10	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582400	630100	53928	0	0	0
5582400	630075	54129	-5	10	0
5582400	630050	53721	-5	0	0
5582400	630025	53593	0	-10	0
5582400	630000	53932	0	10	0
5582400	629975	54049	-15	30	0
5582400	629950	53892	-15	15	0
5582400	629925	53896	-15	0	0
5582400	629900	54394	-15	0	0
5582400	629875	54003	-15	5	0
5582400	629850	54077	-20	15	0
5582400	629825	54328	-25	35	0
5582400	629800	53911	-45	0	0
5582400	629775	54390	0	-70	0
5582400	629750	54408	0	-45	0
5582400	629725	54211	0	20	0
5582400	629700	53842	-20	45	0
5582400	629675	53804	-25	30	0
5582400	629650	52257	-25	5	0
5582400	629625	54011	-25		0
5582500	629625	53060	15		0
5582500	629650	53895	5		0
5582500	629675	53844	0	20	0
5582500	629700	54113	0	5	0
5582500	629725	53794	0	0	0
5582500	629750	53946	0	5	0
5582500	629775	54267	-5	15	0
5582500	629800	54627	-10	25	0
5582500	629825	54054	-20	35	0
5582500	629850	54230	-30	25	0
5582500	629875	53854	-25	5	0
5582500	629900	54140	-30	0	0
5582500	629925	53990	-25	-20	0
5582500	629950	54129	-10	-30	0
5582500	629975	54227	-15	-20	0
5582500	630000	53727	0	-25	0
5582500	630025	54262	0	-15	0
5582500	630050	53991	0	0	0
5582500	630075	53755	0	0	0
5582500	630100	54398	0	0	0
5582500	630125	54291	0	10	0
5582500	630150	54134	-10	25	0
5582500	630175	54149	-15	5	0
5582500	630200	54147	0	-15	0
5582500	630225	53998	-10	5	0
5582500	630250	53993	-10	10	0
5582500	630275	54081	-10	5	0
5582500	630300	53764	-15	10	0
5582500	630325	54120	-15	-10	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582500	630350	53933	0	-30	0
5582500	630375	54210	0	-15	0
5582500	630400	54116	0	0	0
5582500	630425	53644	0	0	0
5582500	630450	53918	0	15	0
5582500	630475	53881	-15	35	0
5582500	630500	54136	-20	30	0
5582500	630525	53850	-25	15	0
5582500	630550	54027	-25	5	0
5582500	630575	54025	-25	0	0
5582500	630600	54241	-25		0
5582600	630600	53814	-5		0
5582600	630575	54345	-5		0
5582600	630550	54031	-5	5	0
5582600	630525	53617	-10	10	0
5582600	630500	54113	-10	-5	0
5582600	630475	54367	0	-20	0
5582600	630450	54020	0	-5	0
5582600	630425	53750	-5	25	0
5582600	630400	53480	-20	45	0
5582600	630375	53887	-30	35	0
5582600	630350	53955	-30	5	0
5582600	630325	53864	-25	-15	0
5582600	630300	53978	-20	-20	0
5582600	630275	54402	-15	-20	0
5582600	630250	53894	-10	-25	0
5582600	630225	54117	0	-25	0
5582600	630200	54293	0	-10	0
5582600	630175	53880	0	0	0
5582600	630150	53761	0	0	0
5582600	630125	54028	0	0	0
5582600	630100	54152	0	0	0
5582600	630075	53467	0	0	0
5582600	630050	54289	0	0	
5582600	630025	54040	0	0	
5582600	630000	53970	0	0	
5582600	629975	53999	0	0	
5582600	629950	53985	0	0	
5582600	629925	53990	0	0	
5582600	629900	53804	0	20	
5582600	629875	54068	-20	45	
5582600	629850	54336	-25	25	
5582600	629825	53895	-20	-5	
5582600	629800	53985	-20	-5	
5582600	629775	53946	-20	5	
5582600	629750	54008	-25	10	
5582600	629725	54202	-25	10	
5582600	629700	54012	-30	5	
5582600	629675	53650	-25	-5	

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582600	629650	53928	-25	-10	
5582600	629625	53869	-20		
5582000	629600				0
5582000	629600	54530	-15		40
5582000	629625	54511	-5		40
5582000	629650	54127	0	-20	40
5582000	629675	54289	0	-5	40
5582000	629700	54235	0	0	40
5582000	629725	54165	0	0	40
5582000	629750	54401	0	0	40
5582000	629775	54358	0	0	40
5582000	629800	54250	0	0	40
5582000	629825	54396	0	10	40
5582000	629850	54406	-10	35	40
5582000	629875	54696	-25	15	0
5582000	629900	54321	0	-35	40
5582000	629925	54025	0	-45	40
5582000	629950	54216	20	-45	40
5582000	629975	54320	25	-5	40
5582000	630000	54313	0	45	40
5582000	630025	54346	0	25	0
5582000	630050	54417	0	15	40
5582000	630075	54282	-15	50	40
5582000	630100	54246	-35	20	0
5582000	630125	54589	0	-50	0
5582000	630150	54687	0	-35	40
5582000	630175	54367	0	0	0
5582000	630200	54579	0	20	0
5582000	630225	54349	-20	0	0
5582000	630250	54493	20	-55	40
5582000	630275	54684	15	-25	40
5582000	630300	54847	10	10	40
5582000	630325	54563	15	10	40
5582000	630350	54497	0	5	40
5582000	630375	54848	20	-25	40
5582000	630400	54442	20	-25	40
5582000	630425	54524	25	-5	40
5582000	630450	54250	20	0	0
5582000	630475	54465	25	5	0
5582000	630500	54382	15	30	0
5582000	630525	54467	0	50	0
5582000	630550	54431	-10	25	40
5582000	630575	54511	0		0
5582100	629600	54181	0		0
5582100	629625	54287	0		0
5582100	629650	54406	20	-20	40
5582100	629675	54465	0	20	0
5582100	629700	53949	0	5	0
5582100	629725	54553	15	-15	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582100	629750	54447	0	0	40
5582100	629775	54231	15	20	40
5582100	629800	54442	-20	45	0
5582100	629825	54547	-10	5	40
5582100	629850	54299	0	-30	40
5582100	629875	54253	0	-30	0
5582100	629900	54042	20	-25	40
5582100	629925	54684	5	15	40
5582100	629950	54491	0	-5	0
5582100	629975	54404	30	-40	40
5582100	630000	54148	15	15	40
5582100	630025	54267	0	45	40
5582100	630050	54181	0	15	0
5582100	630075	54212	0	0	0
5582100	630100	54471	0	15	0
5582100	630125	54222	-15	25	0
5582100	630150	54497	-10	-5	0
5582100	630175	54382	0	-50	0
5582100	630200	54760	25	-60	0
5582100	630225	54106	25	-20	40
5582100	630250	54670	20	30	40
5582100	630275	54703	0	40	40
5582100	630300	54877	5	15	40
5582100	630325	54750	0	-5	40
5582100	630350	54277	10	-30	40
5582100	630375	54766	25	-25	40
5582100	630400	54484	10	20	40
5582100	630425	54620	5	15	40
5582100	630450	54687	15	0	40
5582100	630475	54536	0	20	40
5582100	630500	54520	0	15	40
5582100	630525	54255	0	-15	40
5582100	630550	54387	15	-15	40
5582100	630575	54299	0		40
5582200	629600	54128	0		0
5582200	629625	53766	0		0
5582200	629650	53942	0	0	0
5582200	629675	53959	0	0	0
5582200	629700	54205	0	0	0
5582200	629725	54075	0	0	0
5582200	629750	54127	0	0	0
5582200	629775	54754	0	0	0
5582200	629800	54340	0	0	0
5582200	629825	54124	0	5	0
5582200	629850	53774	-5	10	0
5582200	629875	54951	-5	-5	0
5582200	629900	54961	5	-15	0
5582200	629925	54719	0	0	0
5582200	629950	54428	0	10	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5582200	629975	53786	-5	10	0
5582200	630000	53859	-5	0	0
