ASSESSMENT REPORT

2010 Geophysical and Geochemical Surveys, Merit Gold Property, British Columbia, Canada

Tenure Nos. 506068, 511682, 511707, 518712

NTS 92I/3; BCGS 092I005/015

Latitude 50°07'N, Longitude 121°05'W

UTM Zone 10: 637000E, 5553000N (NAD 83)

Nicola Mining Division B.C.

Owner: Almaden Minerals Ltd.

Operator: Sunburst Explorations Inc.
Suite 709 – 837 West Hastings St.
Vancouver, B.C., V6C 3N6

By

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February 15, 2011

Revised August 31, 2011R

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1 Summary

The Merit Gold property, consisting of 4 contiguous mineral claims covering approximately 1906 hectares, is located 22 km west of Merritt and 175 km northeast of Vancouver B.C. Access is via 35 kilometres of paved highway and logging roads from Merritt B.C. The Merit Gold property is currently under option from Almaden Minerals Inc., Vancouver B.C. Sunburst Explorations can earn up to a 60% interest in the Merit gold property by spending $3 million CDN on exploration, and issuing Almaden 700,000 Sunburst shares within five years from the date of listing of the stock on the TSX Venture Exchange (TSX-V). Sunburst spent $107,501 on the Merit Gold Property in 2010.

The dominant rock assemblage underlying the Merit property is the Cretaceous Spius Creek Formation, a basaltic andesite unit. This is the upper sequence of the Spences Bridge Group which is a broad northwest-trending thick sequence of gently folded volcanics with lesser sediments, dipping shallowly to the northeast.

The Merit property covers veins outcropping intermittently along a strike length of 2,700 metres and is highlighted by two segments of exposed alteration and mineralization called the Discovery Hill and Sullivan's Ridge zones. During the field seasons of 2004 and 2005 an initial property evaluation of the Merit property was carried out by Almaden. The program included prospecting and reconnaissance rock sampling, soil sampling, geological mapping, and hand trenching on two of the three mineral zones identified to date. Highlights of this work include average gold analyses of 965 parts per billion (0.97 gram per tonne) from all 115 reconnaissance rock samples, with values up to 7.9 g/t gold, and three contiguous channel samples which average 7.2 g/t gold across a 1.8-metre-true-width section of outcropping quartz veining and altered host rock exposed by trenching in the main (Sullivan Ridge) zone. The strong association of arsenic, antimony and mercury with gold, the presence of abundant chalcedony and siliceous iron carbonate alteration are typical of a low sulphidation epithermal gold environment. Considerable exploration is now being done in the area of the Merit claims for low-sulphidation epithermal gold targets similar to Sullivan Ridge.

In July and August 2010, Sunburst completed a program of linecutting, an IP/magnetometer survey and detailed soil sampling covering 3 separate grid areas that were established over areas of anomalous gold in soil as defined by Almaden’s 2005 work. The IP survey showed that the Sullivan ridge zone is defined by a zone of high resistivity due to the presence of strong silicification associated with the north trending gold bearing quartz veins. A similar but weaker resisitivity anomaly was defined on the ridge to the west of Sullivan ridge in the

vicinity of the West zone quartz veins. Follow up work in this area included in-fill soil sampling and geologic mapping but no significant new targets were located. A total of 394 soil samples were collected in 2010.

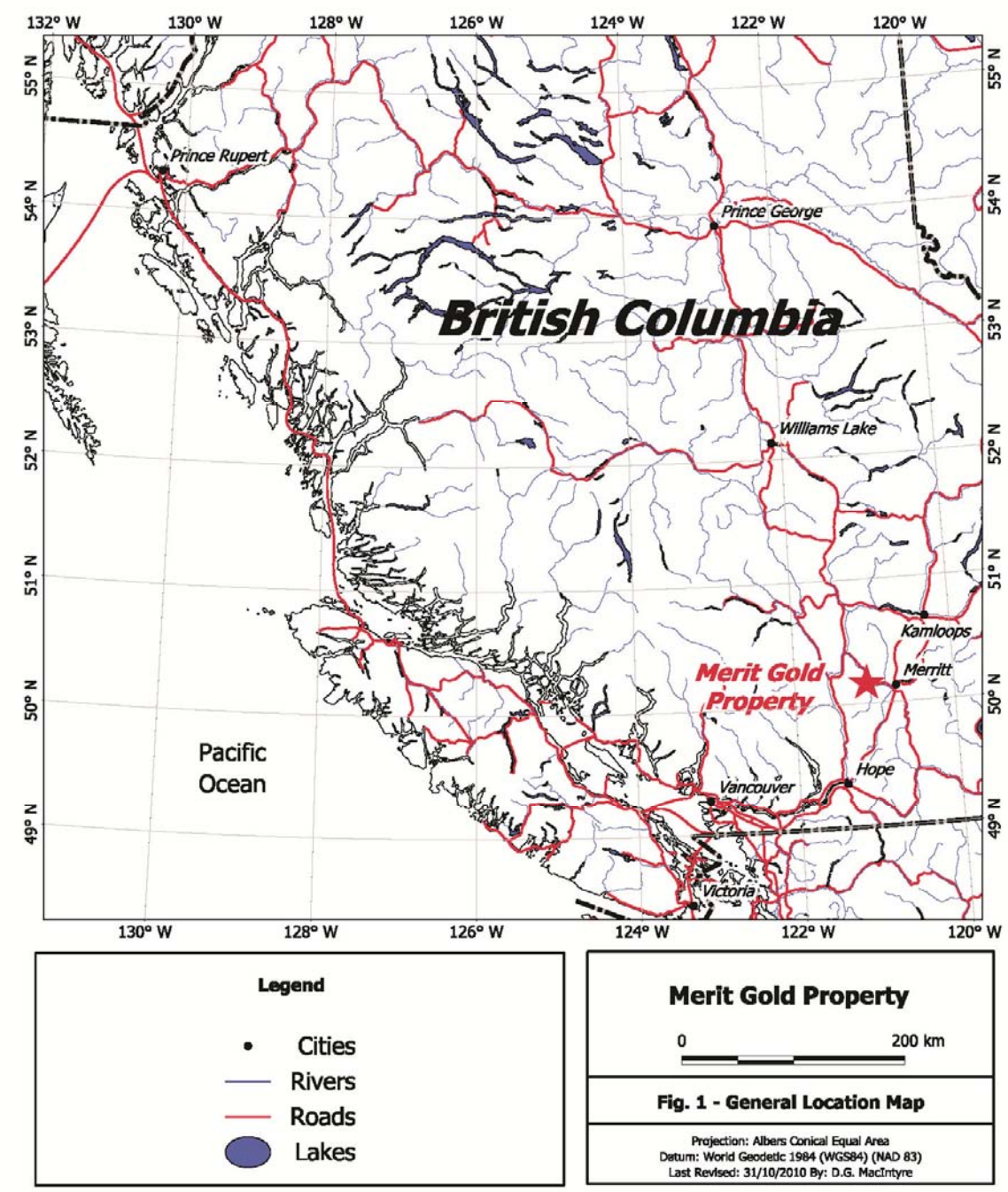

Figure 1. General location map, Merit Gold Property, southern British Columbia.

The main target on the Merit gold property is the Sullivan Ridge zone. It is recommended that this zone be tested by diamond drilling to determine if the showings observed on surface continue to depth. A two stage success contingent drilling program is proposed. The first

stage would involve 1500 metres of drilling. Depending on the results of this work an additional 3000m of diamond drilling and hand trenching would be justified.

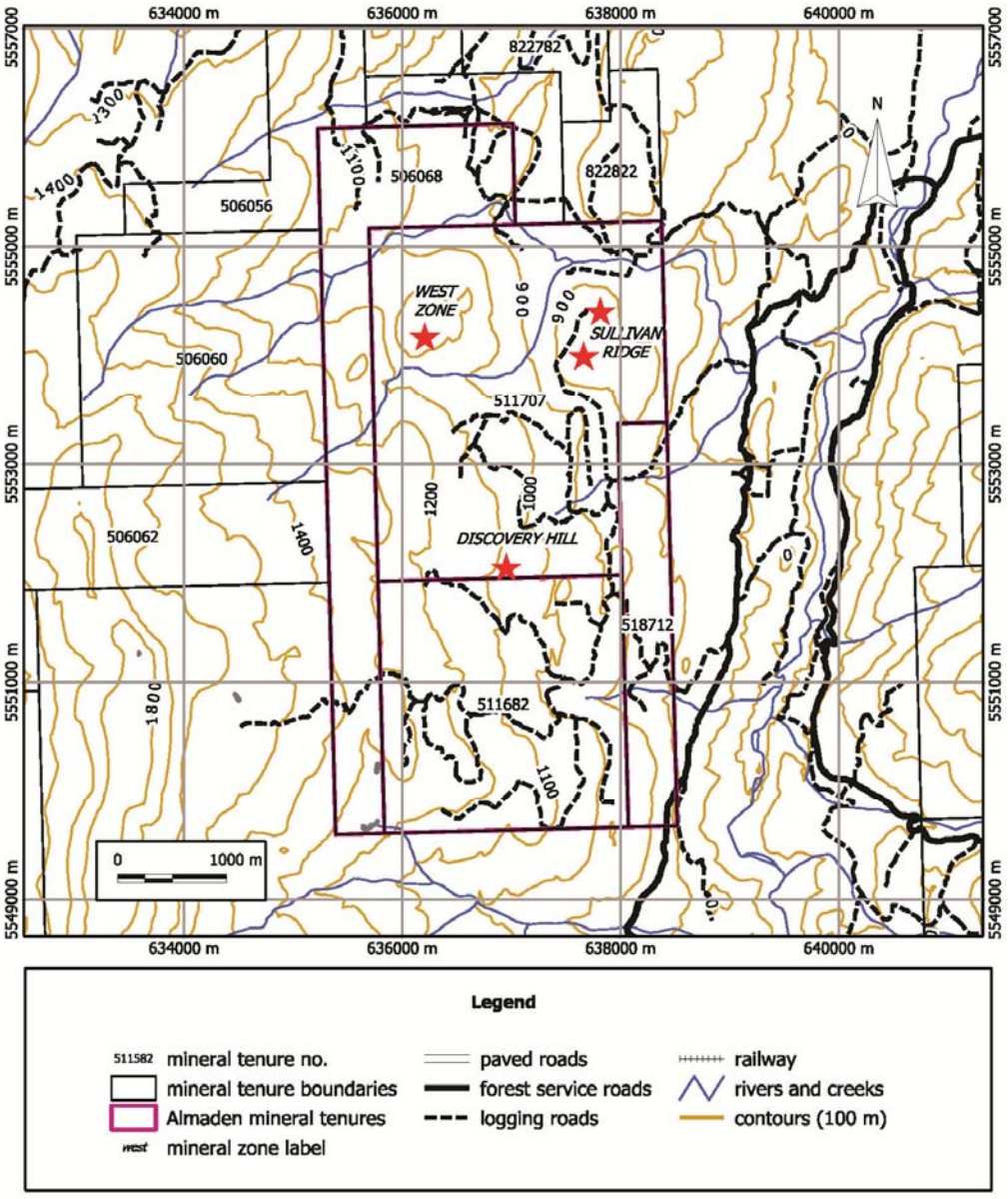

Figure 2. Mineral tenure map, Merit Gold Property, BC.

2 Property Description and Location

The Merit gold property, consisting of 4 contiguous claims covering approximately 1,906.56 hectares, is centered 21.6 km west of the city of Merritt in south central British Columbia (Figure 1). The center of the property is at NTS coordinates 637000E and 5553000N, NAD

83, Zone 10 or in geographic coordinates - Latitude 50°07'N, Longitude 121°05'W. The claims are in NTS map area 92I/3.

2.1 Mineral tenures

The mineral tenures comprising the Merit gold property are shown in Figure 2 and listed in Table 1. The claim map shown in Figure 2 was generated from GIS spatial data downloaded from the Government of BC, Integrated Land Management Branch (ILMB), Land and Resource Data Warehouse (LRDW) data discovery and retrieval system (http://archive.ilmb.gov.bc.ca/lrdw/). These spatial layers are generated by the Mineral-Titles-Online (MTO) electronic staking system that is used to locate and record mineral tenures in British Columbia. The Merit claims have not been surveyed.

Claim details given in Table 1 were obtained using an online mineral tenure search engine available on the Province of BC Mineral Tenures On-Line web site. All claims listed in the table are in the Nicola Mining Division within NTS map sheet 92I/3E and BC Map Sheets 92I005 and 92I015.

2.2 Claim ownership

Information posted on the MTO website indicates that all of the claims listed in Table 1 are owned 100% by Almaden Minerals Ltd. (Free Miners Certificate no. 144134). According to the terms of an option agreement between Almaden and Sunburst Explorations, the later can earn up to a 60% interest in the Merit gold property by spending $3 million CDN on exploration, and issuing Almaden 700,000 Sunburst shares within five years from the date of listing of the stock on the TSX Venture Exchange (TSX-V). Sunburst has until May 31, 2011 to be listed on the TSX-V. Sunburst has agreed to a firm commitment of $C100,000 in exploration expenditures which must be completed by December 31, 2010.

Table 1 List of Mineral Tenures, Merit Gold Property, BC

Tenure Number	Claim Name	Owner	Issue Date	Good To Date	Area (ha)
506068	MRT1	144134 (100%)	2005/Feb/07	2016/Dec/31	414.39
511682	--	144134 (100%)	2005/Apr/26	2016/Dec/31	518.27
511707	--	144134 (100%)	2005/Apr/26	2016/Dec/31	808.07
518712	MRT2	144134 (100%)	2005/Aug/04	2016/Dec/31	165.83
					1906.56

3 Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Merit gold property is accessible via Provincial Highway #8 from Merritt, 18 km west to the old community of Canford, then 7.6 km southwesterly via the Sunshine Valley/Spius Creek – Prospect Creek gravel forestry road system, then 3.6 km west and northwest via old logging spurs into the east central property area (Figure 2). From near this point, the old and partly serviceable logging trail networks extend farther into the central and southern property areas. The northern portion of the claim group is accessible by several branch trails off the Edgar Creek Forestry Road.

The Merit property is situated within the Intermontane physiographic region. The rolling upland terrain in the vicinity of the property is part of the southern Interior (Thompson) Plateau and specifically near the southeast end of the more locally defined Nicoamen Plateau. Topography is moderate to locally steep, with elevations ranging from between 800m and 900m above sea level along the east property boundary to a high of nearly 1,340m along the west boundary.

Plate 1. View southwest showing typical vegetation and terrain on the Merit property.

The deeply incised canyon of Spius Creek, with a floor elevation of 550m to 600m, is located about 3km east of the claim group. The property covers four drainages which flow generally eastwards into Spius Creek, which in turn flows northward into the Nicola River.

From north to south, these drainages are James Creek, Roberts Creek, Richardson Creek and August Creek. The northwestern property area is drained by Edgar Creek which passes northward and eastward into Nuaitch Creek, another tributary of the Nicola River.

Soil and glacial till cover is extensive and generally shallow, but includes locally deep mounds (to >5m thickness) particularly in the southeast quarter of the claim block. Overall bedrock exposure is moderate to locally abundant in road cuts and in some of the stream gullies, as well as on steep upper slopes and ridge tops. Glacial striae have not been observed to date in outcrop on the property; however, the local ice flow direction is shown as southerly in the published literature (Ref GSC Paper 79-25, Figure 12, p 13).

The climate is semi-arid, with commonly hot dry summers having temperatures in the 25^{O}C to 35^{O}C range at Merritt. All areas of the property are generally free of snow from late May or early June through October.

Vegetation consists mainly of widely spaced lodgepole pine, Ponderosa pine and Douglas fir changing to more dense balsam fir, spruce and cedar along creek valleys. Dense brush consisting of alder and grey/red willow is common along most of the stream gullies and road cuts, and in swales between topographic highs. Approximately 50% of the property area has been logged (pre 1960?). Cattle grazing is currently common throughout the area, and the most northeasterly portion of the claim group overlaps private land held by the James Creek Ranch.

4 History

The following history of the Merit property is modified from a previous report by Balon and Hyland (2006). According to this report there are no published records of any prior mineral exploration work in the area covered by the claims that comprise the Merit property, and there are no previously documented mineral occurrences for this locality in the BC Minfile database. No old claim posts have been found to date, however a few very old (apparent) prospect pits are discernible on Sullivan Ridge.

In 1981 a federal-provincial government Regional Geochemical Survey was carried out over the entire Ashcroft (NTS 92I) map area. The initial results of this survey were published in 1982 as BC RGS 8/GSC Open File 866. In 1994 the sample pulps were re-analyzed by improved techniques and for additional elements, including gold. The new data were published as BC RGS 40/GSC Open File 2666 (Jackaman and Matysek, 1994) which identified two moderate gold-in-silt anomalies (both 7ppb) located in the August Creek and Richardson Creek drainages, represented by sample sites numbered 811070 and 811072, respectively.

During the summers of 2002 and 2003, Almaden personnel (Balon, Jakubowski) conducted regional exploration which included two brief stages of prospecting and follow-up geochemical sampling within the above drainages as well as in Roberts, James and Edgar Creeks to the north. Totals of 17 stream sediment, 15 reconnaissance soil and four reconnaissance rock grab samples were collected for multi-element analysis by Acme Analytical Laboratories Ltd. (Acme) of Vancouver, BC. The results of this work confirmed the anomalous gold content in Richardson Creek and generated two new gold-in-silt anomalies in Roberts and Edgar Creeks (10.1 and 13.6ppb Au, respectively). A large quartz-carbonate boulder was noted along a road between Richardson and August Creeks. Iron-rich carbonate alteration and yellow-orange soil colour anomalies were noted elsewhere within and peripheral to the present claims area.

During the summer of 2004, prior to claim staking, Almaden personnel (Balon, Sullivan) carried out more intensive exploration of the area, particularly in the August and Richardson Creek drainage basins. The program included detailed road cut and stream gully prospecting in conjunction with further geochemical sampling. An additional 34 stream sediment, 13 reconnaissance soil and 68 rock grab samples were collected and analysed by Acme for 36 elements. The 2004 work resulted in the identification of numerous significant gold-bearing quartz float occurrences and of a local strongly altered and brecciated outcrop carrying anomalous multi-element values (Discovery Hill). This prompted the staking of the initial MERIT claims. More extensive alteration and mineralisation, called the Sullivan Ridge Zone, was found during claim line location.

Post-staking fieldwork in the autumn of 2004 and during 2005 consisted of grid soil geochemical sampling surveys (1,182 samples), further prospecting and reconnaissance geochemical sampling (1 stream sediment, 8 soil, 43 rock samples), geological mapping of the Sullivan Ridge area, and limited hand trenching with related bedrock mapping/sampling in two mineral zones (45 trench rock samples). All of the samples were delivered to Acme in Vancouver, BC, for 36-element geochemical analysis plus a few selected gold/silver assays.

The great majority of this program was conducted on the conversion claims with Tenure Nos. 511682 and 511707 prior to their first anniversary dates of September 11 and 13, 2005, respectively. Minor prospecting was carried out on Tenure No. 518712 after its August 4, 2005, acquisition date and minor additional trenching was done at the Sullivan Ridge Zone on Tenure No. 511707 on November 1, 2005. The work was conducted by one company employee and four contract personnel, all based at the Douglas Motel in Merritt, BC. The company employee acted as overall supervisor and Qualified Person (QP) for the project. All UTM grid locations were initially recorded in NAD 27 using Garmin 12XL handheld

GPS receiver units; these readings were later converted to NAD 83 for presentation purposes.

A preliminary IP geophysical survey was conducted in 2009 by Almaden which resulted in the definition of a chargeability/resistivity high anomaly under the area of surface geochemistry and trenching. This work has not been filed for assessment credit and is not publicly available. Although the author has not reviewed the results of this work, it is superseded by the IP survey conducted by Sunburst in 2010, results of which are discussed in this report.

5 Geological Setting

5.1 Regional Geology

The following regional and property scale geological descriptions are modified from excellent descriptions included in a previous report by Balon and Hyland (2006).

The regional bedrock geology is shown on Figure 1. This figure covers part of the southern Intermontane Tectonic Belt of the Canadian Cordillera; it was compiled and simplified from GSC Maps 42-1989 (Ashcroft, by J.W.H. Monger and W.J. McMillan, 1989) and 41-1989 (Hope, by J.W.H. Monger, 1989).

Lithologies within the Figure 1 map area include successions of Mesozoic to Tertiary volcanic and sedimentary rocks which have been intruded by plutons of various compositions and ages from Late Triassic and/or Jurassic to Miocene(?). Locally thick deposits of Pleistocene and Recent glacial drift and alluvium are commonly found in all of the major creek and river valleys. Much of the region was overridden during the last Pleistocene glaciation by ice moving generally southeastwards, but more directly southwards in the Merit-Prospect Valley area (Nicoamen Plateau; Ryder, 1975).

The dominant rock assemblage underlying the Merit property is the Cretaceous Spius Creek Formation, a basaltic andesite unit. This is the upper sequence of the Spences Bridge Group which is a broad northwest-trending thick sequence of gently folded volcanics with lesser sediments, dipping shallowly to the northeast. This assemblage includes intermediate, locally felsic and mafic flows and pyroclastics with some sandstone, shale and conglomerate. The upper division was formerly called the Kingsvale Group by earlier government geologists (Rice, 1947; Duffell and McTaggart, 1952; and others before Thorkelson, 1985).

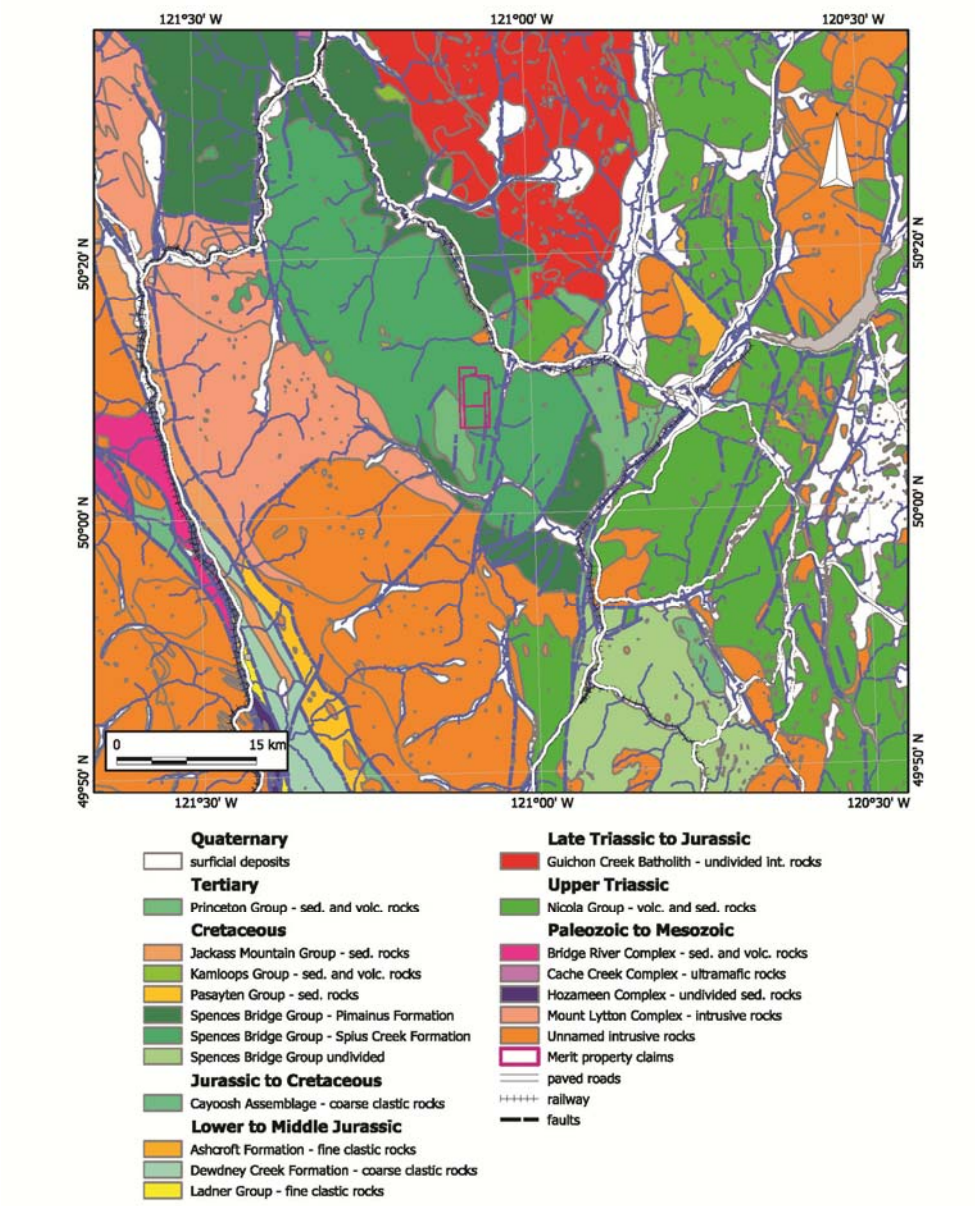

Figure 3. Regional geology, Merit Gold Property

The Spences Bridge Group unconformably overlies older plutonic rocks, mainly granodiorite to diorite/gabbro of the Triassic-Jurassic Mount Lytton Complex 5km southwest of the property. The Spences Bridge Group is unconformably overlain by Eocene Princeton/Kamloops Group mafic and felsic volcanics. The GSC mapping indicates that the southwest corner of the property is covered with Eocene rocks, but their contact with the Spences Bridge Group has not been traced in the field. Small Miocene(?) intrusions of intermediate composition have been found in contact with rocks of the Princeton and Kamloops Groups as well as some older unnamed rocks.

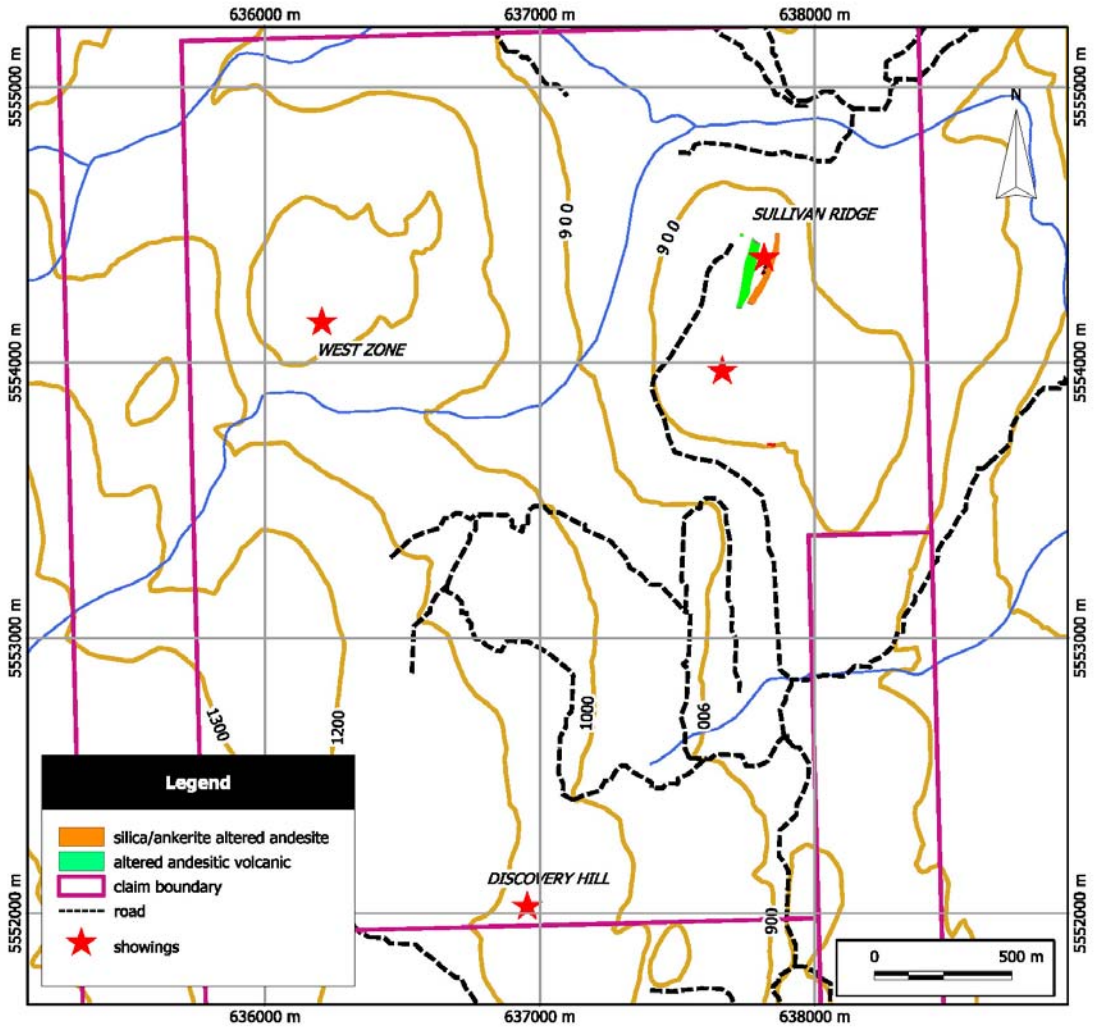

Figure 4. Location of mineral showings, Merit property.

The major structural features in the region are steeply dipping normal faults. The Spius Creek Fault, 1 to 2 kilometres east of the property, appears to be the southern continuation of the Lornex (Big Divide) Fault which transects the Guichon Batholith north of the Merit property. The Spius West Fault is parallel to the Spius Fault and lies along the east boundary of the property. These faults are parallel to subparallel to the Fraser River Fault System. Although faults have been mapped with a variety of attitudes, the dominant trends are north-south and 140^0 – 150^0 (Monger, 1981). It has been postulated that the rocks of the Spences Bridge Group formed as a chain of stratovolcanoes associated with subsiding, fault bounded basins (Souther, 1991 and Thorkelson, 1985).

Low sulphidation type epithermal gold mineralisation hosted by quartz veins and breccia in carbonate altered Spences Bridge volcanics has been found from the Merit to the Skoonka Creek (formerly SAM) properties, a distance of 40 kilometres. Major producers and past-producers in the area include the Highland Valley Mine, Bethlehem Copper and Lornex (all

large volume porphyry copper deposits), and Craigmont, a copper-iron skarn deposit northwest of Merritt.

No effort has been made to date to geologically map the entire Merit property in a systematic manner. Sullivan Ridge and the Sullivan Ridge Zone were mapped at 1:1000 scale during August, 2005 (Balon and Hyland, 2006). The Sullivan Ridge trenches were mapped and sampled at the same time. West Zone trenches were sketch mapped in October, 2004, then expanded and re-mapped during August, 2005 (Balon and Hyland, 2006).

The author spent 4 days in July 2010 examining outcrops in the vicinity of the Au soil anomalies defined by the 2005 soil sampling program. This work confirmed that the property is underlain by a series of moderately east dipping, thick feldspar phyric andesite flows that are typical of the Lower Cretaceous Spius Formation of the Spences Bridge Group. These flows are locally very amygdaloidal with abundant calcite filled amygdules.

The following description is modified from an earlier report by Balon and Hyland (2006). Sullivan Ridge is a prominent ridge of andesitic rocks. On the west the rocks are dark grey-green, fine to medium grained unaltered pyroxene andesites (AV). One small subcrop of weakly silicious, ankeritic andesite breccia (JH-25) was seen in this horizon, and two small outcrops of weakly altered andesite (JH-27, 34) were noted nearby. Slightly porphyritic andesite (PV) with 1mm x 3mm phenocrysts of white feldspar were seen in a couple of locations. Moving easterly to the top of the ridge weakly vesicular andesites (VV) are present. Vesicles comprise 5% to 10% of the rock, and locally are filled with white calcite. This belt appears to vary from 20m to 85m in thickness.

Adjoining the vesicular volcanics on the east is a narrow horizon of variably altered (silica, ankerite) andesitic volcanics (AVa) which grade into a more intensely altered andesite breccia (VBa). Clasts within the breccia are predominantly silicified andesite in a variably silicious and ankeritic matrix with an increasing quantity of clasts of silica/ankerite altered andesite, quartz and chalcedony to the east. The colour of this unit varies from pale yellowish on the west through yellow-orange to rusty orange on the east. The VBa unit hosts the quartz veins exposed in trenches SRT05-1, 2, 3 & 5.

East of the breccia horizon is a belt of intensely carbonate altered and silicified rusty orange AV(?) or VBa(?) of undetermined width. Outcrops of this resistant material (SI/AK) form a line of knobs across the rubble-covered hillside down slope from the quartz horizon. The contact between VBa and SI/AK strikes 000^0 and dips 90^0. The minimum thickness of the SI/AK horizon is 2m (JH-41). The eastern contact of the SI/AK is covered by overburden.

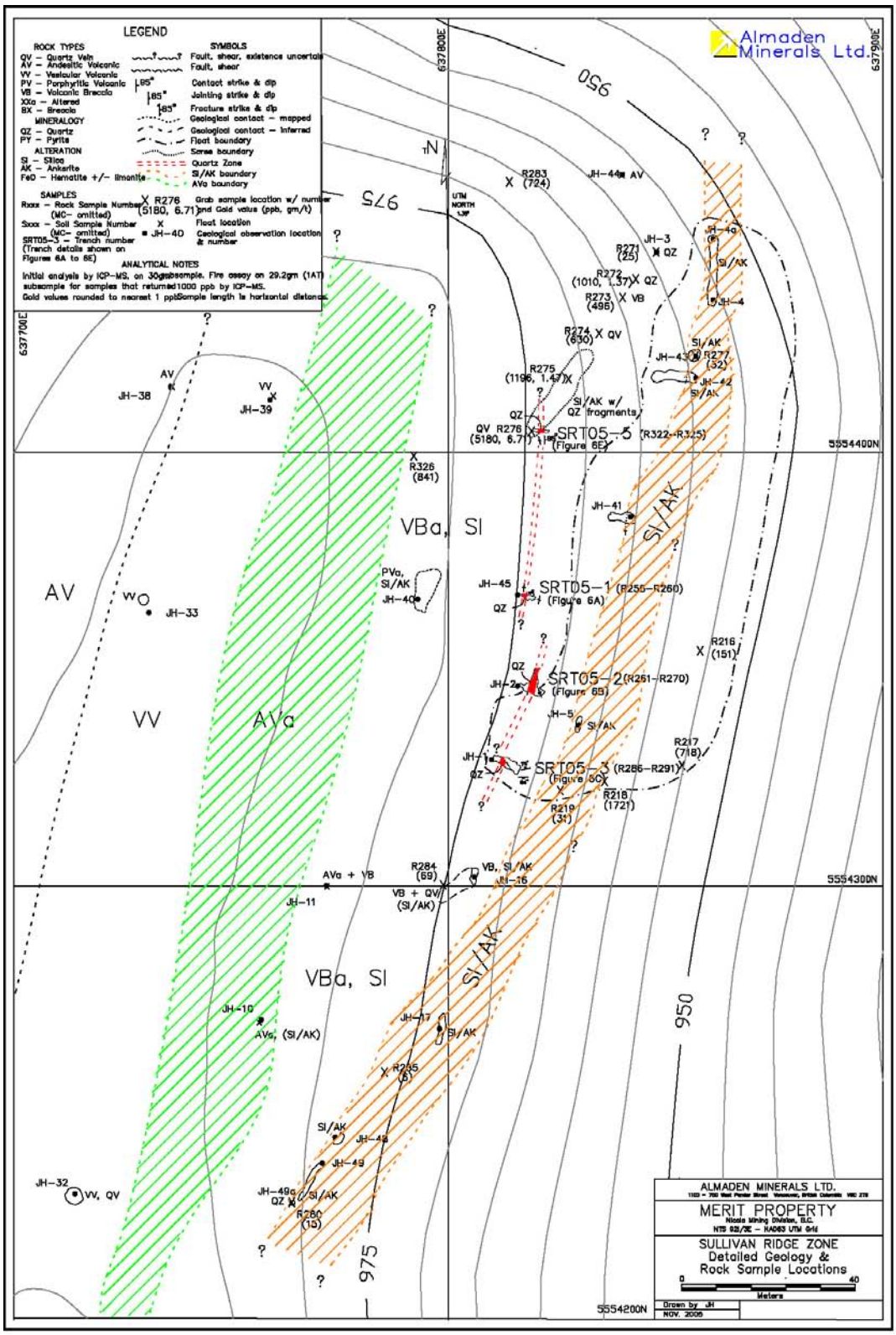

Figure 5. Detailed geology and rock sample locations, Sullivan Ridge zone. Figure from Balon and Hyland, 2005.

The predominant alteration assemblage in the area is quartz-carbonate flooding of brecciated andesite. The carbonate is believed to be ankerite due to the yellowish orange colour. The intensely altered rock is rusty orange and brittle (SI/AK), and clasts of this material occur in the VBa, SI in the trench exposures.

In the trenches, the most abundant mineral is quartz, as narrow to wide veins and as clasts in breccia. In many cases the quartz is chalcedonic. Sulphides are conspicuous by their absence, and native gold has not seen, either with a hand lens or a microscope. Hematite was observed locally, i.e., trench SRT05-5, and variable limonite after primary hematite in the AV host rock is widespread in the altered zones.

The quartz "vein" exposed in trench SRT05-1 appears to have formed by replacement of the host VBa. Poorly defined clasts of SI/AK occur in the VBa. The attitude of the west contact of the vein is 005°/90°. In trench SRT05-2, the quartz zone is 80% to 100% replacement of VBa by white and chalcedonic quartz. The western contact is a steeply dipping to vertical shear.

The vein in trench SRT05-3 is very similar to those exposed in the first two trenches, but the north end is truncated by a fault (312°/90°-85°NE). In trench SRT05-4 at the southern end of the ridge the quartz vein has a well defined eastern contact against the AVa at 010° – 012°/ 90° – 80°W. The quartz "vein" in trench SRT05-5 has a well defined contact with the hanging wall AVa (348°/90°), whereas the footwall contact is gradational from AVa to SI/AK to quartz vein, and locally is very hematitic. This contact zone is estimated to be at 000°/85°W. Within the vein is a second transitional zone of incompletely replaced SI/AK with quartz stringers.

Within the context of the limited trench-exposed mineralisation, the gold content is highly variable. Visually, the quartz seen in trenches SRT05-1, 2, 3 and 5 is very similar, yet the gold content of the quartz varies from only 20ppb in trench SRT05-3 to nearly 15g/t in trench SRT05-5. A cursory examination of the 36 element analytical results from the trench samples indicates a strong positive correlation between arsenic and gold, and possibly a weak negative correlation between iron and gold.

Faults have been postulated for the creation of three gullies in VV on the west side of the mapped area, but no offsets were seen. Joints and fractures have a generally northwesterly strike and dip steeply east to west. Faults with gouge were mapped in trenches SRT05-2 and SRT05-3 on Sullivan Ridge and in trench WZT04-3 in the West Zone.

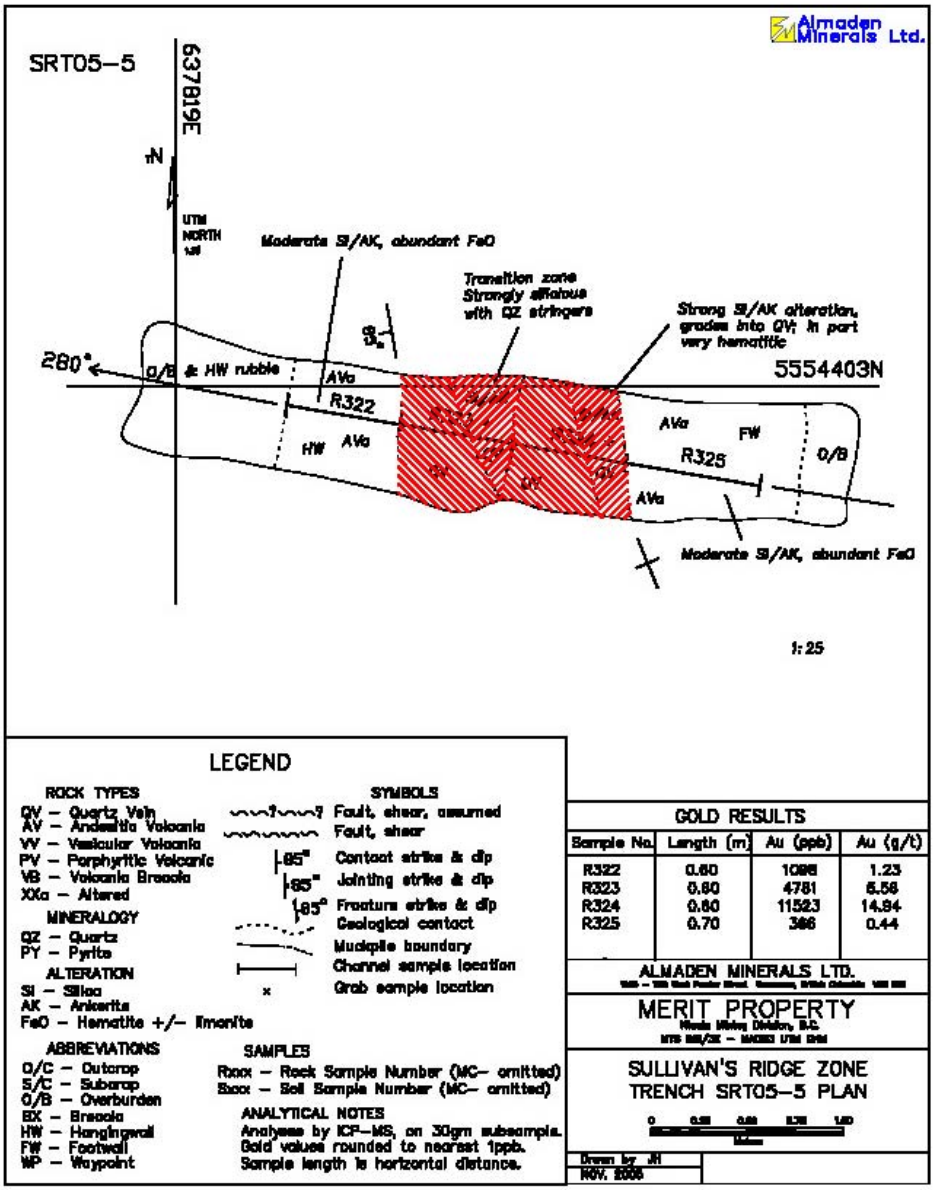

Figure 6. Detailed geology and sampling results, trench SRT05-5, Sullivan Ridge zone. Figure from Balon and Hyland, 2006.