5582200	630025	54132	0	-10	0
5582200	630050	53825	0	-10	0
5582200	630075	53704	5	-15	0
5582200	630100	53874	10	0	0
5582200	630125	53776	-5	30	0
5582200	630150	54157	-10	-15	0
5582200	630175	54617	30	-25	0
5582200	630200	54681	-20	15	0
5582200	630225	54662	25	-35	0
5582200	630250	54629	20	-25	0
5582200	630275	54668	10	35	0
5582200	630300	54679	0	15	0
5582200	630325	54298	15	-25	0
5582200	630350	54679	20	-25	0
5582200	630375	54589	20	0	0
5582200	630400	54588	15	5	0
5582200	630425	54478	20	-10	0
5582200	630450	54405	25	-10	0
5582200	630475	54220	20	0	0
5582200	630500	54231	25	-5	0
5582200	630525	54262	25	-10	0
5582200	630550	54456	30	0	0
5582200	630575	54873	20		0
5583900	629600	53660	-4		0
5583900	629575	54150	-8		0
5583900	629550	53903	-12	12	0
5583900	629525	53998	-12	2	0
5583900	629500	53665	-10	0	0
5583900	629475	54231	-14	-2	0
5583900	629450	53745	-6	-6	0
5583900	629425	54052	-12	4	0
5583900	629400	53962	-12	4	0
5583900	629375	54321	-10	-6	0
5583900	629350	53990	-8	-4	0
5583900	629325	54061	-10	2	0
5583900	629300	54147	-10	-6	0
5583900	629275	54026	-2	-13	0
5583900	629250	53829	-5	7	0
5583900	629225	54263	-14	13	0
5583900	629200	53755	-6	-13	0
5583900	629175	54022	0	-22	0
5583900	629150	54129	2	-8	0
5583900	629125	53827	0	6	0
5583900	629100	53690	-4	6	0
5583900	629075	54046	0	-10	0
5583900	629050	54223	6	-4	0
5583900	629025	54223	-6	17	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583900	629000	54048	-5	13	0
5583900	628975	54919	-8	1	0
5583900	628950	54121	-4	5	0
5583900	628925	54232	-14	12	0
5583900	628900	54118	-10	-2	0
5583900	628875	54537	-6	-9	0
5583900	628850	54214	-9	1	0
5583900	628825	54311	-8	-4	0
5583900	628800	54132	-3	-9	0
5583900	628775	53935	-5	-4	0
5583900	628750	53971	-2	4	0
5583900	628725	54029	-10	17	0
5583900	628700	54027	-14	12	0
5583900	628675	54121	-10	-2	0
5583900	628650	54216	-12	1	0
5583900	628625	54083	-13	4	0
5583900	628600	53951	-13		0
5583800	629600	54396	-7		0
5583800	629575	54023	-10		0
5583800	629550	53795	-10	5	0
5583800	629525	54274	-12	0	0
5583800	629500	54084	-8	-2	0
5583800	629475	54052	-12	2	0
5583800	629450	53907	-10	0	0
5583800	629425	53734	-10	3	0
5583800	629400	53708	-15	10	0
5583800	629375	54118	-15	7	0
5583800	629350	54001	-17	3	0
5583800	629325	54028	-16	6	0
5583800	629300	53720	-22	14	0
5583800	629275	53868	-25	2	0
5583800	629250	54251	-15	-22	0
5583800	629225	53932	-10	-22	0
5583800	629200	54130	-8	-5	0
5583800	629175	53967	-12	-1	0
5583800	629150	53822	-5	-5	0
5583800	629125	53978	-10	3	0
5583800	629100	54084	-10	3	0
5583800	629075	54029	-8	8	0
5583800	629050	53999	-20	12	0
5583800	629025	54222	-10	-18	0
5583800	629000	54148	0	-13	0
5583800	628975	53945	-17	25	0
5583800	628950	54225	-18	15	0
5583800	628925	54447	-14	-6	0
5583800	628900	54044	-15	-7	0
5583800	628875	54106	-10	-19	0
5583800	628850	54170	0	-23	0
5583800	628825	54040	-2	-13	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583800	628800	54045	5	-7	0
5583800	628775	53887	0	3	0
5583800	628750	54138	0	5	0
5583800	628725	54149	0	0	0
5583800	628700	53794	0	8	0
5583800	628675	53572	-8	14	0
5583800	628650	54158	-6	4	0
5583800	628625	53911	-6	5	0
5583800	628600	564155	-13		0
5583700	629600	53851	-8		0
5583700	629575	53785	0		0
5583700	629550	53600	0	2	0
5583700	629525	53827	-10	15	0
5583700	629500	53828	-5	-5	0
5583700	629475	54182	0	-15	0
5583700	629450	54090	0	-5	0
5583700	629425	53884	0	8	0
5583700	629400	53996	-8	23	0
5583700	629375	54234	-15	21	0
5583700	629350	53733	-14	5	0
5583700	629325	53991	-14	-7	0
5583700	629300	53900	-8	-10	0
5583700	629275	53925	-10	-10	0
5583700	629250	54328	-2	-11	0
5583700	629225	53926	-5	7	0
5583700	629200	53946	-14	17	0
5583700	629175	53710	-10	1	0
5583700	629150	53808	-10	-6	0
5583700	629125	54229	-8	-5	0
5583700	629100	54005	-7	4	0
5583700	629075	54333	-15	11	0
5583700	629050	53778	-11	-6	0
5583700	629025	54141	-5	-11	0
5583700	629000	54021	-10	9	0
5583700	628975	53631	-15	10	0
5583700	628950	54179	-10	-1	0
5583700	628925	53742	-14	4	0
5583700	628900	53882	-15	1	0
5583700	628875	54077	-10	-7	0
5583700	628850	53836	-12	2	0
5583700	628825	53810	-15	5	0
5583700	628800	54093	-12	0	0
5583700	628775	53687	-15	-4	0
5583700	628750	53820	-8	-10	0
5583700	628725	54057	-9	-17	0
5583700	628700	54007	3	-20	0
5583700	628675	54415	0	-1	0
5583700	628650	53581	-5	13	0
5583700	628625	54217	-5	4	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583700	628600	53739	-4		0
5583600	629600	53786	0		0
5583600	629575	54027	0		0
5583600	629550	54148	-10	14	0
5583600	629525	53914	-4	8	0
5583600	629500	53958	-14	6	0
5583600	629475	54275	-6	-7	0
5583600	629450	54207	-5	-10	0
5583600	629425	53820	-5	-1	0
5583600	629400	53733	-5	3	0
5583600	629375	53999	-8	3	0
5583600	629350	53953	-5	-8	0
5583600	629325	54013	0	-3	0
5583600	629300	54109	-10	17	0
5583600	629275	53839	-12	13	0
5583600	629250	53753	-11	-3	0
5583600	629225	53881	-8	-4	0
5583600	629200	53903	-11	-2	0
5583600	629175	54172	-6	2	0
5583600	629150	54140	-15	12	0
5583600	629125	54073	-14	3	0
5583600	629100	54061	-10	-11	0
5583600	629075	53612	-8	-14	0
5583600	629050	54133	-2	-11	0
5583600	629025	53739	-5	11	0
5583600	629000	53918	-16	9	0
5583600	628975	53713	0	-11	0
5583600	628950	54024	-10	10	0
5583600	628925	53728	-16	22	0
5583600	628900	53914	-16	3	0
5583600	628875	54301	-13	-11	0
5583600	628850	54135	-8	-16	0
5583600	628825	53506	-5	-19	0
5583600	628800	53836	3	-1	0
5583600	628775	54170	-15	19	0
5583600	628750	54148	-6	4	0
5583600	628725	53840	-10	-6	0
5583600	628700	54137	-5	-6	0
5583600	628675	54180	-5	-5	0
5583600	628650	53626	-5	5	0
5583600	628625	53722	-10	4	0
5583600	628600	54037	-4		0
5583500	629600	53993	-11		0
5583500	629575	54411	-4		0
5583500	629550	54095	-12	5	0
5583500	629525	54257	-8	7	0
5583500	629500	54386	-15	1	0
5583500	629475	54116	-6	-7	0
5583500	629450	54453	-10	-6	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583500	629425	54242	-5	-1	0
5583500	629400	54016	-10	9	0
5583500	629375	54144	-14	15	0
5583500	629350	53957	-16	-3	0
5583500	629325	53884	-5	-13	0
5583500	629300	54206	-12	6	0
5583500	629275	54306	-15	-2	0
5583500	629250	54368	0	-17	0
5583500	629225	53813	-10	0	0
5583500	629200	53706	-5	5	0
5583500	629175	53564	-10	0	0
5583500	629150	54147	-5	0	0
5583500	629125	53955	-10	5	0
5583500	629100	54241	-10	0	0
5583500	629075	54144	-5	-10	0
5583500	629050	54392	-5	0	0
5583500	629025	54306	-10	8	0
5583500	629000	54101	-8	-2	0
5583500	628975	53958	-5	-1	0
5583500	628950	54028	-12	9	0
5583500	628925	53615	-10	3	0
5583500	628900	53777	-10	3	0
5583500	628875	54234	-15	9	0
5583500	628850	53854	-14	-6	0
5583500	628825	54197	-5	-8	0
5583500	628800	54118	-16	17	0
5583500	628775	54357	-20	13	0
5583500	628750	54017	-14	-17	0
5583500	628725	54131	-5	-26	0
5583500	628700	54238	-3	-1	0
5583500	628675	54134	-15	17	0
5583500	628650	54013	-10	-3	0
5583500	628625	53848	-5	-11	0
5583500	628600	53750	-9		0
5583400	629600	53811	-8		0
5583400	629575	53746	-5		0
5583400	629550	53710	-5	2	0
5583400	629525	54044	-10	10	0
5583400	629500	54100	-10	-5	0
5583400	629475	54179	0	-5	0
5583400	629450	53874	-15	15	0
5583400	629425	53977	-10	7	0
5583400	629400	53905	-12	-8	0
5583400	629375	53952	-5	-2	0
5583400	629350	54024	-15	8	0
5583400	629325	53874	-10	-5	0
5583400	629300	53975	-5	-16	0
5583400	629275	53863	-4	-1	0
5583400	629250	54366	-10	1	0

EARNY	VLF-EM	NORTH GRID			
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad
5583400	629225	54300	0	-4	0
5583400	629200	54006	-10	10	0
5583400	629175	54008	-10	12	0
5583400	629150	54101	-12	7	0
5583400	629125	53826	-15	-2	0
5583400	629100	54065	-5	-17	0
5583400	629075	54301	-5	-5	0
5583400	629050	53881	-10	10	0
5583400	629025	54113	-10	5	0
5583400	629000	54183	-10	5	0
5583400	628975	53946	-15	5	0
5583400	628950	54006	-10	-9	0
5583400	628925	53876	-6	-19	0
5583400	628900	53763	0	-6	0
5583400	628875	54079	-10	6	0
5583400	628850	53785	-2	2	0
5583400	628825	53724	-10	8	0
5583400	628800	53583	-10	10	0
5583400	628775	53931	-12	7	0
5583400	628750	53979	-15	-7	0
5583400	628725	54166	0	-17	0
5583400	628700	54321	-10	5	0
5583400	628675	53515	-10	0	0
5583400	628650	53838	0	-15	0
5583400	628625	54032	-5	1	0
5583400	628600	54156	-6		0

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579000	627500	56408	-15		-30		
5579000	627475	57428	55		-30		1
5579000	627450	56999	60	-60	-30	-70	
5579000	627425	56187	40	25	40	-70	
5579000	627400	56243	50	28	-30	0	
5579000	627375	55466	22	53	40	10	
5579000	627350	55421	15	22	-40	10	
5579000	627325	55342	35	-8	40	-40	
5579000	627300	55707	10	0	0	-40	
5579000	627275	55988	40	-20	40	0	
5579000	627250	56195	25	17	0	10	
5579000	627225	55898	8	52	30	-10	
5579000	627200	55878	5	28	20	-30	
5579000	627175	56082	0	5	40	-32	
5579000	627150	55689	8	-13	42	58	
5579000	627125	56094	10	-22	-40	162	
5579000	627100	55598	20	-30	-40	42	
5579000	627075	55625	28	-23	0	-40	
5579000	627050	55540	25	-17	-40	0	
5579000	627025	55995	40	-2	0	-80	
5579000	627000	55287	15	-2	40	-50	
5579000	626975	55616	52	-30	-30	96	
5579000	626950	55687	33	16	-26	-2	
5579000	626925	55521	18	34	38	-112	
5579000	626900	55787	33	-32	18	-6	
5579000	626875	55536	50	-9	0	16	
5579000	626850	55611	10	45	40	-52	
5579000	626825	55994	28	-3	30	-30	
5579000	626800	55474	35	-52	40	30	
5579000	626775	55574	55	13	0	70	
5579000	626750	55749	-5	115	0	40	
5579000	626725	55902	-20	35	0	0	
5579000	626700	55409	35	-60	0	0	
5579000	626675	55794	0	5	0	0	
5579000	626650	55443	10	-17	0	0	
5579000	626625	55549	42	-27	0	0	
5579000	626600	55452	-5	57	0	0	
5579000	626575	55642	0	11	0	0	
5579000	626550	55802	26	-111	0	0	
5579000	626525	55227	80	-79	0	0	
5579000	626500	55749	25	71	0	0	
5579000	626475	54101	10	75	0	0	
5579000	626450	54266	20	-25	0	0	
5579000	626425	54133	40	-40	0	-40	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579000	626400	54273	30	10	40	-40	
5579000	626375	53911	20	15	0	0	
5579000	626350	53952	35	-15	40	0	
5579000	626325	53881	30	25	0	40	
5579000	626300	54177	0	65	0	40	
5579000	626275	54276	0	10	0	-40	
5579000	626250	54187	20	10	40	-40	
5579000	626225	53864	-30	30	0	40	
5579000	626200	53992	20	-30	0	40	
5579000	626175	54058	0	-55	0	0	
5579000	626150	54011	45	-55	0	0	
5579000	626125	54140	30	15	0	0	
5579000	626100	54247	0	75	0	-40	
5579000	626075	54333	0	10	40	-40	
5579000	626050	53892	20	-55	0	40	
5579000	626025	54262	35	-35	0	40	
5579000	626000	54187	20		0		
5579100	627500	56031	18		40		2
5579100	627475	56086	60		40		
5579100	627450	56366	70	-72	40	40	
5579100	627425	56278	80	-20	0	80	
5579100	627400	56019	70	0	0	40	
5579100	627375	55682	80	85	0	0	
5579100	627350	55604	-15	155	0	0	
5579100	627325	55787	10	90	0	30	
5579100	627300	55222	-35	30	-30	30	
5579100	627275	55803	0	-25	0	-30	
5579100	627250	55648	0	-63	0	-10	
5579100	627225	55910	28	-28	-20	20	
5579100	627200	55630	0	40	0	-20	
5579100	627175	55282	-12	-20	0	-20	
5579100	627150	55334	60	-62	0	30	
5579100	627125	55667	-10	78	-30	30	
5579100	627100	55452	-20	70	0	-30	
5579100	627075	55899	0	-25	0	-30	
5579100	627050	55687	-5	-25	0	-40	
5579100	627025	55970	10	-40	40	-40	
5579100	627000	55884	25	-35	0	40	
5579100	626975	55734	15	20	0	40	
5579100	626950	55432	0	50	0	0	
5579100	626925	55368	-10	37	0	-5	
5579100	626900	55393	-12	2	5	-5	
5579100	626875	55945	0	-22	0	5	
5579100	626850	55604	0	2	0	5	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579100	626825	55694	-14	29	0	0	
5579100	626800	55553	-15	1	0	0	
5579100	626775	55439	0	-29	0	0	
5579100	626750	55205	0	-55	0	0	
5579100	626725	55133	40	-7	0	0	
5579100	626700	55308	-33	101	0	0	
5579100	626675	55353	-28	45	0	-40	
5579100	626650	55510	-10	-51	40	-40	
5579100	626625	55320	0	-38	0	40	
5579100	626600	55069	0	20	0	40	
5579100	626575	55456	-30	30	0	0	
5579100	626550	55493	0	-70	0	0	
5579100	626525	55301	40	-65	0	30	
5579100	626500	55232	-5	20	-30	30	
5579100	626475	54112	25	-20	0	-30	
5579100	626450	54280	30	-20	0	-30	
5579100	626425	54165	10	45	0	0	
5579100	626400	54162	0	40	0	-40	
5579100	626375	53964	0	0	40	-40	
5579100	626350	53864	10	-25	0	40	
5579100	626325	54132	15	-50	0	30	