The El Gordo feature is a prominent linear alteration zone that is intermittently traceable on the ground between the north end of Sullivan Ridge and Discovery Hill, a distance of 2.7km at an average azimuth of 201°. This feature is also readily discernible on the BC MapPlace digital elevation model (DEM) hillshade image of the area. On the ground, prospecting on a compass line run along the trend confirmed the presence of locally strong clay and iron-rich carbonate alteration, silicification and brecciation in float and small patches of subcrop. Discovery Hill is a narrow, low ridge (60m long x 10-25m wide) underlain by AVa with similar but much stronger alteration characteristics. This includes patchy intense hematitic silica replacement-type mineralisation carrying weakly elevated gold values (up to 88.8ppb);

anomalous copper, arsenic and antimony; and strongly anomalous barium (up to 1688ppm) and mercury (to 3.51ppm).

A large number of float fragments containing quartz were found south and east of Discovery Hill. Their provenance has not been determined. Of thirty samples taken, twenty-two yielded analyses between 309 ppb and 7,916 ppb gold. Several pieces of lattice-textured bladed calcite with quartz pseudomorphs were found at two separate localities in this area. This texture is considered characteristic of boiling at the upper level of the precious metal deposition zone in an epithermal system.

In the West Zone the quartz vein has well defined contacts with the host andesite. Alteration of the andesite is predominantly silicification with minor ankerite, and sparse disseminated pyrite was noted in the AVa in trench WZT04-1. The gold content of the quartz in the three trenches varied between 5ppb and 395ppb.

6 Deposit Types

The Sullivan Ridge quartz veins are locally vuggy and contain chalcedonic quartz. Wallrocks are silicified with abundant ankerite alteration. There is very low sulphide content overall, either within the quartz veins or in adjoining wall rocks. As pointed out by Balon and Hyland (2006), the strong association of arsenic, antimony and mercury with gold, the presence of abundant chalcedony and silicious iron carbonate alteration are typical of a low sulphidation epithermal gold environment. The characteristic trace element geochemistry and classic mineral textures observed to date, including quartz pseudomorphs of lattice-bladed calcite, are indicative of the upper portions of an epithermal system. This implies only shallow erosion of the source deposit(s).

7 Mineralization

The following description of mineralization observed in trenches is taken from Balon and Hyland (2006). Trench locations are shown in Figure 5.

7.1 Trench SRT05-1

Three small knobs of quartz were found during the reconnaissance phase of the 2004 exploration program. Trench SRT05-1 was dug to expose the hanging wall and footwall of the most northerly exposure. Textures in the quartz zone indicate that it is an extensively silicified and carbonate altered andesite breccia. The principal alteration minerals appear to be silica and ankerite. Locally there is 100% quartz. The west or hanging wall is altered andesite, with rusty orange-yellow ankerite the principal alteration mineral. The immediate

footwall of the quartz zone is probably a breccia, almost totally replaced by silica and ankerite. To the east this grades into a breccia with silica/ankerite and altered andesite clasts. Three channel samples were cut across the intensely altered zone; the gold results of these average 366ppb Au over 2.35m.

7.2 Trench SRT05-2

Trench SRT05-2 was dug on a second quartz knob 20m south of Trench SRT05-1. The rocks in the hanging wall and footwall are similar to those exposed in Trench SRT05-1, with ankeritic andesite and narrow quartz veins on the west side, and silicified andesite breccia on the east. A shear marks the contact between the altered andesite and the quartz zone (80% - 100% quartz). As the shear is approached from the west the quantity of silica in the andesite increases. The samples taken either side of the shear (R263, R264) average 1.72g/t Au over 1.4m.

The quartz zone is intermittently visible 3 – 4m north of the channel sampled section. Two channel samples were taken in this area (R269, R270). Each of these returned in excess of 600ppb Au.

7.3 Trench SRT05-3

This trench was dug on the third quartz knob, 20m south of Trench SRT05-2. Both the hanging wall and footwall rocks of the quartz zone are silica/ankerite altered andesite breccia, with the footwall being very silicious. The quartz zone is truncated on the north by a 10 – 30cm wide shear zone. None of the five samples returned encouraging results.

7.4 Trench SRT05-4

This small trench was located to explore in the vicinity of a large rotated block of brecciated quartz vein. Chip/channel sample MC-R221 (407ppb Au) was taken in 2004. The trenching exposed a 30cm wide, north trending quartz-carbonate vein with altered andesite on the east side. The western contact is hidden by a large tree root. A second sample, MC-R292 (10ppb Au), was taken from another rotated block of brecciated quartz-calcite vein material. A composite soil sample (MC-S127) was obtained; this yielded a strongly anomalous gold value of 106ppb.

7.5 Trench SRT05-5

During the prospecting and mapping program on Sullivan Ridge a number of occurrences of quartz chips and silica/ankerite alteration were noted north of Trench SRT05-1. Six samples of this material were taken (MC-R271 – R276); three returned gold results in excess of 1g/t

Au (R272, 1.37g/t Au; R 275, 1.47g/t Au; R276, 6.71g/t Au). Late in the season, Trench SRT05-5 was dug adjacent to sample R276, 38m north of Trench SRT05-1. The hanging wall and footwall rocks exposed are less silica/ankerite altered than those to the south, but they are more hematitic. Two quartz zones were revealed, with intermediate transition zones of extensive silica/ankerite +/- quartz veins +/- hematite alteration. Three samples returned over 1g/t Au – R322, 1.23g/t Au; R323, 5.56g/t Au; and R 324, 14.94g/t Au. The average of these is 7.24g/t Au over 1.8m. The final sample on the footwall side gave 0.44g/t Au over 0.7m (Figure 6).

7.6 Trench WZT04-1, 2

A large patch of carbonate-altered scree was noted while staking in the northwest corner of the property. Prospecting in this area after the staking was complete led to the discovery of two resistant knobs, which when investigated were found to be underlain by quartz. Trenches WZT04-1 and 2 were dug on the more prominent of these, which are believed to mark a quartz vein continuous over 9.5m and varying where exposed from 0.8m to 1.5m in width. Unfortunately, only one channel sample of the vein material returned over 100ppb Au. This is a strong structure, as angular quartz rubble has been traced for 150m to the north and an equal distance to the south, with a better gold value of 881ppb generated from a grab sample (MC-R243) along this trend.

7.7 Trench WZT04-3

A third resistant knob was found 37m south of Trench WZT04-1 while tracing the trend of the quartz vein in Trenches WZT04-1 and –2. This was trenched and a strong quartz vein exposed. This vein is probably the continuation of the exposures to the north. The northern 3m are highly disturbed, with minor offsets to the northeast. The hanging wall and footwall rocks are mildly altered andesite. Five channel samples were cut in the vein, two tabular quartz boulders found west of the vein were sampled, and a soil grab was taken from the south end of the vein. The soil grab (S126) returned the highest Au value, 781ppb. One of the boulder samples (R294) gave 395ppb Au, and a 0.8m channel sample across the vein (R297) returned 354ppb Au. All but one of the remaining samples contain between 100ppb and 300ppb Au.

As reported by Balon and Hyland (2006), of the 45 samples taken from eight trenches, 22 (48.9%) yielded >100ppb Au and 5 (11.1%) gave over 1000ppb Au. The highest value was 11,523ppb Au, which on assay gave 14.94g/t Au. Five of the trenches were dug on Sullivan Ridge, and the four over the quartz zone at the north end of this ridge are responsible for all the high values. The best mineralised interval encountered to date at Sullivan Ridge occurs in trench SRT05-5, where three contiguous channel samples yielded 7.24g/t Au averaged

over a true width of 1.8m. Two of the trench samples were grab samples of broken material exposed while trenching in the West Zone; the remainder were channel samples, 0.28m to 1.15m in length, taken with a hammer and chisel. The sample weights varied from 3 to 12kg. The West Zone trench samples returned only low gold values.

8 2010 Exploration Program

The work conducted during 2004 and 2005 led to the discovery of one gold-mineralised quartz zone on Sullivan Ridge, a second quartz zone 1.5 km to the west (West Zone), and a large area containing gold-bearing quartz cobbles in the southeast corner of the property. The presence of four well defined high gold soil anomalies, one of which corresponds with Sullivan Ridge, indicates very prospective ground.

Sunburst Explorations can earn up to a 60% interest in the Merit gold property by spending $3 million CDN on exploration, and issuing Almaden 700,000 Sunburst shares within five years from the date of listing of the stock on the TSX Venture Exchange (TSX-V). Sunburst has until May 31, 2011 to be listed on the TSX-V. Sunburst has agreed to a firm commitment of $C100,000 in exploration expenditures which must be completed by December 31, 2010.

As part of its 2010 work commitment, Sunburst contracted Prospec MB Inc. Canada to conduct an IP survey on the Merit property. This survey was designed to target areas of anomalous gold geochemistry in soil samples collected by Almaden in 2005 and 2006. In order to facilitate the IP survey, Sunburst contracted Republic Resources Inc. to provide linecutting services. This work was done between May 16 – 29, 2010. Location of cut grid lines and anomalous samples is shown in Figure 7. The IP survey was conducted between July 22 and August 15, 2010. Survey results in the form of raw and inverted IP and resistivity pseudosections are included in Appendix A and B respectively. Concurrent with the IP survey, Sunburst contracted Ranex Exploration to do a detailed soil sampling grid that partially covered areas of anomalous Au in soil defined by the 2005 soil sampling. Two areas were selected for follow-up – Anomaly A and Anomaly C (Figure 7). Additional soil sampling covering the strong resistivity anomaly detected on the northernmost IP lines was done by the author on September 23, 2010. A limited number of rock samples (8) were also collected by the author. Four of these samples were from trenches in the Sullivan Ridge and West zones. The remainder were collected from a north trending zone of silicification and ankerite alteration located east of the West zone. A summary of expenditures incurred in 2010 is given in Section 13 of this report.

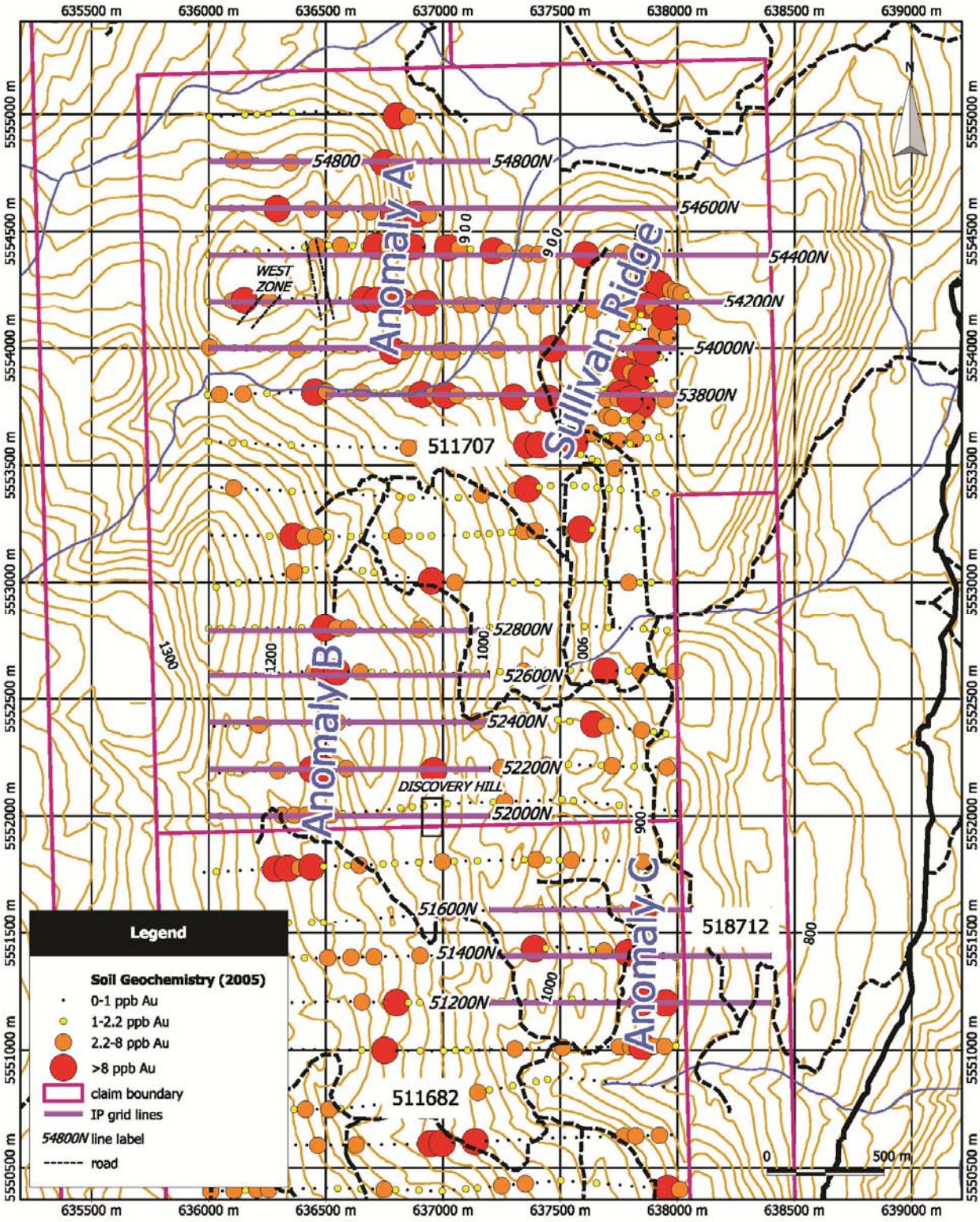

Figure 7. Location of anomalous soil samples from the 2005 soil survey and area covered by the 2010 IP grid.

8.1 Geophysical Survey

During the period July 22 to August 15, 2010, a ground geophysical survey that included Induced Polarization (IP), resistivity, magnetics and self potential measurements was carried out on the property. East-west lines were spaced 200m apart and ranged from 1,200m to 2,400m in length for a total of 19.7 km of surveying. Three grids were established – the north grid (lines 54800N to 53800N) covering soil anomaly A, central grid (lines 52800N to 52000N) covering soil anomaly B and southern grid (lines 51600N to 51200N) covering anomaly C (Figure 7). Measurements were recorded at 50m intervals along cut lines.

The survey was carried out by Prospec MB Inc. (2009). A time domain IP system using a standard pole-dipole array and dipole spacing of 50m was used on the property. The raw pseudosections for both chargeability and resistivity are included in Appendix A. Survey parameters are listed on the raw pseudosections.

The IP survey was successful in defining a number of high contrast resistivity anomalies in the northern grid area that covers soil Anomaly A (Figure 7). Highly resistive zones within or related to Spences Bridge volcanics may be associated with zones of silicification or quartz flooding possibly related to epithermal precious metal mineralization. Overall the higher resistivity zones are typically in the 500 to 600 ohm-m range (Figure 8). As shown in Figure 8, the zone of silicification and quartz veining on Sullivan Ridge shows up as a strong, steeply west dipping resistivity anomaly with values up to 1387 ohm-m on line 54200N.

A similar, but lower amplitude, north trending, steeply dipping resistivity anomaly occurs on the ridge 1.4km to the west and in part corresponds to the location of the quartz veins in the West Zone. The author did additional soil sampling and prospecting along the two most northerly lines on September 23, 2010. Most of the outcrops located in the vicinity of the resistivity anomaly were weakly altered feldspar phyric andesites, some strongly amygdaloidal. No silicified rocks either as float or in outcrop were located. The source of the high resistivity response remains to be determined. More prospecting and trenching may be required to further evaluate this area.

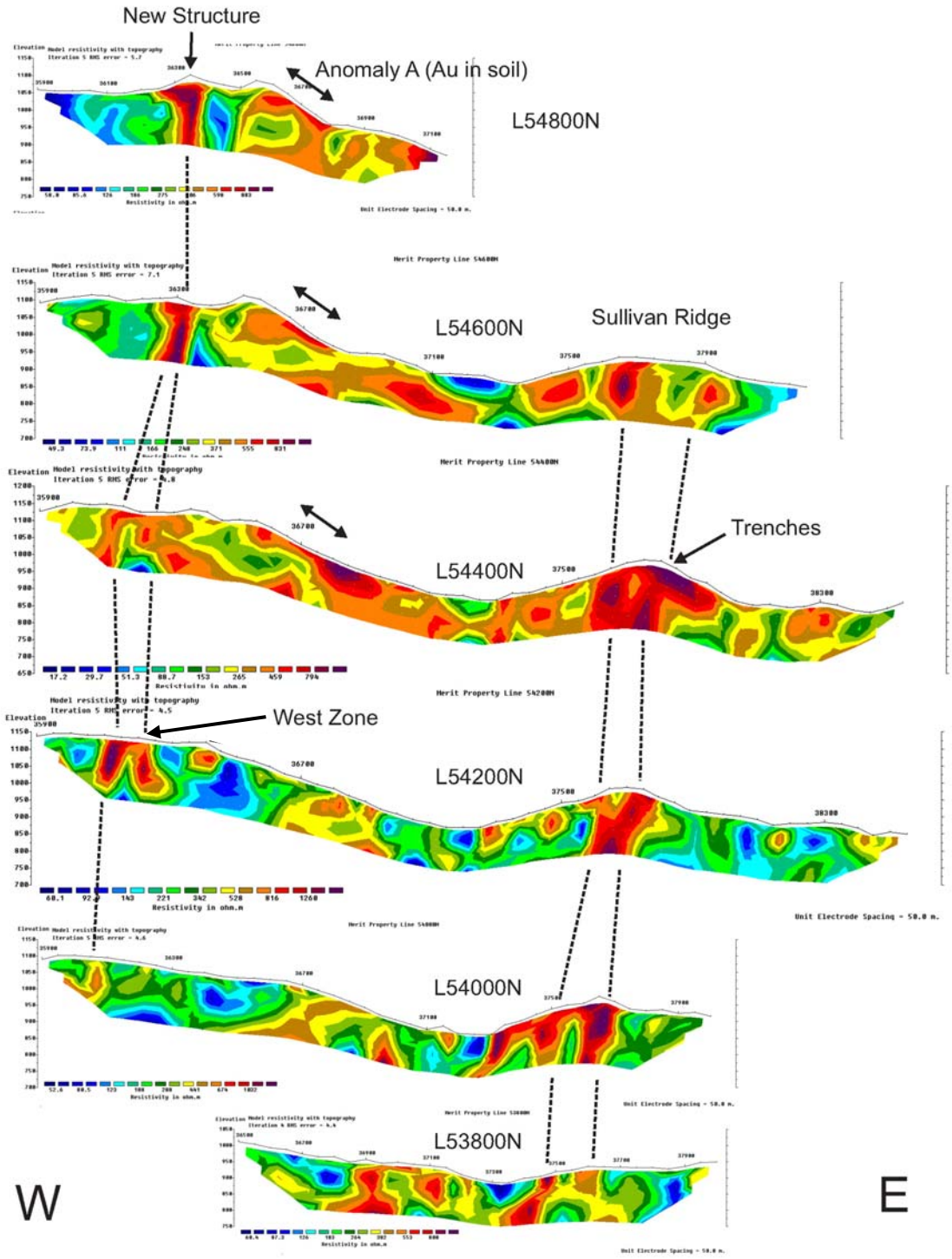

Figure 8. Merit Property IP - stacked modeled resistivity profiles for the North Grid.

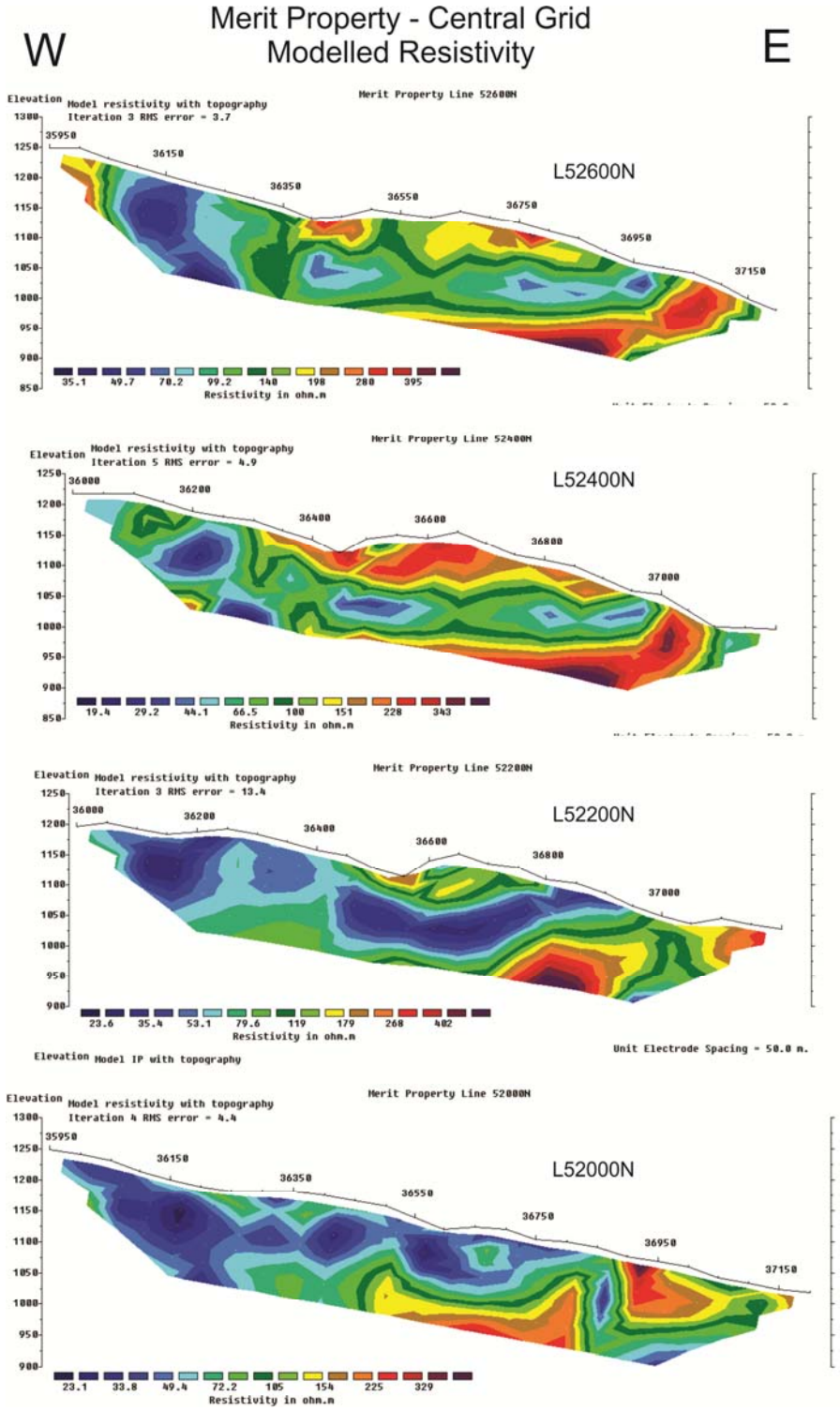

Figure 9. Merit Property IP - stacked modeled resistivity profiles for the central grid.

Apparent chargeabilities in the survey are generally low, in the range of 1 to 5 milliseconds (ms). Higher chargeabilities, in the range of 6 to 10 ms, are believed to reflect weakly disseminated sulphides. Most of the higher responses were at depth. Line 51400 which transects the Anomaly C target (Figure 7) had the highest overall chargeability response (Appendix B). However, outcrops along this line were examined by the author and all were unaltered to weakly altered feldspar phyric andesites. No sulphides were observed in these rocks.

The data presented in Figures 8 and 9 has been modelled using the IP inversion modelling program developed by the University of British Columbia. Inverted and normalized IP and resistivity sections for the 14 lines surveyed in 2010 are included in Appendix B.

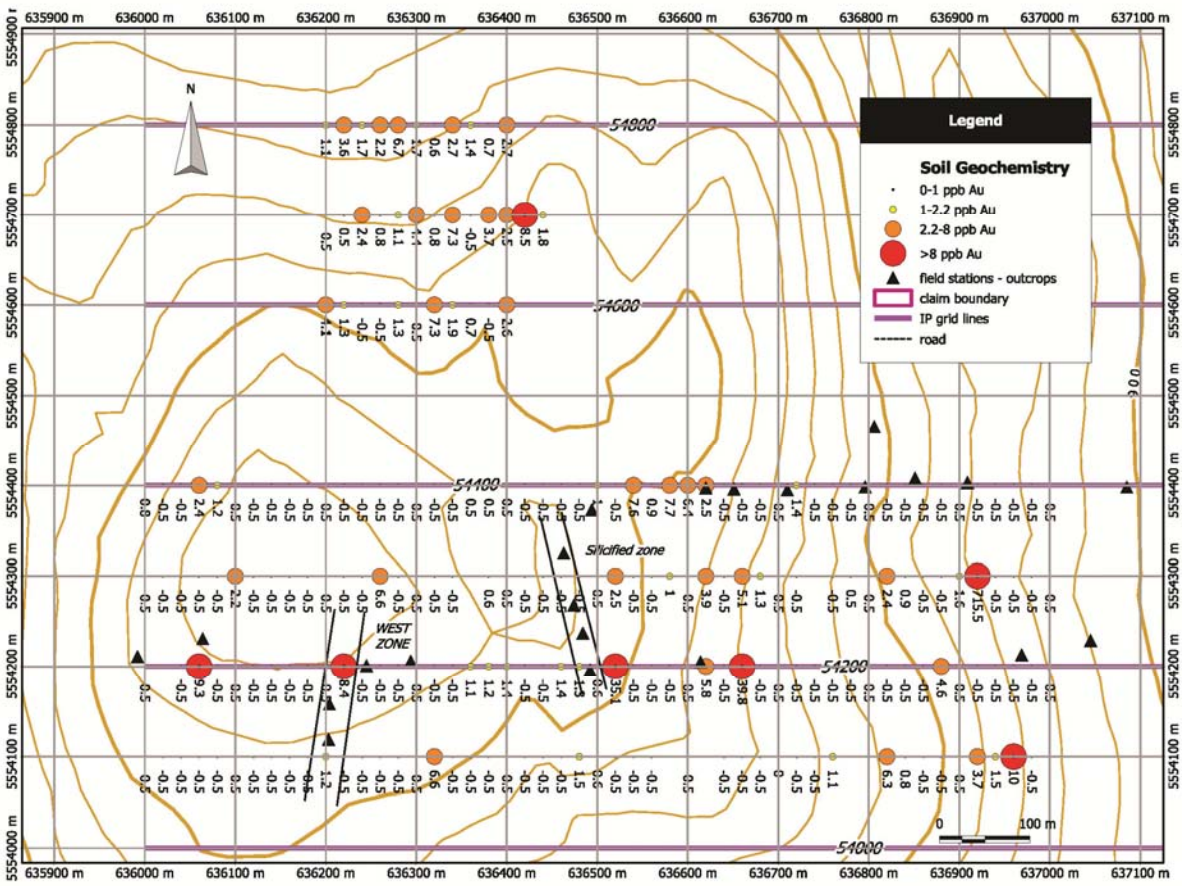

Figure 10. Map showing Au concentrations in soil samples collected in 2010, Anomaly A, northern grid. Note: minus values correspond to samples with Au concentrations <0.5 ppb.

8.2 Detailed geochemistry

Ranex Exploration was engaged to do detailed soil sampling in the area of Anomaly A and C (Figure 7). This work was done between July 26 and July 30, 2010 at a cost of $8,131.09.

Detailed soil sampling in 2010 was done on both existing cut grid lines which are spaced 200 metres apart and new flagged lines spaced 100 metres between the cut lines. A total of 394 samples were collected. Grid A was sampled at 20 metre intervals and grid C was sampled at 10 metre intervals. Sample sites were determined by pulling a fixed length metric chain along the survey line the appropriate sampling distance (10 or 20 metres). Sample sites were marked with flagging ribbon. Intervening lines were established using chain and compass with random GPS readings used to ensure the lines were positioned accurately. Soil sample holes were dug with a mattock, and about 0.5 kg of material collected. In most cases the B horizon was sampled, but in a few rocky locations the C or combined B/C horizon was sampled. Samples were placed in labelled 10cm x 15cm Kraft paper bags and shipped to Acme Laboratories in Vancouver, BC. A similar sampling methodology was used for detailed soil sampling done by the author on September 23, 2010 in the area of the northern resistivity anomaly. In this case, however, a hip chain and topofil were used to measure the 20 metre distance between sample sites. Sample descriptions for soil samples collected in 2010 are included in Appendix C.

Soil and rock samples were sent to Acme Labs for 36-element analysis by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS). At the lab, soil sample preparation involved drying the sample at up to 60^{o}C and sieving up to 100 grams from each sample to –80 mesh. Depending on the amount of –80 mesh material obtained, a 7.5, 15 or 30 gram subsample was cut and then leached with 180ml of 2-2-2 HCl-HNO_3-H_2O solution at 95^{o}C for one hour, followed by dilution to 600ml and ICP-MS analysis. Copies of the analytical certificates issued by Acme Labs are included in Appendix D.

Rock samples collected by the author were placed in labelled plastic bags, with a label also placed within the bag and shipped directly to the Acme laboratory in Vancouver. At the lab each rock sample was crushed to 70% passing 10 mesh followed by pulverizing a 250gm split to 95% passing 150 mesh. A 15gm subsample of each was digested and analysed as described above. No other person other than the author handled or had access to the samples before they arrive at the lab.

Acme runs standards and provides re-samples at varying intervals for each sample shipment analysed. A re-sample consists of analysing a second cut (subsample) from the same sample pulp (or occasionally reject portion), and is reported as a rerun (RE) or reject rerun (RRE) on the analysis certificate (Appendix D). In most cases there has been good reproducibility of results between the original subsamples and re-samples, with the exception of gold at the lower end of the detection range in some stream sediment and soil samples.

8.2.1 Anomaly A

Detailed soil sampling at 20m spacing was done on lines 54100, 54200, 54300 and 54400. Lines 54100 and 54300 are new infill lines and were established using a combination of chaining and a GPS. This work was done to better define the extent of anomalous Au in soils as determined by the 2005 soil geochemical survey. As shown in Figure 10, a number of the samples collected in 2010 did contain anomalous concentrations of Au (>8 ppb) but no coherent pattern was defined. Overall only 7 of the 200 samples collected had Au concentrations greater than 8 ppb (95th percentile of the 2005 survey). The highest value was 715.5 ppb Au in a sample collect near the base of the east facing slope on line 54300. Unfortunately it is difficult to determine if this sample reflects a nearby bedrock source or if it has been transported down slope. Additional work in the form of hand trenching and soil profiling might help answer this question. Other anomalous samples have values in the 8.4 to 39.8 ppb Au range. Sample descriptions are included in Appendix C, analytical certificates in Appendix D and sample location maps in Appendix E.

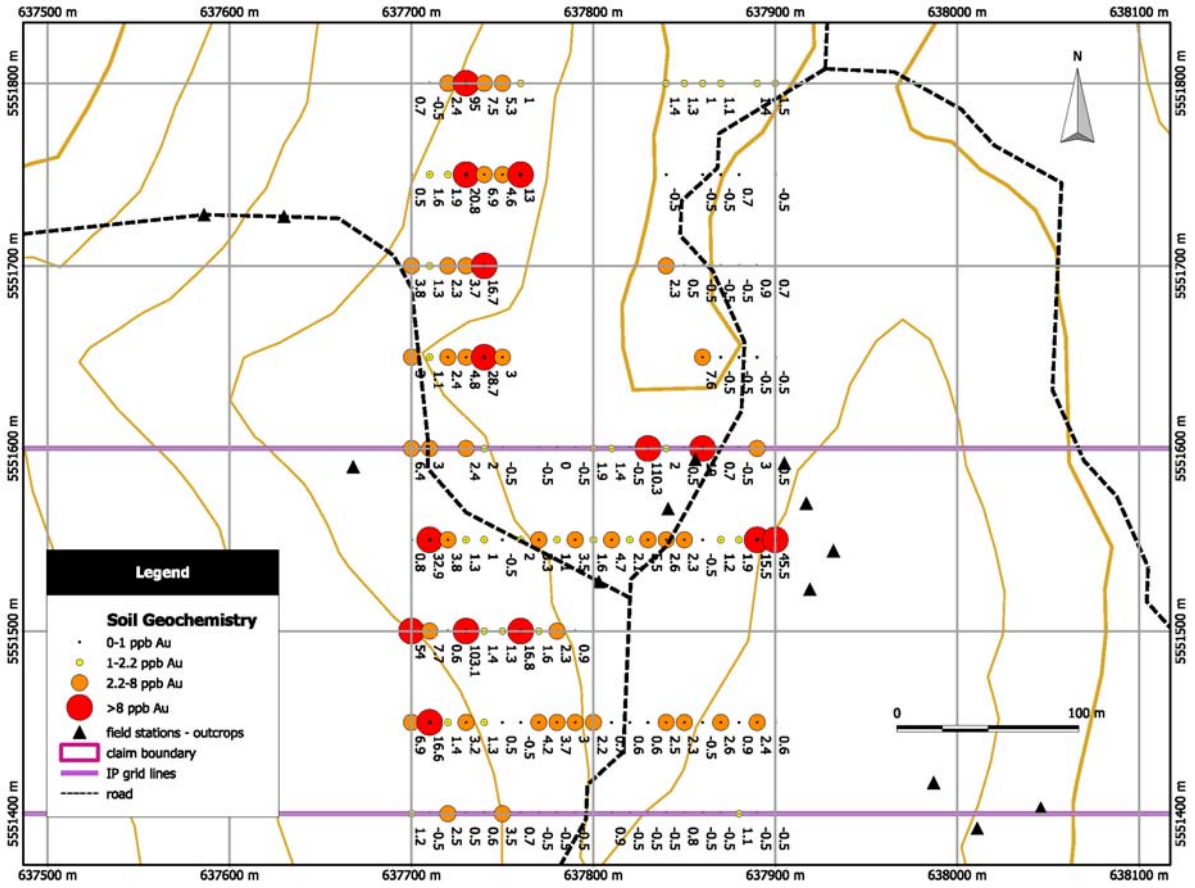

Figure 11. Map showing Au concentrations in soil samples collected in 2010, Anomaly C, southern grid. Note: minus values correspond to samples with Au concentrations <0.5 ppb.

As mentioned previously, the author spent one day doing infill soil sampling and prospecting on 3 lines that transect a north trending resistivity high centered at 36350 on lines 54800N and 54600N (Figures 10). Only one of the samples collected on these three additional soil lines was statistically anomalous with a value of 8.5 ppb Au.

8.2.2 Anomaly C

Detailed soil sampling at 10m spacing was done on lines 50 metres apart beginning with line 51400 and ending with line 51800 (Figure 11). All lines except cut line 51400 and 51600 are new infill lines and were established using a combination of chaining and a GPS. This work was done to better define the extent of anomalous Au in soils as determined by the 2005 soil geochemical survey. As shown in Figure 11, a number of the samples collected in 2010 did contain anomalous concentrations of Au (>8 ppb) and a north trending chain of anomalous samples does occur on the west side of the grid between lines 51600N and 51800N. Overall only 14 of the 138 samples collected had Au concentrations greater than 8 ppb (95^{th} percentile of the 2005 survey). The highest value was 110.3 ppb Au in a sample collect on line 51600N 40m west of the main access road. Sample descriptions are included in Appendix C, analytical certificates in Appendix D and sample location maps in Appendix E.

As shown in Figure 11, there is a gap in sampling in the middle of the 4 northernmost lines. This reflects the presence of low-lying, swampy ground in this area. Overall the detailed soil sampling done in 2010 has confirmed the presence of anomalous concentrations of gold in soil as determined by the 2005 sampling.

The author examined outcrops and float in the vicinity of the soil anomalies that comprise Anomaly C but did not see any evidence for silicification or ankeritic alteration of the feldspar phyric andesites, most of which were relatively fresh and unaltered. However, outcrop is not abundant and some trenching may be required to fully evaluate this area.

8.3 Rock geochemistry

The author collected eight rock samples while working on the Merit property in 2010. The location of these samples is shown in Figure 12. A summary of the analytical results for selected elements is given in Table 2. Analytical certificates from Acme Labs showing results for all 36 elements analyzed by ICP-MS are included in Appendix D. Samples MT10-1 and MT10-2 were collected from trenches SRT05-02 and SRT05-05 in the Sullivan Ridge zone and give similar results to samples collected by Almaden in 2005. Samples MT10-5, 6 and 7 were collected from a resistive ridge of silicified andesite float and outcrop that is exposed approximately 200m east of the West zone (Figure 12). One of these samples (MT10-5) contained slightly anomalous Au (72.7 ppb). Samples MT10-3 and MT10-4 were collected from altered and rusty weathering andesite near the West zone. These samples did

not contain any significant metal concentrations although sample MT10-4, which is cut by carbonate veins, had relatively high Ba content at 2131 ppm. Sample MT10-8 was collected from a quartz vein exposed in trench WZT04-2 in the West zone. Analytical results indicate this sample contains 176.2 ppb Au which is statistically anomalous. This sample location is close to Almaden's sample site R238 which was reported to contain 221 ppb Au (Balon and Hyland, 2006)

Table 2. Summary of analytical results for 2010 lithogeochemical samples

Sample	Material	Au PPB	Ag PPM	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Sb PPM	As PPM	Hg PPM	Ba PPM	Mn PPM	Fe %	Ca %
MT10 1	qz vein	5380.2	9.3	17.1	74.8	3.2	11	5.2	239.2	0.09	10	94	1.65	0.23
MT10 2	qz vein	836.5	2.4	18.9	26.5	2.7	26	1.6	185	0.13	39	187	1.58	0.05
MT10 3	alt. volc.	10	<0.1	0.4	41.9	2.6	63	0.4	7.8	0.26	77	829	3.93	0.19
MT10 4	alt. volc.	4.7	<0.1	0.4	25.6	2.7	86	0.6	5.9	0.28	2131	822	3.14	9.02
MT10 5	sil. volc	72.7	0.3	0.6	46.6	1.9	18	0.5	36.7	0.16	349	193	1.08	1.78
MT10 6	sil. volc	10.1	0.1	0.2	56.2	2.6	6	0.5	17.1	0.65	1214	64	0.93	0.13
MT10 7	sil. volc	3.4	0.2	0.2	43.1	2.5	45	0.8	15.2	0.2	438	500	1.96	3.93
MT10 8	qz vein	176.2	7.1	1.2	16.1	1.4	5	16.5	24.4	10.6	951	37	0.36	0.02

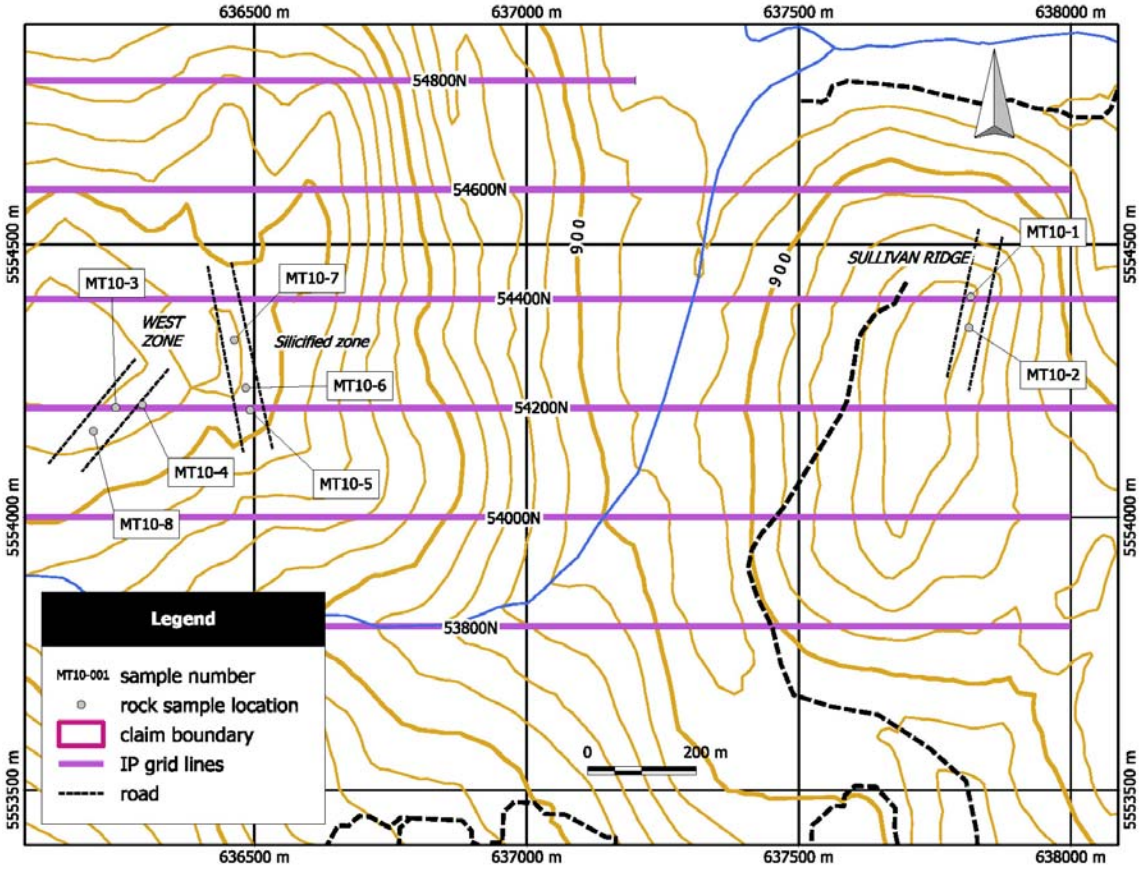

Figure 12. Map showing the location of rock samples collected in 2010

Balon and Hyland (2006) have reported significant gold assays for samples collected from hand dug trenches on Sullivan Ridge. The author personally collected and submitted two samples from this area – one from trench SRT05-02 (MT10-2) and the other from trench SRT05-05 (MT10-1). A summary of the results obtained for these samples is given in Table 3. Both samples contained significant Au concentrations comparable to those obtained by Balon and Hyland (2006). These results confirm the presence of Au mineralization in the quartz veins exposed by trenching in the Sullivan Ridge zone. Analytical certificates for these and other rock samples collected by the author while working on the Merit property in July 2010 are given in Appendix D.