5579100	626300	53997	45	-50	10	-10	
5579100	626275	54189	30	-5	0	10	
5579100	626250	54267	35	20	0	10	
5579100	626225	54103	20	45	0	0	
5579100	626200	54318	0	85	0	0	
5579100	626175	54222	-30	30	0	-40	
5579100	626150	53864	20	-90	40	-40	
5579100	626125	54117	40	-80	0	40	
5579100	626100	54286	30	10	0	0	
5579100	626075	54299	20	50	40	-40	
5579100	626050	53800	0	50	0	40	
5579100	626025	54182	0	20	0	40	
5579100	626000	54395	0		0		
5578800	627500	56528	5		0		3
5578800	627475	56090	55		0		
5578800	627450	56183	0	50	0	-10	
5578800	627425	56276	10	45	10	-10	
5578800	627400	56529	0	5	0	10	
5578800	627375	55313	5	5	0	10	
5578800	627350	55969	0	0	0	0	
5578800	627325	55883	5	-60	0	0	
5578800	627300	56722	60	-65	0	0	
5578800	627275	56508	10	60	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578800	627250	56355	-5	65	0	-15	
5578800	627225	56390	10	-10	15	5	
5578800	627200	56227	5	-40	-20	35	
5578800	627175	56490	40	-25	0	-5	
5578800	627150	55777	0	0	0	-20	
5578800	627125	55599	45	-5	0	0	
5578800	627100	55259	0	45	0	0	
5578800	627075	55911	0	5	0	0	
5578800	627050	56132	40	-40	0	0	
5578800	627025	56130	0	40	0	0	
5578800	627000	56243	0	28	0	10	
5578800	626975	56017	12	13	-10	0	
5578800	626950	55799	-25	57	10	-40	
5578800	626925	55675	-20	42	20	-20	
5578800	626900	55667	-35	10	0	35	
5578800	626875	56254	-20	-25	-5	45	
5578800	626850	55279	-10	-50	-20	-5	
5578800	626825	56235	5	-10	20	-45	
5578800	626800	55902	-25	20	0	0	
5578800	626775	55814	0	0	0	20	
5578800	626750	56384	-20	15	0	20	
5578800	626725	55722	-20	5	-20	20	
5578800	626700	55889	-5	-10	0	-30	
5578800	626675	56145	-25	0	10	-30	
5578800	626650	55442	0	-25	0	10	
5578800	626625	55555	-5	-20	0	10	
5578800	626600	55601	0	-10	0	0	
5578800	626575	55954	5	-20	0	0	
5578800	626550	55907	10	-25	0	0	
5578800	626525	56005	20	-25	0	-10	
5578800	626500	55861	20	55	10	-10	
5578800	626475	54199	-45	58	0	5	
5578800	626450	53984	27	-52	5	5	
5578800	626425	54016	0	-73	0	5	
5578800	626400	54605	55	-78	0	5	
5578800	626375	53775	50	-5	0	10	
5578800	626350	53964	10	65	-10	10	
5578800	626325	54240	30	-20	0	-10	
5578800	626300	53895	50	50	0	-20	
5578800	626275	54221	-60	140	10	-10	
5578800	626250	54196	0	40	0	10	
5578800	626225	54027	-50	-10	0	10	
5578800	626200	53947	0	-20	0	0	
5578800	626175	53207	-30	5	0	0	
5578800	626150	54442	-25	-45	0	-40	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578800	626125	54446	40	-152	40	-40	
5578800	626100	54395	57		0		
5578800	626075						
5578800	626050	54371	0		0		
5578800	626025	53413	0		0		
5578800	626000	53859	0		0		
5578900	627500	56195	-10		0		4
5578900	627475	55718	5		0		
5578900	627450	56065	10	-15	4	-4	
5578900	627425	56416	0	-10	0	4	
5578900	627400	56476	25	-31	0	4	
5578900	627375	56762	16	-36	0	0	
5578900	627350	56260	45	-69	0	0	
5578900	627325	56087	65	-4	0	0	
5578900	627300	56283	0	85	0	0	
5578900	627275	56460	25	30	0	0	
5578900	627250	56420	10	15	0	0	
5578900	627225	56527	0	40	0	0	
5578900	627200	56181	-5	-30	0	0	
5578900	627175	56005	45	-35	0	-10	
5578900	627150	55555	-15	10	10	-45	
5578900	627125	55757	45	-65	35	-25	
5578900	627100	55552	50	-95	0	45	
5578900	627075	56328	75	12	0	15	
5578900	627050	56609	8	72	20	-20	
5578900	627025	56167	45	38	0	20	
5578900	627000	56322	0	33	0	20	
5578900	626975	55820	20	30	0	0	
5578900	626950	56003	-5	5	0	5	
5578900	626925	56068	20	0	-5	5	
5578900	626900	56166	-5	-20	0	-5	
5578900	626875	56198	40	-45	0	-5	
5578900	626850	55966	20	-23	0	-10	
5578900	626825	55435	38	17	10	-10	
5578900	626800	55958	5	59	0	10	
5578900	626775	55613	-6	64	0	20	
5578900	626750	55668	-15	14	-10	10	
5578900	626725	55704	0	-21	0	-10	
5578900	626700	55094	0	-20	0	0	
5578900	626675	55596	5	-10	-10	0	
5578900	626650	55701	5	0	10	-20	
5578900	626625	55630	0	10	0	0	
5578900	626600	55430	0	25	0	10	
5578900	626575	55484	-20	12	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578900	626550	55382	8	-38	0	0	
5578900	626525	55953	10	3	0	0	
5578900	626500	55429	-25	23	0	0	
5578900	626475	54238	20	-70	0	0	
5578900	626450	54011	35	-70	0	0	
5578900	626425	54196	30	10	0	0	
5578900	626400	53982	15	5	0	0	
5578900	626375	54107	45	-45	0	0	
5578900	626350	54045	45	-5	0	-40	
5578900	626325	54047	20	60	40	-80	
5578900	626300	54088	10	30	40	0	
5578900	626275	54140	25	-15	0	80	
5578900	626250	53959	20	5	0	0	
5578900	626225	53906	10	5	40	-40	
5578900	626200	54027	30	-15	0	0	
5578900	626175	54142	15	-20	40	0	
5578900	626150	54151	45	45	0	40	
5578900	626125	54101	-45	95	0	40	
5578900	626100	54003	10	-30	0	0	
5578900	626075	53768	20	-90	0	-40	
5578900	626050	53866	35	-15	40	-40	
5578900	626025	54046	10	65	0	40	
5578900	626000	53917	-20		0		
5579200	627500	54403	-25		0		5
5579200	627475	54725	12		0		
5579200	627450	54253	5	-38	-30	30	
5579200	627425	54774	20	-38	0	-30	
5579200	627400	54897	35	6	0	-20	
5579200	627375	54528	-16	61	-10	10	
5579200	627350	54554	10	19	0	-20	
5579200	627325	54601	-10	14	10	-10	
5579200	627300	54465	-10	40	-10	30	
5579200	627275	54281	-30	30	-10	0	
5579200	627250	54394	-20	-10	10	-30	
5579200	627225	54261	-10	-35	0	0	
5579200	627200	54644	-5	-25	0	10	
5579200	627175	54494	0	-15	0	0	
5579200	627150	53861	0	15	0	0	
5579200	627125	54515	-20	10	0	10	
5579200	627100	54654	10	-20	-10	20	
5579200	627075	54411	-10	15	-10	-20	
5579200	627050	54537	-15	45	20	-40	
5579200	627025	54389	-30	5	0	10	
5579200	627000	54421	0	-30	0	20	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579200	626975	54613	-15	7	0	0	
5579200	626950	54429	-22	23	0	0	
5579200	626925	54729	-16	-5	0	10	
5579200	626900	54152	-16	-12	-10	10	
5579200	626875	54199	-10	-7	0	-10	
5579200	626850	54844	-15	-1	0	0	
5579200	626825	54308	-10	10	-10	10	
5579200	626800	54242	-25	20	0	0	
5579200	626775	56470	-20	-20	-10	0	
5579200	626750	54341	5	-10	0	-10	
5579200	626725	54225	-40	50	0	-10	
5579200	626700	54480	-25	10	0	10	
5579200	626675	54403	-20	-15	-10	10	
5579200	626650	54347	-30	-5	0	-10	
5579200	626625	54706	-10	-30	0	-20	
5579200	626600	54363	-10	-40	10	-10	
5579200	626575	55101	10	-50	0	10	
5579200	626550	55053	20	-20	0	0	