Table 3. Summary of results for check samples collected from the Sullivan Ridge trenches

Sample	Au PPB	Ag PPM	Mo PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Fe %
MT10 1	5380.2	9.3	17.1	74.8	3.2	11	239.2	1.65
MT10 2	836.5	2.4	18.9	26.5	2.7	26	185	1.58

9 Interpretation and Conclusions

The work conducted during 2004 and 2005 by Almaden and follow up work done by Sunburst in 2010 has helped to define a significant epithermal gold target on the Merit property. To date the main target remains a gold-mineralised quartz zone on Sullivan Ridge, with a secondary target the quartz zone 1.5 km to the west (West Zone). A large area containing gold-bearing quartz cobbles in the southeast corner of the property is also of interest and requires further exploration. As pointed out by Balon and Hyland (2006), the presence of four well defined high gold soil anomalies, one of which corresponds with Sullivan Ridge, indicates very prospective ground. The strong association of arsenic, antimony and mercury with gold, the presence of abundant chalcedony and siliceous iron carbonate alteration are typical of a low sulphidation epithermal gold environment. The characteristic trace element geochemistry and classic mineral textures observed to date, including quartz pseudomorphs of lattice-bladed calcite, are indicative of the upper portions of an epithermal system. This implies only shallow erosion of the source deposit(s).

10 Recommendations

Further exploration on the Merit claims is definitely warranted, and is strongly recommended. In particular the Sullivan Ridge showings need to be tested by diamond drilling to determine if the gold bearing veins extend to depth. A two stage diamond drilling program is recommended. Stage 1 would involve a number of widely spaced holes that

would target the Sullivan Ridge veins at depth. Contingent on positive results from the Stage 1 drill program, additional infill drilling would be done as part of a Stage 2 exploration program. Concurrent with the Stage 1 program would be additional hand trenching in the area of gold bearing float in the southwest corner of the property and additional sampling of the new zone of silicification and ankerite alteration located in 2010.

11 References

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12 Statement of Qualifications

I, Donald George MacIntyre, Ph.D., P.Eng., do hereby certify that:

1. I am an independent consulting geologist providing services through D.G. MacIntyre and Associates Ltd. a wholly owned company incorporated December 10, 2004 in the Province of British Columbia (registration no. BC0710941). My business address is 4129 San Miguel Close, Victoria, British Columbia, Canada, V8N 6G7.
2. I graduated with a B.Sc. degree in geology from the University of British Columbia in 1971. In addition, I obtained M.Sc. and Ph.D. degrees specializing in Economic Geology from the University of Western Ontario in 1975 and 1977 respectively.
3. I have been registered with the Association of Professional Engineers and Geoscientists of British Columbia since September, 1979, registration number 11970.
4. I have practiced my profession as a geologist, both within government and the private sector, in British Columbia and parts of the Yukon for over 30 years. Work has included detailed geological investigations of mineral districts, geological mapping, mineral deposit modeling and building of geoscientific databases. I have directly supervised and conducted geologic mapping and mineral property evaluations, published reports and maps on different mineral districts and deposit models and compiled and analyzed data for mineral potential evaluations.
5. I conducted geologic mapping and supervised soil sampling on the Merit Gold property in July and September, 2010.

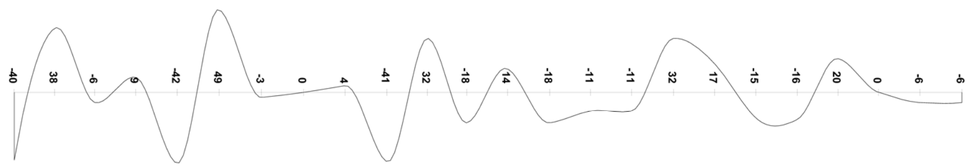
Dated this 15th day of February, 2011

D.G. MacIntyre, Ph.D. P.Eng.

13 Statement of Expenditures

Exploration Work type	Comment	No.	Units	Rate	Subtotal	Totals
Personnel / Position						
G. Carlson/Geologist-Supervision	May26-29, July 25-26, August 8-10	8.5	Days	$800.00	$6,800.00	
D. MacIntyre/Geologist-Mapping, geochemical sampling and project supervision	July 25-30; Sept 22-23				$5,475.00	**$12,275.00**
Ground Geophysics						
IP Survey	Republic Resources (19.7 line km.)				$69,500.00	**$69,500.00**
Geochemical Surveying						
Soil geochemical survey	Ranex Exploration (July 24 - August 1)				$5,762.50	**$5,762.50**
Transportation						
Truck & fuel	Ranex Exploration				$469.83	
Truck, fuel and ferry	D.G. MacIntyre and Associates				$1,280.23	**$1,750.06**
Accommodation & Food						
Meals & Accomodation	Ranex Exploration				$1,589.81	
Meals & Accomodation	D.G. MacIntyre and Associates				$985.74	
Meals & Accomodation	Republic Resources				$8,294.91	
Field supplies	Republic Resources				1475.74	**$12,346.20**
Miscellaneous						
Service charge	Ranex Invoice				$308.95	**$308.95**
Analytical						
Assays (394 soil, 10 rock samples)	Acme Labs				$5,558.33	**$5,558.33**
TOTAL Expenditures						**$107,501.04**

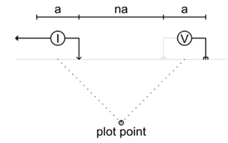
14 Appendix A. Raw IP and Resistivity Pseudosections



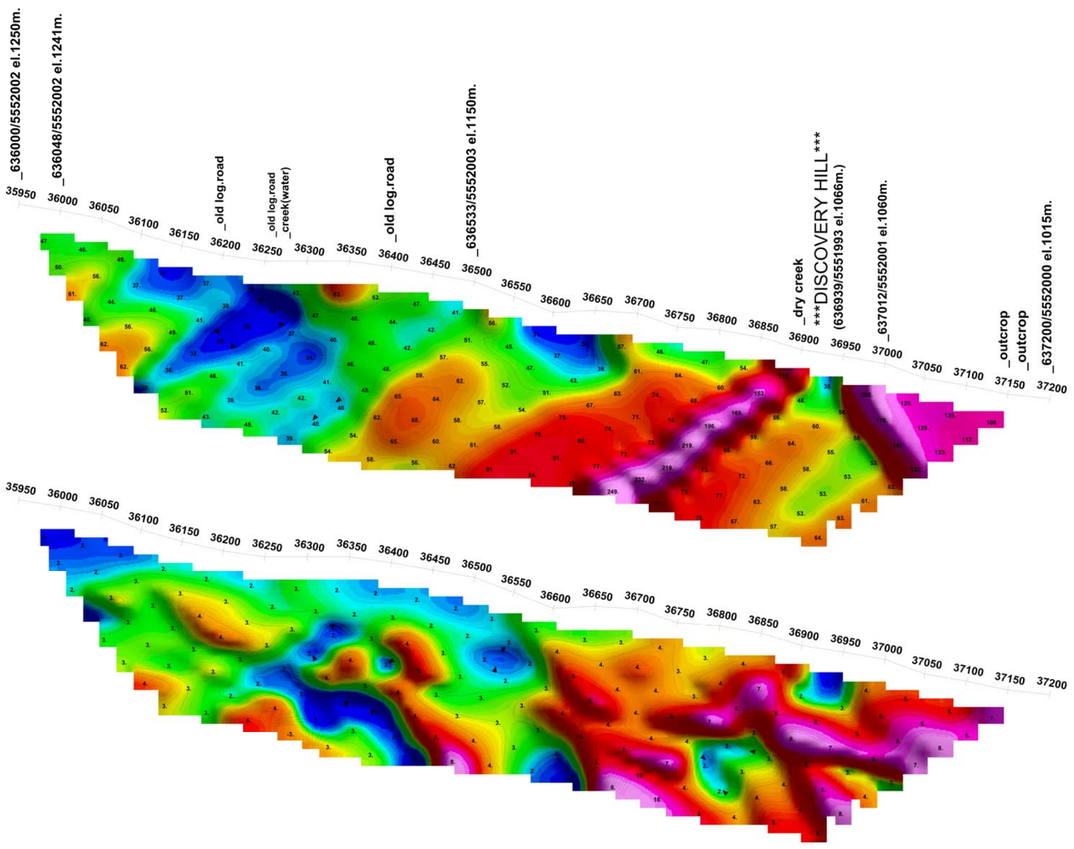
SELF POTENTIAL (1 cm:25 mV)

MAGNETICS (1 cm:500 nt)

Pole-Dipole Array



Survey Direction: East 90deg.



APPARENT RESISTIVITY (res)

APPARENT CHARGEABILITY (ip)

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Surveyed by:
PROSPEC MB INC.
CANADA.
August 2010

Scale 1:5000
50 0 50 100 150 200 250 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

*very noisy reading

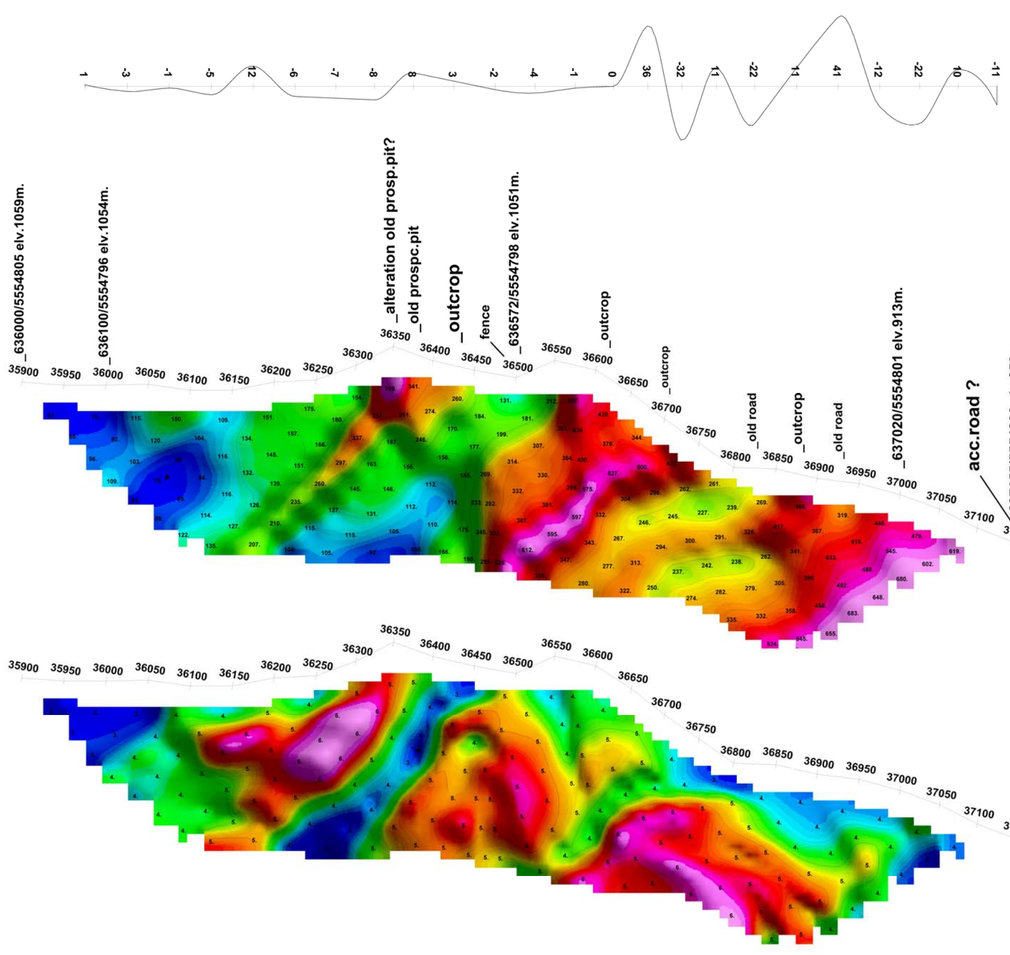
ALMADEN MINERAL LTD.

Merrit.

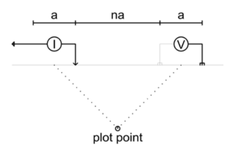
Discovery Hill area.
Merrit Property.
BRITISH COLOMBIA CANADA.

IP & RESISTIVITY PSEUDOSECTIONS
LINE 52000n

Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	aug 10	



Pole-Dipole Array



Survey Direction: East 90deg.

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Scale 1:5000
50 0 50 100 150 200 250 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

Surveyed by:
PROSPEC MB INC.
CANADA.
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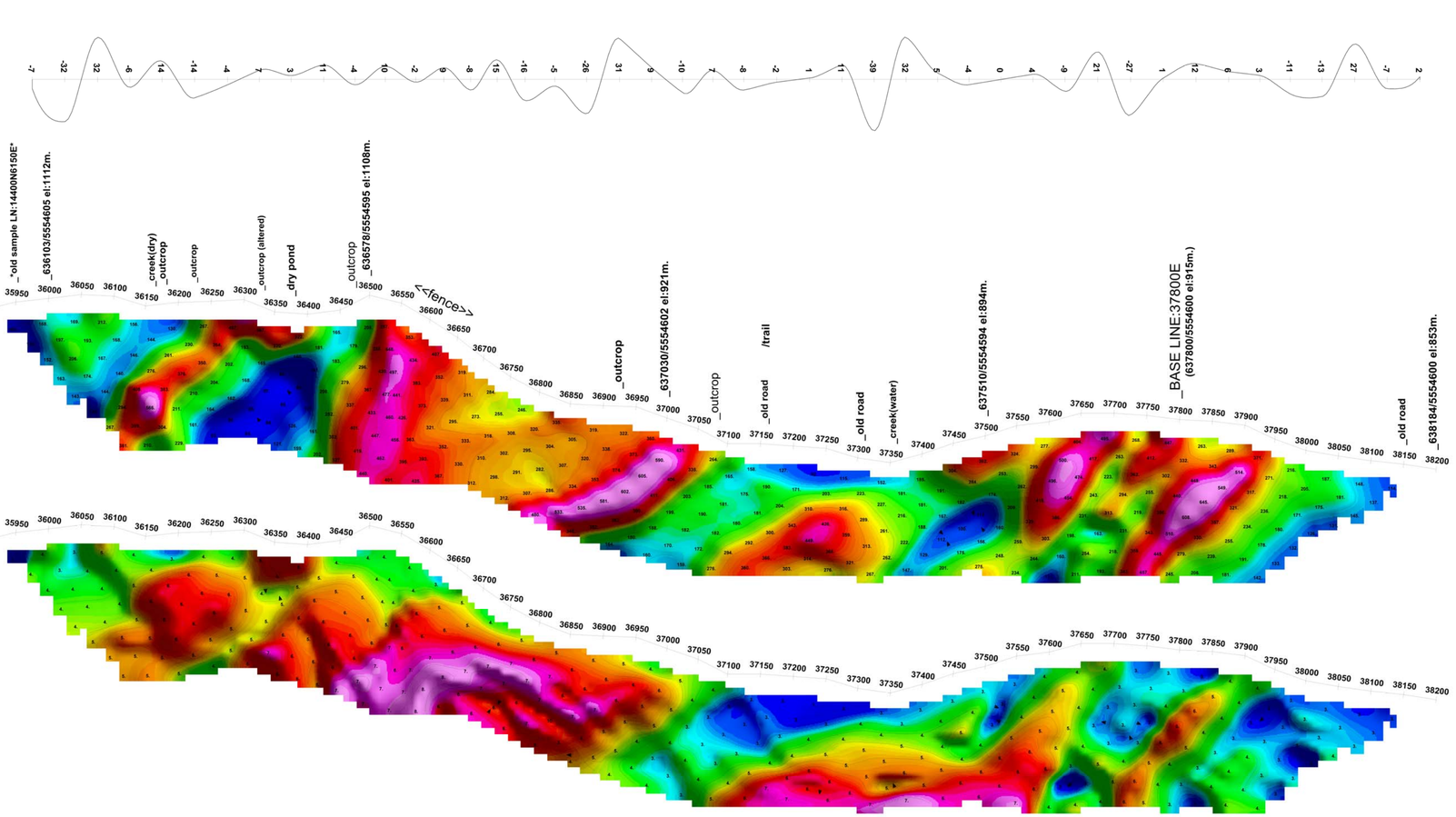
ALMADEN MINERAL LTD.

Merrit.

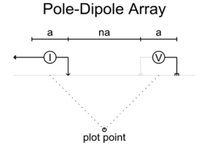
Sullivan ridge area.
Merrit Property.
BRITISH COLOMBIA CANADA.

IP & RESISTIVITY PSEUDOSECTIONS
LINE 54800n

Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	JULLY 10	



Pole-Dipole Array



Survey Direction: East 90deg.

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Surveyed by:
PROSPEC MB INC.
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Scale 1:5000
100 0 100 200 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

ALMADEN MINERAL LTD.

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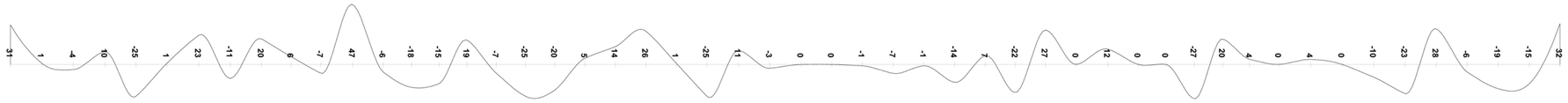
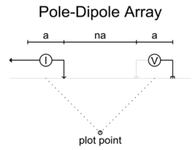
Sullivan ridge area.
Merrit Property.
BRITISH COLOMBIA CANADA.

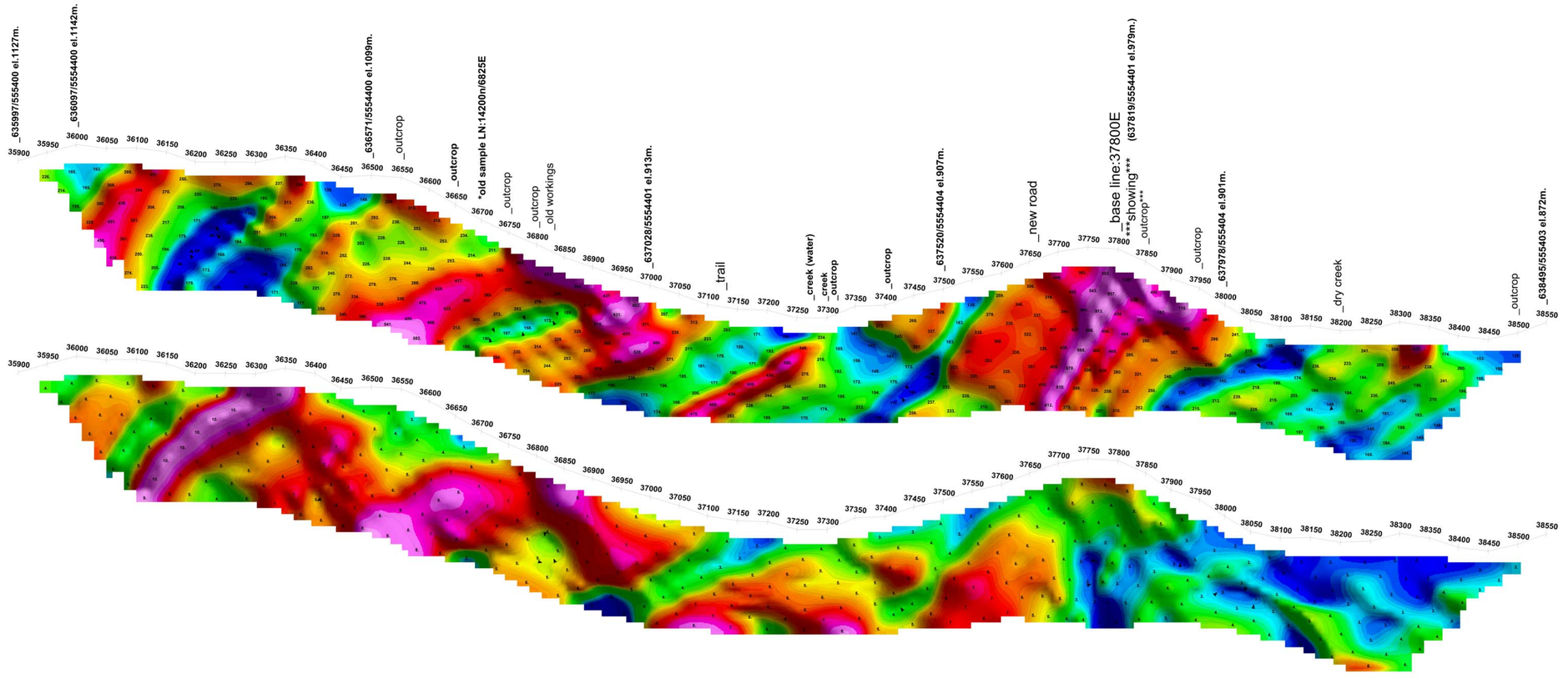
IP & RESISTIVITY PSEUDOSECTIONS
LINE 54600n

Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	JULLY 10	



SELF POTENTIAL (1 cm:25 mV)





APPARENT RESISTIVITY (res)

APPARENT CHARGEABILITY (ip)

Scale 1:5000
50 0 50 100 150 200 250 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

Survey Direction: East 90deg.

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Surveyed by:
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ALMADEN MINERAL LTD.

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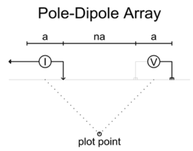
Sullivan ridge area.
Merrit Property.
BRITISH COLOMBIA CANADA.

IP & RESISTIVITY PSEUDOSECTIONS
LINE 54400n

Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	JULLY 10	

SELF POTENTIAL (1 cm:25 mV)



Survey Direction: East 90deg.

APPARENT RESISTIVITY (res)

APPARENT CHARGEABILITY (ip)

Scale 1:5000
50 0 50 100 150 200 250 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Surveyed by:
PROSPEC MB INC.
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jully 2010

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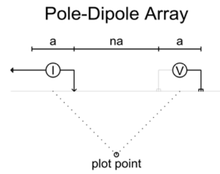
Merrit.

Sullivan ridge area.
Merrit Property.
BRITISH COLOMBIA CANADA.

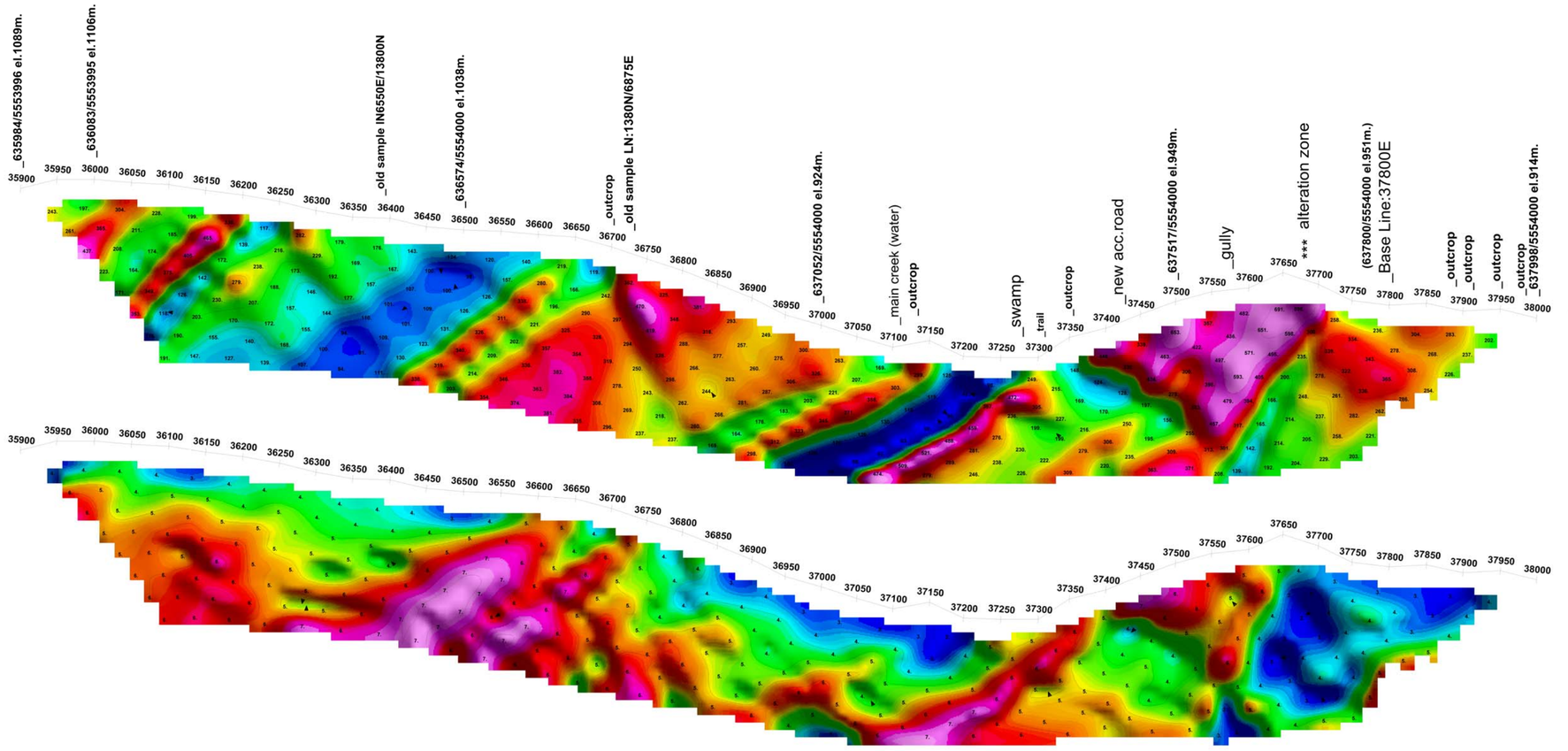
IP & RESISTIVITY PSEUDOSECTIONS
LINE 54200n

Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	JULLY 10	

SELF POTENTIAL (1 cm:25 mV)



Survey Direction: East 90deg.



APPARENT RESISTIVITY (res)

APPARENT CHARGEABILITY (ip)

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Scale 1:5000
100 0 100 200 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

Surveyed by:
PROSPEC MB INC.
CANADA.
August 2010

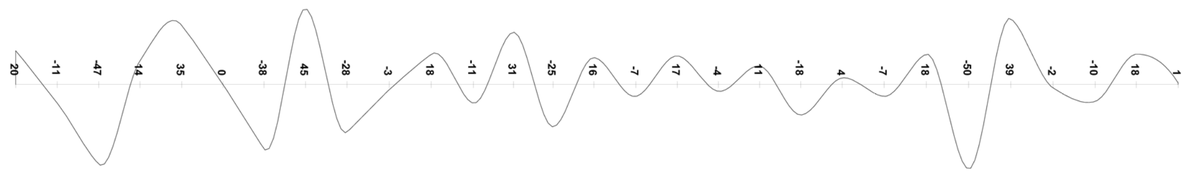
ALMADEN MINERAL LTD.

Merrit.

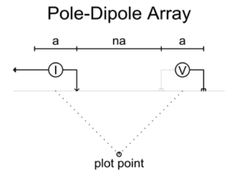
Sullivan ridge area.
Merrit Property.
BRITISH COLOMBIA CANADA.

IP & RESISTIVITY PSEUDOSECTIONS LINE 54000n

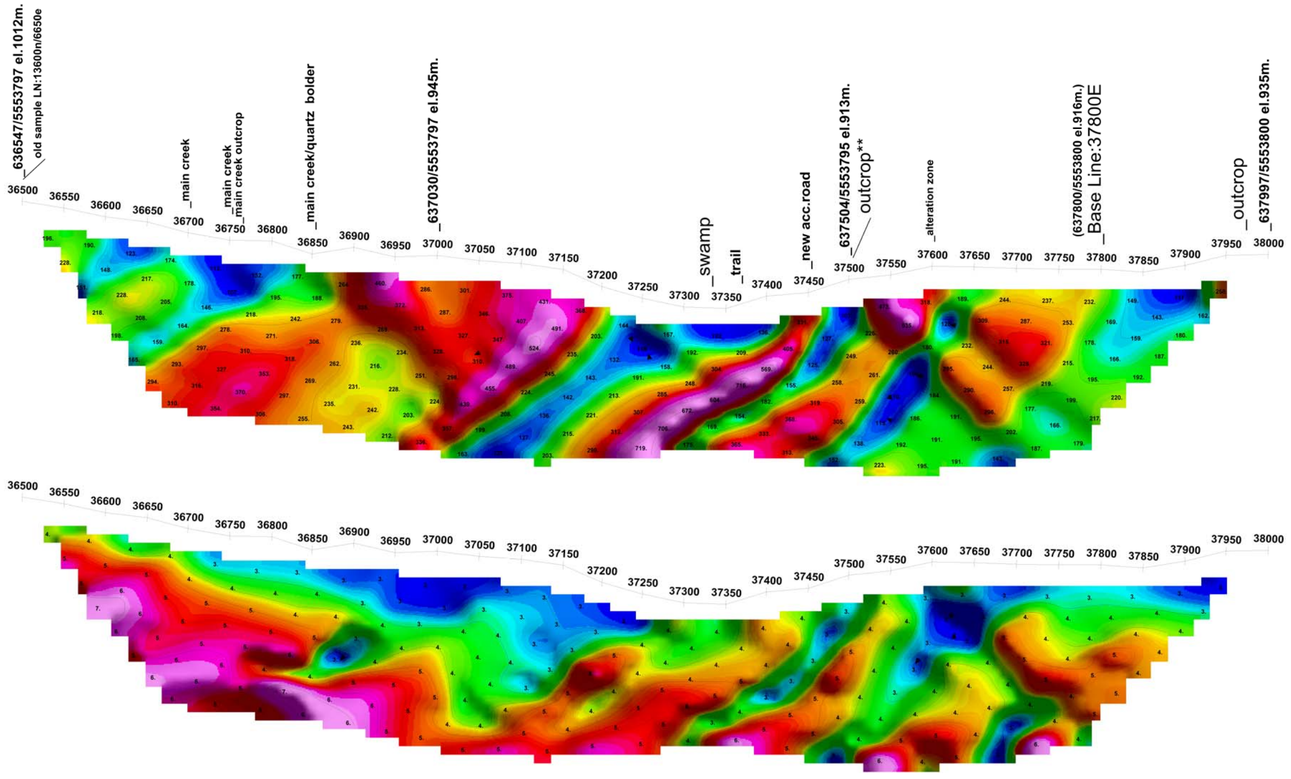
Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	aug 10	



SELF POTENTIAL (1 cm:25 mV)



Survey Direction: East 90deg.



APPARENT RESISTIVITY (res)

APPARENT CHARGEABILITY (ip)

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Surveyed by:
PROSPEC MB INC.
CANADA.
August 2010

Scale 1:5000
50 0 50 100 150 200 250 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

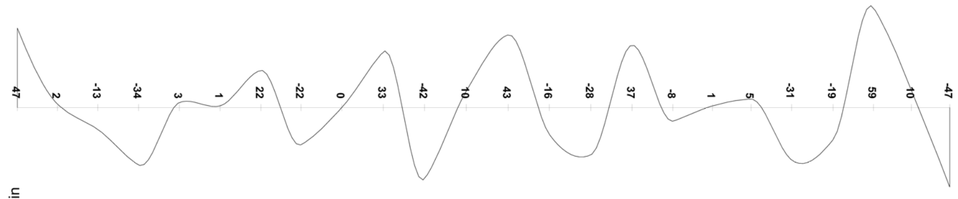
ALMADEN MINERAL LTD.

Merrit.

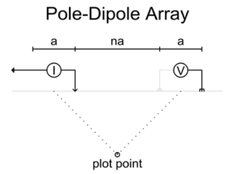
Sullivan ridge area.
Merrit Property.
BRITISH COLOMBIA CANADA.

IP & RESISTIVITY PSEUDOSECTIONS LINE 53800n

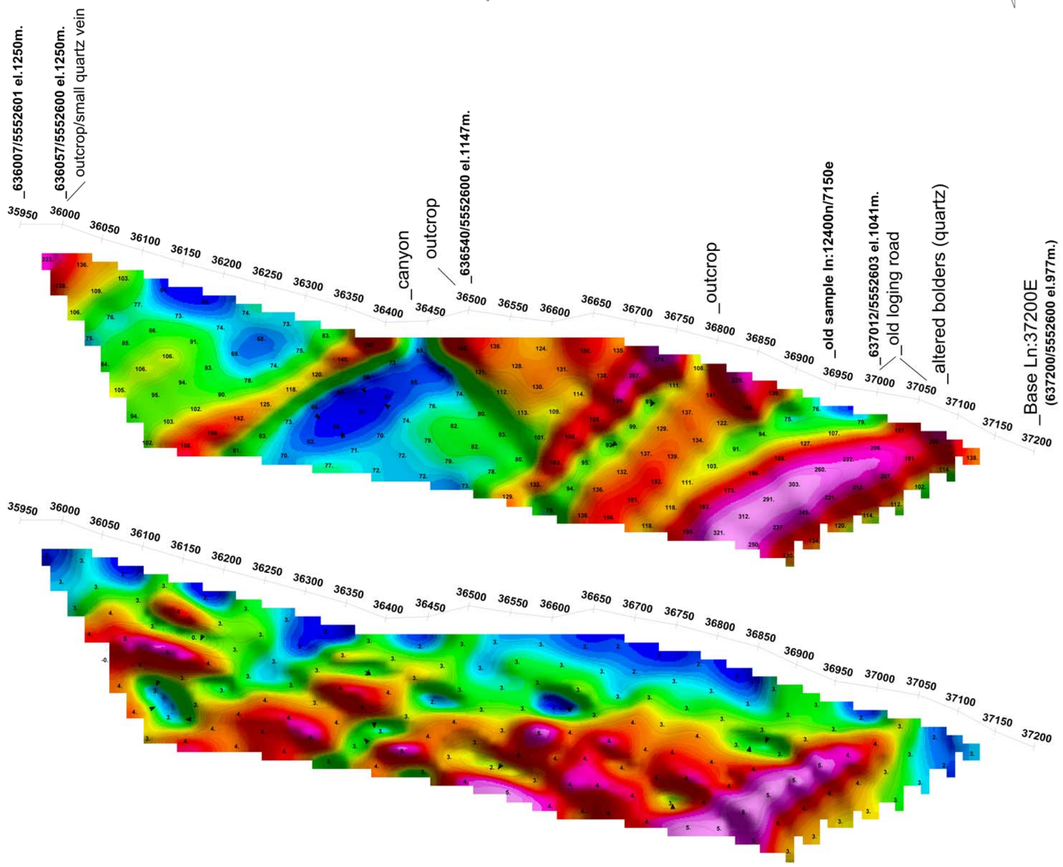
Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	aug 10	



SELF POTENTIAL (1 cm:25 mV)



Survey Direction: East 90deg.



APPARENT RESISTIVITY (res)

APPARENT CHARGEABILITY (ip)

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

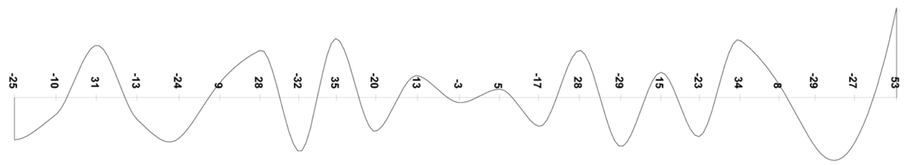
Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Scale 1:5000
50 0 50 100 150 200 250 300
(metres)

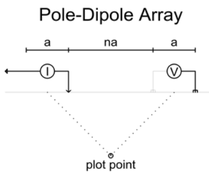
Scale 1:5000
250 0 250 500 750
(feet)

Surveyed by:
PROSPEC MB INC.
CANADA.
August 2010

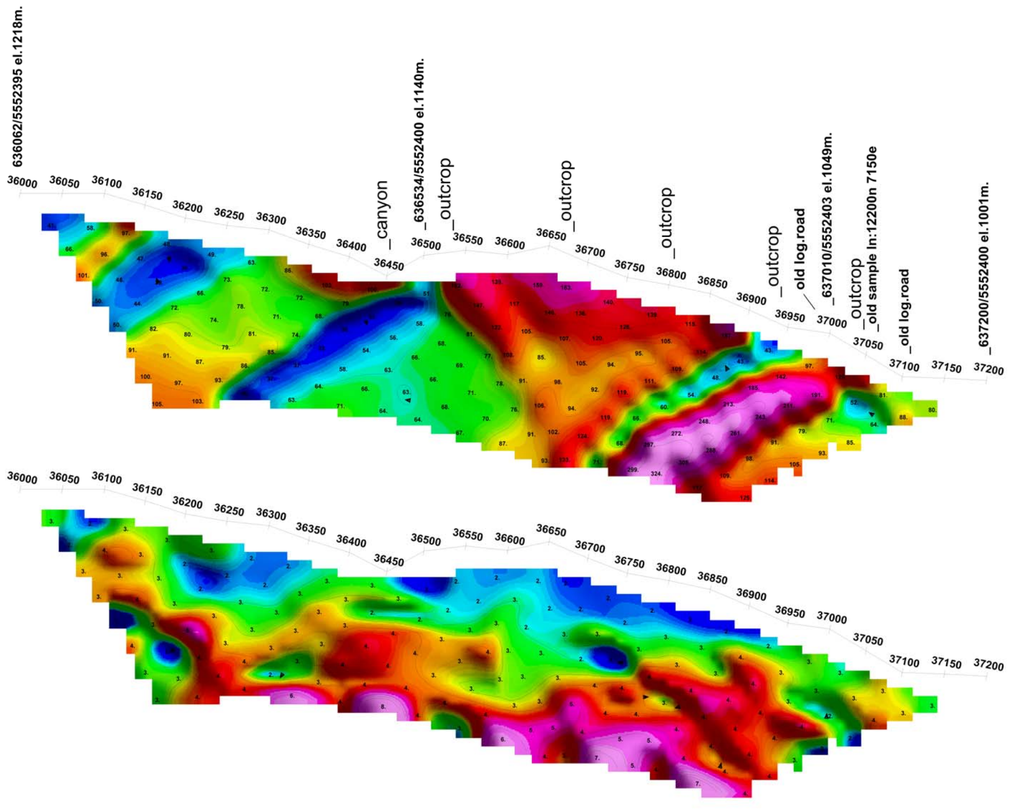
ALMADEN MINERAL LTD.				
Merrit.				
Discovery Hill area. **Merrit Property.** BRITISH COLOMBIA CANADA.				
IP & RESISTIVITY PSEUDOSECTIONS **LINE 52600n**				
Drawn by:	**Job No.**	**Carta**	**Date**	**Map No.**
MRB		**NAD 83**	**aug 10**	



SELF POTENTIAL (1 cm:25 mV)



Survey Direction: East 90deg.



APPARENT RESISTIVITY (res)

APPARENT CHARGEABILITY (ip)

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Scale 1:5000
50 0 50 100 150 200 250 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

Surveyed by:
PROSPEC MB INC.
CANADA.
August 2010

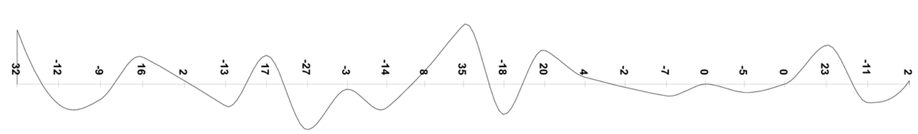
ALMADEN MINERAL LTD.

Merrit.

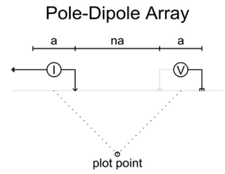
Discovery Hill area.
Merrit Property.
BRITISH COLOMBIA CANADA.

IP & RESISTIVITY PSEUDOSECTIONS
LINE 52400n

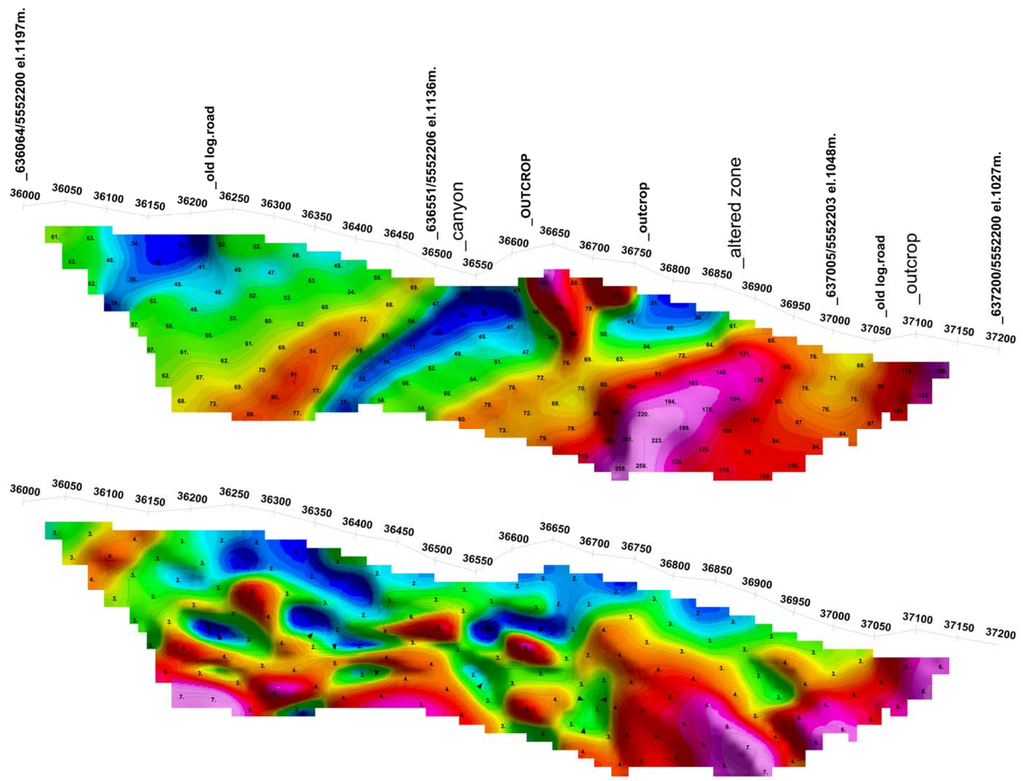
Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	aug 10	



SELF POTENTIAL (1 cm:25 mV)



Survey Direction: East 90deg.



APPARENT RESISTIVITY (res)

APPARENT CHARGEABILITY (ip)

CONTOUR INTERVALS

Resistivity: Logarithmic ohm-metres
Chargeability: .5 milliseconds

IP SURVEY PARAMETERS

Survey Mode: Time Domain
Array: Pole-Dipole
Dipole Length: 50 meters
Dipole separation: n=1 to n=8
Arithmetic mode :Time=2000ms
Delay: 600ms Window :120ms
Inf:635550/5556860 elv

INSTRUMENTATION

Receiver: ELREC 6
Transmitter: GDD XT 5000watt
Generator: HONDA 5kw
Magnetometer: Gem 19 O/H

Scale 1:5000
100 0 100 200 300
(metres)

Scale 1:5000
250 0 250 500 750
(feet)

Surveyed by:
PROSPEC MB INC.
CANADA.
August 2010

ALMADEN MINERAL LTD.

Merrit.

Discovery Hill area.
Merrit Property.
BRITISH COLOMBIA CANADA.

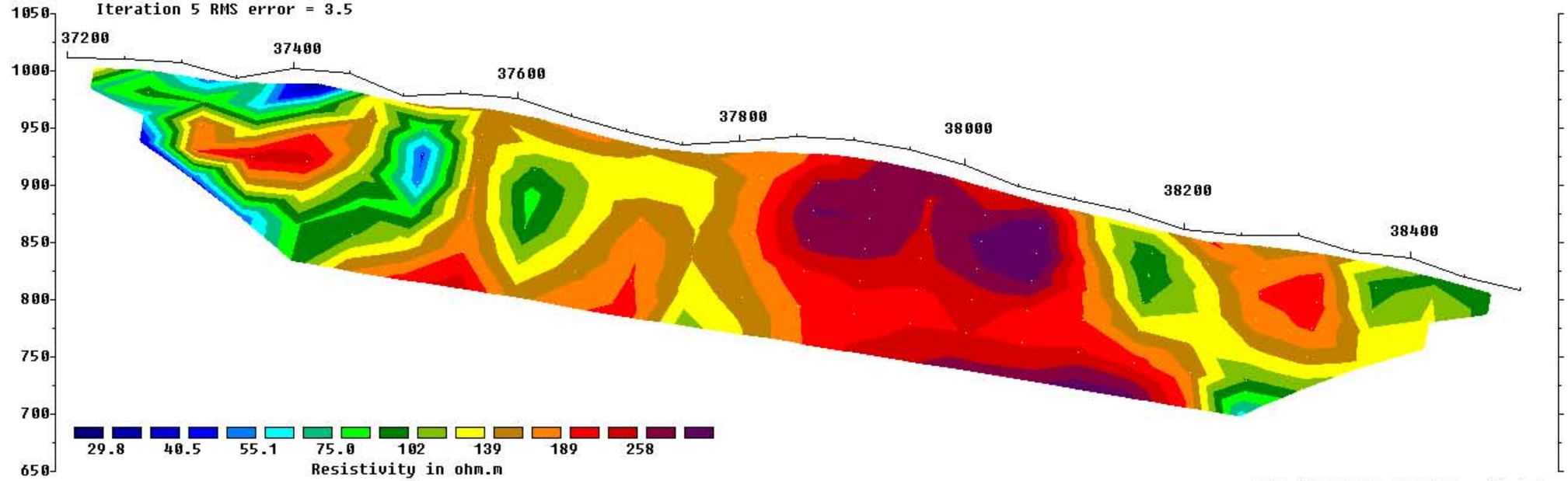
IP & RESISTIVITY PSEUDOSECTIONS LINE 52200n

Drawn by:	Job No.	Carta	Date	Map No.
MRB		NAD 83	aug 10	

15 Appendix B. Inverted and normalized IP and resistivity pseudosections

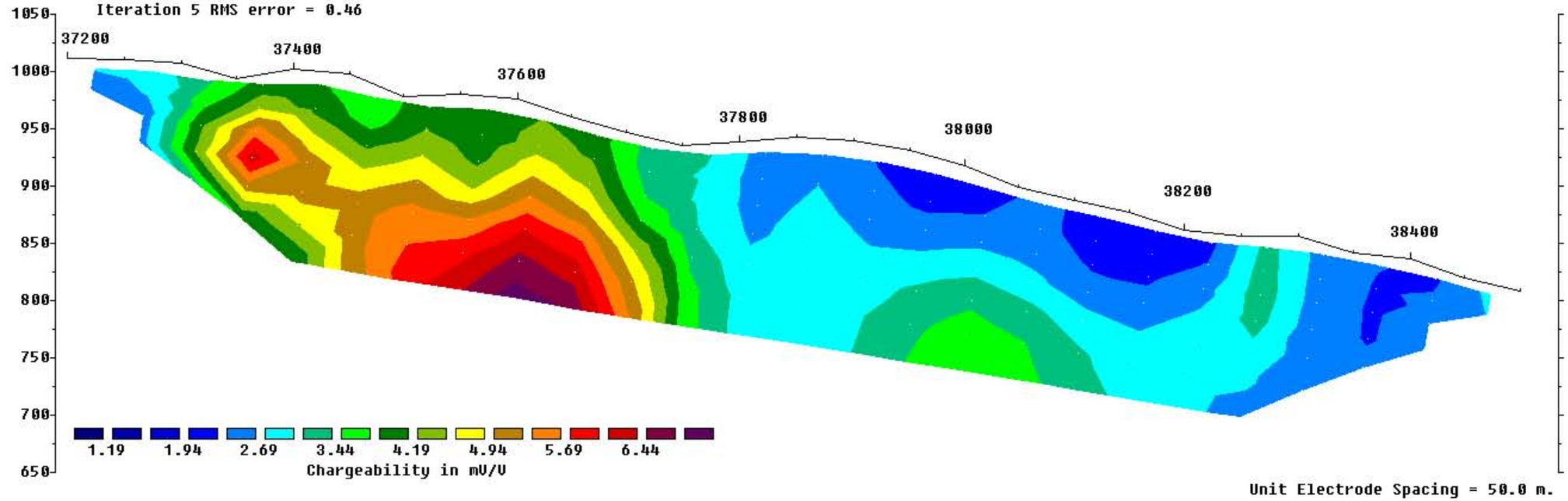
Merit Line 51200N

Elevation Model resistivity with topography
Iteration 5 RMS error = 3.5



Unit Electrode Spacing = 50.0 m.

Elevation Model IP with topography
Iteration 5 RMS error = 0.46

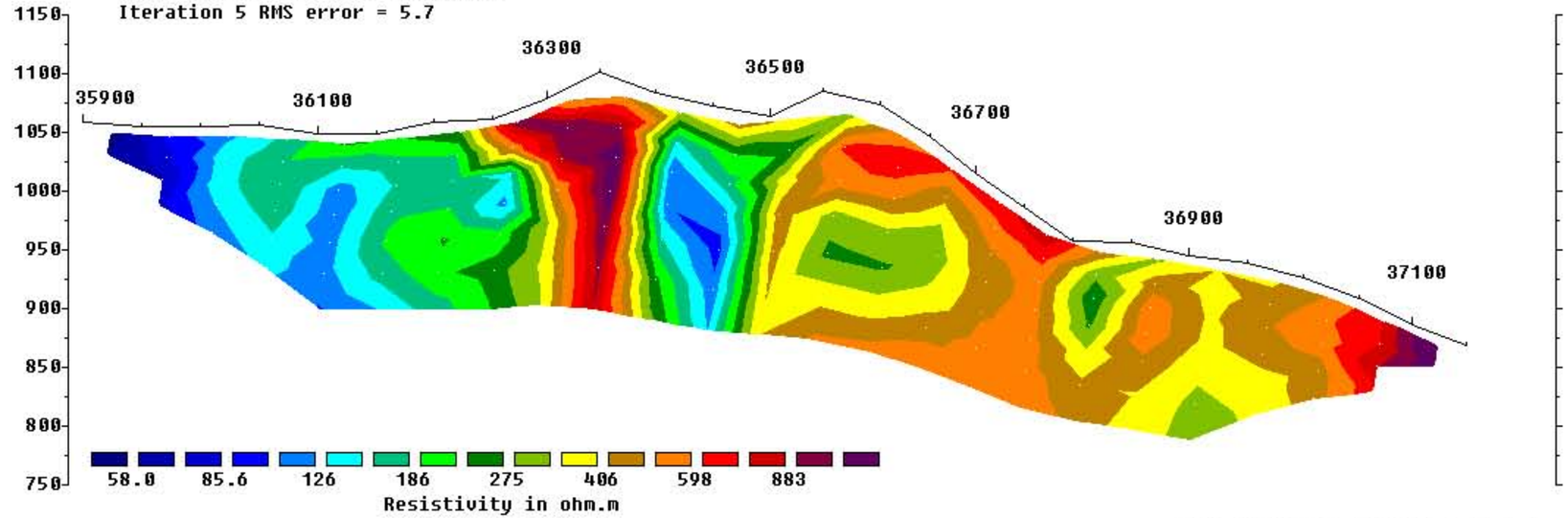


Unit Electrode Spacing = 50.0 m.

Horizontal scale is 48.00 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 37200.0 m.
Last electrode is located at 38500.0 m.

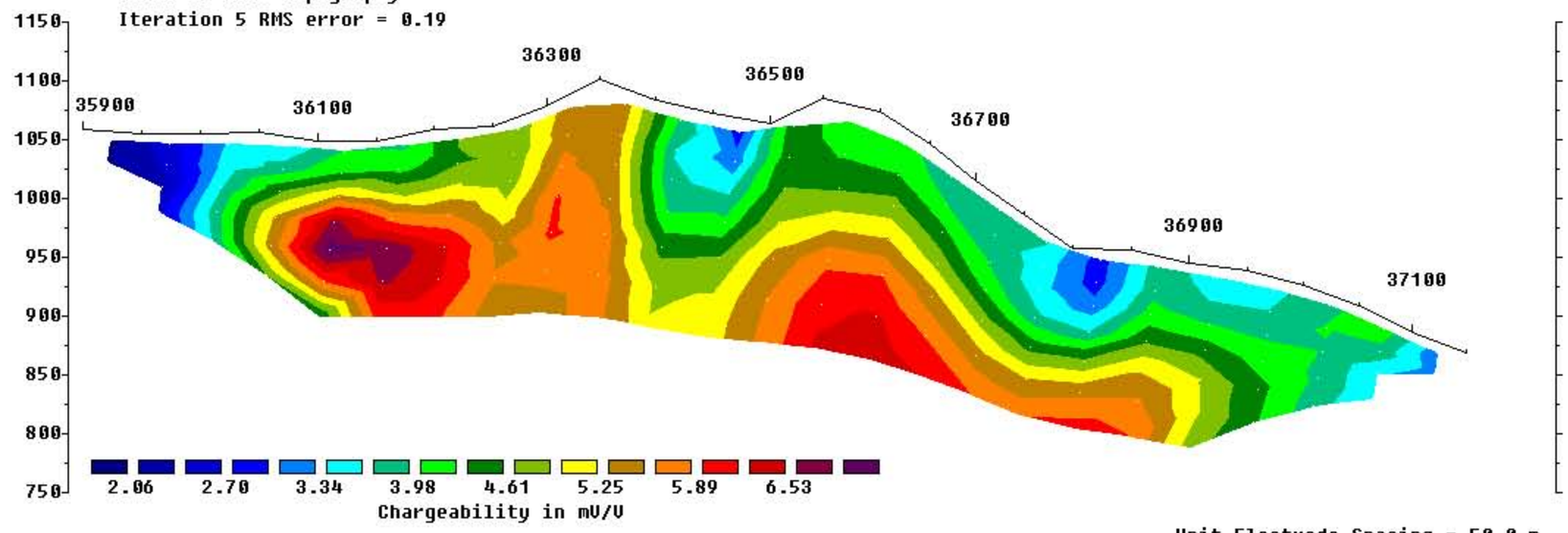
Merit Property Line 54800N

Model resistivity with topography
Iteration 5 RMS error = 5.7



Unit Electrode Spacing = 50.0 m.

Model IP with topography
Iteration 5 RMS error = 0.19

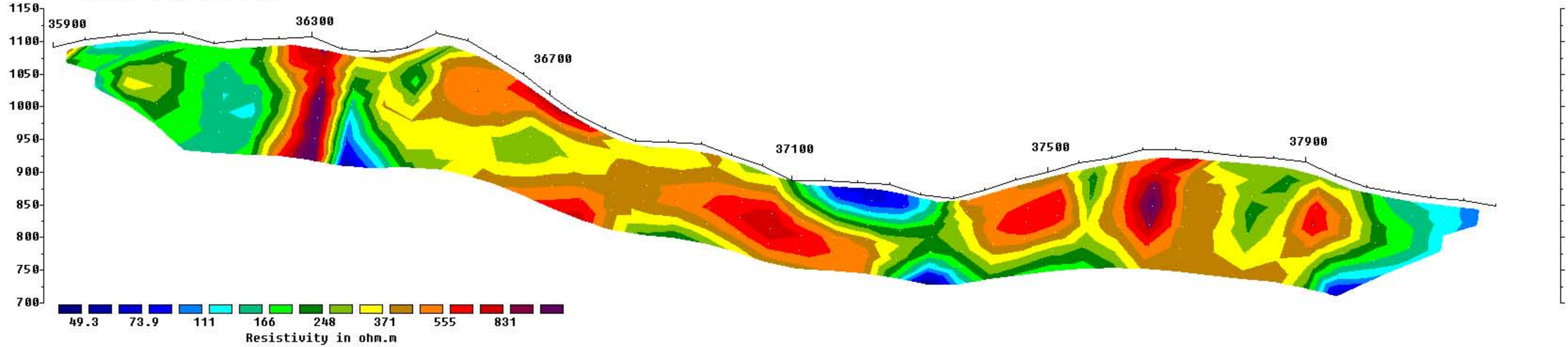


Unit Electrode Spacing = 50.0 m.

Horizontal scale is 40.00 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 35900.0 m.
Last electrode is located at 37150.0 m.

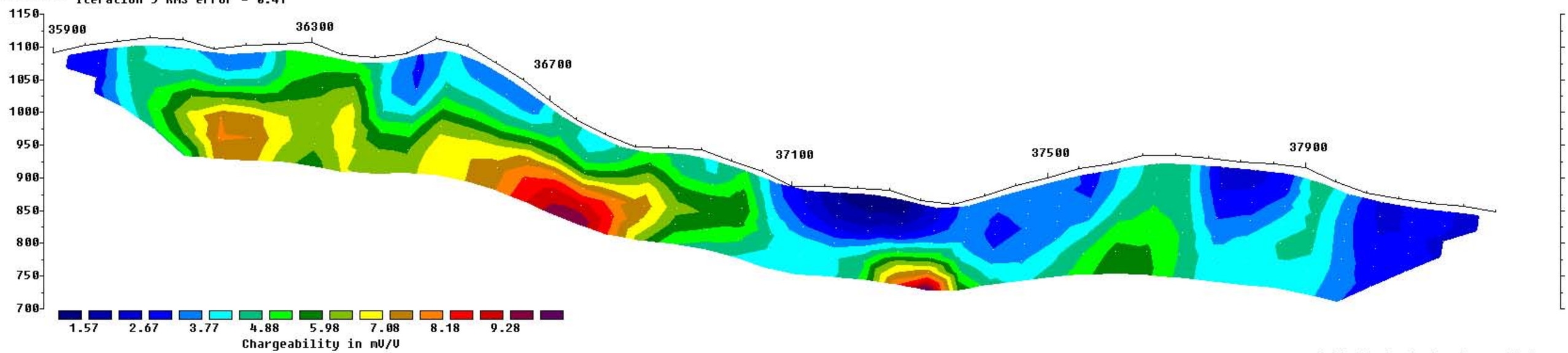
Merit Property Line 54600N

Model resistivity with topography
Iteration 5 RMS error = 7.1



Unit Electrode Spacing = 50.0 m.

Model IP with topography
Iteration 5 RMS error = 0.41



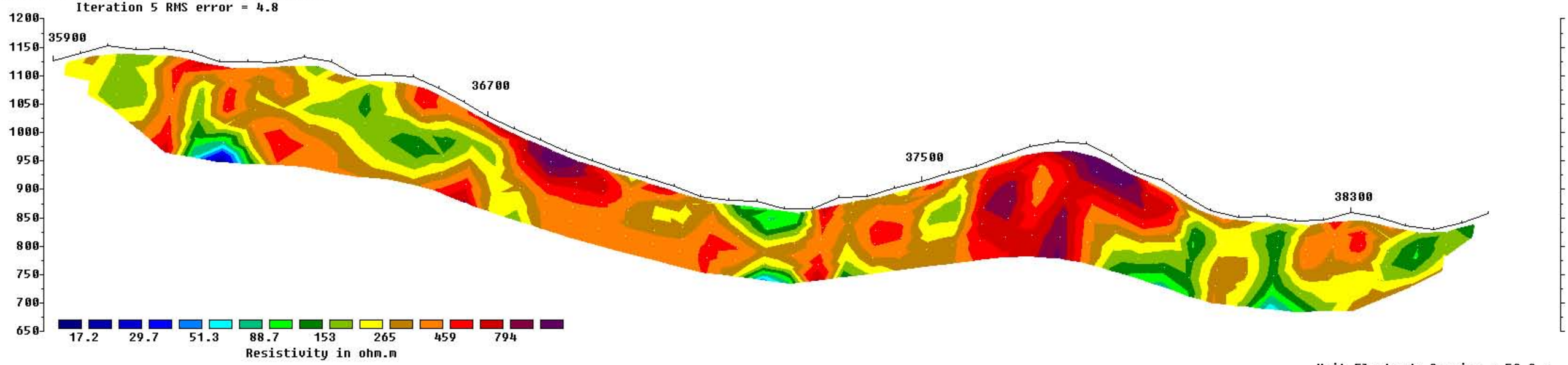
Unit Electrode Spacing = 50.0 m.

Horizontal scale is 34.76 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 35900.0 m.
Last electrode is located at 38200.0 m.

Merit Property Line 54400N

Elevation

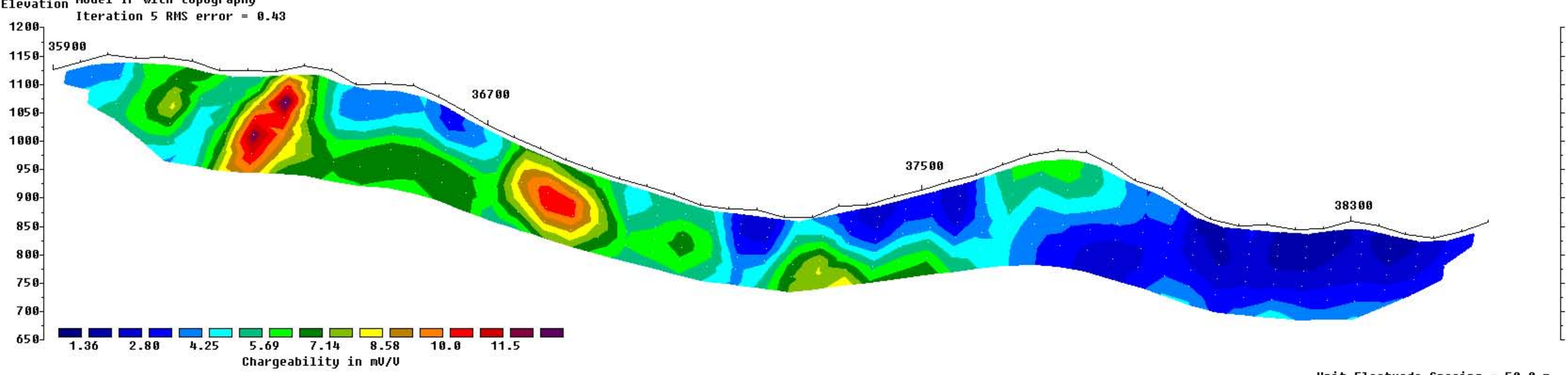
Model resistivity with topography
Iteration 5 RMS error = 4.8



Unit Electrode Spacing = 50.0 m.

Elevation

Model IP with topography
Iteration 5 RMS error = 0.43

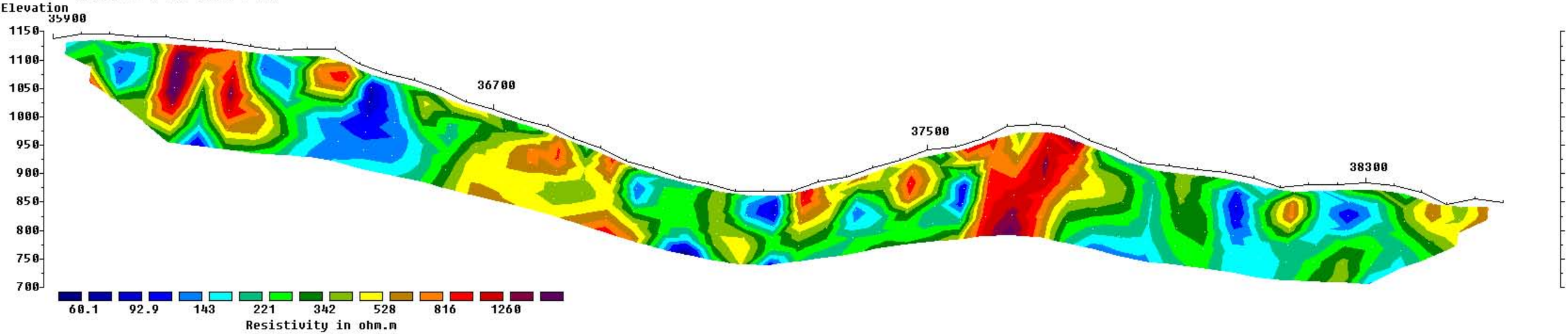


Unit Electrode Spacing = 50.0 m.

Horizontal scale is 30.17 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 35900.0 m.
Last electrode is located at 38550.0 m.

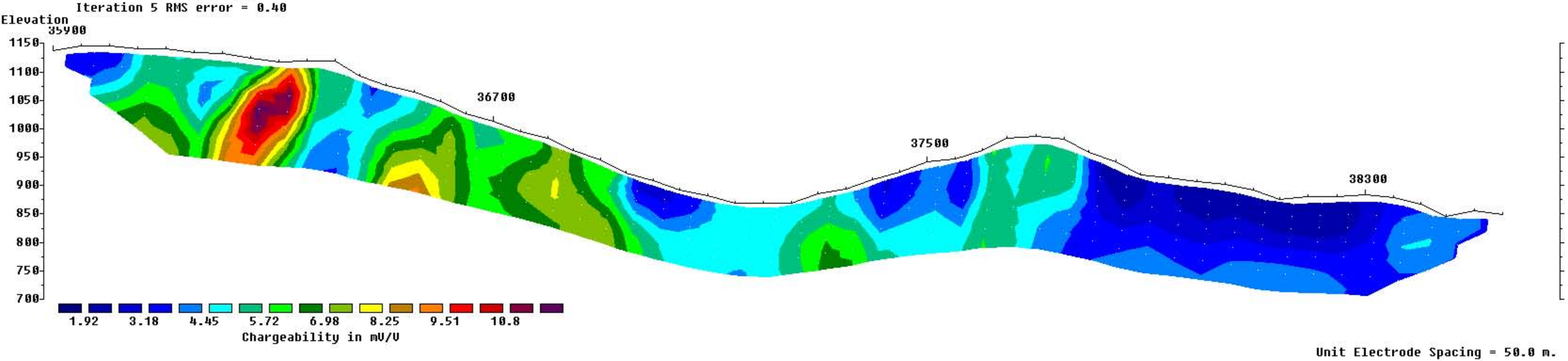
Merit Property Line 54200N

Model resistivity with topography
Iteration 5 RMS error = 4.5



Unit Electrode Spacing = 50.0 m.

Model IP with topography
Iteration 5 RMS error = 0.40

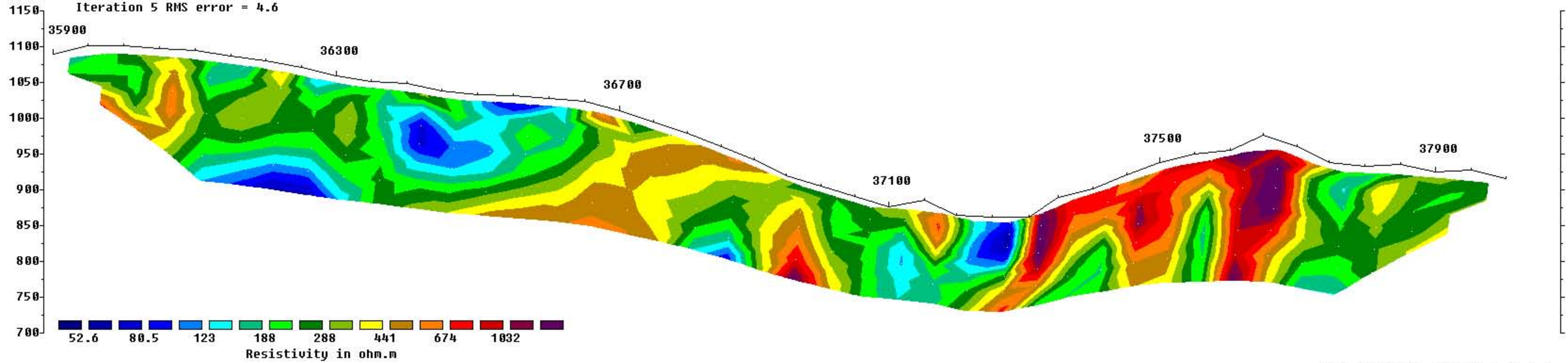


Unit Electrode Spacing = 50.0 m.

Horizontal scale is 30.17 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 35900.0 m.
Last electrode is located at 38550.0 m.

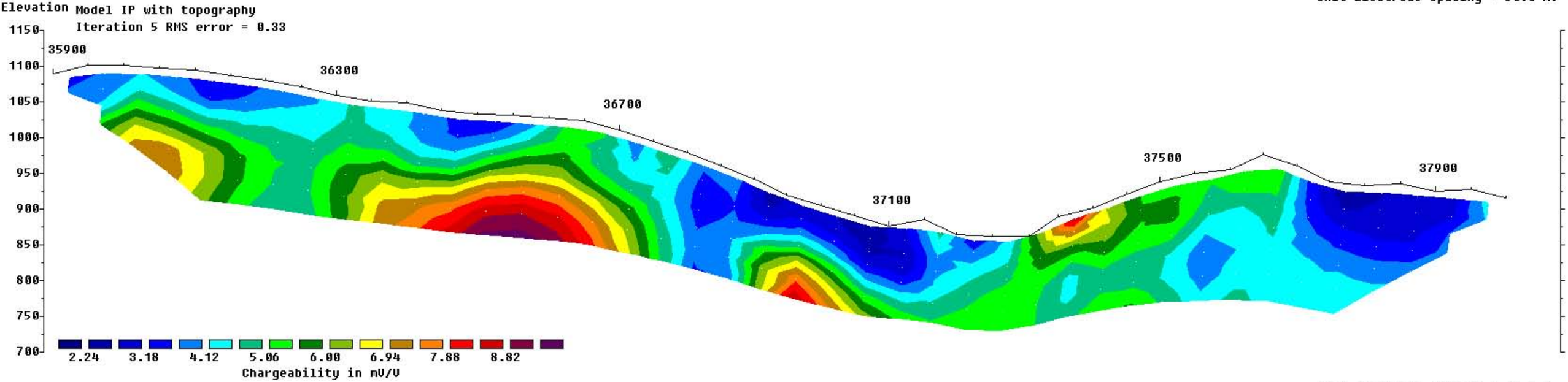
Merit Property Line 54000N

Elevation Model resistivity with topography
Iteration 5 RMS error = 4.6



Unit Electrode Spacing = 50.0 m.

Elevation Model IP with topography
Iteration 5 RMS error = 0.33

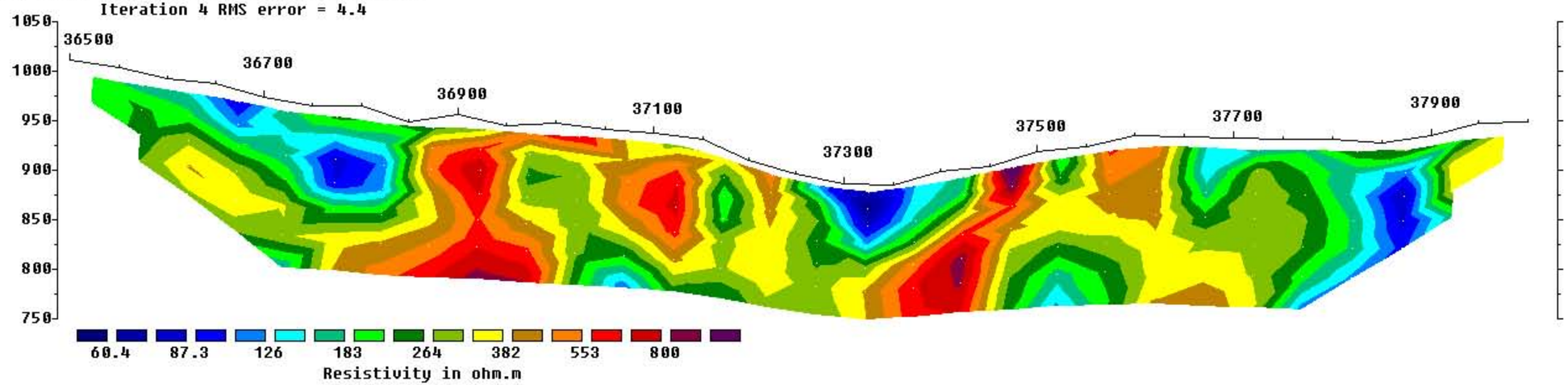


Unit Electrode Spacing = 50.0 m.

Horizontal scale is 38.07 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 35900.0 m.
Last electrode is located at 38000.0 m.

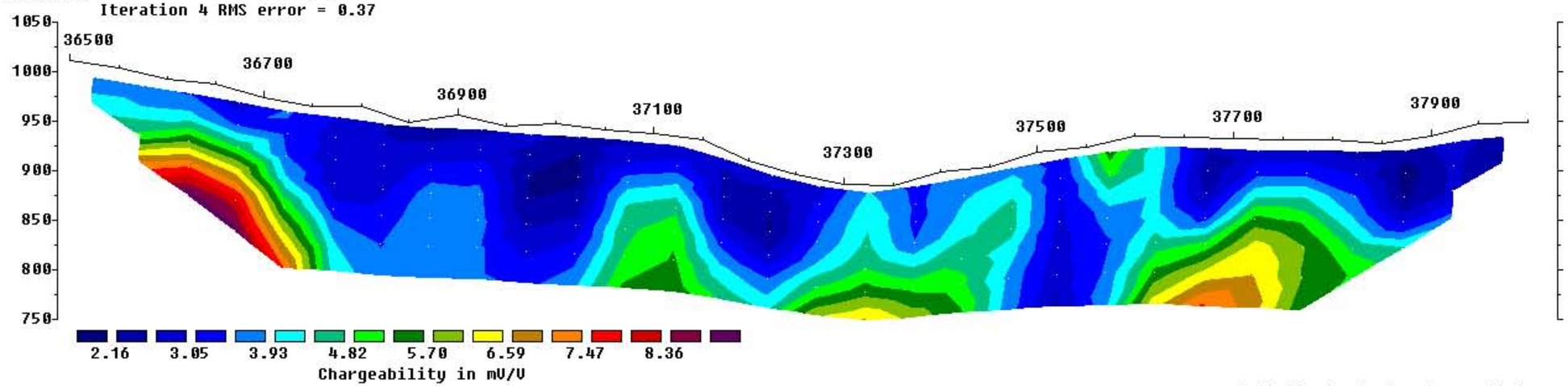
Merit Property Line 53800N

Elevation Model resistivity with topography
Iteration 4 RMS error = 4.4



Unit Electrode Spacing = 50.0 m.

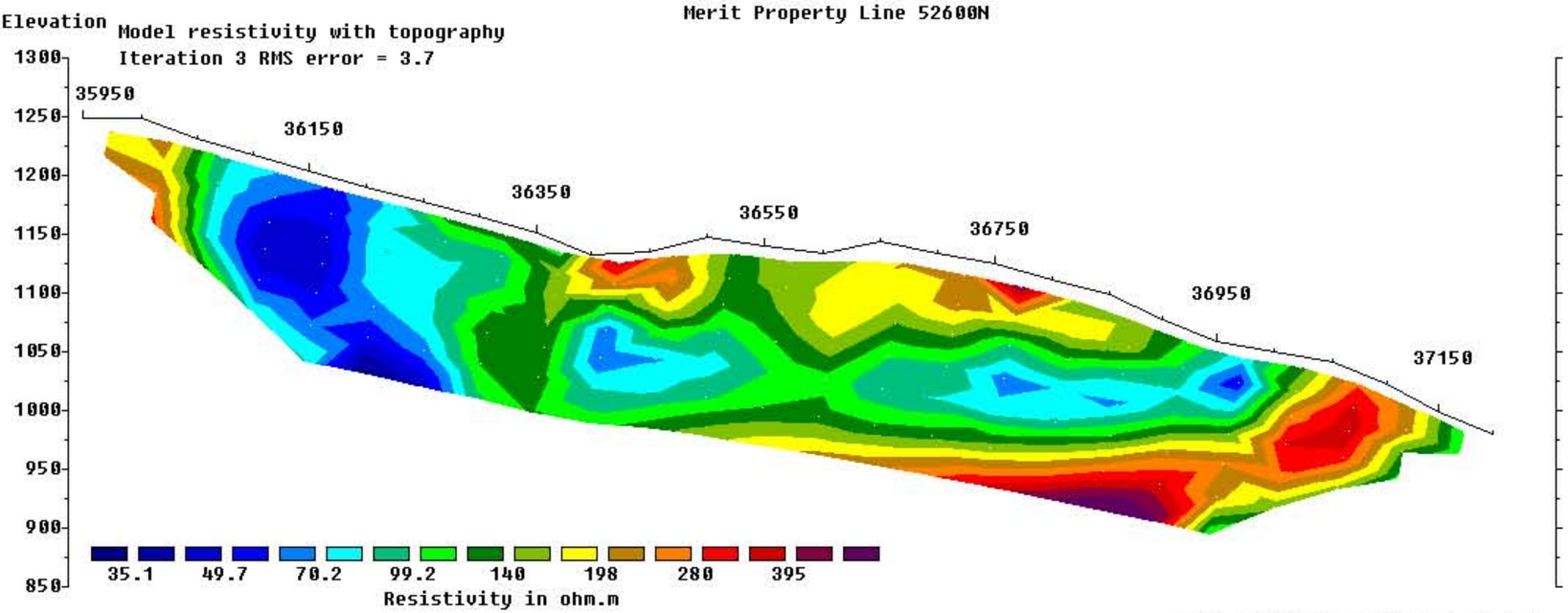
Elevation Model IP with topography
Iteration 4 RMS error = 0.37

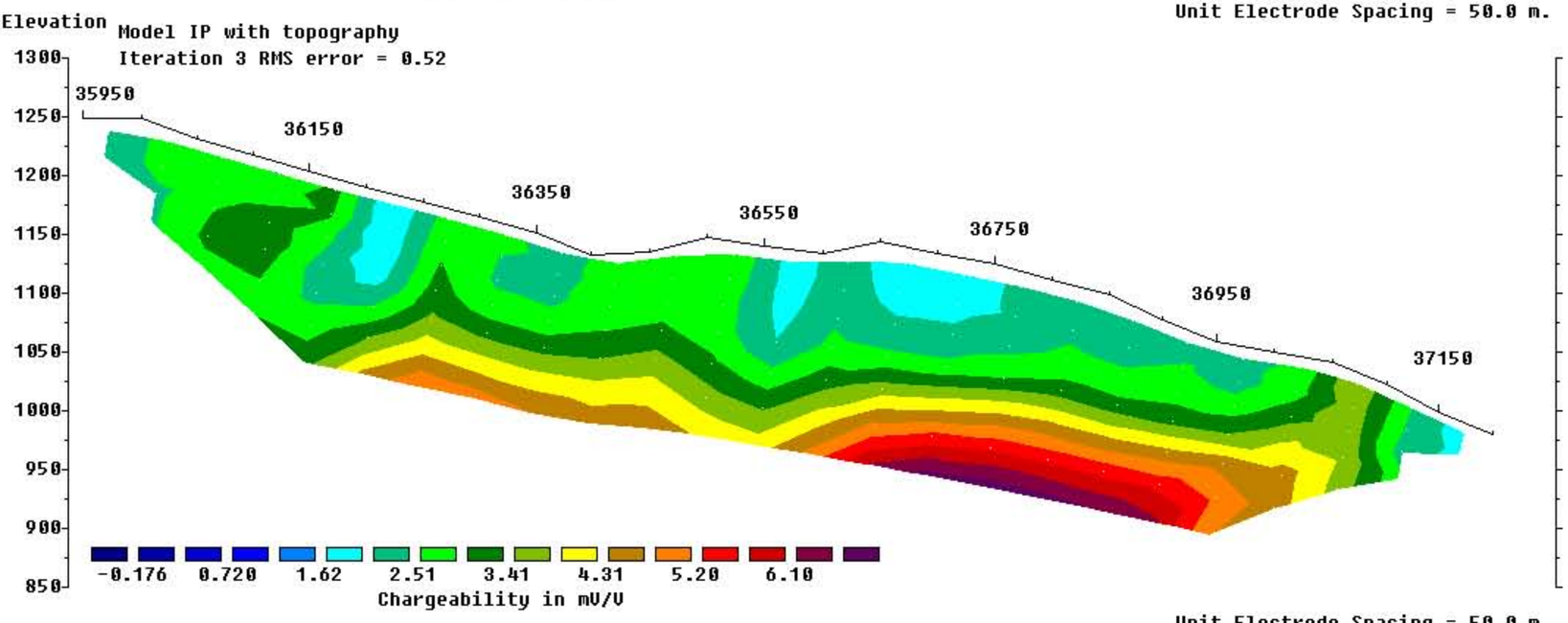


Unit Electrode Spacing = 50.0 m.

Horizontal scale is 40.00 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 36500.0 m.
Last electrode is located at 38000.0 m.

Merit Property Line 52600N

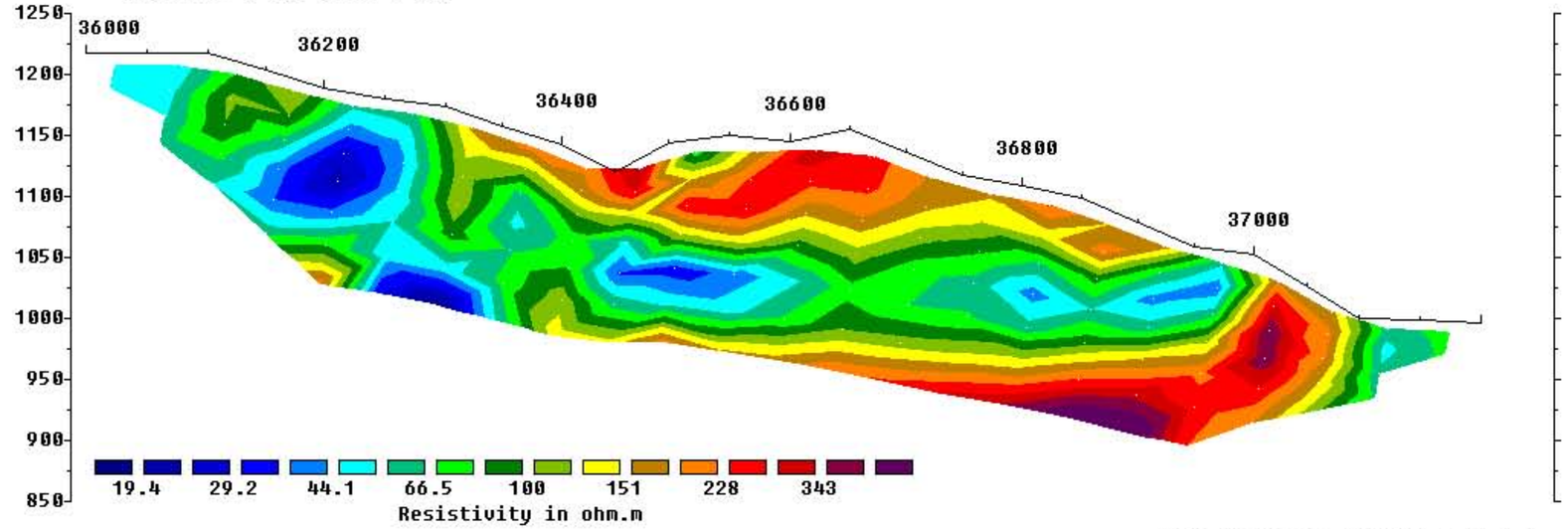




Horizontal scale is 40.00 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 35950.0 m.
Last electrode is located at 37200.0 m.

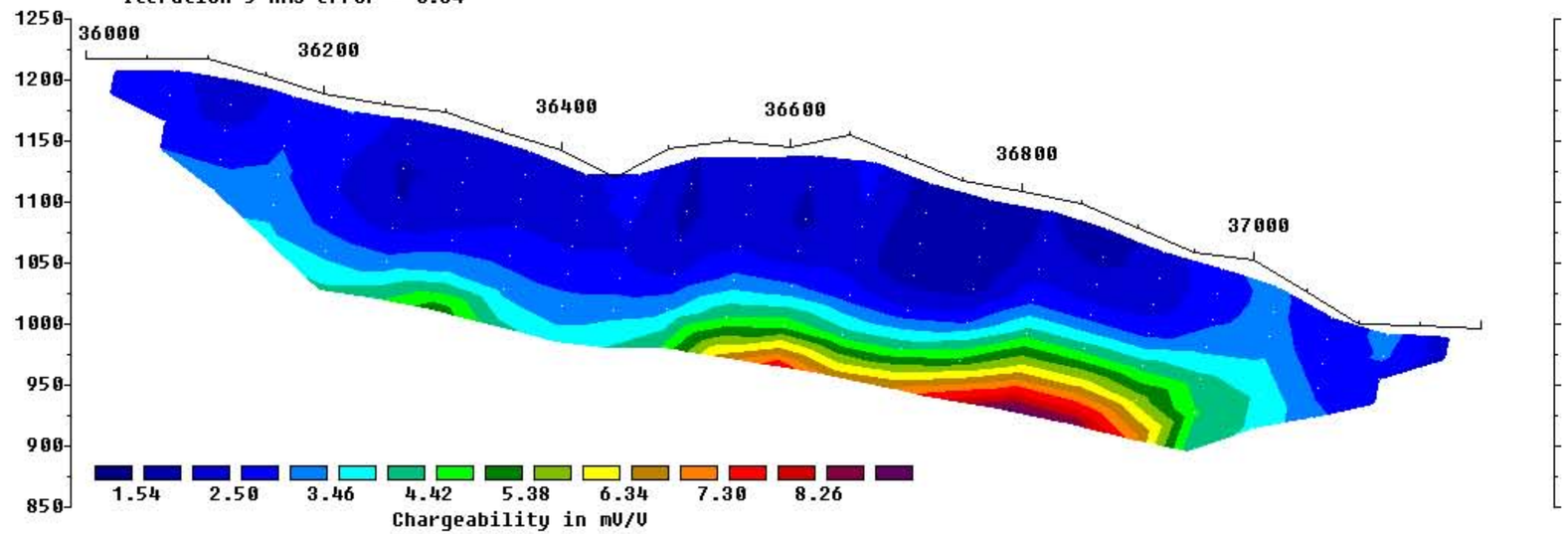
Merit Property Line 52400N

Model resistivity with topography
Iteration 5 RMS error = 4.9



Unit Electrode Spacing = 50.0 m.