5579200	626525	54548	0	35	10	-20	
5579200	626500	53834	-5	-5	10	0	
5579200	626475	54161	30	-65	0	20	
5579200	626450	54232	30	-20	0	10	
5579200	626425	53747	15	15	0	0	
5579200	626400	53921	30	-14	0	0	
5579200	626375	53765	29	-4	0	0	
5579200	626350	53653	20	19	0	0	
5579200	626325	53804	20	-6	0	0	
5579200	626300	53834	35	-35	0	0	
5579200	626275	54026	40	-15	0	0	
5579200	626250	54020	30	15	0	0	
5579200	626225	54131	30	15	0	-40	
5579200	626200	53865	25	15	40	-40	
5579200	626175	54021	20	35	0	0	
5579200	626150	53857	0	25	40	-40	
5579200	626125	53791	20	-25	40	-40	
5579200	626100	53576	25	-5	40	0	
5579200	626075	54198	0	20	40	0	
5579200	626050	53948	25	-25	40	40	
5579200	626025	53563	25	-20	0	80	
5579200	626000	53886	20		0		
5579300	627500	54172	5		40		6
5579300	627475	53859	6		-30		
5579300	627450	53922	0	16	-30	0	
5579300	627425	53632	-5	1	40	-140	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579300	627400	53892	10	-25	40	-70	
5579300	627375	54191	10	-5	40	0	
5579300	627350	54947	0	-5	40	10	
5579300	627325	53998	25	-30	30	10	
5579300	627300	53786	15	-14	40	0	
5579300	627275	54002	24	-4	30	70	
5579300	627250	53941	20	14	-30	110	
5579300	627225	54196	5	29	-10	-30	
5579300	627200	54124	10	25	40	-40	
5579300	627175	54371	-10	11	-40	70	
5579300	627150	54141	14	-28	0	-40	
5579300	627125	54073	14	-10	40	-50	
5579300	627100	54119	0	23	-30	30	
5579300	627075	54150	5	14	40	-20	
5579300	627050	54248	-5	4	-10	20	
5579300	627025	54441	6	-2	0	10	
5579300	627000	53850	-4	20	20	-10	
5579300	626975	54286	-15	12	-20	40	
5579300	626950	54124	5	-24	0	0	
5579300	626925	54133	0	0	0	-10	
5579300	626900	54093	-10	15	-10	10	
5579300	626875	54034	0	-35	0	-50	
5579300	626850	54110	25	-50	40	-90	
5579300	626825	54317	15	58	40	-40	
5579300	626800	54073	-48	88	40	40	
5579300	626775	54432	0	-23	0	74	
5579300	626750	54411	-10	-23	6	49	
5579300	626725	53214	-15	5	-15	21	
5579300	626700	53876	0	-17	0	-9	
5579300	626675	55001	-8	15	0	-15	
5579300	626650	54146	-22	24	0	0	
5579300	626625	54414	-10	-15	0	0	
5579300	626600	54126	-5	-12	0	10	
5579300	626575	54443	-15	15	-10	16	
5579300	626550	54414	-15	0	-6	-4	
5579300	626525	54636	-5	-25	0	-16	
5579300	626500	54912	0	-40	0	-6	
5579300	626475	53977	20	-35	0	-40	
5579300	626450	53934	10	-5	40	-40	
5579300	626425	53936	15	5	0	0	
5579300	626400	53814	10	13	40	0	
5579300	626375	54192	2	23	0	0	
5579300	626350	53984	0	12	40	0	
5579300	626325	54201	0	-3	0	0	
5579300	626300	53711	5	-15	40	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579300	626275	53999	10	-15	0	40	
5579300	626250	53961	10	-10	0	40	
5579300	626225	53939	15	-40	0	0	
5579300	626200	53939	45	-60	0	0	
5579300	626175	53929	40	-10	0	0	
5579300	626150	54218	30	25	0	0	
5579300	626125	54240	30	15	0	0	
5579300	626100	53916	25	10	0	0	
5579300	626075	54123	25	5	0	0	
5579300	626050	53881	25	5	0	0	
5579300	626025	53966	20		0		
5579400	627500	54489	5		40		7
5579400	627475	54624	-8		38		
5579400	627450	54844	7	-15	-35	73	
5579400	627425	54573	5	-14	40	-77	
5579400	627400	54248	8	-1	40	-65	
5579400	627375	54400	5	13	30	10	
5579400	627350	54497	-5	3	40	0	
5579400	627325	54332	15	-25	30	0	
5579400	627300	54577	10	10	40	70	
5579400	627275	54526	-10	42	-40	76	
5579400	627250	54464	-7	-1	34	-76	
5579400	627225	54680	8	-20	42	-8	
5579400	627200	54413	-5	16	-40	156	
5579400	627175	54489	-10	11	-40	42	
5579400	627150	54723	2	-27	0	-40	
5579400	627125	54389	10	-38	-40	-40	
5579400	627100	54325	20	-16	40	-116	
5579400	627075	54546	8	4	36	-66	
5579400	627050	54507	18	0	30	16	
5579400	627025	54515	10	1	30	6	
5579400	627000	54951	15	3	30	60	
5579400	626975	54451	10	-1	-30	90	
5579400	626950	54528	16	9	0	0	
5579400	626925	54548	0	1	0	-70	
5579400	626900	54951	25	-19	40	-80	
5579400	626875	54609	10	5	40	-40	
5579400	626850	54499	10	-5	40	0	
5579400	626825	54726	30	-16	40	0	
5579400	626800	54186	6	18	40	0	
5579400	626775	54403	16	20	40	0	
5579400	626750	54521	0	12	40	0	
5579400	626725	54184	10	-9	40	76	
5579400	626700	54477	15	-15	-36	146	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579400	626675	54372	10	-1	-30	34	
5579400	626650	54483	16	1	0	-106	
5579400	626625	54666	8	23	40	-30	
5579400	626600	54879	-5	19	-40	120	
5579400	626575	54286	10	-12	-40	6	
5579400	626550	54221	5	-25	34	-154	
5579400	626525	54497	25	-30	40	-86	
5579400	626500	54615	20	-20	40	34	
5579400	626475	54382	30	-5	0	40	
5579400	626450	54430	20	20	40	-40	
5579400	626425	54226	10	20	40	0	
5579400	626400	53898	20	-15	0	40	
5579400	626375	54333	25	5	40	0	
5579400	626350	53973	0	5	0	0	
5579400	626325	53954	40	-60	40	0	
5579400	626300	53867	45	-5	0	40	
5579400	626275	54117	0	85	0	40	
5579400	626250	53714	0	15	0	0	
5579400	626225	54105	30	-65	0	0	
5579400	626200	54197	35	-50	0	0	
5579400	626175	54094	45	-10	0	0	
5579400	626150	54105	30	30	0	0	
5579400	626125	53826	20	35	0	-40	
5579400	626100	53965	20	20	40	-40	
5579400	626075	54086	10	0	0	40	
5579400	626050	54062	30	-20	0	40	
5579400	626025	54159	20		0		
5579500	627500	54403	-25		0		8
5579500	627475	54502	15		0		
5579500	627450	54271	-24	34	0	0	
5579500	627425	54568	-20	5	0	0	
5579500	627400	54022	6	-70	0	0	
5579500	627375	54250	20	-54	0	-20	
5579500	627350	54191	20	1	20	-20	
5579500	627325	54272	5	27	0	10	
5579500	627300	53772	8	42	10	10	
5579500	627275	54173	-25	30	0	20	
5579500	627250	54184	8	-53	-10	20	
5579500	627225	54950	28	-93	0	-20	
5579500	627200	54439	48	-30	10	-20	
5579500	627175	54085	18	64	0	10	
5579500	627150	54374	-6	82	0	10	
5579500	627125	54446	-10	42	0	0	
5579500	627100	54209	-20	4	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579500	627075	54358	0	-20	0	-20	
5579500	627050	54545	-10	-35	20	-20	
5579500	627025	54253	25	-60	0	-20	
5579500	627000	54339	25	-30	40	-50	
5579500	626975	54647	20	10	30	30	
5579500	626950	53990	20	-10	-20	130	
5579500	626925	54666	35	-13	-40	70	
5579500	626900	53916	18	19	-20	-10	
5579500	626875	54394	18	10	-30	0	
5579500	626850	54133	25	3	-30	0	
5579500	626825	54106	8	5	-20	-80	
5579500	626800	54382	30	-17	40	-50	