Model IP with topography
Iteration 5 RMS error = 0.64

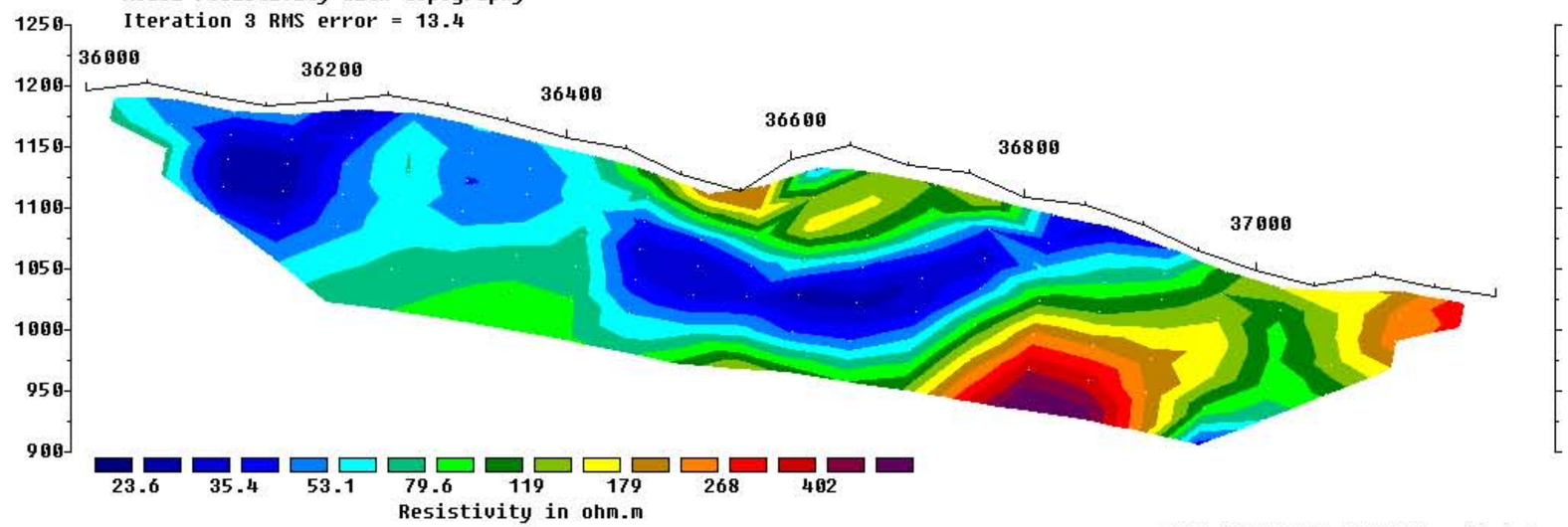


Unit Electrode Spacing = 50.0 m.

Horizontal scale is 40.00 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 36000.0 m.
Last electrode is located at 37200.0 m.

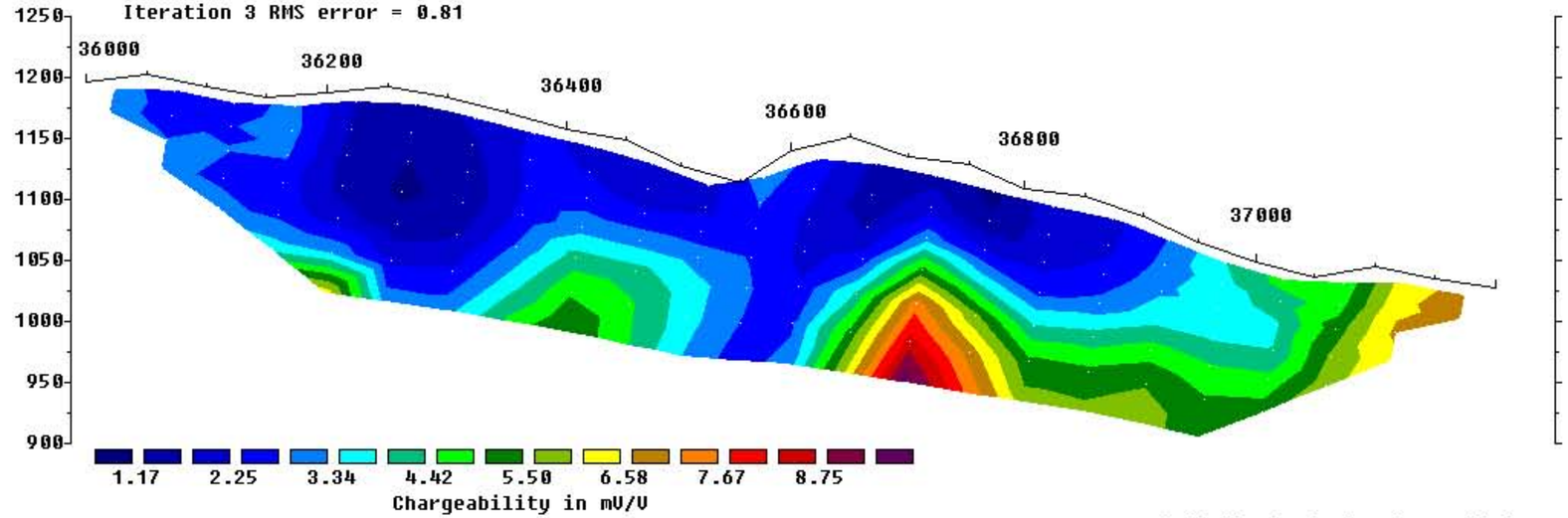
Merit Property Line 52200N

Model resistivity with topography
Iteration 3 RMS error = 13.4



Unit Electrode Spacing = 50.0 m.

Model IP with topography
Iteration 3 RMS error = 0.81



Unit Electrode Spacing = 50.0 m.

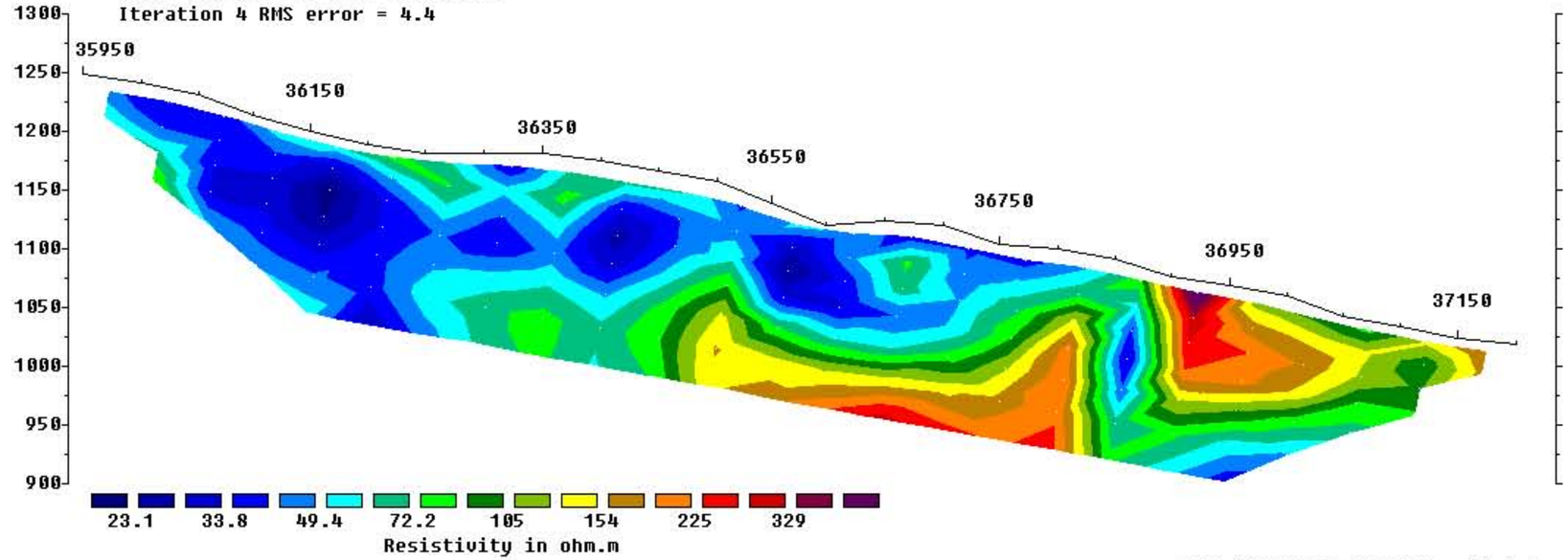
Horizontal scale is 40.00 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 36000.0 m.
Last electrode is located at 37200.0 m.

Merit Property Line 52000N

Elevation

Model resistivity with topography

Iteration 4 RMS error = 4.4

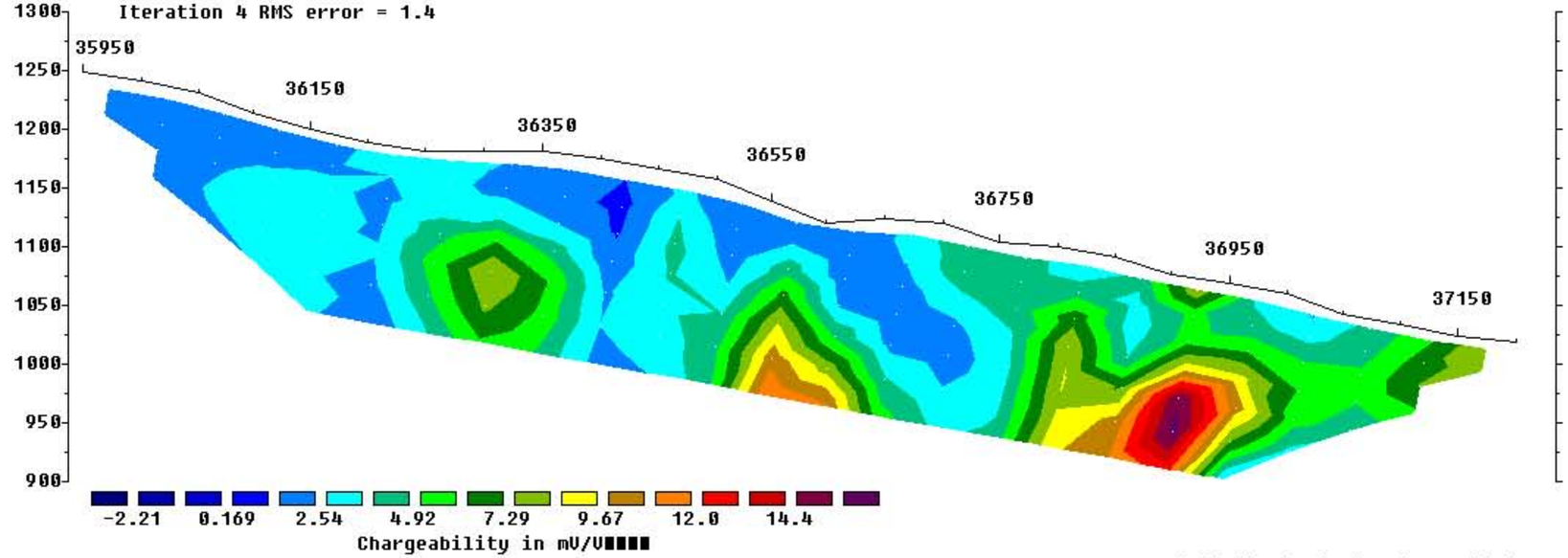


Unit Electrode Spacing = 50.0 m.

Elevation

Model IP with topography

Iteration 4 RMS error = 1.4



Unit Electrode Spacing = 50.0 m.

Horizontal scale is 40.00 pixels per unit spacing

Vertical exaggeration in model section display = 1.00

First electrode is located at 35950.0 m.

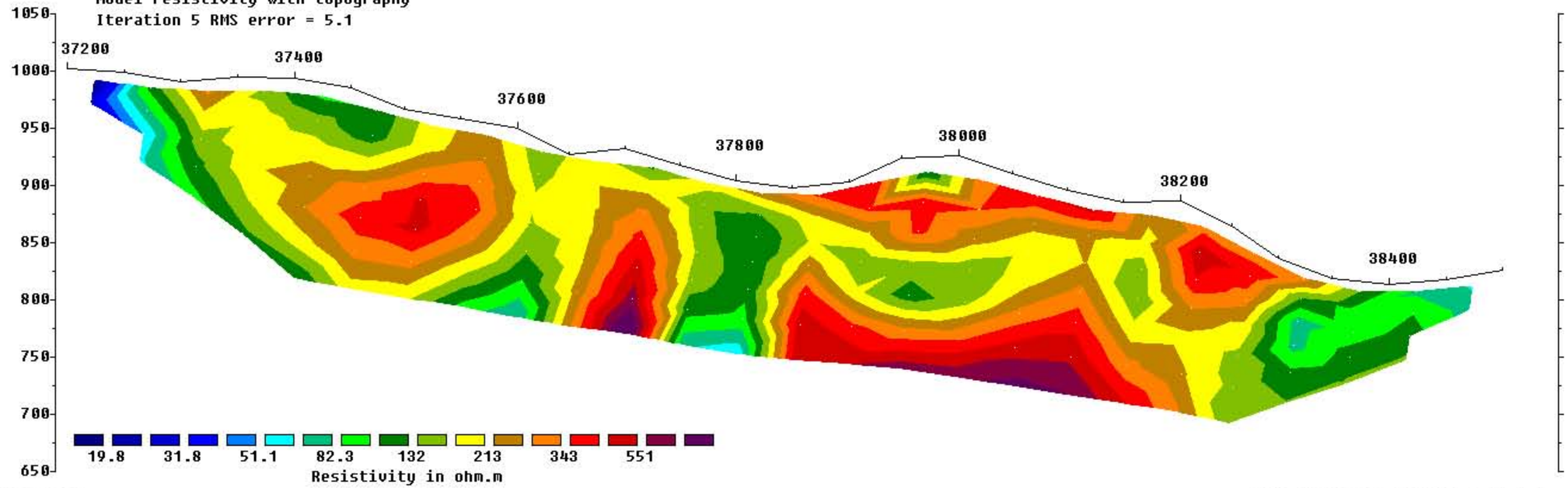
Last electrode is located at 37200.0 m.

Merit Property Line 51600N

Elevation

Model resistivity with topography

Iteration 5 RMS error = 5.1

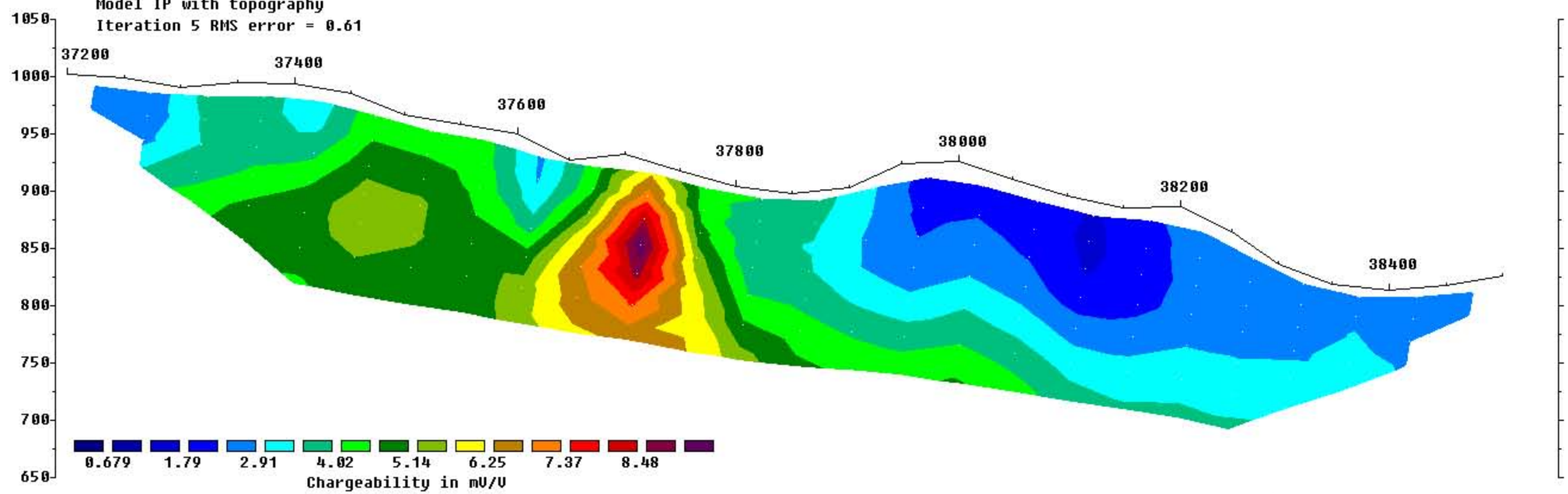


Unit Electrode Spacing = 50.0 m.

Elevation

Model IP with topography

Iteration 5 RMS error = 0.61



Unit Electrode Spacing = 50.0 m.

Horizontal scale is 48.00 pixels per unit spacing

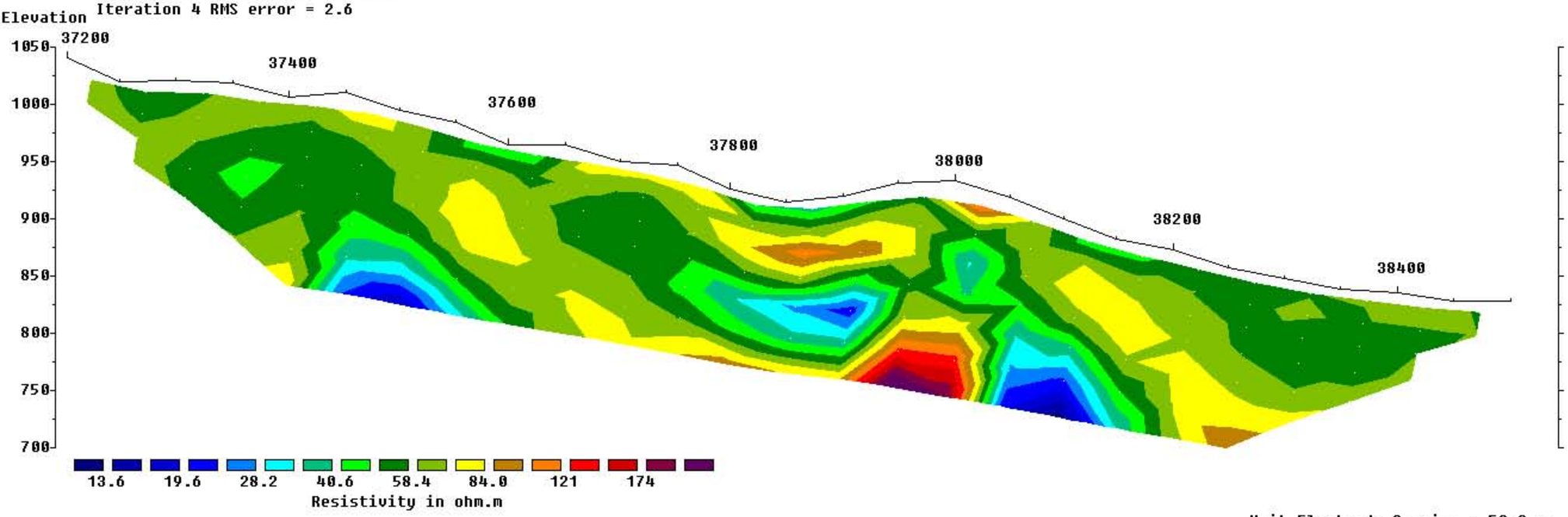
Vertical exaggeration in model section display = 1.00

First electrode is located at 37200.0 m.

Last electrode is located at 38500.0 m.

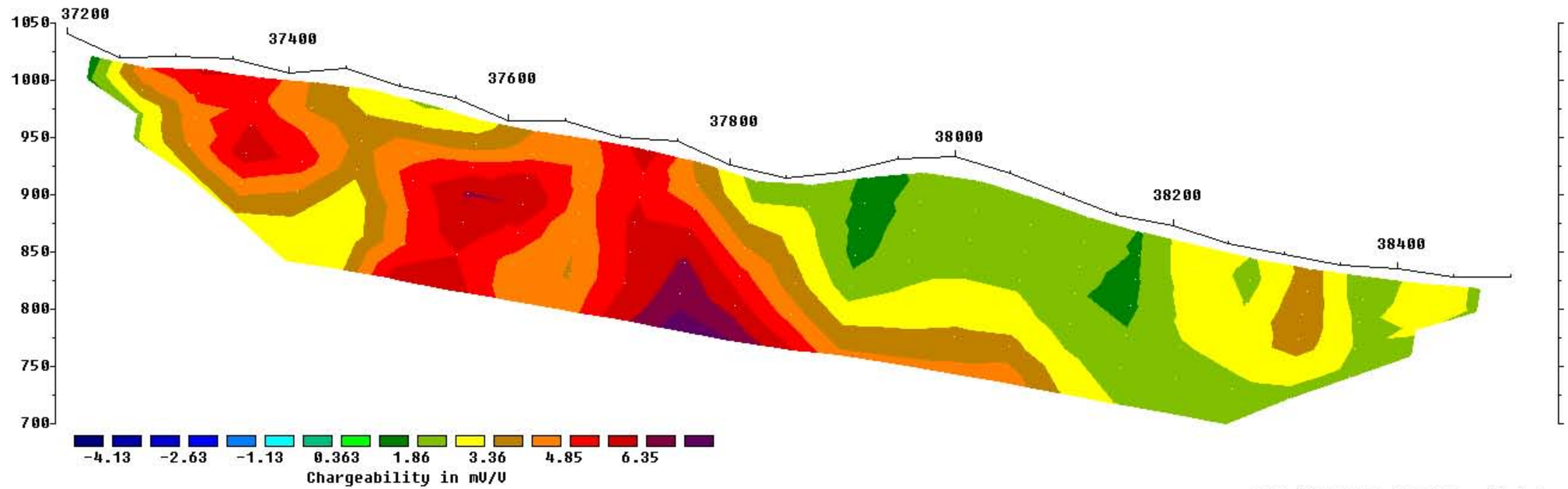
Merit Property Line 51400N

Model resistivity with topography
Iteration 4 RMS error = 2.6



Unit Electrode Spacing = 50.0 m.

Model IP with topography
Iteration 4 RMS error = 0.79



Unit Electrode Spacing = 50.0 m.

Horizontal scale is 48.00 pixels per unit spacing
Vertical exaggeration in model section display = 1.00

16 Appendix C. Sample Descriptions

Sample No.	Easting	Northing	Description	Au ppb	As ppm
7700 1400	637700	5551400	grey sandy silt, lots of rock, close to bedrock	1.2	3
7710 1400	637710	5551400	15 cm, med brown silt, flat, grassy	0.5	1.2
7720 1400	637720	5551400	5cm, grey silt, flat grassy	2.5	1.6
7730 1400	637730	5551400	10 cm, grey sandy silt, pebbles to cobbles	0.5	1.5
7740 1400	637740	5551400	5 cm, grey silt, cobbles, gentle slope	0.6	1.4
7750 1400	637750	5551400	grey silt, pine needle overlay	3.5	1.2
7760 1400	637760	5551400	grey silt	0.7	1.3
7770 1400	637770	5551400	10 cm, grey silt, 20 slope	0.5	2.1
7780 1400	637780	5551400	greyish brown, sandy silt, 20 slope, towards road	0.5	2.4
7790 1400	637790	5551400	dark brown silt exposed, side of road	0.5	3.8
7810 1400	637810	5551400	dark brown, thick organic layer	0.9	4.1
7820 1400	637820	5551400	brownish, silty clay, thick orgnaic layer	0.5	2.8
7830 1400	637830	5551400	brown silty cobbles and small boulders, thick organic	0.5	4.3
7840 1400	637840	5551400	grayish brown, silty	0.5	1.2
7850 1400	637850	5551400	grayish brown, silt, few pebbles, lots of veg.	0.8	1.7
7860 1400	637860	5551400	grey silt, heavy organic layer	0.5	1.9
7870 1400	637870	5551400	10 cm, light grey silt, gentle slope, pine needle overlay	0.5	1.1
7880 1400	637880	5551400	light brownish grey, sandy silt, exposed area out of forest, gentle slope	1.1	0.8
7890 1400	637890	5551400	5 cm, light grey sandy silt on slope exposed area	0.5	1.1
7900 1400	637900	5551400	light brownish grey, silt, cobbles, flat	0.5	1.3
7700 1450	637700	5551450	med grey sandy silt	6.9	2
7710 1450	637710	5551450	light grey silt	16.6	1.2
7720 1450	637720	5551450	light grey silt	1.4	1.3
7730 1450	637730	5551450	light grey sandy silt	3.2	1.3
7740 1450	637740	5551450	light gray, very exposed, few cobbles, sandy silt	1.3	2.3
7750 1450	637750	5551450	10 cm, grey silt, few cobbles, near pines	0.5	1.8
7760 1450	637760	5551450	10 cm, grey silt, exposed area out of forest cover	0.5	1.6
7770 1450	637770	5551450	10 cm, dark brown, silty, small cobbles, break in thick bush	4.2	9
7780 1450	637780	5551450	dark brown silt, heavy organic overlay, 35 slope	3.7	8.9
7790 1450	637790	5551450	15 cm, greyish brown, silty, heavy organic overlay	3	5.7
7800 1450	637800	5551450	brown, silty cobbles, side of road	2.2	4.9
7810 1450	637810	5551450	dark greyish brown silt, gentle slope, towards road	0.7	3.5
7820 1450	637820	5551450	greyish brown silt, flat	0.6	2.3
7830 1450	637830	5551450	greyish brown, sandy silt, gentle slope	0.6	1.7
7840 1450	637840	5551450	black silt under thick organic layer	2.5	3.1
7850 1450	637850	5551450	grey silt cobbles to small boulders, heavy organic	2.3	1.3
7860 1450	637860	5551450	grey silt on slope in pine forest	0.5	1.1
7870 1450	637870	5551450	grey silt, heading into forest, 20 slope	2.6	2.1
7880 1450	637880	5551450	10 cm, brownish grey silt, boulder, exposed slope	0.9	1.2
7890 1450	637890	5551450	brownish grey silt, cobbles	2.4	1.6
7900 1450	637900	5551450	grey silt, exposed are	0.6	1.1
7700 1500	637700	5551500	grey, sandy silt, pebbles and cobbles, pine needle overlay	54	6.6
7710 1500	637710	5551500	10 cm, gray, silty, cobbles, downslope on flat area in forest	7.7	3.5
7720 1500	637720	5551500	grey, silty, cobbles, downslope, on flat area in forest	0.6	1.9
7730 1500	637730	5551500	gray silt, cobbles, 10cm, depth in forest	103.1	4.8

Sample No.	Easting	Northing	Description	Au ppb	As ppm
7740 1500	637740	5551500	brownish gray, silty cobbles, clearing just out of forest	1.4	4.2
7750 1500	637750	5551500	10 cm, gray silt, cobbles, gentle slope	1.3	2.9
7760 1500	637760	5551500	grey silt, few cobbles, exposed gentle slope	16.8	9.7
7770 1500	637770	5551500	10 cm, med grey silt, med to large cobbles, gentle slope	1.6	2
7780 1500	637780	5551500	grey silt, pebbles, 25 slope	2.3	3.9
7790 1500	637790	5551500	dark greyish brown, silty, few cobbles, dense forest	0.9	3.8
7700 1550	637700	5551550	brownish grey silt, dense forest	0.8	3.3
7710 1550	637710	5551550	brown silt, dense forest	32.9	5.1
7720 1550	637720	5551550	brownish grey, silt, cobbles, den se forest	3.8	3.5
7730 1550	637730	5551550	15cm, reddish grey, cobbles, under rotted log	1.3	3.8
7740 1550	637740	5551550	10 cm, dark brown, sandy silt, cobbles, heavy organic overlay	1	2.6
7750 1550	637750	5551550	10 cm, grey silt, some cobbles, heavy organic overlay	0.5	2
7760 1550	637760	5551550	10 cm, grey silt, few cobbles, side of road	2	2.5
7770 1550	637770	5551550	10 cm, med brown, sandy silt, pebbles, cobbles, small boulders	3.3	5
7780 1550	637780	5551550	10 cm, light brownish grey silt, pebbles, dense forest	1.1	1.9
7790 1550	637790	5551550	grey silt, cobbles, thick organic overlay, pine needles	3.5	2.1
7800 1550	637800	5551550	dark brown, sandy silt, few cobbles, dense forest	1.6	2.8
7810 1550	637810	5551550	grey brown, silt, cobbles, flat, grassy, ant hill	4.7	3.4
7820 1550	637820	5551550	dark brown, slit, thick ash layer, cobbles	2.1	3.7
7830 1550	637830	5551550	10 cm, dark brown sandy silt, pebbles, near road, dense bush	5.5	4.2
7840 1550	637840	5551550	5cm, dark brown silty, flat near road, small cobbles	2.6	4.1
7850 1550	637850	5551550	brownish grey, silty pebbles and small cobbles, gentle slope	2.3	3.6
7860 1550	637860	5551550	15cm, grey silt, large boulder, small cobbles	0.5	2.4
7870 1550	637870	5551550	grey silt at bottom of slope, few small cobbles	1.2	1.3
7880 1550	637880	5551550	10 cm, grey sandy silt, pebbles and cobbles	1.9	1.6
7890 1550	637890	5551550	grey silty, cobbles, slope	15.5	1.3
7900 1550	637900	5551550	Brownish grey, sandy silt, pebbles and small cobbles, 35 slope	45.5	1.6
7700 1600	637700	5551600	grey, silty, small pebbles, on slope 40	6.4	1.9
7710 1600	637710	5551600	grey, silty, smal pebbles, beside road	3	4.4
7730 1600	637730	5551600	grey, sandy silt	2.4	3.2
7740 1600	637740	5551600	grey, some cobbles, steep slope 70	2	2.2
7750 1600	637750	5551600	dark brown to greyish brown, sandy silt	0.5	2.8
7770 1600	637770	5551600	dark brown, sandy silt, little bit of clay, fairly flat	0.5	3.9
7780 1600	637780	5551600	10cm, dark brown, sandy silt, boulder		
7790 1600	637790	5551600	greyish brown, sandy silt	0.5	3.2
7800 1600	637800	5551600	dark brown, sandy silt, flat, heavy forest	1.9	3.2
7810 1600	637810	5551600	dark brown, sandy silt, flat, heavy forest	1.4	2.8
7820 1600	637820	5551600	greyish brown, sandy silt	0.5	2.7
7830 1600	637830	5551600	light brown clay, flat, heavily forested, lots of organic	110.3	2.2
7840 1600	637840	5551600	dark brown, silty clay, lots of organic	2	3.6
7850 1600	637850	5551600	dark brown, sandy silt, pebbles-cobbles, flat, downslope from road	0.5	2.4
7860 1600	637860	5551600	sandy, light brown, flat, beside road	19	7.1
7870 1600	637870	5551600	5 cm, med brown, sandy silt	0.7	3.6
7880 1600	637880	5551600	dark brown, cobbles, 45 slope	0.5	3.3
7890 1600	637890	5551600	dark brown, little organic, 45 slope	3	3.7
7900 1600	637900	5551600	grey angular cobbles, >60 slope	0.5	7.3
7700 1650	637700	5551650	5cm, brownish grey, sandy silt, side of road	3	4.4
7710 1650	637710	5551650	grey, sandy silt, some pebbles	1.1	2.4

Sample No.	Easting	Northing	Description	Au ppb	As ppm
7720 1650	637720	5551650	greyish brown, sandy silt, small pebbles	2.4	2.2
7730 1650	637730	5551650	10 cm, greyish brown, silty, flat	4.8	2
7740 1650	637740	5551650	brownish grey, silty	28.7	3.3
7750 1650	637750	5551650	greyish brown, sandy silt	3	3.7
7860 1650	637860	5551650	5cm, brown, small cobbles, little organic	7.6	7.9
7870 1650	637870	5551650	med brown, silt, flat, close to road	0.5	2
7880 1650	637880	5551650	5-10 cm, greyish brown, sandy silt, gentle slope	0.5	2.2
7890 1650	637890	5551650	light greyish brown, boulder and pebbls to cobbles, gentle slope	0.5	1.9
7900 1650	637900	5551650	brownish grey sandy silt, cobbles, 30 slope	0.5	2
7700 1700	637700	5551700	brownish grey, sandy silt, right at road, soil exposed	3.8	9.9
7710 1700	637710	5551700	5cm, greyish brown, silty, gentle slope	1.3	3
7720 1700	637720	5551700	10 cm, grey, very leached, exposed gentle slope	2.3	3.5
7730 1700	637730	5551700	grey, silty cobbles and small boulders	3.7	2.2
7740 1700	637740	5551700	Brownish grey, silty, a few pebbles and cobbles	16.7	2.6
7840 1700	637840	5551700	sandy silt, little organic, pebbles to small cobbles	2.3	5.5
7850 1700	637850	5551700	15cm, greyish brown, silty, few pebbles, large boulder	0.5	2.7
7860 1700	637860	5551700	10 cm, brown silty, few cobbles	0.5	3.4
7870 1700	637870	5551700	10 cm, greyish brown, sandy silt, small pebbles	0.5	2.8
7880 1700	637880	5551700	10 cm, greyish brown, silty, flat	0.5	3.1
7890 1700	637890	5551700	20 cm, dark brown, silty, gentle slope	0.9	3.3
7900 1700	637900	5551700	10 cm, brownish grey, clayey silt, flat	0.7	2.9
7700 1750	637700	5551750	10 cm, brownish grey, mostly leached, pebbles and cobbles	0.5	4.5
7710 1750	637710	5551750	5cm, dark grey, silt, few cobbles	1.6	3.4
7720 1750	637720	5551750	10 cm, grey silt, pebbles and cobbles	1.9	2.5
7730 1750	637730	5551750	10 cm, dark grey, sandy silt, pebbles and cobbles	20.8	2.7
7740 1750	637740	5551750	10 cm, dark grey	6.9	1.7
7750 1750	637750	5551750	10 cm, grey silt, pebbles and small cobbles	4.6	2.2
7760 1750	637760	5551750	greyish brown, silty pebbles and cobbles, 20 slope	13	2.5
7840 1750	637840	5551750	10cm, brown sandy silt, flat	0.5	2.8
7860 1750	637860	5551750	10 cm, brownish grey, silty, moss, flat, near road	0.5	2
7870 1750	637870	5551750	10 cm, med. Grey clayey silt, flat, near road	0.5	2
7880 1750	637880	5551750	5cm, grey sandy silt, little organic	0.7	3.3
7900 1750	637900	5551750	grey sandy silt, flat	0.5	1.6
7700 1800	637700	5551800	10 cm, light grey silt, cobbles, well exposed slope	0.7	1.6
7710 1800	637710	5551800	grey silt, cobbles and small boulders	0.5	1.4
7720 1800	637720	5551800	grey silt, pebbles to cobbles	2.4	2.4
7730 1800	637730	5551800	light grey silt, cobbles and small boulders	95	1.5
7740 1800	637740	5551800	light grey silt, cobbles and small boulders	7.5	1.4
7750 1800	637750	5551800	light grey silt, cobbles and some boulders	5.3	1
7760 1800	637760	5551800	5 cm, light grey silt, cobbles	1	1.1
7840 1800	637840	5551800	20 cm, light grey, clayey silt, heavy forest	1.4	2
7850 1800	637850	5551800	5cm, rocky, slightly raised area (till?), med grey	1.3	6.5
7860 1800	637860	5551800	15cm, med. grey, gravel, flat	1	3.2
7870 1800	637870	5551800	light to med. grey, sandy silt, flat, break in heavy forest	1.1	2
7890 1800	637890	5551800	dark grey, high organic cont., sandy silt	1.4	2.3
7900 1800	637900	5551800	15cm Brownish Grey, silty sandy, flat	1.5	1.8
6000 4100	636000	5554100	grey silt, exposed, sunny	0.5	1.7
6020 4100	636020	5554100	4 cm, grey silt	0.5	1.7

Sample No.	Easting	Northing	Description	Au ppb	As ppm
6040 4100	636040	5554100	grey silt, cobbles, open forest	0.5	1.6
6060 4100	636060	5554100	5cm, grey silt, flat grassy	0.5	1.3
6080 4100	636080	5554100	light grey silt, pine needles cover, few cobbles	0.5	1
6100 4100	636100	5554100	4 cm, grey silt	0.5	0.8
6120 4100	636120	5554100	10 cm, dark reddish brown, grassy, few cobbles	0.5	1.2
6140 4100	636140	5554100	1 cm, grey brown silt	0.5	1.6
6160 4100	636160	5554100	10 cm, dark brown, silty, few cobbles, roots	0.5	7
6180 4100	636180	5554100	1 cm, grey silt	0.5	2.6
6200 4100	636200	5554100	light brown sandy silt, cobbles	1.2	10.4
6220 4100	636220	5554100	1 cm, grey silt	0.5	6.6
6240 4100	636240	5554100	15 med brown, silt, few pebbles, large boulder	0.5	1.5
6260 4100	636260	5554100	1cm grey silt	0.5	0.9
6280 4100	636280	5554100	med grey silt, few cobbles, grassy	0.5	0.7
6300 4100	636300	5554100	1cm grey, brown silt	0.5	1.1
6320 4100	636320	5554100	med grey silt, few cobbles grassy	6.6	2.3
6340 4100	636340	5554100	1 cm, grey silt	0.5	11.7
6360 4100	636360	5554100	brownish red, silt, cobbles, pine needle cover	0.5	6.3
6380 4100	636380	5554100	3 cm, red brown silt	0.5	7.4
6400 4100	636400	5554100	med brown sandy silt, few cobbles, 45 slope	0.5	6.4
6420 4100	636420	5554100	3 cm, brown grey silt	0.5	3.1
6440 4100	636440	5554100	greyish brown, sandy silt, cobbles, pine trees, gentle slope	0.5	6
6460 4100	636460	5554100	2 cm, browny grey, silt	0.5	4
6480 4100	636480	5554100	5 cm, reddish brown, sandy silt, 30 slope	1.5	18
6500 4100	636500	5554100	5 cm, red brown silt	0.6	9.3
6520 4100	636520	5554100	10 cm, dark reddish brown sandy silt, flat	0.5	3.6
6540 4100	636540	5554100	2 cm, red brown silt	0.5	2.5
6560 4100	636560	5554100	grey silt, few cobbles	0.5	1.9
6580 4100	636580	5554100	grey silt	0.5	6.1
6600 4100	636600	5554100	light grey sandy silt, exposed, rocky plateau	0.5	9.8
6620 4100	636620	5554100	grey silt	0.5	1
6640 4100	636640	5554100	5cm, grey brown silt	0.5	6.7
6660 4100	636660	5554100	light grey sandy silt, 15 slope, pine needles	0.5	2.4
6680 4100	636680	5554100	5 cm, grey silty	0.5	4.5
6700 4100	636700	5554100	light grey, sandy silt, gentle slope, grass, pine needles	ns	ns
6720 4100	636720	5554100	2 cm, grey silty	0.5	2.6
6740 4100	636740	5554100	light brownish grey, sandy silt, few large cobbles on slope 30	0.5	3.6
6760 4100	636760	5554100	2 cm, grey silty	1.1	3.4
6780 4100	636780	5554100	2 cm, grey silt	1.1	2.2
6820 4100	636820	5554100	10 cm, brownish grey, gentle slope, pine, few cobbles	6.3	2.2
6840 4100	636840	5554100	2 cm, reddish grey silt, rocky, 35 slope	0.8	2.7
6860 4100	636860	5554100	10 cm, light grey, sandy silt, gentle slope, pine needles	0.5	1.8
6880 4100	636880	5554100	5 cm, reddish greyish brown, slope 35	0.5	1.2
6900 4100	636900	5554100	med brown, sandy silt, tree fall, small bushes, cobbles, gentle slope	0.5	7.1
6920 4100	636920	5554100	med brown, sandy silt	3.7	4.9
6940 4100	636940	5554100	reddish brown, small cobbles, slope 30, pine	1.5	5.6
6960 4100	636960	5554100	red brown, 3 cm silt	10	3.9
6980 4100	636980	5554100	med brown, sandy silt, cobbles, slope 30	0.5	4.3
7000 4100	637000	5554100	med brown, sandy silt	0.5	2.1