5579500	626775	54338	20	0	-40	16	
5579500	626750	54357	18	27	44	-8	
5579500	626725	53722	5	15	-36	80	
5579500	626700	54371	18	-7	-40	88	
5579500	626675	54136	12	-4	-40	4	
5579500	626650	54601	15	11	-40	0	
5579500	626625	54430	4	25	-40	0	
5579500	626600	54331	-2	23	-40	-4	
5579500	626575	54770	-2	6	-36	-24	
5579500	626550	54434	-2	-7	-20	-91	
5579500	626525	54514	5	-14	35	-111	
5579500	626500	54502	5	-2	20	-5	
5579500	626475	54338	0	-10	0	55	
5579500	626450	54609	20	-35	0	20	
5579500	626425	54521	20	-10	0	0	
5579500	626400	54509	10	10	0	0	
5579500	626375	54359	20	-10	0	0	
5579500	626350	54197	20	-10	0	0	
5579500	626325	54447	20	0	0	0	
5579500	626300	54532	20	0	0	0	
5579500	626275	54497	20	0	0	0	
5579500	626250	54369	20	5	0	0	
5579500	626225	54488	15	5	0	0	
5579500	626200	54372	20	-10	0	0	
5579500	626175	54543	25	-25	0	0	
5579500	626150	54471	35	-5	0	-40	
5579500	626125	54447	15	20	40	-40	
5579500	626100	54083	25	15	0	0	
5579500	626075	54329	10	30	40	0	
5579500	626050	54186	0	10	0	40	
5579500	626025	54392	25	-35	0	40	
5579500	626000	54775	20		0		

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579600	627500	54416			0		9
5579600	627475	54401	-5		0		
5579600	627450	54226	-20		-20		
5579600	627425	54142	-18	3	0	-20	
5579600	627400	54394	-10	-46	0	-10	
5579600	627375	54573	18	-21	-10	10	
5579600	627350	54464	-25	-7	0	-10	
5579600	627325	54462	40	-32	0	-10	
5579600	627300	54659	-15	20	0	0	
5579600	627275	54608	10	5	0	0	
5579600	627250	54163	10	-15	0	0	
5579600	627225	54750	0	30	0	0	
5579600	627200	54551	-10	20	0	0	
5579600	627175	54783	0	-10	0	0	
5579600	627150	54440	0	-2	0	0	
5579600	627125	54575	-8	14	0	0	
5579600	627100	54607	-6	-2	0	0	
5579600	627075	54616	0	-12	0	0	
5579600	627050	54319	-2	-4	0	0	
5579600	627025	54434	0	-2	0	0	
5579600	627000	54584	0	0	0	0	
5579600	626975	54940	-2	2	0	0	
5579600	626950	54681	0	-2	0	0	
5579600	626925	54640	0	0	0	0	
5579600	626900	54089	-2	4	0	0	
5579600	626875	55001	-2	20	0	0	
5579600	626850	54339	-20	16	0	0	
5579600	626825	54268	0	-22	0	0	
5579600	626800	54686	0	-4	0	0	
5579600	626775	54264	-16	28	0	0	
5579600	626750	54260	-12	8	0	0	
5579600	626725	54224	-12	-16	0	0	
5579600	626700	54701	0	-36	0	20	
5579600	626675	54262	12	-18	-20	20	
5579600	626650	54900	-6	33	0	-20	
5579600	626625	54511	-15	31	0	-20	
5579600	626600	54442	-10	-11	0	0	
5579600	626575	54426	0	-25	0	0	
5579600	626550	54624	0	-24	0	0	
5579600	626525	54500	14	-16	0	0	
5579600	626500	54417	2	-8	0	0	
5579600	626475	53922	20	-24	0	0	
5579600	626450	54326	20	-8	0	0	
5579600	626425	54024	10	10	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579600	626400	54486	20	-10	0	0	
5579600	626375	54180	20	-5	0	0	
5579600	626350	54191	15	-5	0	-40	
5579600	626325	54363	30	-15	40	-40	
5579600	626300	53620	20	-5	0	0	
5579600	626275	54129	30	-5	40	0	
5579600	626250	54427	25	-5	0	40	
5579600	626225	53860	30	-5	0	40	
5579600	626200	53818	30	-5	0	0	
5579600	626175	54002	30	-5	0	-40	
5579600	626150	54318	35	-20	40	-40	
5579600	626125	53805	45	20	0	40	
5579600	626100	54019	0	80	0	40	
5579600	626075	54236	0	25	0	0	
5579600	626050	54230	20	-50	0	0	
5579600	626025	54440	30		0		
5579700	627500	54071	0		0		10
5579700	627475	54278	-20		4		
5579700	627450	54346	-5	-11	-10	14	
5579700	627425	54103	-4	-21	0	-6	
5579700	627400	54030	0	-9	0	-10	
5579700	627375	54388	0	-4	0	0	
5579700	627350	54199	0	20	0	0	
5579700	627325	53800	-20	38	0	0	
5579700	627300	53101	-18	-2	0	0	
5579700	627275	54118	0	-23	0	0	
5579700	627250	54262	-15	13	0	0	
5579700	627225	54355	-16	3	0	10	
5579700	627200	54425	-2	-29	-10	10	
5579700	627175	53955	0	-8	0	-10	
5579700	627150	54440	-10	8	0	-10	
5579700	627125	53890	0	-10	0	0	
5579700	627100	54282	0	-10	0	0	
5579700	627075	54355	0	2	0	0	
5579700	627050	54134	-2	12	0	0	
5579700	627025	54194	-10	14	0	0	
5579700	627000	54201	-6	-6	0	0	
5579700	626975	54544	0	-16	0	0	
5579700	626950	54527	0	-4	0	0	
5579700	626925	54378	-2	2	0	0	
5579700	626900	54334	0	-2	0	0	
5579700	626875	54391	0	-2	0	0	
5579700	626850	54366	0	5	0	-10	
5579700	626825	54608	-5	15	10	-10	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579700	626800	54597	-10	10	0	10	
5579700	626775	54327	-5	-5	0	10	
5579700	626750	54121	-5	-13	0	-10	
5579700	626725	54432	3	-3	10	0	
5579700	626700	54389	-10	5	-10	20	
5579700	626675	54660	3	-5	0	0	
5579700	626650	54276	-5	-4	0	-10	
5579700	626625	54076	2	26	0	0	
5579700	626600	54273	-30	15	0	0	
5579700	626575	54502	12	-17	0	0	
5579700	626550	54461	-23	5	0	0	
5579700	626525	54535	0	-76	0	0	
5579700	626500	54684	65		0		
5579700	626475						
5579700	626450						
5579700	626425	54441	20		0		
5579700	626400	54985	15		0		
5579700	626375	54869	165	-140	0	-4	
5579700	626350	54931	10	160	4	-4	
5579700	626325	54687	10	152	0	4	
5579700	626300	54339	13	-18	0	4	
5579700	626275	54368	25	-17	0	0	
5579700	626250	54649	15	3	0	0	
5579700	626225	54313	20	0	0	0	
5579700	626200	54645	20	-5	0	0	
5579700	626175	54434	20	0	0	0	
5579700	626150	54526	20	0	0	-40	
5579700	626125	54546	20	0	40	-40	
5579700	626100	54526	20	0	0	40	
5579700	626075	54117	20	10	0	0	
5579700	626050	54477	10	10	40	-80	
5579700	626025	54781	20	-15	40	0	
5579700	626000	54692	25		0		
5579800	627500						11
5579800	627475						
5579800	627450						
5579800	627425						
5579800	627400						
5579800	627375						
5579800	627350	54541	15		0		
5579800	627325	54500	-5		0		
5579800	627300	54930	0	26	0	-10	
5579800	627275	54656	-16	35	10	-10	
5579800	627250	54403	-24	8	0	10	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579800	627225	54269	0	-40	0	10	
5579800	627200	54727	0	-17	0	0	
5579800	627175	54219	-7	22	0	0	
5579800	627150	54608	-15	23	0	-10	
5579800	627125	54693	-15	5	10	-10	
5579800	627100	54497	-12	-8	0	10	
5579800	627075	54209	-10	-15	0	10	
5579800	627050	54414	-2	-10	0	0	
5579800	627025	54613	-10	3	0	0	
5579800	627000	54631	-5	11	0	0	
5579800	626975	54313	-18	9	0	0	
5579800	626950	54424	-6	-12	0	0	
5579800	626925	54442	-5	-9	0	0	
5579800	626900	54324	-10	-1	0	0	
5579800	626875	54340	0	-15	0	0	
5579800	626850	54634	0	-5	0	0	
5579800	626825	54171	-5	5	0	0	
5579800	626800	54307	0	10	0	0	
5579800	626775	54500	-15	40	0	2	
5579800	626750	54394	-30	33	-2	2	
5579800	626725	54435	-18	-7	0	-2	
5579800	626700	54804	-20	-10	0	-2	
5579800	626675	54032	-18	-20	0	0	
5579800	626650	54621	0	-28	0	0	
5579800	626625	54427	-10	-8	0	0	
5579800	626600	54152	0	-10	0	0	
5579800	626575	54275	0	-15	0	0	
5579800	626550	54548	5	-5	0	0	
5579800	626525	54410	0	1	0	20	
5579800	626500	54424	4	17	-20	20	
5579800	626475	53998	-16	20	0	-20	
5579800	626450	54310	0	3	0	-20	
5579800	626425	54195	-15	-1	0	0	
5579800	626400	54523	0	-15	0	0	
5579800	626375	54285	0	-15	0	0	
5579800	626350	54521	0	30	0	10	
5579800	626325	53996	-30	54	-10	10	
5579800	626300	54417	-24	-6	0	-10	
5579800	626275	54406	0	-44	0	-10	
5579800	626250	53988	-10	-14	0	0	
5579800	626225	54383	0	12	0	-10	
5579800	626200	54376	-22	22	10	-10	
5579800	626175	54779	-10	-12	0	10	
5579800	626150	54507	0	-32	0	10	
5579800	626125	54332	0	-5	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579800	626100	54196	-5	9	0	0	
5579800	626075	54440	-4	5	0	0	
5579800	626050	54495	-6	13	0	0	
5579800	626025	54347	-16	6	0	0	
5579800	626000	54330	0		0		
5579900	627500						12
5579900	627475						
5579900	627450						
5579900	627425	54298	-5		0		
5579900	627400	53721	-65		0		
5579900	627375	53946	-4	-66	0	0	
5579900	627350	54267	0	-64	0	0	
5579900	627325	53996	-5	9	0	0	
5579900	627300	53939	-8	11	0	0	
5579900	627275	54035	-8	5	0	0	
5579900	627250	53992	-10	-1	0	0	
5579900	627225	54013	-5	-7	0	0	
5579900	627200	54255	-6	-13	0	-14	
5579900	627175	53941	4	-13	14	6	
5579900	627150	53640	-2	0	-20	34	
5579900	627125	54260	0	12	0	4	
5579900	627100	53615	-10	13	-10	-10	
5579900	627075	54337	-5	0	0	-10	
5579900	627050	53997	-5	0	0	-10	
5579900	627025	54110	-10	4	0	0	
5579900	627000	53790	-4	4	0	10	
5579900	626975	54146	-15	19	-10	10	
5579900	626950	54079	-18	19	0	-18	
5579900	626925	53887	-20	-13	8	-18	
5579900	626900	54190	0	-38	0	8	
5579900	626875	54037	0	-12	0	8	
5579900	626850	53936	-8	13	0	0	
5579900	626825	54266	-5	17	0	0	
5579900	626800	54578	-20	15	0	0	
5579900	626775	53882	-8	-12	0	-4	
5579900	626750	54341	-5	-23	4	-4	
5579900	626725	54398	0	7	0	4	
5579900	626700	54304	-20	15	0	4	
5579900	626675	54130	0	-28	0	0	
5579900	626650	53769	8	-28	0	0	
5579900	626625	54393	0	8	0	0	
5579900	626600	54307	0	4	0	4	
5579900	626575	54153	4	-4	-4	4	
5579900	626550	54377	0	-18	0	-4	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5579900	626525	53980	22	-18	0	-4	
5579900	626500	54980	0	6	0	0	
5579900	626475	53261	16	-49	0	0	
5579900	626450	54018	55	-84	0	-10	
5579900	626425	54198	45	26	10	-10	
5579900	626400	54069	0	100	0	10	
5579900	626375	53908	0	45	0	10	
5579900	626350	53954	0	0	0	0	
5579900	626325	54410	0	0	0	0	
5579900	626300	54240	0	-3	0	0	
5579900	626275	54028	3	-3	0	0	
5579900	626250	53922	0	3	0	0	
5579900	626225	54096	0	3	0	0	
5579900	626200	54207	0	-60	0	0	
5579900	626175	54405	60	-60	0	0	
5579900	626150	54191	0	36	0	0	
5579900	626125	54416	24	48	0	0	
5579900	626100	53665	-12	36	0	0	
5579900	626075	54130	0	24	0	0	
5579900	626050	53821	-12	25	0	0	
5579900	626025	53975	-25	20	0	0	
5579900	626000	54193	-7		0		
5578700	627500	54562	5		0		13
5578700	627475	54487	3		0		
5578700	627450	54383	0	8	0	0	
5578700	627425	54262	0	3	0	0	
5578700	627400	54589	0	-17	0	0	
5578700	627375	54703	17	-32	0	0	
5578700	627350	54094	15	-18	0	-40	
5578700	627325	54443	20	-33	40	-40	
5578700	627300	54595	45	7	0	0	
5578700	627275	53956	-17	79	40	-40	
5578700	627250	54492	3	-15	40	0	
5578700	627225	54289	40	-49	0	80	
5578700	627200	54238	-5	-2	0	40	
5578700	627175	54299	50	10	0	0	
5578700	627150	53924	-25	70	0	0	
5578700	627125	54585	0	-10	0	0	
5578700	627100	54456	35	-70	0	0	
5578700	627075	53994	10	-30	0	0	
5578700	627050	54706	55	-45	0	0	
5578700	627025	54443	35	30	0	0	
5578700	627000	54690	0	130	0	0	
5578700	626975	54676	-40	40	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578700	626950	54638	35	-20	0	0	
5578700	626925	54760	-55	50	0	0	
5578700	626900	54230	0	-42	0	-40	
5578700	626875	54446	22	-102	40	-40	
5578700	626850	54583	25	-3	0	40	
5578700	626825	54169	0	82	0	40	
5578700	626800	54027	-35	60	0	0	
5578700	626775	54313	0	-60	0	-40	
5578700	626750	54448	25	-38	40	-40	
5578700	626725	54116	-22	12	0	40	
5578700	626700	54449	35	-62	0	40	
5578700	626675	54540	30	-42	0	-40	
5578700	626650	54702	25	40	40	-40	
5578700	626625	54697	0	55	0	40	
5578700	626600	54352	0	25	0	40	
5578700	626575	54444	0	-17	0	0	
5578700	626550	54199	17	23	0	0	
5578700	626525	54538	-40	32	0	0	
5578700	626500	54683	25	-48	0	0	
5578700	626475	54155	0	-15	0	0	
5578700	626450	54211	0	20	0	0	
5578700	626425	54230	5	-5	0	0	
5578700	626400	54634	0	-30	0	0	
5578700	626375	54176	35	-50	0	0	
5578700	626350	54219	20	38	0	0	
5578700	626325	54341	-23	53	0	0	
5578700	626300	54470	25	-28	0	0	
5578700	626275	54342	0	2	0	0	
5578700	626250	54608	0	2	0	0	
5578700	626225	54492	23	-48	0	0	
5578700	626200	54193	25	-47	0	0	
5578700	626175	54410	45	-37	0	0	
5578700	626150	54554	40	0	0	0	
5578700	626125	54379	30		0		
5578700	626100						
5578700	626075						
5578700	626050	53654	3		0		
5578700	626025	53830	45		0		
5578700	626000	54367	45	3	0	0	
5578300	627500	54641	0	70	0	0	14
5578300	627475	54491	20	5	0	0	
5578300	627450	54415	20	-45	0	-40	
5578300	627425	54295	45		40		
5578300	627400						

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578300	627375						
5578300	627350	54429	20		0		
5578300	627325						
5578300	627300	54676	55		0		
5578300	627275	54204	30		40		
5578300	627250	54229	40	15	0	0	
5578300	627225	54522	30	10	40	-40	
5578300	627200	54220	30	15	40	-40	
5578300	627175	54120	25	15	40	40	
5578300	627150	54238	20	15	0	40	
5578300	627125	54203	20	-5	40	-40	
5578300	627100	54202	30	-20	40	-40	
5578300	627075	54167	30	0	40	40	
5578300	627050	54154	20	30	0	80	
5578300	627025	54390	10	20	0	0	
5578300	627000	54560	20	-5	40	-40	
5578300	626975	54381	15	15	0	40	
5578300	626950	53894	0	35	0	40	
5578300	626925	54354	0	15	0	0	