Sample No.	Easting	Northing	Description	Au ppb	As ppm
6000 4200	636000	5554200	1 cm, brown grey, silt	0.5	3.5
6040 4200	636040	5554200	grey silty, few pebbles, gentle slope	0.5	2
6060 4200	636060	5554200	1 cm, brown, grey silty	9.3	1.2
6080 4200	636080	5554200	light grey, sandy silt, cobbles, exposed, open	0.5	1.3
6100 4200	636100	5554200	1cm, brown, silty	0.5	1.5
6120 4200	636120	5554200	med brown, silty,f ew cobbles, flat grassy	0.5	1.2
6140 4200	636140	5554200	5 cm, grey silt	0.5	1.9
6160 4200	636160	5554200	10 cm, dark brown, silty, few cobbles, roots	0.5	1.4
6180 4200	636180	5554200	2 cm, grey silt	0.5	1.7
6200 4200	636200	5554200	10 c m, grey silt, few cobbles	0.5	2.6
6220 4200	636220	5554200	2 cm, brown grey, silty	8.4	2.1
6240 4200	636240	5554200	10 cm, brown silty, few cobbles	0.5	1.8
6260 4200	636260	5554200	1 cm, brownish grey, silty	0.5	1.2
6280 4200	636280	5554200	light grey silt, cobbles, flat open grassy area	0.5	1.2
6300 4200	636300	5554200	2 cm, brown grey silty	0.5	2.8
6320 4200	636320	5554200	brown, silty, few pebbles and cobbles, grassy	0.5	4.4
6340 4200	636340	5554200	2 cm, brownish grey silt	0.5	3.7
6360 4200	636360	5554200	reddish brown, sandy silt, few cobbles, flat, open	1.1	4.1
6380 4200	636380	5554200	5cm, greyish brown, silty	1.2	4.4
6400 4200	636400	5554200	greyish brown silt, few pebbles, grassy	1.4	5.4
6420 4200	636420	5554200	reddish brown, silty	0.5	8.8
6440 4200	636440	5554200	reddish brown, silty, pebbles, grassy	0.5	12.8
6460 4200	636460	5554200	brown red, silty sandy	1.4	13.4
6480 4200	636480	5554200	15 cm, reddish brown, heavy organic, few cobbles	1.3	17.2
6500 4200	636500	5554200	silty, brown grey	0.6	13.9
6520 4200	636520	5554200	greyish brown, sandy silt, cobbles, pine needle cover	35.1	9.3
6540 4200	636540	5554200	silt, brown grey	0.5	6.9
6560 4200	636560	5554200	light grey, sandy silt, few cobbles, grassy, flat	0.5	2.3
6580 4200	636580	5554200	8 cm, silt, brownish grey	0.5	1.8
6600 4200	636600	5554200	10 cm, light grey, sandy silt, pebbles, grassy	0.5	3
6620 4200	636620	5554200	8 cm, silt, grey	5.8	2.2
6640 4200	636640	5554200	light grey silt, thick organic layer	0.5	1.6
6660 4200	636660	5554200	3cm, silty, grey	39.8	2.5
6680 4200	636680	5554200	10 cm, light grye, sandy silt, pebbles	0.5	2.4
6700 4200	636700	5554200	5cm, silty, grey	0.5	2.3
6720 4200	636720	5554200	brownish grey, sandy silt, few cobbles, steep slope	0.5	3.8
6740 4200	636740	5554200	10 cm, silty sandy, grey	0.5	1.8
6760 4200	636760	5554200	brownish grey, silt, pebbles to cobbles, fairly flat	0.5	2.2
6780 4200	636780	5554200	5cm, silty brown grey	0.5	3
6800 4200	636800	5554200	10 cm, med brown silt, cobbles	0.5	4
6820 4200	636820	5554200	10 cm, silty brownish grey	0.5	1.5
6840 4200	636840	5554200	10 cm, light grey silt, lots of pine needles	0.5	1.1
6860 4200	636860	5554200	2cm silty, brownish grey	0.5	1.5
6880 4200	636880	5554200	10 cm, dark brown silt, cobbles and pebbles	4.6	5
6900 4200	636900	5554200	10 cm, browni grey, silty sandy, pebbles and cobbles	0.5	3.3
6920 4200	636920	5554200	brownish grey silt, cobbles, gentle slope	0.5	1.3
6940 4200	636940	5554200	2cm, brownish grey, red rocks, silty sandy	0.5	2.4
6960 4200	636960	5554200	10 cm, few cobbles and pebbles, light grey silt	0.5	1.4

Sample No.	Easting	Northing	Description	Au ppb	As ppm
6980 4200	636980	5554200	1cm, brownish grey, silty sandy, steep slope	0.5	2.1
7000 4200	637000	5554200	20cm, sandy silt, brownish grey, lots of cobbles, on slope	0.5	2.5
6000 4300	636000	5554300	light reddish brown, sandy silt, few cobbles, grassy, flat, open	0.5	7.8
6020 4300	636020	5554300	.5cm, grey silt	0.5	0.6
6040 4300	636040	5554300	grey sandy silt, lots of cobbles, small boulders, flat	0.5	1.4
6060 4300	636060	5554300	4cm, grey silt, rocky	0.5	0.8
6080 4300	636080	5554300	10 cm, grey silt, flat, pine needles forest	0.5	0.5
6100 4300	636100	5554300	4 cm, grey silt	2.2	0.7
6120 4300	636120	5554300	5 cm, brownish grey, sandy silt, cobbles, pine needles	0.5	2.4
6140 4300	636140	5554300	.5 cm grey, 45 slope	0.5	3.1
6160 4300	636160	5554300	grey silt, sunny, grassy, flat	0.5	0.9
6180 4300	636180	5554300	2cm, red brown	0.5	1.1
6200 4300	636200	5554300	med grey silt, flat, cobbles, pine needles	0.5	1.6
6220 4300	636220	5554300	1cm, reddish grey	0.5	0.8
6240 4300	636240	5554300	light greyish brown, silty, cobbles, pine needles	0.5	3.3
6260 4300	636260	5554300	1 cm, reddish grey	6.6	5.4
6280 4300	636280	5554300	light greyish brown, silty flat, grassy	0.5	0.7
6300 4300	636300	5554300	3cm, grey silt	0.5	0.9
6320 4300	636320	5554300	reddish brown, sandy silt, 70 slope	0.5	1.9
6340 4300	636340	5554300	10 cm, grey silty	0.5	1.8
6380 4300	636380	5554300	30 cm, brown clay	0.6	2.4
6400 4300	636400	5554300	reddish brown, soil, gentles slope, few cobbles, pine needles	0.5	4.4
6420 4300	636420	5554300	5cm, grey silt, flat	0.5	2
6440 4300	636440	5554300	dark reddish brown, sandy silt, flat pine needles, cobbles	0.5	4.5
6460 4300	636460	5554300	3cm, brownish, reddish grey	0.5	2.9
6480 4300	636480	5554300	grey, sandy silt, cobbles, pine needles, gentle slope	0.5	2.5
6500 4300	636500	5554300	3cm, grey silt, steep	0.5	1.9
6520 4300	636520	5554300	reddish brown, slope 65, pine needles	2.5	19.3
6540 4300	636540	5554300	15 cm, reddish brown, rocky	0.5	5.4
6560 4300	636560	5554300	med grey, sandy silt, cobbles, grassy, falt	0.5	1.2
6580 4300	636580	5554300	4cm, grey silt	1	1.9
6600 4300	636600	5554300	med grey brown, sandy silt, few cobbles, grassy	0.5	2.5
6620 4300	636620	5554300	8 cm, brown silt	3.9	5.2
6640 4300	636640	5554300	light brownish grey, sandy silt, lots of pebbles, cobbles on slope 45	0.5	4.6
6660 4300	636660	5554300	1 cm, grey silt	5.1	6.6
6680 4300	636680	5554300	grey, sandy silt, cobbles, pine needles, gentle slope	1.3	5.2
6700 4300	636700	5554300	5 cm, grey silt	0.5	4
6720 4300	636720	5554300	light grey, sandy silt, pebbles to cobbles, gentle slope, grassy	0.5	1.5
6760 4300	636760	5554300	dark brown, sandy silt, roots, grass	0.5	2.2
6780 4300	636780	5554300	2 cm, brown, silt	0.5	3.6
6800 4300	636800	5554300	10 cm, light brown, sandy silt, cobbles, pine needles	0.5	2.2
6820 4300	636820	5554300	8 cm, grey brown, silty	2.4	4.4
6840 4300	636840	5554300	dark brown, sandy silt, cobbles, heavy organic layer, grassy	0.9	3
6860 4300	636860	5554300	4 cm, reddish brown, silty	0.5	5.3
6880 4300	636880	5554300	10 cm, dark brown, sandy silt, cobbles, pine needles	0.5	2.5
6900 4300	636900	5554300	8 cm, brown grey silty	1.6	2.3
6920 4300	636920	5554300	dark brown, sandy silt, pine needles, roots	715.5	2.3
6940 4300	636940	5554300	8 cm, brown, silty	0.5	2.5

Sample No.	Easting	Northing	Description	Au ppb	As ppm
6960 4300	636960	5554300	brownish grey, sandy silt, grassy area, small bushes	0.5	2.2
6980 4300	636980	5554300	3 cm, brown grey, silty	0.5	2.2
7000 4300	637000	5554300	dark brown, sandy silt, cobbles, gentle slope 10	0.5	3.8
6000 4400	636000	5554400	greyish brown, sandy silt, pebbles, slope 35	0.8	5.7
6020 4400	636020	5554400	3cm reddish grey, silty, slope 25	0.5	1.5
6040 4400	636040	5554400	dark grey, sandy silt, gentle slope, pebbles, grass	0.5	1.7
6060 4400	636060	5554400	2 cm, grey brownish silty sandy, flatish	2.4	1.1
6080 4400	636080	5554400	light brownish grey silty, gentle slope 15	1.2	1.5
6100 4400	636100	5554400	1 cm, grey silty, flat, thin soil layer	0.5	2.6
6120 4400	636120	5554400	grey silt, lots of organic, gentle slope	0.5	3.3
6140 4400	636140	5554400	4 cm, light slope, brown silt	0.5	2
6160 4400	636160	5554400	light brownish grey silt, grassy, gentle slope	0.5	1.5
6180 4400	636180	5554400	grey, 4 m, silty, flat	0.5	1.9
6200 4400	636200	5554400	light greyish brown, silt, gentle slope, grass	0.5	1.8
6220 4400	636220	5554400	3 cm, brown grey silt, flat	0.5	3.8
6240 4400	636240	5554400	grey sandy silt, pebbles, pine needles, fallen logs	0.5	2.7
6260 4400	636260	5554400	15 cm, red brown, silty	0.5	2.2
6280 4400	636280	5554400	greyish brown, silty, slope 34-40, organic windfall, cobbles	0.5	2.4
6300 4400	636300	5554400	30 cm, brwon, silty flat	0.5	2
6320 4400	636320	5554400	light greyish brown, sandy silt, pebbles, small cobbles, flat	0.5	3.3
6340 4400	636340	5554400	2 cm, reddish brown, flat	0.5	4.6
6360 4400	636360	5554400	dark reddish brown, sandy silt, few cobbles, grassy, pine needles	0.5	8
6380 4400	636380	5554400	2 cm, reddish brown, flat	0.5	6.2
6400 4400	636400	5554400	reddish brown, sandy silt, gentle slope	0.5	3
6420 4400	636420	5554400	4 cm, brown, silty, flat	0.5	2.3
6440 4400	636440	5554400	greyish brown, silty, flat, pine needles	0.5	2.4
6460 4400	636460	5554400	6 cm, reddish brown, flat	0.5	1.9
6480 4400	636480	5554400	brownish, slightly red, silty, gentle slope	0.5	4.7
6500 4400	636500	5554400	4 cm, reddish brn, rocky, cobbles, steep slope 70	1	9.8
6520 4400	636520	5554400	greyish brown, silty, few pebbles, flat	0.5	2.4
6540 4400	636540	5554400	3 cm, silt, flat, brown	7.6	3.5
6560 4400	636560	5554400	grey, sandy silt, thick grass, open meadow, pebbles	0.9	2.8
6580 4400	636580	5554400	1cm grey silt, flat	7.7	2.7
6600 4400	636600	5554400	dark brown, sandy silt, pebbbles, cobbles, gentle slope, open	6.4	3.1
6620 4400	636620	5554400	exposed, silty, pebbles, slope 30	2.5	3.2
6640 4400	636640	5554400	talus, light brown, sandy, slope 45	0.5	2.2
6660 4400	636660	5554400	exposed, silty, pebbles, slope 30	0.5	2.2
6680 4400	636680	5554400	light brown, sandy, slope 40, talus	0.5	3.9
6700 4400	636700	5554400	exposed, silty, pebbles, slope 30	0.5	2.5
6720 4400	636720	5554400	talus, light brown, sandy, slope 45	1.4	2.9
6740 4400	636740	5554400	2 cm, grey slit, cobbles, slope 30	0.5	2.6
6760 4400	636760	5554400	greyish brown, sandy silt, pebbles and cobbles, organic, pine, slope 20	0.5	2.6
6780 4400	636780	5554400	2 cm, grey silt, cobbles, slope 30	0.5	2.3
6800 4400	636800	5554400	dark brown, sandy silt, cobbles, gentle slope, pines	0.5	2.5
6820 4400	636820	5554400	2 cm, grey silt, 30 slope	0.5	1.7
6840 4400	636840	5554400	brownish grey, sandy silt, cobbles, gentle slope, pine	0.5	2.5
6860 4400	636860	5554400	30 cm, grey brown, silt, slope 30, large rocks	0.5	3.2
6880 4400	636880	5554400	light brown, sl ity, cobbles, slope 15	0.5	2.8

Sample No.	Easting	Northing	Description	Au ppb	As ppm
6900 4400	636900	5554400	2 cm, grey silt, 30 slope	0.5	1.3
6920 4400	636920	5554400	reddish brown, sandy silt, pebbles and few cobbles, gentle slope	0.5	3.7
6940 4400	636940	5554400	2 cm, brn. Grey silt, flatish	0.5	2
6960 4400	636960	5554400	med brown, sandy silt, few pebbles, gentle slope	0.5	1.5
6980 4400	636980	5554400	5 cm, brn grey silt, slope 20	0.5	1.8
7000 4400	637000	5554400	dark grayish brown, sandy silt, pebbles, falt, pine needles	0.5	2.2
4600 6200	636200	5554600	grey-brown, depth 20 cm, slope 5°,spruce silty-sandy, B horiz.	4.1	1.2
4600 6220	636220	5554600	medium-brown, depth 20 cm, slope 2°,spruce silty-sandy, B horiz.	1.3	7.7
4600 6240	636240	5554600	light-brown, depth 20 cm, slope 2°,spruce silty-sandy, B horiz.	<0.5	6.3
4600 6260	636260	5554600	medium-brown, depth 20 cm, slope 2°,spruce silty-sandy, B horiz.	<0.5	4
4600 6280	636280	5554600	medium-brown, depth 20 cm, slope 2°, poplar-spruce,spruce B horiz.	1.3	4.9
4600 6300	636300	5554600	medium-brown, depth 20 cm, slope 15°,spruce silty-sandy, B/C horiz.	<0.5	7
4600 6320	636320	5554600	medium-brown, depth 35 cm, slope 30°,spruce silty-sandy, B horiz.	7.3	13.7
4600 6340	636340	5554600	light-brown, depth 20 cm, slope 2°, poplar, silty-sandy, B horiz.	1.9	4
4600 6360	636360	5554600	medium-brown, depth 25 cm, slope 0°, poplar, silty-sandy, B horiz.	0.7	1.7
4600 6380	636380	5554600	brown-grey, depth 20 cm, slope 2°, alder-poplar, silty-sandy, B horiz.	<0.5	2.6
4600 6400	636400	5554600	light-brown, depth 20 cm, slope 25°, poplar-spruce, silty-sandy, B horiz.	2.6	2.5
4700 6200	636200	5554700	medium-brown, depth 15 cm, slope 18°, poplar-spruce, clay, B horiz.	<0.5	1
4700 6220	636220	5554700	medium-brown, depth 20 cm, slope 15°, mixed, silty-sandy, B horiz.	0.5	1.1
4700 6240	636240	5554700	medium-brown, depth 30 cm, slope 18°, mixed, silty-sandy, B horiz.	2.4	1.7
4700 6260	636260	5554700	medium-brown, depth 30 cm, slope 12°, poplar-spruce, silty-sandy, B horiz.	0.8	0.9
4700 6280	636280	5554700	medium-brown, depth 25 cm, slope 16°, poplar-spruce, silty-sandy, C horiz.	1.1	1.5
4700 6300	636300	5554700	light-brown, depth 30 cm, slope 23°, poplar-spruce, silty-sandy, B horiz.	4.4	2.6
4700 6320	636320	5554700	grey, depth 25 cm, slope 18°, mixed, clay, B horiz.	0.8	2.8
4700 6340	636340	5554700	medium-brown, depth 30 cm, slope 40°,spruce silty-sandy, B horiz.	7.3	10.4
4700 6360	636360	5554700	medium-brown, depth 25 cm, slope 35°,spruce silty-sandy, B horiz.	<0.5	6.6
4700 6380	636380	5554700	reddish brown, depth 20 cm, slope 25°,spruce silty-sandy, B/C horiz.	3.7	6.1
4700 6400	636400	5554700	light-brown, depth 20 cm, slope 10°,spruce silty-sandy, B horiz.	2.5	5
4700 6420	636420	5554700	medium-brown, depth 35 cm, slope 5°,spruce silty-sandy, B horiz.	8.5	7.8
4700 6440	636440	5554700	medium-brown, depth 20 cm, slope 8°,spruce silty-sandy, B horiz.	1.8	2.4
4800 6200	636200	5554800	grey, depth 20 cm, slope 5°, poplar-spruce, clay, B horiz.	1.1	1.1
4800 6220	636220	5554800	light-brown, depth 15 cm, slope 10°, poplar-spruce, silty-sandy, B horiz.	3.6	2.3
4800 6240	636240	5554800	medium-brown, depth 15 cm, slope 5°, poplar-spruce, silty-sandy, B horiz.	1.7	2.4
4800 6260	636260	5554800	medium-brown, depth 15 cm, slope 5°, poplar-spruce, silty-sandy, B horiz.	2.2	2.1
4800 6280	636280	5554800	light-brown, depth 20 cm, slope 10°, poplar-spruce, silty-sandy, B/C horiz.	6.7	5.2
4800 6300	636300	5554800	light-brown, depth 20 cm, slope 35°, poplar-spruce, silty-sandy, B/C horiz.	1.7	7.7
4800 6320	636320	5554800	light-brown, depth 20 cm, slope 25°, poplar-spruce, silty-sandy, B/C horiz.	0.6	13.3
4800 6340	636340	5554800	light-brown, depth 20 cm, slope 5°, poplar-spruce, silty-sandy, B horiz.	2.7	3.8
4800 6360	636360	5554800	light-brown, depth 20 cm, slope 10°, poplar-spruce, silty-sandy, B/C horiz.	1.4	4
4800 6380	636380	5554800	light-brown, depth 20 cm, slope 10°, poplar-spruce, silty-sandy, B	0.7	4.3

Sample No.	Easting	Northing	Description	Au ppb	As ppm
			horiz.		
4800 6400	636400	5554800	light-brown, depth 20 cm, slope 10°, alder-spruce, silty-sandy, B horiz.	2.7	5

17 Appendix D. Analytical Certificates

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

Client: **Sunburst Exploration**
709 837 West Hastings St.
Vancouver BC V6C 3N6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Smithers
Received: August 03, 2010
Report Date: August 26, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS SMI10000365.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 8

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	8	Crush, split and pulverize 250 g rock to 200 mesh			SMI
1DX2	8	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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: Sunburst Exploration
709 837 West Hastings St.
Vancouver BC V6C 3N6
Canada

CC: Don Mac Intyre

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.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

AcmeLabs
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Client: **Sunburst Exploration**
709 837 West Hastings St.
Vancouver BC V6C 3N6 Canada

Project: None Given
Report Date: August 26, 2010

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS SMI10000365.1

Method		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
MT10 1	Rock	0.87	17.1	74.8	3.2	11	9.3	23.6	10.1	94	1.65	239.2	0.1	5380	0.1	84	<0.1	5.2	<0.1	13	0.23
MT10 2	Rock	0.99	18.9	26.5	2.7	26	2.4	14.7	7.0	187	1.58	185.0	0.2	836.5	0.4	19	0.1	1.6	<0.1	24	0.05
MT10 3	Rock	0.71	0.4	41.9	2.6	63	<0.1	46.2	19.6	829	3.93	7.8	0.2	10.0	1.3	86	0.5	0.4	<0.1	90	0.19
MT10 4	Rock	0.74	0.4	25.6	2.7	86	<0.1	69.8	23.1	822	3.14	5.9	0.2	4.7	0.5	176	0.2	0.6	<0.1	116	9.02
MT10 5	Rock	0.99	0.6	46.6	1.9	18	0.3	14.2	5.3	193	1.08	36.7	0.2	72.7	0.2	115	<0.1	0.5	<0.1	30	1.78
MT10 6	Rock	1.10	0.2	56.2	2.6	6	0.1	7.0	5.4	64	0.93	17.1	0.1	10.1	0.3	86	<0.1	0.5	<0.1	10	0.13
MT10 7	Rock	0.87	0.2	43.1	2.5	45	0.2	30.3	11.3	500	1.96	15.2	0.2	3.4	0.6	203	0.1	0.8	<0.1	69	3.93
MT10 8	Rock	1.02	1.2	16.1	1.4	5	7.1	1.6	0.3	37	0.36	24.4	<0.1	176.2	<0.1	32	<0.1	16.5	<0.1	2	0.02

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Vancouver BC V6C 3N6 Canada

Project: None Given
Report Date: August 26, 2010

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS SMI10000365.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
MT10 1	Rock	0.011	<1	17	0.09	10	0.002	2	0.39	0.001	0.04	<0.1	0.09	1.3	0.1	0.13	<1	<0.5	1.1
MT10 2	Rock	0.022	2	21	0.02	39	0.001	2	0.29	0.001	0.04	<0.1	0.13	1.7	0.2	<0.05	<1	<0.5	<0.2
MT10 3	Rock	0.116	11	54	0.09	77	0.004	4	1.05	0.025	0.12	<0.1	0.26	9.6	<0.1	<0.05	3	<0.5	<0.2
MT10 4	Rock	0.040	4	45	3.19	2131	0.002	2	0.55	0.022	<0.01	<0.1	0.28	8.2	<0.1	<0.05	1	<0.5	<0.2
MT10 5	Rock	0.015	1	16	0.70	349	0.001	2	0.34	0.005	0.04	<0.1	0.16	3.3	<0.1	0.15	<1	<0.5	<0.2
MT10 6	Rock	0.017	1	12	0.04	1214	0.002	2	0.64	<0.001	0.02	<0.1	0.65	0.6	<0.1	0.07	2	<0.5	<0.2
MT10 7	Rock	0.037	4	50	1.46	438	0.003	3	0.65	0.009	0.02	<0.1	0.20	9.1	<0.1	0.16	2	<0.5	<0.2
MT10 8	Rock	0.003	<1	30	<0.01	951	<0.001	<1	0.06	0.002	0.02	<0.1	10.60	0.2	<0.1	<0.05	<1	<0.5	4.0

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Project: None Given
Report Date: August 26, 2010

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QUALITY CONTROL REPORT SMI10000365.1

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																					
STD DS7	Standard		20.3	106.1	62.0	377	0.9	53.6	8.9	621	2.38	53.0	4.6	61.3	4.5	75	6.5	5.7	4.4	80	0.99
STD DS7	Standard		20.4	103.7	60.8	375	1.1	51.1	8.7	626	2.28	50.2	4.5	69.7	4.5	78	6.4	5.6	4.1	77	0.99
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		1.4	6.5	4.8	55	<0.1	3.0	4.6	591	1.97	<0.5	2.1	<0.5	6.0	74	<0.1	<0.1	0.2	36	0.58
G1	Prep Blank		0.4	3.9	3.0	63	<0.1	3.0	4.2	574	1.94	0.5	2.0	<0.5	6.2	66	0.2	<0.1	0.1	37	0.57

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Page: 1 of 1 Part 2

QUALITY CONTROL REPORT SMI10000365.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																			
STD DS7	Standard	0.081	13	208	1.03	385	0.123	37	1.08	0.097	0.49	3.5	0.20	2.6	4.0	0.20	5	3.2	1.4
STD DS7	Standard	0.075	14	202	1.04	382	0.125	39	1.08	0.100	0.46	3.5	0.21	2.7	3.8	0.19	5	3.2	1.6
STD DS7 Expected		0.08	12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.081	15	10	0.56	188	0.142	2	1.10	0.117	0.56	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.087	14	12	0.51	178	0.132	2	1.00	0.095	0.53	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2

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QUALITY CONTROL REPORT SMI10000357.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	4	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Gerry Carlson
Receiving Lab: Canada-Smithers
Received: August 03, 2010
Report Date: August 27, 2010
Page: 1 of 13

CERTIFICATE OF ANALYSIS SMI10000357.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 359

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
SS80	337	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	337	Dry at 60C			SMI
1DX1	337	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Sunburst Exploration
709 837 West Hastings St.
Vancouver BC V6C 3N6
Canada

CC: Betheny Jacobsan

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.
"*" 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: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
6000 4200	Soil	0.3	25.5	4.2	83	<0.1	38.7	14.7	551	4.14	3.5	0.2	<0.5	0.9	21	0.1	<0.1	<0.1	84	0.29	0.083
6020 4200	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6040 4200	Soil	0.4	16.0	3.9	94	<0.1	25.2	9.4	408	2.85	2.0	0.2	<0.5	0.9	28	0.1	<0.1	<0.1	75	0.30	0.047
6060 4200	Soil	0.3	16.7	5.0	77	<0.1	27.3	9.9	449	3.10	1.2	0.4	9.3	1.1	40	<0.1	0.1	<0.1	90	0.32	0.055
6080 4200	Soil	0.3	15.5	4.7	63	<0.1	22.0	8.8	399	2.70	1.3	0.4	<0.5	0.9	34	0.1	0.1	<0.1	76	0.33	0.034
6100 4200	Soil	0.3	19.9	4.8	69	<0.1	28.3	11.6	538	3.11	1.5	0.4	<0.5	1.0	44	0.1	0.1	<0.1	88	0.39	0.041
6120 4200	Soil	0.4	14.8	5.5	69	<0.1	21.5	8.9	560	2.87	1.2	0.3	<0.5	1.0	52	0.1	<0.1	<0.1	83	0.35	0.029
6140 4200	Soil	0.3	18.1	4.6	79	<0.1	26.4	9.8	346	3.47	1.9	0.3	<0.5	1.0	45	0.1	0.1	<0.1	104	0.38	0.040
6160 4200	Soil	0.2	15.8	4.4	92	<0.1	32.8	11.5	527	3.04	1.4	0.3	<0.5	0.9	31	<0.1	0.1	<0.1	78	0.33	0.044
6180 4200	Soil	0.3	15.7	4.8	50	<0.1	23.1	8.4	240	3.35	1.7	0.4	<0.5	1.0	44	<0.1	0.2	<0.1	96	0.28	0.031
6200 4200	Soil	0.3	10.0	4.0	63	<0.1	15.1	5.0	205	2.41	2.6	0.2	<0.5	0.7	38	<0.1	0.1	<0.1	69	0.38	0.027
6220 4200	Soil	0.4	12.6	4.6	85	<0.1	19.4	6.5	366	2.73	2.1	0.3	8.4	0.9	40	0.1	0.1	<0.1	80	0.29	0.026
6240 4200	Soil	0.5	13.7	5.9	134	<0.1	18.4	7.4	928	2.79	1.8	0.2	<0.5	0.7	55	0.2	0.2	<0.1	85	0.46	0.081
6260 4200	Soil	0.5	16.7	5.1	137	<0.1	20.3	8.0	642	2.74	1.2	0.2	<0.5	0.9	52	0.1	0.1	<0.1	84	0.47	0.029
6280 4200	Soil	0.5	9.9	4.1	67	<0.1	13.6	5.6	487	2.11	1.2	0.2	<0.5	0.5	46	<0.1	0.2	<0.1	59	0.37	0.019
6300 4200	Soil	0.6	16.9	6.0	112	<0.1	37.1	11.8	545	4.22	2.8	0.4	<0.5	1.2	54	0.1	0.3	<0.1	119	0.52	0.047
6320 4200	Soil	0.5	20.3	5.1	102	<0.1	35.8	12.3	476	4.33	4.4	0.4	<0.5	1.3	38	<0.1	0.2	<0.1	124	0.41	0.087
6340 4200	Soil	0.5	17.6	3.9	80	<0.1	25.4	8.6	438	3.17	3.7	0.3	<0.5	1.0	42	<0.1	0.2	<0.1	92	0.41	0.032
6360 4200	Soil	0.5	20.7	4.0	66	<0.1	28.3	10.7	367	3.24	4.1	0.3	1.1	0.9	48	<0.1	0.2	0.2	82	0.43	0.035
6380 4200	Soil	0.4	19.4	4.4	71	<0.1	25.7	10.0	459	3.22	4.4	0.3	1.2	1.1	54	0.1	0.2	0.1	85	0.52	0.051
6400 4200	Soil	0.6	21.0	6.4	78	<0.1	26.2	11.9	880	3.01	5.4	0.3	1.4	0.8	62	0.1	0.2	0.1	81	0.78	0.048
6420 4200	Soil	0.5	32.8	4.6	59	<0.1	42.4	18.2	759	4.25	8.8	0.4	<0.5	1.1	56	<0.1	0.2	0.1	108	0.58	0.050
6440 4200	Soil	0.4	16.9	4.4	57	<0.1	22.2	6.7	225	3.26	12.8	0.4	<0.5	1.2	24	<0.1	0.2	<0.1	95	0.23	0.039
6460 4200	Soil	0.4	37.0	5.0	114	<0.1	42.3	13.0	369	4.26	13.4	0.2	1.4	1.3	32	<0.1	0.2	<0.1	94	0.56	0.114
6480 4200	Soil	0.4	30.4	4.2	78	<0.1	42.8	14.6	326	3.91	17.2	0.3	1.3	1.2	34	<0.1	0.3	<0.1	99	0.46	0.070
6500 4200	Soil	0.5	25.5	5.0	114	<0.1	48.2	10.7	167	3.70	13.9	0.3	0.6	1.5	37	<0.1	0.3	<0.1	83	0.48	0.087
6520 4200	Soil	0.3	31.3	5.0	109	<0.1	42.1	12.9	449	3.71	9.3	0.3	35.1	1.5	58	<0.1	0.2	<0.1	81	0.60	0.062
6540 4200	Soil	0.3	18.4	4.6	127	<0.1	29.9	9.9	587	3.52	6.9	0.3	<0.5	1.5	36	<0.1	0.2	<0.1	88	0.33	0.072
6560 4200	Soil	0.4	12.7	3.7	97	<0.1	19.8	8.1	580	2.91	2.3	0.3	<0.5	0.9	28	<0.1	0.1	<0.1	77	0.42	0.031
6580 4200	Soil	0.4	13.7	3.7	118	<0.1	22.8	8.7	425	2.86	1.8	0.5	<0.5	0.9	30	<0.1	0.1	<0.1	80	0.40	0.042

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
6000 4200	Soil	13	55	0.77	126	0.016	<20	1.65	0.008	0.15	<0.1	<0.01	7.7	<0.1	<0.05	7	<0.5	<0.2
6020 4200	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6040 4200	Soil	6	49	0.63	130	0.083	<20	1.47	0.016	0.20	<0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
6060 4200	Soil	6	50	0.63	109	0.183	<20	1.92	0.024	0.09	<0.1	0.23	4.7	<0.1	<0.05	6	<0.5	<0.2
6080 4200	Soil	6	49	0.68	107	0.140	<20	1.64	0.020	0.11	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
6100 4200	Soil	9	53	0.80	100	0.174	<20	1.80	0.022	0.14	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
6120 4200	Soil	4	42	0.57	95	0.184	<20	1.72	0.025	0.12	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
6140 4200	Soil	3	53	0.75	89	0.185	<20	1.62	0.023	0.11	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
6160 4200	Soil	7	55	1.01	106	0.105	<20	1.71	0.018	0.09	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
6180 4200	Soil	4	51	0.57	89	0.151	<20	1.28	0.020	0.11	<0.1	<0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
6200 4200	Soil	4	32	0.27	81	0.127	<20	1.13	0.025	0.09	<0.1	<0.01	3.1	<0.1	<0.05	3	<0.5	<0.2
6220 4200	Soil	3	36	0.34	99	0.155	<20	1.30	0.024	0.08	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
6240 4200	Soil	4	25	0.34	251	0.169	<20	1.37	0.029	0.13	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
6260 4200	Soil	4	34	0.32	217	0.203	<20	1.52	0.037	0.09	<0.1	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2
6280 4200	Soil	3	26	0.25	238	0.145	<20	1.04	0.028	0.07	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
6300 4200	Soil	8	53	0.53	329	0.202	<20	1.78	0.032	0.18	<0.1	0.11	7.7	<0.1	<0.05	6	<0.5	<0.2
6320 4200	Soil	10	63	0.47	127	0.144	<20	1.86	0.019	0.08	<0.1	0.03	7.8	<0.1	<0.05	6	<0.5	<0.2
6340 4200	Soil	6	46	0.45	83	0.130	<20	1.24	0.023	0.08	<0.1	0.02	5.2	<0.1	<0.05	4	<0.5	<0.2
6360 4200	Soil	8	43	0.48	92	0.120	<20	1.46	0.022	0.07	<0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
6380 4200	Soil	7	45	0.44	109	0.097	<20	1.22	0.019	0.09	<0.1	0.05	5.3	<0.1	<0.05	4	<0.5	<0.2
6400 4200	Soil	10	39	0.35	164	0.083	<20	1.14	0.017	0.10	<0.1	0.06	5.2	<0.1	<0.05	4	<0.5	<0.2
6420 4200	Soil	18	46	0.35	146	0.030	<20	1.42	0.015	0.05	<0.1	0.05	10.2	<0.1	<0.05	5	<0.5	<0.2
6440 4200	Soil	9	43	0.20	57	0.082	<20	0.93	0.014	0.05	<0.1	0.01	5.0	<0.1	<0.05	4	<0.5	<0.2
6460 4200	Soil	14	48	0.17	199	0.021	<20	1.09	0.009	0.09	<0.1	0.02	11.2	<0.1	<0.05	4	<0.5	<0.2
6480 4200	Soil	13	46	0.29	172	0.047	<20	1.54	0.008	0.09	<0.1	0.05	9.4	<0.1	<0.05	5	<0.5	<0.2
6500 4200	Soil	12	47	0.23	182	0.044	<20	1.62	0.015	0.11	<0.1	0.02	9.0	<0.1	<0.05	5	<0.5	<0.2
6520 4200	Soil	14	46	0.44	173	0.082	<20	1.88	0.023	0.19	<0.1	0.06	9.4	<0.1	<0.05	5	<0.5	<0.2
6540 4200	Soil	10	46	0.23	161	0.068	<20	1.60	0.015	0.20	<0.1	<0.01	7.0	<0.1	<0.05	5	<0.5	<0.2
6560 4200	Soil	4	40	0.59	80	0.102	<20	1.27	0.013	0.10	<0.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
6580 4200	Soil	5	42	0.69	95	0.196	<20	1.65	0.015	0.09	<0.1	<0.01	4.8	<0.1	<0.05	6	<0.5	<0.2

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Project: None Given
Report Date: August 27, 2010
Page: 3 of 13 Part 1

CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
6600 4200	Soil	0.3	21.4	5.7	128	<0.1	43.9	17.4	943	3.51	3.0	0.9	<0.5	1.5	48	0.3	0.1	0.1	95	0.81	0.040
6620 4200	Soil	0.3	8.1	3.3	141	<0.1	14.2	4.8	325	2.14	2.2	0.2	5.8	0.6	23	<0.1	<0.1	<0.1	57	0.31	0.053
6640 4200	Soil	0.3	11.3	2.9	124	<0.1	14.4	6.3	622	1.76	1.6	0.2	<0.5	0.3	17	<0.1	<0.1	<0.1	44	0.20	0.043
6660 4200	Soil	0.2	12.2	4.0	154	<0.1	22.8	6.1	542	2.19	2.5	0.2	39.6	0.7	28	0.1	0.1	<0.1	54	0.34	0.102
6680 4200	Soil	0.2	10.0	3.8	88	<0.1	21.7	6.2	262	2.66	2.4	0.4	<0.5	0.8	35	<0.1	0.1	<0.1	65	0.37	0.032
6700 4200	Soil	0.2	8.7	3.7	115	<0.1	15.7	4.8	291	1.95	2.3	0.3	<0.5	0.6	30	<0.1	0.1	<0.1	47	0.32	0.041
6720 4200	Soil	0.3	13.9	4.4	78	<0.1	28.3	8.2	425	3.42	3.8	0.4	<0.5	0.9	36	<0.1	0.2	<0.1	82	0.36	0.041
6740 4200	Soil	0.3	6.5	2.9	54	<0.1	11.3	4.7	556	1.41	1.8	0.2	<0.5	0.2	27	<0.1	0.1	<0.1	38	0.49	0.033
6760 4200	Soil	0.2	9.7	3.2	120	<0.1	41.0	6.4	225	2.11	2.2	0.2	<0.5	0.5	26	<0.1	0.2	<0.1	69	0.28	0.099
6780 4200	Soil	0.4	20.4	3.5	50	<0.1	41.8	13.3	510	2.98	3.0	0.4	<0.5	0.7	43	0.1	0.3	<0.1	89	0.56	0.051
6800 4200	Soil	0.4	30.1	3.9	100	<0.1	58.1	14.6	727	2.98	4.0	0.3	<0.5	0.7	40	<0.1	0.3	<0.1	94	0.43	0.149
6820 4200	Soil	0.3	11.5	2.9	87	<0.1	24.2	6.8	296	2.22	1.5	0.2	<0.5	0.5	37	<0.1	0.2	<0.1	69	0.43	0.059
6840 4200	Soil	0.3	11.6	3.2	47	<0.1	17.7	7.0	315	2.25	1.1	0.3	<0.5	0.7	31	<0.1	<0.1	<0.1	74	0.38	0.031
6860 4200	Soil	0.4	17.7	3.4	48	<0.1	25.6	10.7	630	2.63	1.5	0.4	<0.5	0.8	52	<0.1	0.1	<0.1	82	0.66	0.038
6880 4200	Soil	0.4	42.3	4.1	121	<0.1	50.6	15.2	1309	2.59	5.0	0.2	4.6	0.7	66	0.3	0.6	<0.1	58	0.96	0.069
6900 4200	Soil	0.4	17.4	3.7	121	<0.1	49.4	10.2	278	2.76	3.3	0.3	<0.5	0.8	37	<0.1	0.5	<0.1	69	0.54	0.079
6920 4200	Soil	0.2	9.4	3.0	194	<0.1	40.4	5.1	308	1.12	1.3	0.1	<0.5	0.5	23	0.1	<0.1	<0.1	23	0.32	0.131
6940 4200	Soil	0.3	13.8	2.8	76	<0.1	30.8	8.1	326	2.64	2.4	0.2	<0.5	0.6	30	<0.1	0.2	<0.1	71	0.41	0.089
6960 4200	Soil	0.4	11.6	3.1	47	<0.1	20.8	7.8	378	2.37	1.4	0.3	<0.5	0.7	38	<0.1	0.1	<0.1	76	0.48	0.031
6980 4200	Soil	0.3	20.7	4.6	94	<0.1	35.8	13.4	904	3.20	2.1	0.3	<0.5	1.3	45	0.1	0.1	<0.1	87	0.59	0.061
7000 4200	Soil	0.5	21.1	4.2	94	<0.1	19.4	6.6	724	1.68	2.5	0.2	<0.5	0.7	91	0.3	<0.1	<0.1	38	0.93	0.444
6000 4300	Soil	0.6	17.8	3.4	84	<0.1	32.8	14.5	451	4.00	7.8	0.2	<0.5	1.1	18	<0.1	<0.1	<0.1	102	0.25	0.055
6020 4300	Soil	0.4	10.6	4.0	60	<0.1	18.6	8.8	401	3.10	0.6	0.2	<0.5	0.9	39	<0.1	<0.1	<0.1	96	0.30	0.021
6040 4300	Soil	0.2	16.1	3.1	70	<0.1	27.4	11.6	507	2.71	1.4	0.2	<0.5	0.8	25	<0.1	<0.1	<0.1	67	0.41	0.041
6060 4300	Soil	0.2	11.4	4.2	131	<0.1	21.0	8.4	461	2.28	0.8	0.3	<0.5	0.7	21	<0.1	<0.1	0.1	65	0.25	0.089
6080 4300	Soil	0.2	4.8	3.3	110	<0.1	9.6	4.7	457	1.42	0.5	0.1	<0.5	0.3	14	<0.1	<0.1	<0.1	40	0.22	0.040
6100 4300	Soil	0.3	9.2	3.9	50	<0.1	17.1	7.0	296	2.51	0.7	0.2	2.2	0.6	38	<0.1	<0.1	<0.1	72	0.32	0.032
6120 4300	Soil	0.4	11.1	5.6	202	<0.1	23.2	10.7	1668	2.74	2.4	0.2	<0.5	0.7	22	0.2	<0.1	0.1	62	0.38	0.180
6140 4300	Soil	0.3	16.4	6.0	80	<0.1	31.7	15.4	1074	3.35	3.1	0.2	<0.5	0.9	19	0.2	<0.1	<0.1	86	0.44	0.035
6160 4300	Soil	0.2	6.8	3.3	102	<0.1	12.5	5.0	346	1.82	0.9	0.1	<0.5	0.4	19	<0.1	<0.1	<0.1	50	0.21	0.034

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Project: None Given
Report Date: August 27, 2010
Page: 3 of 13 Part 2

CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
6600 4200	Soil	10	58	1.72	141	0.326	<20	2.63	0.011	0.10	<0.1	0.02	9.3	<0.1	<0.05	11	<0.5	<0.2	
6620 4200	Soil	3	32	0.30	96	0.131	<20	1.10	0.017	0.09	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2	
6640 4200	Soil	2	29	0.44	110	0.101	<20	1.03	0.013	0.07	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2	
6660 4200	Soil	3	37	0.37	179	0.162	<20	1.44	0.019	0.17	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2	
6680 4200	Soil	4	44	0.37	127	0.180	<20	1.42	0.020	0.10	<0.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2	
6700 4200	Soil	3	30	0.31	151	0.149	<20	1.26	0.022	0.10	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2	
6720 4200	Soil	6	48	0.32	142	0.149	<20	1.12	0.016	0.13	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2	
6740 4200	Soil	2	22	0.27	132	0.080	<20	0.76	0.011	0.11	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2	
6760 4200	Soil	4	48	0.22	171	0.072	<20	1.20	0.010	0.11	<0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2	
6780 4200	Soil	9	49	0.39	139	0.094	<20	1.31	0.010	0.08	<0.1	0.03	5.2	<0.1	<0.05	4	<0.5	<0.2	
6800 4200	Soil	8	55	0.29	309	0.061	<20	1.55	0.010	0.07	<0.1	0.03	5.1	<0.1	<0.05	4	<0.5	<0.2	
6820 4200	Soil	4	35	0.29	130	0.111	<20	1.15	0.013	0.11	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2	
6840 4200	Soil	4	35	0.44	88	0.171	<20	1.38	0.024	0.09	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2	
6860 4200	Soil	7	42	0.61	104	0.172	<20	1.69	0.024	0.08	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2	
6880 4200	Soil	10	44	0.32	328	0.060	<20	1.47	0.011	0.08	<0.1	0.06	4.8	<0.1	<0.05	4	<0.5	<0.2	
6900 4200	Soil	7	46	0.42	224	0.106	<20	1.84	0.014	0.13	<0.1	0.08	4.9	<0.1	<0.05	5	<0.5	<0.2	
6920 4200	Soil	3	18	0.16	308	0.056	<20	1.06	0.011	0.10	<0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2	
6940 4200	Soil	5	42	0.33	147	0.090	<20	1.35	0.011	0.14	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2	
6960 4200	Soil	5	40	0.37	112	0.162	<20	1.16	0.024	0.10	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2	
6980 4200	Soil	11	58	0.68	221	0.123	<20	2.34	0.021	0.16	<0.1	0.02	6.0	<0.1	<0.05	7	<0.5	<0.2	
7000 4200	Soil	7	29	0.38	478	0.060	<20	1.36	0.013	0.11	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2	
6000 4300	Soil	8	51	0.43	68	0.023	<20	1.33	0.007	0.06	<0.1	<0.01	6.3	<0.1	<0.05	6	<0.5	<0.2	
6020 4300	Soil	4	41	0.45	109	0.113	<20	1.31	0.025	0.06	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2	
6040 4300	Soil	8	65	1.06	87	0.031	<20	1.81	0.010	0.12	<0.1	0.02	4.5	<0.1	<0.05	7	<0.5	<0.2	
6060 4300	Soil	5	41	0.75	176	0.062	<20	1.57	0.011	0.07	<0.1	<0.01	2.8	<0.1	<0.05	6	<0.5	<0.2	
6080 4300	Soil	2	21	0.34	107	0.062	<20	0.88	0.011	0.08	<0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2	
6100 4300	Soil	2	35	0.53	114	0.134	<20	1.44	0.014	0.09	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2	
6120 4300	Soil	4	40	0.61	186	0.085	<20	2.08	0.011	0.13	<0.1	<0.01	2.4	<0.1	<0.05	7	<0.5	<0.2	
6140 4300	Soil	7	84	1.37	134	0.029	<20	1.81	0.007	0.10	<0.1	0.03	4.5	<0.1	<0.05	8	<0.5	<0.2	
6160 4300	Soil	2	27	0.41	76	0.079	<20	1.01	0.013	0.11	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2	

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Project: None Given
Report Date: August 27, 2010
Page: 4 of 13 Part 1

CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
6180 4300	Soil	0.3	11.5	4.6	52	<0.1	20.9	8.9	347	2.82	1.1	0.3	<0.5	1.0	42	<0.1	<0.1	<0.1	86	0.34	0.040
6200 4300	Soil	0.3	9.5	3.2	60	<0.1	15.0	5.9	272	2.54	1.6	0.2	<0.5	0.8	33	<0.1	<0.1	<0.1	75	0.28	0.029
6220 4300	Soil	0.3	13.3	4.8	80	<0.1	19.9	8.7	364	3.08	0.8	0.3	<0.5	0.9	52	<0.1	<0.1	<0.1	98	0.38	0.021
6240 4300	Soil	0.5	11.5	13.0	136	<0.1	18.7	7.6	444	2.89	3.3	0.2	<0.5	0.5	37	0.3	0.5	0.1	88	0.37	0.041
6260 4300	Soil	1.5	21.1	15.6	119	0.2	28.0	12.2	565	3.58	5.4	0.2	6.6	0.5	52	0.4	0.5	0.1	106	0.64	0.059
6280 4300	Soil	0.5	12.2	5.2	102	<0.1	18.6	8.2	716	2.63	0.7	0.2	<0.5	0.8	42	0.1	<0.1	<0.1	83	0.39	0.036
6300 4300	Soil	0.4	12.7	4.8	86	<0.1	19.4	7.7	518	2.69	0.9	0.3	<0.5	1.0	45	<0.1	<0.1	<0.1	85	0.42	0.028
6320 4300	Soil	0.5	17.9	6.2	139	<0.1	33.5	13.3	918	3.20	1.9	0.3	<0.5	0.9	58	0.1	0.3	<0.1	88	0.76	0.050
6340 4300	Soil	0.4	21.7	4.5	158	<0.1	27.1	8.7	720	2.38	1.8	0.2	<0.5	0.9	66	0.1	<0.1	<0.1	61	0.66	0.092
6360 4300	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6380 4300	Soil	0.5	36.9	5.4	60	<0.1	46.0	13.6	160	1.79	2.4	1.5	0.6	1.5	98	0.2	0.2	0.1	79	0.60	0.068
6400 4300	Soil	0.5	28.1	8.5	54	<0.1	31.8	16.1	1098	3.44	4.4	0.3	0.5	1.4	116	<0.1	<0.1	0.2	87	0.82	0.060
6420 4300	Soil	0.5	14.6	4.5	49	<0.1	20.5	8.6	508	2.83	2.0	0.2	<0.5	0.7	57	<0.1	0.1	0.1	84	0.41	0.041
6440 4300	Soil	0.6	18.2	4.7	76	<0.1	26.2	8.4	358	3.04	4.5	0.2	<0.5	1.0	66	0.2	0.3	0.1	84	0.61	0.060
6460 4300	Soil	0.4	11.8	4.1	133	<0.1	13.4	4.0	419	2.24	2.9	0.1	<0.5	0.6	30	<0.1	0.3	<0.1	64	0.32	0.039
6480 4300	Soil	0.3	12.0	3.6	110	<0.1	16.9	5.1	300	2.89	2.5	0.2	<0.5	0.8	40	0.1	0.3	0.1	70	0.35	0.047
6500 4300	Soil	0.5	15.7	4.6	111	<0.1	21.4	7.1	394	2.92	1.9	0.3	0.5	1.2	50	<0.1	<0.1	<0.1	82	0.39	0.035
6520 4300	Soil	0.4	24.1	4.8	77	<0.1	34.7	9.5	294	3.42	19.3	0.3	2.5	1.4	29	<0.1	0.2	<0.1	89	0.39	0.064
6540 4300	Soil	0.4	13.6	5.2	214	<0.1	26.1	6.7	325	2.26	5.4	0.2	<0.5	0.8	91	<0.1	<0.1	<0.1	43	0.75	0.261
6560 4300	Soil	0.5	11.3	3.9	44	<0.1	16.2	7.9	341	2.47	1.2	0.3	<0.5	0.6	96	<0.1	<0.1	<0.1	65	0.38	0.023
6580 4300	Soil	0.5	13.7	3.9	81	<0.1	16.8	6.7	474	2.37	1.9	0.2	1.0	0.7	72	0.1	<0.1	<0.1	67	0.46	0.036
6600 4300	Soil	0.6	20.4	4.7	51	<0.1	31.4	13.8	804	3.28	2.5	0.8	<0.5	1.0	149	0.2	0.2	<0.1	79	0.99	0.032
6620 4300	Soil	0.8	32.5	4.2	100	<0.1	44.6	22.8	1307	4.49	5.2	0.9	3.9	1.9	168	0.2	0.1	<0.1	110	1.52	0.062
6640 4300	Soil	0.5	28.5	4.6	95	<0.1	44.0	24.6	1141	5.26	4.6	0.7	<0.5	1.8	138	<0.1	0.2	<0.1	126	1.50	0.097
6660 4300	Soil	0.4	35.7	6.0	114	<0.1	49.7	30.4	1115	5.95	6.6	0.8	5.1	2.0	126	0.1	0.2	<0.1	149	1.77	0.090
6680 4300	Soil	0.5	29.9	6.2	128	<0.1	48.4	24.9	1141	5.05	5.2	0.9	1.3	2.0	97	<0.1	0.2	<0.1	130	1.16	0.087
6700 4300	Soil	0.4	17.0	5.2	171	<0.1	35.7	16.8	1232	3.86	4.0	0.5	<0.5	1.1	75	0.2	0.1	<0.1	94	0.84	0.079
6720 4300	Soil	0.4	11.2	4.2	109	<0.1	35.8	11.8	874	3.18	1.5	0.5	<0.5	0.8	53	0.2	<0.1	<0.1	77	0.55	0.042
6740 4300	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6760 4300	Soil	0.5	13.7	4.3	61	<0.1	47.3	13.8	494	3.04	2.2	0.6	<0.5	1.0	92	0.1	<0.1	<0.1	72	0.84	0.047

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.

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Project: None Given
Report Date: August 27, 2010
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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
6180 4300	Soil	3	38	0.49	92	0.180	<20	1.65	0.024	0.10	<0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
6200 4300	Soil	3	35	0.35	77	0.104	<20	1.15	0.021	0.08	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
6220 4300	Soil	4	34	0.45	91	0.192	<20	1.53	0.037	0.06	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
6240 4300	Soil	4	36	0.17	118	0.075	<20	0.97	0.011	0.06	<0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
6260 4300	Soil	5	40	0.30	349	0.081	<20	1.15	0.008	0.07	<0.1	0.52	4.2	<0.1	<0.05	4	<0.5	0.6
6280 4300	Soil	4	31	0.38	138	0.169	<20	1.33	0.028	0.09	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
6300 4300	Soil	5	36	0.45	130	0.188	<20	1.35	0.027	0.07	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
6320 4300	Soil	7	41	0.57	316	0.119	<20	1.62	0.025	0.21	<0.1	0.04	5.8	<0.1	<0.05	5	<0.5	<0.2
6340 4300	Soil	5	31	0.44	200	0.109	<20	1.67	0.024	0.18	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
6360 4300	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6380 4300	Soil	14	53	0.82	114	0.094	<20	1.96	0.042	0.04	<0.1	0.03	7.5	<0.1	<0.05	6	1.0	<0.2
6400 4300	Soil	13	45	0.44	122	0.011	<20	1.07	0.007	0.16	<0.1	0.04	5.6	<0.1	<0.05	4	<0.5	<0.2
6420 4300	Soil	4	37	0.40	92	0.109	<20	1.19	0.021	0.13	<0.1	0.07	3.1	<0.1	<0.05	4	<0.5	<0.2
6440 4300	Soil	11	37	0.19	106	0.038	<20	0.97	0.009	0.09	<0.1	0.03	5.5	<0.1	<0.05	3	<0.5	<0.2
6460 4300	Soil	2	27	0.27	89	0.072	<20	0.95	0.018	0.14	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
6480 4300	Soil	4	34	0.34	86	0.109	<20	1.16	0.017	0.15	<0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
6500 4300	Soil	5	34	0.40	117	0.215	<20	1.54	0.032	0.16	<0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
6520 4300	Soil	12	49	0.18	104	0.025	<20	1.23	0.008	0.15	<0.1	0.02	8.6	<0.1	<0.05	4	<0.5	<0.2
6540 4300	Soil	9	31	0.19	322	0.046	<20	1.46	0.013	0.19	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
6560 4300	Soil	3	28	0.48	83	0.156	<20	1.37	0.028	0.12	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
6580 4300	Soil	3	29	0.48	83	0.158	<20	1.34	0.029	0.14	<0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
6600 4300	Soil	13	42	1.14	86	0.193	<20	2.16	0.019	0.11	<0.1	0.05	6.8	<0.1	<0.05	7	<0.5	<0.2
6620 4300	Soil	20	59	2.37	108	0.237	<20	4.33	0.018	0.25	<0.1	0.03	12.8	<0.1	<0.05	15	<0.5	<0.2
6640 4300	Soil	14	52	2.34	77	0.310	<20	4.58	0.013	0.38	<0.1	0.02	11.5	<0.1	<0.05	15	<0.5	<0.2
6660 4300	Soil	13	58	2.95	86	0.386	<20	5.81	0.012	0.30	<0.1	0.03	13.2	<0.1	<0.05	19	<0.5	<0.2
6680 4300	Soil	13	45	2.41	96	0.378	<20	4.52	0.013	0.22	<0.1	0.03	11.6	<0.1	<0.05	18	<0.5	<0.2
6700 4300	Soil	8	42	1.50	168	0.281	<20	3.08	0.012	0.23	<0.1	0.03	7.3	<0.1	<0.05	11	<0.5	<0.2
6720 4300	Soil	5	50	1.18	116	0.193	<20	1.98	0.014	0.11	<0.1	0.03	5.0	<0.1	<0.05	8	<0.5	<0.2
6740 4300	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6760 4300	Soil	6	64	1.46	62	0.304	<20	1.83	0.014	0.11	<0.1	0.02	7.3	<0.1	<0.05	8	<0.5	<0.2

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.

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
6780 4300	Soil	0.4	20.5	5.3	127	<0.1	68.4	21.5	1386	3.90	3.6	0.7	0.5	1.2	104	0.2	0.1	<0.1	83	0.93	0.066
6800 4300	Soil	0.4	14.2	3.8	86	<0.1	33.5	11.3	628	2.81	2.2	0.4	<0.5	0.7	65	<0.1	<0.1	<0.1	61	0.57	0.096
6820 4300	Soil	0.3	16.5	5.2	105	<0.1	55.2	14.4	481	4.30	4.4	0.5	2.4	1.4	67	<0.1	0.4	<0.1	84	0.54	0.049
6840 4300	Soil	0.3	28.1	4.6	97	<0.1	54.6	16.6	527	3.98	3.0	0.5	0.9	1.3	127	0.1	0.3	<0.1	84	0.94	0.038
6860 4300	Soil	0.4	32.7	4.7	139	<0.1	115.5	19.5	405	4.53	5.3	0.5	<0.5	1.7	101	<0.1	0.3	<0.1	93	0.83	0.122
6880 4300	Soil	0.4	40.3	5.2	92	<0.1	67.8	16.0	617	3.48	2.5	0.4	<0.5	0.8	113	<0.1	0.2	<0.1	70	0.89	0.042
6900 4300	Soil	0.4	22.7	3.9	70	<0.1	41.4	13.2	626	3.00	2.3	0.3	1.6	0.8	95	<0.1	0.2	<0.1	77	0.92	0.040
6920 4300	Soil	0.4	71.9	3.7	56	0.2	70.3	10.7	709	2.66	2.3	0.3	715.5	0.7	160	0.2	0.2	<0.1	70	1.53	0.082
6940 4300	Soil	0.3	28.7	3.8	46	<0.1	35.4	11.5	633	2.95	2.5	0.2	<0.5	1.0	109	0.1	0.1	<0.1	75	1.18	0.079
6960 4300	Soil	0.3	21.0	4.8	53	<0.1	32.2	10.8	585	3.04	2.2	0.3	<0.5	1.1	88	<0.1	0.2	<0.1	76	0.77	0.046
6980 4300	Soil	0.4	24.3	4.5	87	<0.1	40.6	12.5	853	3.18	2.2	0.3	<0.5	0.9	89	<0.1	0.1	<0.1	71	0.83	0.078
7000 4300	Soil	0.4	54.0	4.4	150	<0.1	76.4	19.5	948	3.51	3.8	0.3	<0.5	0.9	67	0.1	0.1	<0.1	77	0.80	0.106
6000 4400	Soil	0.4	19.7	4.7	64	<0.1	32.9	13.3	349	4.07	5.7	0.5	0.8	1.2	50	<0.1	0.2	<0.1	117	0.45	0.044
6020 4400	Soil	0.2	14.8	4.5	93	<0.1	32.7	11.0	404	3.32	1.5	0.4	<0.5	0.8	37	0.1	0.1	<0.1	77	0.35	0.063
6040 4400	Soil	0.3	23.3	6.4	150	<0.1	44.7	17.1	1210	3.41	1.7	0.5	<0.5	0.9	41	0.4	0.3	<0.1	69	0.64	0.085
6060 4400	Soil	0.3	14.6	4.2	58	<0.1	22.1	9.2	485	2.59	1.1	0.3	2.4	0.6	35	<0.1	<0.1	<0.1	57	0.40	0.043
6080 4400	Soil	0.3	15.3	6.5	86	<0.1	40.0	16.8	741	4.24	1.5	0.7	1.2	1.0	37	<0.1	<0.1	0.1	126	0.58	0.028
6100 4400	Soil	0.3	24.6	9.3	132	<0.1	53.9	22.4	1495	3.95	2.6	1.0	<0.5	1.4	49	0.3	<0.1	<0.1	105	0.75	0.067
6120 4400	Soil	0.2	15.2	4.2	109	<0.1	27.0	10.1	618	2.96	3.3	0.3	<0.5	0.7	36	<0.1	0.1	<0.1	75	0.42	0.069
6140 4400	Soil	0.3	13.5	4.7	63	<0.1	22.3	8.7	288	3.07	2.0	0.4	<0.5	1.0	52	<0.1	0.1	<0.1	84	0.41	0.045
6160 4400	Soil	0.4	9.5	4.2	90	<0.1	14.1	6.1	556	2.58	1.5	0.2	<0.5	0.5	52	<0.1	0.1	<0.1	74	0.39	0.030
6180 4400	Soil	0.2	4.1	2.0	72	<0.1	8.3	2.7	186	1.18	1.9	<0.1	<0.5	0.3	13	<0.1	<0.1	<0.1	36	0.14	0.023
6200 4400	Soil	0.6	7.7	2.9	95	<0.1	10.9	4.5	469	1.55	1.8	0.1	<0.5	0.3	27	0.2	<0.1	<0.1	45	0.32	0.037
6220 4400	Soil	0.4	12.9	2.9	74	<0.1	23.3	8.4	413	2.94	3.8	0.2	<0.5	0.7	31	<0.1	0.1	<0.1	84	0.38	0.043
6240 4400	Soil	0.4	12.7	4.5	89	<0.1	19.5	8.8	673	2.72	2.7	0.2	<0.5	0.8	55	0.1	0.2	<0.1	84	0.53	0.045
6260 4400	Soil	0.5	12.8	5.9	77	<0.1	21.1	9.3	522	2.82	2.2	0.3	<0.5	0.6	42	0.1	0.2	<0.1	89	0.43	0.044
6280 4400	Soil	0.5	13.0	6.5	173	<0.1	23.0	7.6	665	2.53	2.4	0.2	<0.5	0.6	35	0.2	0.4	<0.1	67	0.39	0.087
6300 4400	Soil	0.4	15.6	3.8	147	<0.1	27.2	7.7	536	2.11	2.0	0.3	<0.5	0.8	37	0.2	<0.1	<0.1	52	0.31	0.140
6320 4400	Soil	0.4	13.9	3.9	69	<0.1	20.4	7.5	321	2.76	3.3	0.2	<0.5	0.6	35	<0.1	0.2	<0.1	81	0.36	0.036
6340 4400	Soil	0.5	18.7	3.2	72	<0.1	30.3	12.3	514	3.30	4.6	0.3	<0.5	1.0	43	<0.1	0.2	<0.1	94	0.38	0.036

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Client: **Sunburst Exploration**
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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
6780 4300	Soil	11	72	2.05	152	0.290	<20	2.65	0.016	0.15	<0.1	0.04	7.9	<0.1	<0.05	9	<0.5	<0.2	
6800 4300	Soil	4	43	1.00	115	0.208	<20	1.97	0.019	0.08	<0.1	0.03	5.3	<0.1	<0.05	7	<0.5	<0.2	
6820 4300	Soil	8	81	1.09	125	0.196	<20	2.43	0.017	0.09	<0.1	0.02	9.7	<0.1	<0.05	8	<0.5	<0.2	
6840 4300	Soil	12	65	1.00	164	0.188	<20	2.29	0.021	0.09	<0.1	0.03	9.2	<0.1	<0.05	7	<0.5	<0.2	
6860 4300	Soil	16	77	0.68	191	0.118	<20	2.97	0.020	0.10	<0.1	0.02	15.6	<0.1	<0.05	8	<0.5	<0.2	
6880 4300	Soil	14	52	0.68	253	0.123	<20	2.06	0.022	0.07	<0.1	0.04	9.2	<0.1	<0.05	7	<0.5	<0.2	
6900 4300	Soil	9	50	0.51	234	0.148	<20	2.01	0.033	0.17	<0.1	0.02	8.1	<0.1	<0.05	5	0.6	0.2	
6920 4300	Soil	15	50	0.80	269	0.145	<20	1.86	0.051	0.08	<0.1	0.06	6.9	<0.1	<0.05	5	0.7	<0.2	
6940 4300	Soil	11	45	0.81	249	0.177	<20	1.97	0.049	0.23	<0.1	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2	
6960 4300	Soil	10	45	0.69	179	0.203	<20	2.12	0.040	0.15	<0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2	
6980 4300	Soil	11	50	0.76	263	0.169	<20	2.36	0.039	0.14	<0.1	0.03	6.8	<0.1	<0.05	6	<0.5	<0.2	
7000 4300	Soil	11	61	0.67	232	0.164	<20	2.55	0.029	0.15	<0.1	0.04	9.8	<0.1	<0.05	6	0.8	<0.2	
6000 4400	Soil	5	56	0.80	112	0.148	<20	1.92	0.019	0.11	<0.1	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2	
6020 4400	Soil	4	50	1.05	120	0.123	<20	2.40	0.026	0.09	<0.1	0.04	4.4	<0.1	<0.05	8	<0.5	<0.2	
6040 4400	Soil	13	66	1.43	319	0.048	<20	2.35	0.013	0.12	<0.1	0.06	5.1	<0.1	<0.05	8	<0.5	<0.2	
6060 4400	Soil	6	41	0.72	157	0.107	<20	1.89	0.017	0.15	<0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2	
6080 4400	Soil	6	69	1.45	122	0.279	<20	2.46	0.015	0.10	<0.1	0.02	7.5	<0.1	<0.05	10	<0.5	<0.2	
6100 4400	Soil	13	95	2.10	158	0.353	<20	3.54	0.010	0.13	<0.1	0.03	11.4	<0.1	<0.05	14	<0.5	<0.2	
6120 4400	Soil	4	45	0.81	133	0.126	<20	1.78	0.017	0.15	<0.1	0.03	4.1	<0.1	<0.05	8	<0.5	<0.2	
6140 4400	Soil	3	42	0.61	117	0.209	<20	1.97	0.029	0.10	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2	
6160 4400	Soil	2	35	0.37	84	0.177	<20	1.30	0.037	0.11	<0.1	0.07	3.1	<0.1	<0.05	4	<0.5	<0.2	
6180 4400	Soil	2	20	0.14	63	0.029	<20	0.59	0.010	0.05	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2	
6200 4400	Soil	2	23	0.22	95	0.067	<20	0.86	0.010	0.06	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2	
6220 4400	Soil	5	48	0.30	91	0.063	<20	0.97	0.009	0.07	<0.1	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2	
6240 4400	Soil	5	44	0.45	95	0.090	<20	1.21	0.018	0.14	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2	
6260 4400	Soil	4	40	0.44	88	0.109	<20	1.33	0.021	0.11	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2	
6280 4400	Soil	5	35	0.29	215	0.082	<20	1.41	0.015	0.11	<0.1	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2	
6300 4400	Soil	4	30	0.47	153	0.095	<20	1.79	0.019	0.13	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2	
6320 4400	Soil	3	39	0.40	78	0.105	<20	1.07	0.018	0.09	1.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2	
6340 4400	Soil	7	49	0.53	89	0.095	<20	1.32	0.020	0.08	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2	

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Project: None Given
Report Date: August 27, 2010
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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
6360 4400	Soil	0.6	31.5	4.6	69	<0.1	49.7	20.4	673	4.39	8.0	0.3	0.5	1.1	61	0.1	0.8	<0.1	135	0.56	0.061
6380 4400	Soil	0.6	22.2	4.5	82	<0.1	33.7	15.2	581	3.63	6.2	0.3	0.5	1.0	52	0.1	0.5	<0.1	97	0.57	0.031
6400 4400	Soil	0.7	24.5	5.6	59	<0.1	34.8	14.0	491	3.35	3.0	0.3	0.5	0.8	61	0.1	0.2	0.1	92	0.63	0.054
6420 4400	Soil	0.6	20.0	5.2	65	<0.1	31.9	13.8	846	3.40	2.3	0.3	<0.5	1.0	62	<0.1	0.2	0.1	102	0.69	0.024
6440 4400	Soil	0.4	14.9	4.3	102	<0.1	21.8	8.8	742	3.02	2.4	0.2	<0.5	0.7	35	<0.1	0.2	<0.1	86	0.44	0.057
6460 4400	Soil	0.3	10.5	3.5	89	<0.1	14.7	6.7	459	2.43	1.9	0.2	<0.5	0.6	32	<0.1	0.1	<0.1	72	0.28	0.049
6480 4400	Soil	0.5	17.7	3.4	126	<0.1	28.1	9.2	431	3.66	4.7	0.2	<0.5	1.0	33	<0.1	0.2	<0.1	82	0.48	0.088
6500 4400	Soil	0.6	40.3	3.9	190	<0.1	49.0	14.7	695	3.76	9.8	0.3	1.0	1.1	97	0.2	0.1	<0.1	69	1.05	0.227
6520 4400	Soil	0.5	11.9	5.0	66	<0.1	15.2	9.0	362	2.41	2.4	0.2	<0.5	0.8	50	<0.1	<0.1	<0.1	63	0.33	0.078
6540 4400	Soil	0.3	21.3	4.1	89	<0.1	41.0	22.8	735	4.99	3.5	0.7	7.6	1.5	55	<0.1	0.2	<0.1	138	0.79	0.046
6560 4400	Soil	0.5	14.9	4.5	83	<0.1	25.1	13.8	527	3.61	2.8	0.5	0.9	0.9	46	<0.1	0.2	<0.1	110	0.69	0.031
6580 4400	Soil	0.4	18.4	4.6	82	<0.1	27.9	15.0	615	3.64	2.7	0.5	7.7	1.3	43	0.1	0.2	<0.1	102	0.49	0.062
6600 4400	Soil	0.3	21.7	4.1	87	<0.1	40.5	23.4	895	4.47	3.1	0.7	6.4	1.7	34	0.1	0.2	<0.1	138	0.86	0.046
6620 4400	Soil	0.3	27.5	6.0	92	<0.1	40.7	25.3	1183	4.56	3.2	0.7	2.5	1.5	121	0.1	0.2	<0.1	150	1.01	0.056
6640 4400	Soil	0.4	22.3	4.7	78	<0.1	34.6	20.0	788	4.08	2.2	0.6	<0.5	1.4	82	<0.1	0.2	<0.1	138	0.79	0.041
6660 4400	Soil	0.3	20.5	4.0	78	<0.1	32.7	19.3	655	3.90	2.2	0.6	<0.5	1.3	80	<0.1	0.2	<0.1	133	0.80	0.055
6680 4400	Soil	0.4	25.9	5.4	92	<0.1	34.4	21.5	1020	4.12	3.9	0.6	<0.5	1.5	121	0.1	0.2	<0.1	107	1.26	0.059
6700 4400	Soil	0.4	22.7	4.6	105	<0.1	35.4	19.9	833	3.81	2.5	0.5	<0.5	1.2	92	0.2	0.2	<0.1	94	0.78	0.076
6720 4400	Soil	0.3	23.3	5.7	104	<0.1	39.7	20.2	1081	3.86	2.9	0.6	1.4	1.4	85	0.2	0.1	<0.1	99	0.87	0.069
6740 4400	Soil	0.3	20.8	4.6	81	<0.1	47.3	18.0	537	3.48	2.6	0.5	<0.5	1.1	78	<0.1	0.1	<0.1	92	0.78	0.061
6760 4400	Soil	0.2	16.6	3.8	141	<0.1	46.5	16.1	688	3.14	2.6	0.4	<0.5	1.0	50	0.2	<0.1	<0.1	75	0.54	0.127
6780 4400	Soil	0.3	13.1	4.0	59	<0.1	30.9	11.7	435	2.52	2.3	0.4	<0.5	1.0	73	<0.1	<0.1	<0.1	67	0.55	0.070
6800 4400	Soil	0.3	25.2	5.4	104	<0.1	43.8	17.3	1089	3.30	2.5	0.5	<0.5	1.5	97	0.2	0.1	<0.1	81	1.00	0.040
6820 4400	Soil	0.3	13.1	3.9	82	<0.1	36.7	13.4	614	2.85	1.7	0.5	<0.5	1.2	45	<0.1	<0.1	<0.1	83	0.67	0.028
6840 4400	Soil	0.3	19.6	5.3	158	<0.1	49.3	15.5	1094	2.94	2.5	0.3	<0.5	1.0	46	0.2	0.1	<0.1	75	0.57	0.061
6860 4400	Soil	0.2	31.1	3.9	100	<0.1	49.8	14.0	468	2.85	3.2	0.3	<0.5	1.0	40	<0.1	0.1	<0.1	72	0.47	0.064
6880 4400	Soil	0.2	21.5	4.9	274	<0.1	82.8	15.4	784	2.65	2.8	0.2	<0.5	1.3	90	0.2	0.1	<0.1	52	0.54	0.292
6900 4400	Soil	0.4	11.7	3.4	124	<0.1	16.0	5.9	1013	1.61	1.3	0.1	<0.5	0.6	39	0.1	<0.1	<0.1	51	0.36	0.044
6920 4400	Soil	0.3	14.0	3.1	64	<0.1	42.6	12.4	431	2.59	3.7	0.3	<0.5	1.1	36	<0.1	0.2	<0.1	65	0.36	0.118
6940 4400	Soil	0.3	10.4	3.3	69	<0.1	23.6	6.5	249	2.40	2.0	0.2	<0.5	0.7	31	<0.1	0.2	<0.1	69	0.28	0.042

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
6360 4400	Soil	16	61	0.35	92	0.030	<20	1.29	0.008	0.07	<0.1	0.09	10.3	<0.1	<0.05	4	<0.5	<0.2	
6380 4400	Soil	11	47	0.38	136	0.069	<20	1.37	0.013	0.05	<0.1	0.16	5.9	<0.1	<0.05	4	<0.5	<0.2	
6400 4400	Soil	11	39	0.32	168	0.057	<20	1.21	0.011	0.05	<0.1	0.07	5.8	<0.1	<0.05	4	<0.5	<0.2	
6420 4400	Soil	8	38	0.53	317	0.117	<20	1.87	0.022	0.05	<0.1	0.07	4.9	<0.1	<0.05	6	<0.5	<0.2	
6440 4400	Soil	6	37	0.40	197	0.098	<20	1.38	0.013	0.12	<0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2	
6460 4400	Soil	3	31	0.34	94	0.109	<20	1.27	0.016	0.09	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2	
6480 4400	Soil	7	44	0.27	87	0.059	<20	1.29	0.010	0.14	<0.1	0.07	5.5	<0.1	<0.05	4	<0.5	<0.2	
6500 4400	Soil	13	54	0.26	160	0.025	<20	1.69	0.008	0.22	<0.1	0.04	7.2	<0.1	<0.05	6	<0.5	<0.2	
6520 4400	Soil	2	29	0.38	103	0.161	<20	1.40	0.023	0.16	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2	
6540 4400	Soil	7	63	2.19	46	0.314	<20	2.85	0.009	0.16	<0.1	0.01	10.0	<0.1	<0.05	12	<0.5	<0.2	
6560 4400	Soil	4	44	1.17	85	0.310	<20	2.01	0.012	0.08	<0.1	0.02	6.5	<0.1	<0.05	8	<0.5	<0.2	
6580 4400	Soil	8	47	1.11	72	0.237	<20	1.93	0.014	0.16	<0.1	0.01	7.1	<0.1	<0.05	7	<0.5	<0.2	
6600 4400	Soil	13	70	2.11	57	0.211	<20	2.96	0.007	0.20	<0.1	0.02	8.6	<0.1	<0.05	12	<0.5	<0.2	
6620 4400	Soil	15	48	1.91	74	0.305	<20	3.81	0.013	0.19	<0.1	0.02	8.3	<0.1	<0.05	13	<0.5	<0.2	
6640 4400	Soil	11	35	1.47	72	0.309	<20	3.47	0.020	0.14	<0.1	0.02	6.5	<0.1	<0.05	11	<0.5	<0.2	
6660 4400	Soil	12	35	1.41	66	0.264	<20	3.30	0.017	0.12	<0.1	0.02	6.0	<0.1	<0.05	11	<0.5	<0.2	
6680 4400	Soil	12	40	1.52	72	0.264	<20	4.45	0.014	0.22	<0.1	0.02	7.5	<0.1	<0.05	13	<0.5	<0.2	
6700 4400	Soil	9	36	1.64	74	0.224	<20	3.44	0.010	0.12	<0.1	0.02	5.7	<0.1	<0.05	12	<0.5	<0.2	
6720 4400	Soil	11	40	1.51	84	0.247	<20	3.66	0.011	0.18	<0.1	0.03	6.5	<0.1	<0.05	12	<0.5	<0.2	
6740 4400	Soil	7	57	1.63	64	0.245	<20	3.49	0.012	0.13	<0.1	0.02	5.9	<0.1	<0.05	12	<0.5	<0.2	
6760 4400	Soil	7	63	1.46	89	0.135	<20	3.11	0.010	0.09	<0.1	0.02	4.7	<0.1	<0.05	11	<0.5	<0.2	
6780 4400	Soil	6	48	1.02	60	0.143	<20	2.16	0.013	0.10	<0.1	0.02	3.9	<0.1	<0.05	8	<0.5	<0.2	
6800 4400	Soil	13	69	1.52	79	0.160	<20	3.08	0.024	0.10	<0.1	0.03	7.0	<0.1	<0.05	9	<0.5	<0.2	
6820 4400	Soil	7	74	1.19	73	0.229	<20	1.72	0.013	0.09	<0.1	0.02	5.9	<0.1	<0.05	7	<0.5	<0.2	
6840 4400	Soil	10	56	0.83	180	0.118	<20	2.07	0.010	0.09	<0.1	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2	
6860 4400	Soil	7	69	0.82	72	0.078	<20	1.88	0.011	0.07	<0.1	0.02	5.2	<0.1	<0.05	7	<0.5	<0.2	
6880 4400	Soil	11	66	0.40	283	0.065	<20	2.58	0.028	0.16	<0.1	0.03	7.0	<0.1	<0.05	8	<0.5	<0.2	
6900 4400	Soil	3	26	0.28	135	0.086	<20	1.02	0.010	0.04	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2	
6920 4400	Soil	11	55	0.41	86	0.057	<20	1.81	0.010	0.07	<0.1	0.02	5.4	<0.1	<0.05	6	<0.5	<0.2	
6940 4400	Soil	4	40	0.27	97	0.134	<20	0.98	0.013	0.08	<0.1	0.01	2.8	<0.1	<0.05	3	<0.5	<0.2	

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
6960 4400	Soil	0.3	12.4	3.0	53	<0.1	20.3	6.5	262	2.31	1.5	0.2	<0.5	0.7	33	<0.1	0.1	<0.1	70	0.39	0.033
6980 4400	Soil	0.5	12.0	3.9	55	<0.1	25.1	8.8	464	2.26	1.8	0.3	<0.5	0.7	33	<0.1	0.1	<0.1	64	0.38	0.037
7000 4400	Soil	0.4	19.8	4.7	78	<0.1	61.0	18.0	925	3.21	2.2	0.4	<0.5	1.1	72	0.1	0.1	<0.1	82	0.77	0.039
6000 4100	Soil	0.5	11.3	3.4	88	<0.1	19.2	7.6	530	2.34	1.7	0.2	<0.5	0.5	20	<0.1	<0.1	<0.1	66	0.29	0.045
6020 4100	Soil	0.3	12.6	4.0	48	<0.1	19.4	9.4	448	2.71	1.7	0.2	<0.5	0.6	31	<0.1	0.1	<0.1	80	0.34	0.025
6040 4100	Soil	0.4	12.7	4.2	67	<0.1	22.4	9.9	562	2.80	1.6	0.3	<0.5	0.8	29	<0.1	0.1	<0.1	84	0.42	0.030
6060 4100	Soil	0.3	10.1	3.9	59	<0.1	14.5	6.3	518	2.00	1.3	0.2	<0.5	0.6	30	<0.1	<0.1	<0.1	61	0.31	0.035
6080 4100	Soil	0.3	9.3	4.0	45	<0.1	13.6	5.9	307	1.96	1.0	0.2	<0.5	0.6	32	<0.1	<0.1	<0.1	58	0.26	0.021
6100 4100	Soil	0.4	8.6	4.1	60	<0.1	15.7	6.7	325	2.13	0.8	0.2	<0.5	0.7	31	<0.1	<0.1	<0.1	63	0.28	0.033
6120 4100	Soil	0.3	11.9	4.3	72	<0.1	19.4	8.3	569	2.63	1.2	0.3	<0.5	0.9	29	0.1	0.1	<0.1	78	0.28	0.024
6140 4100	Soil	0.3	12.3	4.5	106	<0.1	28.2	11.7	806	3.10	1.6	0.3	<0.5	1.2	27	<0.1	0.1	<0.1	91	0.30	0.028
6160 4100	Soil	0.2	26.6	3.6	48	<0.1	26.9	9.9	238	3.60	7.0	0.4	<0.5	1.5	15	<0.1	0.2	<0.1	90	0.24	0.046
6180 4100	Soil	0.4	10.9	4.0	129	<0.1	21.2	8.5	1072	2.43	2.6	0.2	<0.5	0.7	28	0.1	0.1	<0.1	73	0.29	0.089
6200 4100	Soil	1.3	32.6	5.1	75	<0.1	32.2	11.4	333	3.82	10.4	0.3	1.2	0.9	32	0.1	0.8	<0.1	139	0.30	0.038
6220 4100	Soil	0.5	24.3	7.4	79	<0.1	32.1	12.9	523	3.75	6.6	0.4	<0.5	1.1	37	0.1	0.5	<0.1	133	0.41	0.036
6240 4100	Soil	0.4	13.8	4.1	73	<0.1	17.8	6.7	310	2.40	1.5	0.2	<0.5	0.9	34	<0.1	<0.1	<0.1	77	0.32	0.038
6260 4100	Soil	0.4	8.1	3.5	76	<0.1	12.1	4.9	378	1.94	0.9	0.2	<0.5	0.5	26	<0.1	<0.1	<0.1	58	0.21	0.026
6280 4100	Soil	0.3	4.6	3.1	74	<0.1	7.9	2.9	323	1.13	0.7	0.1	<0.5	0.3	15	<0.1	<0.1	<0.1	33	0.17	0.027
6300 4100	Soil	0.3	9.5	3.8	56	<0.1	18.1	7.0	295	2.79	1.1	0.3	<0.5	0.8	35	<0.1	0.1	<0.1	88	0.30	0.028
6320 4100	Soil	0.5	12.9	5.2	71	<0.1	17.7	6.2	284	2.92	2.3	0.2	6.6	0.7	31	<0.1	0.2	<0.1	89	0.32	0.044
6340 4100	Soil	0.2	22.1	6.5	96	<0.1	61.5	25.0	949	3.93	11.7	1.0	<0.5	2.0	84	0.1	0.2	<0.1	125	1.17	0.090
6360 4100	Soil	0.6	18.6	5.3	83	<0.1	41.7	12.0	296	4.49	6.3	0.2	<0.5	0.9	32	<0.1	0.3	<0.1	108	0.33	0.072
6380 4100	Soil	0.6	17.0	3.7	69	<0.1	23.6	8.1	281	3.19	7.4	0.3	<0.5	0.9	19	<0.1	0.2	<0.1	89	0.25	0.037
6400 4100	Soil	0.4	13.3	3.6	80	<0.1	18.9	5.6	247	2.64	6.4	0.2	<0.5	0.9	20	<0.1	0.2	<0.1	70	0.23	0.049
6420 4100	Soil	0.4	11.0	3.6	68	<0.1	16.5	7.0	382	2.74	3.1	0.2	<0.5	0.6	20	<0.1	0.2	<0.1	77	0.22	0.035
6440 4100	Soil	0.4	15.6	4.0	76	<0.1	25.8	10.7	546	3.47	6.0	0.3	<0.5	0.9	28	<0.1	0.3	<0.1	106	0.29	0.047
6460 4100	Soil	0.5	11.7	3.4	75	<0.1	19.7	8.3	404	3.02	4.0	0.2	<0.5	0.9	22	<0.1	0.2	<0.1	87	0.27	0.031
6480 4100	Soil	0.5	33.9	4.9	82	<0.1	41.4	16.3	554	4.26	18.0	0.4	1.5	1.9	31	<0.1	0.1	<0.1	97	0.63	0.078
6500 4100	Soil	1.6	19.8	4.9	64	<0.1	31.3	10.6	325	3.78	9.3	0.3	0.6	1.3	37	<0.1	0.2	<0.1	99	0.30	0.063
6520 4100	Soil	0.7	14.1	3.7	79	<0.1	23.0	8.0	360	3.12	3.6	0.3	<0.5	1.0	33	<0.1	0.2	<0.1	88	0.24	0.036