5578300	626900	54477	0	0	0	0	
5578300	626875	54133	0	-10	0	0	
5578300	626850	54380	10	-25	0	0	
5578300	626825	54851	15	-5	0	-40	
5578300	626800	54160	0	5	40	-40	
5578300	626775	54704	20	-30	0	40	
5578300	626750	54625	25	-25	0	40	
5578300	626725	54458	20	5	0	0	
5578300	626700	54269	20	10	0	0	
5578300	626675	54462	15	5	0	0	
5578300	626650	54472	20	0	0	0	
5578300	626625	53950	15	15	0	-40	
5578300	626600	54439	5	30	40	-40	
5578300	626575	54617	0	0	0	40	
5578300	626550	54275	20	5	0	40	
5578300	626525	54218	-20	10	0	0	
5578300	626500	54438	30	-70	0	0	
5578300	626475	54183	40	-50	0	0	
5578300	626450	54391	20		0		
5578400	627500	54516	15		0		15
5578400	627475	54356	20		0		
5578400	627450	54423	10	25	30	-30	
5578400	627425	54341	0	-10	0	-10	
5578400	627400	54257	40	-90	40	-10	
5578400	627375	54150	60	-60	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578400	627350	54356	40	20	40	-40	
5578400	627325	54302	40	30	40	-40	
5578400	627300	54534	30	20	40	40	
5578400	627275	54494	30	40	0	80	
5578400	627250	54490	0	60	0	40	
5578400	627225	54788	0	0	0	-40	
5578400	627200	54484	30	-30	40	-40	
5578400	627175	54776	0	-5	0	40	
5578400	627150	54319	35	-30	0	40	
5578400	627125	54469	25	-15	0	0	
5578400	627100	54611	25	30	0	-40	
5578400	627075	54252	5	20	40	-80	
5578400	627050	54906	25	-10	40	0	
5578400	627025	54264	15	15	0	80	
5578400	627000	54276	0	10	0	40	
5578400	626975	54443	30	-15	0	0	
5578400	626950	54536	0	15	0	0	
5578400	626925	54504	15	15	0	0	
5578400	626900	54435	0	-5	0	0	
5578400	626875	54477	20	-20	0	0	
5578400	626850	54582	15	-20	0	0	
5578400	626825	54669	25	-20	0	0	
5578400	626800	54523	30	-15	0	-40	
5578400	626775	54165	25	-5	40	-80	
5578400	626750	54520	35	-20	40	0	
5578400	626725	54480	40	-15	0	80	
5578400	626700	54335	35	10	0	40	
5578400	626675	54269	30	35	0	0	
5578400	626650	54111	10	25	0	-40	
5578400	626625	54332	30	-25	40	-40	
5578400	626600	54248	35	-20	0	40	
5578400	626575	54289	25	10	0	40	
5578400	626550	54569	30		0		
5578500	627500	54282	35		0		16
5578500	627475	54611	20		0		
5578500	627450	54173	35	-5	40	-80	
5578500	627425	54053	25	-15	40	0	
5578500	627400	53854	45	15	0	40	
5578500	627375	53623	0	35	40	-40	
5578500	627350	54147	35	10	40	-40	
5578500	627325	53961	0	35	40	0	
5578500	627300	54078	0	10	40	0	
5578500	627275	54015	25	-60	40	0	
5578500	627250	53729	35	-10	40	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578500	627225	53882	0	35	40	40	
5578500	627200	53983	25	-15	0	40	
5578500	627175	54060	25	-20	40	0	
5578500	627150	53952	20	20	0	0	
5578500	627125	53542	10	35	40	-40	
5578500	627100	54252	0	30	40	0	
5578500	627075	53844	0	-10	0	80	
5578500	627050	53898	20	-40	0	40	
5578500	627025	53642	20	0	0	0	
5578500	627000	53751	0	15	0	0	
5578500	626975	53737	25	-5	0	0	
5578500	626950	54166	0	15	0	0	
5578500	626925	54095	10	-10	0	0	
5578500	626900	53595	25	-15	0	-40	
5578500	626875	54263	0	15	40	-40	
5578500	626850	54076	20	-15	0	40	
5578500	626825	53947	20	0	0	40	
5578500	626800	54293	0	10	0	0	
5578500	626775	54072	30	-35	0	-40	
5578500	626750	54196	25	-15	40	-40	
5578500	626725	54076	20	25	0	40	
5578500	626700	54029	10	15	0	40	
5578500	626675	53844	20	-15	0	0	
5578500	626650	53639	25	-20	0	0	
5578500	626625	53562	25	-10	0	0	
5578500	626600	54014	30		0		
5578200	627500	54410	10		40		17
5578200	627475	54202	0		40		
5578200	627450	54814	10	-25	0	40	
5578200	627425	54375	25	-25	40	0	
5578200	627400	54589	10	25	0	40	
5578200	627375	54139	0	35	0	40	
5578200	627350	54365	0	25	0	0	
5578200	627325	54198	-15	15	0	0	
5578200	627300	54604	0	-15	0	0	
5578200	627275	54485	0	-15	0	0	
5578200	627250	54261	0	-50	0	-40	
5578200	627225	54784	50	-70	40	-80	
5578200	627200	54377	20	10	40	-40	
5578200	627175	54719	20	30	40	0	
5578200	627150	54123	20	35	40	40	
5578200	627125	54467	-15	55	0	80	
5578200	627100	54329	0	5	0	40	
5578200	627075	54249	0	-15	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578200	627050	54563	0	0	0	0	
5578200	627025	54542	0	0	0	0	
5578200	627000	54656	0		0		
5578200	626975						
5578200	626950						
5578200	626925	54685	20		40		
5578200	626900	54274	10		40		
5578200	626875	54563	0	10	40	0	
5578200	626850	54725	20	-10	40	0	
5578200	626825	54478	0	-10	40	40	
5578200	626800	54629	30	-30	0	80	
5578200	626775	54423	20	-15	0	40	
5578200	626750	54484	25	10	0	0	
5578200	626725	54546	15	0	0	-40	
5578200	626700	54320	30	-20	40	-40	
5578200	626675	54541	30	10	0	0	
5578200	626650	54602	5	55	40	0	
5578200	626625	54645	0	20	0	40	
5578200	626600	54380	15	-35	0	40	
5578200	626575	54017	25	-30	0	0	
5578200	626550	54291	20		0		
5578600	627500	54270	25		40		18
5578600	627475	54235	10		-40		
5578600	627450	54278	30	5	-30	70	
5578600	627425	54299	0	40	-40	-30	
5578600	627400	54294	0	30	0	-70	
5578600	627375	54243	0	0	0	-80	
5578600	627350	54130	0	0	40	-40	
5578600	627325	54376	0	0	0	0	
5578600	627300	54094	0	0	40	-40	
5578600	627275	53738	0	0	40	-40	
5578600	627250	54183	0	0	40	0	
5578600	627225	54369	0	0	40	40	
5578600	627200	54556	0	0	0	40	
5578600	627175	54108	0	-15	40	0	
5578600	627150	54154	15	-15	0	40	
5578600	627125	54340	0	-10	0	40	
5578600	627100	54041	25	-35	0	0	
5578600	627075	54181	25	0	0	-40	
5578600	627050	54344	0	50	40	-80	
5578600	627025	54511	0	25	40	0	
5578600	627000	54010	0	0	0	80	
5578600	626975	54144	0	0	0	40	
5578600	626950	54175	0	-15	0	0	

EARNY	VLF-EM	SOUTH GRID					
North	West	Mag	VLF-EM	VLF-EM (FF)	Quad	Quad (FF)	Line No.
5578600	626925	54070	15	-15	0	0	
5578600	626900	54186	0	15	0	-40	
5578600	626875	53775	0	15	40	-80	
5578600	626850	54300	0	-20	40	0	
5578600	626825	54107	20	-35	0	40	
5578600	626800	53895	15	-10	40	-40	
5578600	626775	54308	15	-5	40	-40	
5578600	626750	54010	25	-20	40	40	
5578600	626725	53947	25	0	0	80	
5578600	626700	54118	15	5	0	40	
5578600	626675	54015	30	-5	0	40	
5578600	626650	54115	15	15	-40	80	
5578600	626625	54295	15	5	-40	40	
5578600	626600	54093	25	-20	-40	0	
5578600	626575	53826	25	-15	-40	0	
5578600	626550	53863	30	-5	-40	-40	
5578600	626525	53947	25	5	0	-80	
5578600	626500	54063	25		0		