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
6960 4400	Soil	5	40	0.32	79	0.142	<20	0.99	0.012	0.18	<0.1	0.01	3.2	<0.1	<0.05	3	<0.5	<0.2
6980 4400	Soil	4	45	0.50	97	0.129	<20	1.21	0.010	0.13	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
7000 4400	Soil	10	88	1.14	121	0.147	<20	2.05	0.009	0.17	<0.1	0.03	4.6	<0.1	<0.05	7	<0.5	<0.2
6000 4100	Soil	4	41	0.35	124	0.045	<20	0.94	0.005	0.17	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
6020 4100	Soil	4	41	0.56	90	0.106	<20	1.17	0.012	0.15	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
6040 4100	Soil	5	48	0.66	118	0.100	<20	1.44	0.010	0.15	<0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
6060 4100	Soil	4	30	0.41	83	0.101	<20	1.19	0.011	0.13	<0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
6080 4100	Soil	2	29	0.37	82	0.107	<20	1.17	0.011	0.11	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
6100 4100	Soil	2	33	0.45	100	0.122	<20	1.25	0.016	0.09	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
6120 4100	Soil	3	42	0.60	99	0.123	<20	1.29	0.012	0.13	<0.1	0.05	2.7	<0.1	<0.05	5	<0.5	<0.2
6140 4100	Soil	5	51	0.85	121	0.126	<20	1.69	0.012	0.11	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
6160 4100	Soil	8	62	0.68	47	0.045	<20	1.11	0.003	0.09	<0.1	0.01	5.9	<0.1	<0.05	4	<0.5	<0.2
6180 4100	Soil	5	36	0.32	154	0.093	<20	1.42	0.010	0.15	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
6200 4100	Soil	5	46	0.39	168	0.107	<20	1.23	0.011	0.06	<0.1	0.12	4.7	<0.1	<0.05	4	<0.5	<0.2
6220 4100	Soil	10	54	0.45	157	0.081	<20	1.26	0.009	0.13	<0.1	0.05	5.3	<0.1	<0.05	5	<0.5	<0.2
6240 4100	Soil	3	32	0.35	111	0.141	<20	1.25	0.021	0.12	<0.1	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
6260 4100	Soil	2	26	0.20	123	0.111	<20	0.99	0.017	0.11	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
6280 4100	Soil	1	15	0.15	87	0.077	<20	0.77	0.011	0.08	<0.1	0.04	0.9	<0.1	<0.05	3	<0.5	<0.2
6300 4100	Soil	3	39	0.45	75	0.179	<20	1.26	0.023	0.11	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
6320 4100	Soil	4	43	0.31	84	0.119	<20	0.94	0.022	0.14	<0.1	0.07	3.2	<0.1	<0.05	4	<0.5	<0.2
6340 4100	Soil	12	50	2.36	81	0.373	<20	4.30	0.007	0.25	<0.1	0.02	9.0	<0.1	<0.05	15	<0.5	<0.2
6360 4100	Soil	7	48	0.22	115	0.033	<20	0.99	0.007	0.13	<0.1	0.04	5.5	<0.1	<0.05	3	<0.5	<0.2
6380 4100	Soil	5	38	0.23	72	0.058	<20	0.78	0.008	0.07	<0.1	0.02	3.9	<0.1	<0.05	3	<0.5	<0.2
6400 4100	Soil	6	35	0.16	78	0.047	<20	0.92	0.008	0.14	<0.1	0.01	3.4	<0.1	<0.05	3	<0.5	<0.2
6420 4100	Soil	3	30	0.30	66	0.065	<20	0.78	0.008	0.11	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
6440 4100	Soil	8	46	0.49	79	0.068	<20	1.00	0.012	0.12	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
6460 4100	Soil	8	39	0.30	76	0.075	<20	0.88	0.010	0.13	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
6480 4100	Soil	19	54	0.30	143	0.018	<20	1.31	0.006	0.16	<0.1	0.03	9.3	<0.1	<0.05	5	<0.5	<0.2
6500 4100	Soil	11	45	0.21	119	0.035	<20	1.16	0.008	0.15	<0.1	0.01	5.7	<0.1	<0.05	4	<0.5	<0.2
6520 4100	Soil	7	43	0.31	92	0.086	<20	1.00	0.013	0.14	<0.1	0.01	3.8	<0.1	<0.05	4	<0.5	<0.2

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
6540 4100	Soil	0.4	14.4	3.8	69	<0.1	27.4	11.9	462	3.57	2.5	0.4	<0.5	1.0	33	<0.1	0.2	<0.1	108	0.40	0.037
6560 4100	Soil	0.4	13.0	3.6	70	<0.1	26.3	11.6	483	3.42	1.9	0.4	<0.5	0.9	32	<0.1	0.2	<0.1	103	0.43	0.023
6580 4100	Soil	0.2	18.6	5.3	90	<0.1	55.6	22.2	700	3.94	6.1	0.9	<0.5	1.6	34	<0.1	0.2	<0.1	134	0.72	0.052
6600 4100	Soil	0.2	22.6	6.3	93	<0.1	59.1	24.2	880	4.16	9.8	0.9	<0.5	1.5	51	<0.1	0.3	<0.1	109	0.80	0.087
6620 4100	Soil	0.3	8.3	2.9	81	<0.1	12.4	5.0	293	2.12	1.0	0.2	<0.5	0.5	28	<0.1	0.1	<0.1	58	0.31	0.025
6640 4100	Soil	0.2	14.2	4.4	114	<0.1	41.4	16.6	710	3.08	6.7	0.6	<0.5	1.3	33	0.1	0.2	<0.1	72	0.61	0.052
6660 4100	Soil	0.2	5.6	2.5	92	<0.1	8.5	3.1	303	0.97	2.4	0.2	<0.5	0.3	18	<0.1	<0.1	<0.1	28	0.26	0.041
6680 4100	Soil	0.4	16.7	3.8	57	<0.1	29.4	11.0	362	3.21	4.5	0.4	<0.5	1.1	44	<0.1	0.2	<0.1	97	0.77	0.045
6700 4100	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6720 4100	Soil	0.3	5.6	3.0	71	<0.1	14.9	5.1	278	1.54	2.6	0.1	<0.5	0.5	17	<0.1	0.1	<0.1	34	0.18	0.029
6740 4100	Soil	0.3	8.1	3.4	72	<0.1	24.0	8.3	426	2.40	3.6	0.2	<0.5	0.7	28	<0.1	0.2	<0.1	56	0.38	0.037
6760 4100	Soil	0.3	11.9	3.9	80	<0.1	21.7	8.4	412	2.65	3.4	0.3	1.1	0.9	33	<0.1	0.1	<0.1	75	0.35	0.063
6780 4100	Soil	0.3	9.7	4.1	51	<0.1	17.1	6.5	270	2.07	2.2	0.3	1.1	0.7	37	0.1	0.1	<0.1	60	0.40	0.054
6800 4100	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6820 4100	Soil	0.3	8.9	3.0	73	<0.1	17.4	6.2	278	2.21	2.2	0.2	6.3	0.5	31	<0.1	0.1	<0.1	63	0.39	0.040
6840 4100	Soil	0.5	16.7	3.0	100	<0.1	24.0	6.8	435	2.13	2.7	0.2	0.8	0.5	39	0.2	0.3	<0.1	52	0.59	0.052
6860 4100	Soil	0.3	8.7	2.3	73	<0.1	16.2	4.4	256	1.82	1.8	0.2	<0.5	0.4	22	0.1	0.1	<0.1	46	0.31	0.050
6880 4100	Soil	0.2	10.2	3.3	84	<0.1	15.8	5.6	289	2.06	1.2	0.2	<0.5	0.7	30	0.2	0.1	<0.1	62	0.38	0.045
6900 4100	Soil	0.6	21.2	4.2	76	<0.1	38.4	10.8	631	2.69	7.1	0.2	<0.5	0.4	34	0.1	0.6	<0.1	54	0.85	0.066
6920 4100	Soil	0.4	11.8	3.3	42	<0.1	33.0	9.3	258	2.60	4.9	0.2	3.7	0.5	28	<0.1	0.4	<0.1	50	0.48	0.039
6940 4100	Soil	0.4	21.9	4.8	92	<0.1	46.4	10.9	377	3.70	5.6	0.1	1.5	0.6	33	0.1	1.4	0.2	60	0.30	0.077
6960 4100	Soil	0.5	20.3	4.8	108	<0.1	56.7	17.1	913	3.57	3.9	0.3	10.0	1.1	77	<0.1	0.4	0.1	66	0.58	0.095
6980 4100	Soil	0.3	42.9	3.9	90	<0.1	56.6	15.2	423	3.26	4.3	0.2	<0.5	1.0	41	<0.1	0.3	<0.1	70	0.55	0.087
7000 4100	Soil	0.4	16.9	3.1	115	<0.1	37.9	10.5	628	2.75	2.1	0.5	<0.5	1.0	37	0.1	0.1	<0.1	51	0.49	0.070
7700 1400	Soil	0.4	29.2	3.9	103	<0.1	32.5	12.7	1001	2.84	3.0	0.2	1.2	0.6	63	<0.1	0.1	<0.1	55	0.50	0.100
7710 1400	Soil	0.3	9.8	3.0	73	<0.1	31.8	13.3	491	3.23	1.2	0.2	<0.5	0.5	25	<0.1	<0.1	<0.1	55	0.23	0.036
7720 1400	Soil	0.2	18.5	3.7	129	<0.1	35.8	17.4	1172	3.62	1.6	0.3	2.5	0.8	28	0.1	0.1	<0.1	57	0.33	0.058
7730 1400	Soil	0.1	18.0	2.5	75	<0.1	42.0	20.4	634	4.08	1.5	0.2	0.5	0.7	24	<0.1	<0.1	<0.1	67	0.34	0.053
7740 1400	Soil	0.2	18.5	4.0	86	<0.1	34.4	16.5	901	3.25	1.4	0.2	0.6	0.7	35	0.2	<0.1	<0.1	51	0.41	0.066
7750 1400	Soil	0.2	13.4	3.0	103	<0.1	33.3	16.7	886	3.25	1.2	0.1	3.5	0.5	29	0.1	<0.1	<0.1	47	0.41	0.046

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
6540 4100	Soil	6	47	0.81	57	0.153	<20	1.58	0.013	0.10	<0.1	0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
6560 4100	Soil	6	44	0.81	53	0.194	<20	1.54	0.011	0.10	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
6580 4100	Soil	9	49	2.00	75	0.398	<20	3.52	0.009	0.08	<0.1	0.01	8.3	<0.1	<0.05	12	<0.5	<0.2
6600 4100	Soil	10	45	2.35	88	0.339	<20	3.67	0.007	0.11	<0.1	0.02	7.7	<0.1	<0.05	14	<0.5	<0.2
6620 4100	Soil	2	28	0.24	69	0.111	<20	0.85	0.014	0.08	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
6640 4100	Soil	8	37	1.53	82	0.232	<20	2.50	0.006	0.16	<0.1	<0.01	6.0	<0.1	<0.05	10	<0.5	<0.2
6660 4100	Soil	2	14	0.25	88	0.096	<20	0.72	0.007	0.04	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
6680 4100	Soil	6	51	0.86	71	0.204	<20	1.56	0.014	0.06	<0.1	<0.01	5.4	<0.1	<0.05	6	<0.5	<0.2
6700 4100	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6720 4100	Soil	2	34	0.39	87	0.088	<20	0.87	0.006	0.06	<0.1	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
6740 4100	Soil	4	49	0.61	104	0.134	<20	1.33	0.012	0.10	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
6760 4100	Soil	3	38	0.50	99	0.173	<20	1.70	0.010	0.07	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
6780 4100	Soil	3	31	0.36	93	0.140	<20	1.23	0.011	0.07	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
6800 4100	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
6820 4100	Soil	4	34	0.29	75	0.154	<20	0.95	0.015	0.08	<0.1	0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
6840 4100	Soil	5	34	0.22	192	0.103	<20	0.86	0.010	0.12	<0.1	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
6860 4100	Soil	3	30	0.17	118	0.091	<20	0.76	0.009	0.12	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
6880 4100	Soil	3	29	0.29	109	0.163	<20	1.09	0.015	0.08	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
6900 4100	Soil	7	34	0.17	284	0.034	<20	0.88	0.005	0.14	<0.1	0.09	3.9	<0.1	<0.05	3	0.6	0.3
6920 4100	Soil	7	33	0.12	225	0.028	<20	0.77	0.005	0.10	<0.1	0.03	3.6	<0.1	<0.05	2	<0.5	<0.2
6940 4100	Soil	8	44	0.13	247	0.022	<20	0.95	0.006	0.13	<0.1	0.04	4.7	<0.1	<0.05	3	<0.5	0.3
6960 4100	Soil	12	61	0.60	202	0.070	<20	1.88	0.010	0.15	<0.1	0.02	6.0	<0.1	<0.05	7	0.6	0.3
6980 4100	Soil	11	65	0.69	137	0.085	<20	1.75	0.013	0.13	<0.1	0.01	7.0	<0.1	<0.05	6	<0.5	<0.2
7000 4100	Soil	7	62	0.52	202	0.064	<20	1.63	0.011	0.20	<0.1	0.01	5.8	<0.1	<0.05	6	<0.5	<0.2
7700 1400	Soil	7	35	0.86	198	0.056	<20	1.86	0.008	0.17	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	0.3
7710 1400	Soil	3	29	1.17	85	0.044	<20	1.78	0.006	0.08	<0.1	<0.01	2.1	<0.1	<0.05	7	<0.5	<0.2
7720 1400	Soil	11	30	1.54	135	0.032	<20	2.15	0.006	0.11	<0.1	0.02	3.6	<0.1	<0.05	7	<0.5	<0.2
7730 1400	Soil	8	35	1.71	68	0.031	<20	2.22	0.005	0.12	<0.1	<0.01	3.3	<0.1	<0.05	8	<0.5	<0.2
7740 1400	Soil	9	29	1.37	108	0.022	<20	2.02	0.006	0.17	<0.1	0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
7750 1400	Soil	7	31	1.33	103	0.017	<20	2.00	0.006	0.17	<0.1	0.01	2.8	<0.1	<0.05	7	<0.5	0.2

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
7760 1400	Soil	0.2	15.4	2.7	64	<0.1	33.2	15.7	682	3.21	1.3	0.2	0.7	0.6	36	<0.1	<0.1	<0.1	46	0.42	0.073
7770 1400	Soil	0.2	20.3	2.7	64	<0.1	29.0	12.7	561	2.88	2.1	0.2	<0.5	0.6	43	<0.1	<0.1	<0.1	50	0.50	0.062
7780 1400	Soil	0.5	25.1	3.8	93	<0.1	26.4	12.1	801	2.49	2.4	0.2	<0.5	0.6	74	0.3	<0.1	<0.1	45	0.77	0.119
7790 1400	Soil	0.4	63.2	4.8	34	0.1	28.4	9.8	368	2.34	3.8	0.3	<0.5	0.8	143	0.2	0.1	<0.1	47	1.38	0.042
7800 1400	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7810 1400	Soil	0.4	40.7	4.3	64	<0.1	32.3	14.2	776	3.05	4.1	0.2	0.9	0.7	130	0.2	0.2	<0.1	64	1.07	0.071
7820 1400	Soil	0.2	126.6	2.3	27	0.3	16.9	3.1	200	0.91	2.8	0.3	<0.5	0.3	817	0.5	<0.1	<0.1	26	15.19	0.191
7830 1400	Soil	0.4	42.7	6.6	67	0.1	31.3	17.7	647	3.64	4.3	0.2	<0.5	0.7	90	0.2	0.4	<0.1	70	1.22	0.136
7840 1400	Soil	0.5	26.4	5.3	56	<0.1	23.1	10.1	551	2.33	1.2	0.3	<0.5	0.8	74	0.2	<0.1	<0.1	57	0.86	0.051
7850 1400	Soil	0.4	16.2	3.8	95	<0.1	17.3	10.2	888	2.03	1.7	0.2	0.8	0.5	79	0.3	<0.1	<0.1	42	0.77	0.095
7860 1400	Soil	0.3	11.9	3.7	33	<0.1	16.0	7.0	238	1.91	1.9	0.2	<0.5	0.5	35	<0.1	<0.1	<0.1	48	0.39	0.031
7870 1400	Soil	0.3	9.3	2.4	80	<0.1	16.0	8.5	581	1.90	1.1	0.1	<0.5	0.4	29	0.1	<0.1	<0.1	40	0.36	0.046
7880 1400	Soil	0.2	10.2	2.2	79	<0.1	21.7	11.4	399	2.53	0.8	0.2	1.1	0.5	23	<0.1	<0.1	<0.1	51	0.25	0.041
7890 1400	Soil	0.2	14.6	3.1	69	<0.1	25.2	12.6	417	2.91	1.1	0.2	<0.5	0.8	23	<0.1	<0.1	<0.1	63	0.32	0.041
7900 1400	Soil	0.1	21.5	2.4	75	<0.1	32.2	15.8	390	3.36	1.3	0.2	<0.5	0.8	25	<0.1	<0.1	<0.1	68	0.44	0.041
7700 1450	Soil	0.3	17.5	4.2	68	<0.1	33.0	13.0	523	2.98	2.0	0.3	6.9	0.8	30	<0.1	0.1	<0.1	57	0.34	0.052
7710 1450	Soil	0.2	22.0	4.4	82	<0.1	38.2	15.5	753	3.37	1.2	0.4	16.6	0.9	36	0.1	0.1	<0.1	65	0.40	0.054
7720 1450	Soil	0.7	9.8	4.2	38	<0.1	18.7	8.0	747	1.86	1.3	0.2	1.4	0.4	61	0.1	<0.1	<0.1	41	0.60	0.051
7730 1450	Soil	0.3	9.0	3.8	70	<0.1	17.0	7.2	617	2.03	1.3	0.2	3.2	0.5	28	<0.1	<0.1	<0.1	49	0.31	0.037
7740 1450	Soil	0.4	14.8	4.4	65	<0.1	24.4	9.4	499	2.75	2.3	0.4	1.3	1.0	33	<0.1	0.2	<0.1	68	0.36	0.041
7750 1450	Soil	0.3	14.0	3.9	57	<0.1	21.6	9.0	603	2.41	1.8	0.3	0.5	0.8	39	0.1	0.1	<0.1	58	0.39	0.039
7760 1450	Soil	0.4	13.6	3.9	52	<0.1	18.7	8.0	349	2.29	1.6	0.3	<0.5	0.9	41	<0.1	0.1	<0.1	61	0.34	0.046
7770 1450	Soil	0.6	42.4	8.5	76	0.1	34.4	20.4	1081	4.29	9.0	0.5	4.2	1.1	44	0.3	0.3	0.1	72	0.90	0.139
7780 1450	Soil	0.5	44.4	10.0	88	0.2	30.7	18.1	958	4.00	8.9	0.3	3.7	0.8	72	0.3	0.3	0.2	62	1.27	0.194
7790 1450	Soil	0.5	34.6	6.3	65	<0.1	35.8	19.5	839	4.02	5.7	0.4	3.0	0.9	51	0.2	0.2	0.1	68	0.83	0.129
7800 1450	Soil	0.4	27.5	4.3	56	<0.1	33.6	14.8	602	3.50	4.9	0.4	2.2	1.3	91	<0.1	0.3	<0.1	92	0.88	0.090
7810 1450	Soil	0.5	42.3	7.0	79	<0.1	23.6	12.3	1043	2.49	3.5	0.3	0.7	0.4	121	0.5	<0.1	0.1	43	1.57	0.174
7820 1450	Soil	0.4	39.6	7.0	112	<0.1	30.5	16.2	1252	3.43	2.3	0.3	0.6	0.8	61	0.3	<0.1	0.1	60	0.73	0.152
7830 1450	Soil	0.3	33.0	6.4	71	<0.1	28.5	15.4	1037	3.32	1.7	0.4	0.6	0.9	77	0.2	<0.1	0.1	58	0.96	0.125
7840 1450	Soil	0.4	142.0	5.1	48	0.5	40.6	10.2	728	3.17	3.1	0.4	2.5	1.2	232	0.5	<0.1	0.1	44	2.36	0.099

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Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
7760 1400	Soil	9	30	1.21	97	0.017	<20	2.00	0.005	0.31	<0.1	<0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
7770 1400	Soil	9	29	1.00	92	0.038	<20	1.75	0.008	0.28	<0.1	0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
7780 1400	Soil	10	28	0.74	154	0.047	<20	1.67	0.008	0.25	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
7790 1400	Soil	15	29	0.67	128	0.087	<20	2.08	0.023	0.10	<0.1	0.03	3.8	<0.1	<0.05	6	<0.5	0.2
7800 1400	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7810 1400	Soil	10	40	1.03	212	0.063	<20	2.06	0.016	0.15	<0.1	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
7820 1400	Soil	22	10	0.45	307	0.021	<20	0.97	0.018	0.05	<0.1	0.02	1.8	<0.1	0.15	2	1.0	0.3
7830 1400	Soil	28	33	1.18	116	0.006	<20	2.12	0.006	0.13	<0.1	0.03	4.7	<0.1	0.06	8	<0.5	<0.2
7840 1400	Soil	8	28	0.58	114	0.110	<20	1.68	0.014	0.14	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
7850 1400	Soil	6	21	0.57	160	0.030	<20	1.37	0.010	0.17	<0.1	0.05	2.4	<0.1	<0.05	5	<0.5	<0.2
7860 1400	Soil	6	26	0.49	75	0.089	<20	1.54	0.012	0.15	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
7870 1400	Soil	3	19	0.56	107	0.035	<20	1.28	0.008	0.23	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	0.2
7880 1400	Soil	4	25	0.81	89	0.028	<20	1.68	0.011	0.21	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
7890 1400	Soil	6	30	0.90	80	0.042	<20	1.88	0.011	0.21	<0.1	0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
7900 1400	Soil	7	34	1.17	78	0.008	<20	2.50	0.009	0.10	<0.1	0.01	4.8	<0.1	<0.05	8	<0.5	<0.2
7700 1450	Soil	8	35	1.09	110	0.047	<20	2.01	0.012	0.19	<0.1	0.01	3.0	<0.1	<0.05	7	<0.5	<0.2
7710 1450	Soil	13	41	1.35	127	0.051	<20	2.19	0.009	0.17	<0.1	0.01	4.0	<0.1	<0.05	8	<0.5	<0.2
7720 1450	Soil	6	25	0.62	118	0.053	<20	1.36	0.010	0.09	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
7730 1450	Soil	3	27	0.55	93	0.096	<20	1.35	0.010	0.14	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
7740 1450	Soil	6	37	0.66	112	0.127	<20	1.81	0.015	0.13	<0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
7750 1450	Soil	6	31	0.60	111	0.115	<20	1.43	0.013	0.21	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
7760 1450	Soil	5	31	0.51	94	0.120	<20	1.65	0.014	0.07	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
7770 1450	Soil	22	32	1.29	126	0.019	<20	2.17	0.006	0.16	<0.1	0.03	4.9	<0.1	<0.05	8	<0.5	<0.2
7780 1450	Soil	25	28	1.24	144	0.012	<20	1.97	0.005	0.17	<0.1	0.05	3.8	<0.1	0.06	7	<0.5	<0.2
7790 1450	Soil	24	29	1.58	97	0.010	<20	2.49	0.004	0.16	<0.1	0.04	4.1	<0.1	0.05	8	<0.5	<0.2
7800 1450	Soil	11	37	1.17	89	0.092	<20	1.89	0.027	0.12	<0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
7810 1450	Soil	16	22	0.77	167	0.010	<20	1.61	0.006	0.16	<0.1	0.08	2.5	<0.1	0.07	5	1.0	<0.2
7820 1450	Soil	14	33	1.13	130	0.016	<20	2.33	0.007	0.16	<0.1	0.03	4.0	<0.1	<0.05	8	<0.5	<0.2
7830 1450	Soil	16	29	1.06	140	0.012	<20	2.33	0.007	0.19	<0.1	0.04	3.8	<0.1	<0.05	8	<0.5	<0.2
7840 1450	Soil	21	37	0.87	315	0.048	<20	4.16	0.026	0.14	<0.1	0.04	6.4	<0.1	0.06	8	<0.5	<0.2

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
7850 1450	Soil	0.3	18.0	3.8	59	<0.1	24.1	11.8	429	2.74	1.3	0.3	2.3	0.6	52	<0.1	<0.1	<0.1	55	0.56	0.078
7860 1450	Soil	0.2	14.0	2.9	72	<0.1	18.8	9.6	614	2.38	1.1	0.2	<0.5	0.6	45	0.1	<0.1	<0.1	50	0.57	0.065
7870 1450	Soil	0.5	27.5	4.0	50	<0.1	29.0	12.7	509	3.13	2.1	0.4	2.6	1.1	57	<0.1	0.2	<0.1	79	0.52	0.046
7880 1450	Soil	0.3	18.8	4.7	68	<0.1	24.2	12.0	565	2.99	1.2	0.3	0.9	1.0	38	0.1	<0.1	<0.1	70	0.46	0.053
7890 1450	Soil	0.4	20.0	4.7	64	<0.1	24.9	9.9	510	2.81	1.6	0.5	2.4	1.3	42	0.1	0.1	<0.1	82	0.41	0.036
7900 1450	Soil	0.3	11.8	5.0	59	<0.1	20.4	7.2	294	2.29	1.1	0.4	0.6	1.1	37	<0.1	0.1	<0.1	61	0.35	0.042
7700 1500	Soil	0.5	32.1	5.8	100	0.1	28.2	14.9	1228	3.02	6.6	0.4	54.0	0.6	69	0.3	0.1	0.3	52	0.88	0.167
7710 1500	Soil	0.4	42.4	5.8	80	<0.1	30.8	11.8	1162	2.47	3.5	0.5	7.7	0.7	100	0.5	<0.1	0.1	42	1.39	0.182
7720 1500	Soil	0.5	19.1	4.8	31	<0.1	15.7	7.8	635	1.93	1.9	0.3	0.6	0.6	63	0.1	0.1	<0.1	45	0.55	0.029
7730 1500	Soil	0.3	20.0	3.9	84	<0.1	28.7	13.4	695	3.02	4.8	0.3	103.1	0.6	41	0.2	0.1	<0.1	52	0.48	0.087
7740 1500	Soil	0.3	14.7	4.3	61	0.1	29.3	12.7	631	2.96	4.2	0.3	1.4	0.7	39	<0.1	0.1	<0.1	65	0.41	0.052
7750 1500	Soil	0.3	12.4	4.9	100	<0.1	23.4	11.0	676	2.39	2.9	0.4	1.3	0.9	43	0.1	<0.1	0.2	48	0.38	0.053
7760 1500	Soil	0.4	22.4	5.6	78	0.1	30.9	14.1	633	3.31	9.7	0.4	16.8	0.7	50	<0.1	0.1	0.3	62	0.55	0.107
7770 1500	Soil	0.3	23.0	6.4	82	<0.1	36.2	14.1	829	2.99	2.0	0.5	1.6	1.0	53	0.2	0.1	0.1	57	0.65	0.095
7780 1500	Soil	0.4	27.0	5.1	66	<0.1	27.2	13.0	781	2.96	3.9	0.5	2.3	1.1	66	0.1	0.1	0.1	69	0.60	0.061
7790 1500	Soil	0.4	29.5	5.5	78	<0.1	26.1	12.8	866	2.56	3.8	0.4	0.9	0.8	106	0.5	0.1	0.1	52	1.02	0.109
7700 1750	Soil	0.5	22.6	4.5	56	<0.1	30.3	13.3	541	3.28	4.5	0.4	0.5	1.1	55	0.1	0.2	<0.1	85	0.58	0.049
7710 1750	Soil	0.4	28.2	4.8	79	<0.1	34.4	14.5	872	3.18	3.4	0.4	1.6	1.0	63	0.2	0.2	<0.1	72	0.71	0.096
7720 1750	Soil	0.3	28.6	5.7	74	<0.1	43.1	16.4	860	3.13	2.5	0.3	1.9	0.9	50	0.2	0.3	<0.1	59	0.73	0.096
7730 1750	Soil	0.3	40.3	5.5	76	0.1	54.7	18.8	836	3.56	2.7	0.3	20.8	1.0	65	0.2	0.2	<0.1	68	0.81	0.058
7740 1750	Soil	0.2	27.7	5.2	78	<0.1	75.6	23.0	849	4.04	1.7	0.5	6.9	1.0	38	0.1	0.2	<0.1	76	0.62	0.063
7750 1750	Soil	0.3	34.2	4.7	78	<0.1	72.7	22.8	1088	4.03	2.2	0.4	4.6	0.9	65	0.2	0.2	<0.1	71	0.85	0.069
7760 1750	Soil	0.3	38.4	5.2	77	0.1	57.9	18.3	831	3.64	2.5	0.4	13.0	1.1	68	0.2	0.2	<0.1	63	0.86	0.081
7840 1750	Soil	0.6	29.7	4.9	66	<0.1	27.5	12.7	893	2.65	2.8	0.4	<0.5	1.0	68	0.2	0.2	<0.1	64	0.57	0.070
7850 1750	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7860 1750	Soil	0.6	19.5	4.6	62	<0.1	17.0	7.5	937	1.66	2.0	0.3	<0.5	0.6	56	0.3	0.1	<0.1	42	0.53	0.040
7870 1750	Soil	0.5	23.6	5.1	55	<0.1	22.0	8.8	441	2.16	2.0	0.4	<0.5	1.1	56	0.1	0.1	<0.1	54	0.50	0.043
7880 1750	Soil	0.7	27.7	5.9	51	<0.1	26.3	10.7	643	2.37	3.3	0.5	0.7	0.9	66	0.1	0.2	<0.1	58	0.66	0.052
7890 1750	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7900 1750	Soil	0.5	20.9	4.3	72	<0.1	20.4	8.9	732	2.04	1.6	0.3	<0.5	0.8	51	0.1	<0.1	<0.1	51	0.44	0.047

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
7850 1450	Soil	7	30	0.88	89	0.044	<20	1.91	0.009	0.18	<0.1	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2	
7860 1450	Soil	7	27	0.68	120	0.045	<20	1.52	0.008	0.32	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2	
7870 1450	Soil	11	44	0.89	79	0.127	<20	1.79	0.017	0.21	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2	
7880 1450	Soil	10	35	0.79	88	0.072	<20	1.84	0.011	0.21	<0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2	
7890 1450	Soil	10	44	0.65	86	0.179	<20	1.94	0.017	0.13	<0.1	0.02	5.1	<0.1	<0.05	6	<0.5	<0.2	
7900 1450	Soil	5	38	0.48	90	0.168	<20	1.74	0.014	0.14	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2	
7700 1500	Soil	14	30	0.80	223	0.047	<20	2.19	0.009	0.17	<0.1	0.03	4.3	<0.1	<0.05	7	<0.5	<0.2	
7710 1500	Soil	15	26	0.99	252	0.054	<20	2.15	0.009	0.14	<0.1	0.03	3.5	<0.1	<0.05	7	<0.5	<0.2	
7720 1500	Soil	8	24	0.45	155	0.075	<20	1.38	0.012	0.15	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2	
7730 1500	Soil	6	31	1.07	134	0.033	<20	2.02	0.006	0.15	<0.1	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2	
7740 1500	Soil	7	31	0.93	118	0.054	<20	1.96	0.009	0.11	<0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2	
7750 1500	Soil	6	27	0.95	116	0.053	<20	2.06	0.011	0.10	<0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2	
7760 1500	Soil	9	34	0.96	118	0.061	<20	2.35	0.009	0.12	<0.1	0.03	3.7	<0.1	<0.05	8	<0.5	<0.2	
7770 1500	Soil	12	36	1.38	199	0.082	<20	2.53	0.010	0.19	<0.1	0.02	4.2	<0.1	<0.05	8	<0.5	<0.2	
7780 1500	Soil	13	38	0.75	129	0.099	<20	1.94	0.015	0.23	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2	
7790 1500	Soil	11	31	0.65	180	0.071	<20	1.88	0.012	0.23	<0.1	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2	
7700 1750	Soil	12	43	0.98	108	0.117	<20	2.08	0.013	0.15	<0.1	0.02	4.9	<0.1	<0.05	7	<0.5	<0.2	
7710 1750	Soil	13	42	1.01	126	0.103	<20	2.24	0.011	0.21	<0.1	0.02	4.7	<0.1	<0.05	7	<0.5	<0.2	
7720 1750	Soil	10	41	1.30	107	0.096	<20	2.08	0.010	0.15	<0.1	0.02	4.7	<0.1	<0.05	7	<0.5	<0.2	
7730 1750	Soil	11	50	1.68	97	0.117	<20	2.43	0.013	0.14	<0.1	0.02	5.5	<0.1	<0.05	8	<0.5	<0.2	
7740 1750	Soil	12	58	2.34	85	0.131	<20	2.61	0.008	0.11	<0.1	0.02	6.1	<0.1	<0.05	10	<0.5	<0.2	
7750 1750	Soil	13	57	2.15	102	0.073	<20	2.62	0.008	0.17	<0.1	0.02	6.1	<0.1	<0.05	10	<0.5	<0.2	
7760 1750	Soil	14	48	1.64	122	0.088	<20	2.53	0.010	0.17	<0.1	0.03	6.1	<0.1	<0.05	8	<0.5	<0.2	
7840 1750	Soil	9	39	0.72	122	0.156	<20	1.73	0.020	0.16	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2	
7850 1750	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
7860 1750	Soil	5	26	0.42	107	0.119	<20	1.13	0.017	0.11	<0.1	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2	
7870 1750	Soil	7	34	0.52	118	0.148	<20	1.46	0.017	0.15	<0.1	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2	
7880 1750	Soil	9	35	0.60	120	0.137	<20	1.70	0.014	0.15	<0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2	
7890 1750	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
7900 1750	Soil	5	31	0.52	107	0.150	<20	1.42	0.015	0.13	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2	

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
7700 1650	Soil		0.3	35.0	5.1	56	0.1	39.0	17.0	795	3.53	4.4	0.4	3.0	1.5	85	0.1	0.2	<0.1	77	0.75	0.050
7710 1650	Soil		0.3	20.5	4.2	58	<0.1	33.0	13.5	968	2.95	2.4	0.4	1.1	0.9	56	0.1	0.2	<0.1	63	0.50	0.061
7720 1650	Soil		0.3	28.6	6.8	93	<0.1	47.3	18.4	1454	3.38	2.2	0.3	2.4	0.9	73	0.2	0.2	<0.1	57	0.76	0.094
7730 1650	Soil		0.2	23.8	3.5	65	<0.1	43.9	15.5	575	3.27	2.0	0.3	4.8	0.9	50	<0.1	0.2	<0.1	61	0.40	0.076
7740 1650	Soil		0.4	25.9	4.0	50	<0.1	33.7	13.0	1030	2.52	3.3	0.3	28.7	0.6	98	0.2	0.1	<0.1	44	0.95	0.087
7750 1650	Soil		0.4	34.5	4.0	42	<0.1	31.8	11.9	478	2.91	3.7	0.4	3.0	1.1	91	<0.1	0.2	<0.1	73	0.66	0.073
7760 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7770 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7780 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7790 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7800 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7810 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7820 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7830 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7840 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7850 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7860 1650	Soil		0.5	46.1	4.2	58	<0.1	45.9	17.6	854	3.74	7.9	0.5	7.6	1.5	119	0.2	0.4	<0.1	95	1.35	0.113
7870 1650	Soil		0.4	26.3	4.1	55	<0.1	25.4	10.0	617	2.41	2.0	0.4	<0.5	0.9	59	0.2	0.1	<0.1	62	0.57	0.099
7880 1650	Soil		0.5	22.3	4.0	44	<0.1	27.5	10.3	423	2.66	2.2	0.4	<0.5	0.9	46	<0.1	0.2	<0.1	70	0.42	0.038
7890 1650	Soil		0.7	19.0	4.8	69	<0.1	21.8	9.3	1000	2.17	1.9	0.3	<0.5	0.8	49	0.2	0.1	<0.1	54	0.44	0.072
7900 1650	Soil		0.4	20.4	4.2	47	<0.1	30.7	12.0	472	2.88	2.0	0.4	<0.5	1.1	48	<0.1	0.2	<0.1	73	0.42	0.039
7840 1700	Soil		0.6	45.2	5.0	52	0.1	40.2	15.6	598	3.51	5.5	0.7	2.3	2.0	87	0.1	0.2	<0.1	93	0.81	0.070
7850 1700	Soil		0.5	37.1	4.8	74	<0.1	32.1	13.4	739	2.82	2.7	0.5	0.5	1.0	69	0.3	0.2	<0.1	70	0.71	0.079
7860 1700	Soil		0.6	32.4	4.6	51	<0.1	30.4	12.8	693	2.89	3.4	0.5	<0.5	1.0	73	0.1	0.2	<0.1	73	0.65	0.066
7870 1700	Soil		0.5	29.0	4.6	53	<0.1	29.1	11.7	706	2.59	2.8	0.5	<0.5	0.8	68	0.2	0.1	<0.1	62	0.70	0.060
7880 1700	Soil		0.6	34.6	4.5	48	<0.1	30.6	13.5	727	2.66	3.1	0.6	<0.5	1.0	62	0.1	0.1	<0.1	65	0.69	0.054
7890 1700	Soil		0.5	33.3	5.0	42	<0.1	32.8	13.3	623	2.88	3.3	0.5	0.9	0.8	60	0.1	0.1	<0.1	72	0.63	0.039
7900 1700	Soil		0.9	38.3	5.0	43	<0.1	32.6	12.8	585	2.74	2.9	0.7	0.7	1.1	58	0.1	0.2	<0.1	67	0.65	0.038
7700 1700	Soil		0.4	34.2	5.8	60	<0.1	38.7	19.3	686	3.91	9.9	0.3	3.8	1.0	71	0.1	0.4	<0.1	91	0.74	0.091
7710 1700	Soil		0.4	35.4	6.0	107	<0.1	42.6	14.8	1194	2.99	3.0	0.4	1.3	0.8	92	0.4	0.2	<0.1	62	1.08	0.074

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.

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
7700 1650	Soil		13	48	1.10	115	0.117	<20	2.25	0.017	0.16	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5	<0.2
7710 1650	Soil		10	48	0.90	119	0.111	<20	1.90	0.014	0.22	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
7720 1650	Soil		13	57	1.26	142	0.069	<20	2.24	0.009	0.21	<0.1	0.04	4.9	<0.1	<0.05	8	<0.5	<0.2
7730 1650	Soil		9	44	1.23	76	0.078	<20	2.05	0.011	0.18	<0.1	0.02	4.7	<0.1	<0.05	7	<0.5	<0.2
7740 1650	Soil		9	41	0.88	113	0.069	<20	1.60	0.011	0.26	<0.1	0.05	3.6	<0.1	<0.05	5	<0.5	<0.2
7750 1650	Soil		11	43	0.80	81	0.119	<20	1.77	0.023	0.25	<0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
7760 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7770 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7780 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7790 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7800 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7810 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7820 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7830 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7840 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7850 1650	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7860 1650	Soil		14	42	1.20	96	0.111	<20	1.77	0.041	0.12	<0.1	0.04	7.7	<0.1	<0.05	5	<0.5	<0.2
7870 1650	Soil		8	42	0.57	108	0.147	<20	1.53	0.018	0.27	<0.1	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
7880 1650	Soil		6	46	0.63	85	0.173	<20	1.60	0.023	0.10	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
7890 1650	Soil		4	38	0.48	112	0.143	<20	1.39	0.018	0.13	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
7900 1650	Soil		7	52	0.74	104	0.173	<20	1.76	0.021	0.10	<0.1	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
7840 1700	Soil		14	59	1.00	104	0.186	<20	2.56	0.031	0.13	<0.1	0.03	8.4	<0.1	<0.05	7	<0.5	<0.2
7850 1700	Soil		10	47	0.68	104	0.160	<20	1.94	0.023	0.15	<0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
7860 1700	Soil		9	48	0.70	102	0.165	<20	1.88	0.021	0.17	<0.1	0.02	5.7	<0.1	<0.05	6	<0.5	<0.2
7870 1700	Soil		9	45	0.64	115	0.154	<20	1.81	0.021	0.18	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
7880 1700	Soil		11	47	0.69	106	0.144	<20	1.85	0.019	0.22	<0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
7890 1700	Soil		10	49	0.80	113	0.148	<20	2.03	0.021	0.12	<0.1	0.02	5.4	<0.1	<0.05	6	<0.5	<0.2
7900 1700	Soil		11	51	0.72	109	0.144	<20	2.03	0.022	0.16	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
7700 1700	Soil		11	44	1.35	92	0.090	<20	2.23	0.019	0.17	<0.1	0.04	5.3	<0.1	0.07	7	<0.5	<0.2
7710 1700	Soil		9	41	1.07	170	0.138	<20	2.25	0.013	0.18	<0.1	0.03	4.6	<0.1	<0.05	7	<0.5	<0.2

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.

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
7720 1700	Soil	0.3	30.8	5.2	65	<0.1	39.4	15.6	692	3.37	3.5	0.5	2.3	1.1	71	0.1	0.2	<0.1	76	0.70	0.061
7730 1700	Soil	0.3	29.5	6.9	98	<0.1	54.0	17.9	1127	3.52	2.2	0.5	3.7	1.0	75	0.3	0.2	<0.1	66	1.06	0.143
7740 1700	Soil	0.5	37.7	5.7	85	0.2	45.2	15.9	1248	2.90	2.6	0.3	16.7	0.6	116	0.3	0.2	<0.1	52	1.59	0.120
7700 1600	Soil	0.2	29.7	3.5	77	<0.1	60.0	19.1	655	3.82	1.9	0.1	6.4	0.7	107	0.3	<0.1	<0.1	54	0.96	0.158
7710 1600	Soil	0.3	40.3	5.4	67	0.1	54.1	19.7	681	3.88	4.4	0.3	3.0	0.9	66	0.1	0.2	<0.1	74	0.75	0.084
7720 1600	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7730 1600	Soil	0.3	32.3	5.2	109	<0.1	36.5	13.7	799	3.24	3.2	0.4	2.4	1.0	75	0.1	0.1	<0.1	66	0.65	0.121
7740 1600	Soil	0.3	23.3	4.4	85	<0.1	35.5	13.7	834	3.05	2.2	0.3	2.0	0.7	104	0.2	<0.1	<0.1	53	0.83	0.115
7750 1600	Soil	0.3	82.9	5.3	49	0.1	34.5	11.6	701	2.78	2.8	0.3	<0.5	0.8	209	0.3	0.1	0.1	48	1.41	0.059
7760 1600	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7770 1600	Soil	0.4	35.3	4.7	45	<0.1	26.0	11.4	644	2.49	3.9	0.4	<0.5	0.6	118	0.1	0.1	<0.1	54	0.80	0.056
7780 1600	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7790 1600	Soil	0.4	41.0	4.7	60	<0.1	26.6	13.0	688	2.67	3.2	0.5	<0.5	0.9	136	0.2	<0.1	<0.1	61	0.99	0.078
7800 1600	Soil	0.4	43.3	4.9	52	<0.1	29.7	12.4	747	2.66	3.2	0.6	1.9	0.9	133	0.2	<0.1	<0.1	55	0.89	0.081
7810 1600	Soil	0.3	42.5	5.2	53	0.1	28.4	12.9	701	2.61	2.8	0.7	1.4	0.8	149	0.1	0.1	<0.1	55	1.11	0.053
7820 1600	Soil	0.3	41.2	5.0	57	<0.1	30.6	12.2	566	2.25	2.7	0.6	<0.5	0.9	146	0.1	<0.1	<0.1	55	1.19	0.087
7830 1600	Soil	0.2	72.2	5.8	41	0.2	36.8	13.1	277	2.58	2.2	0.3	110.3	0.8	145	0.1	<0.1	<0.1	46	1.30	0.039
7840 1600	Soil	0.2	112.9	3.6	35	0.2	27.7	5.7	287	1.37	3.6	0.3	2.0	0.3	686	0.4	<0.1	<0.1	23	12.60	0.210
7850 1600	Soil	0.4	29.1	5.6	50	0.1	30.7	11.3	364	2.67	2.4	0.5	<0.5	1.0	98	<0.1	0.1	<0.1	62	0.86	0.049
7860 1600	Soil	0.4	41.0	4.6	59	<0.1	45.5	16.7	669	3.60	7.1	0.4	19.0	1.4	131	0.1	0.2	<0.1	90	1.03	0.117
7870 1600	Soil	0.5	31.1	5.0	72	<0.1	31.3	12.8	937	2.91	3.6	0.5	0.7	0.9	63	0.2	0.1	<0.1	63	0.64	0.127
7880 1600	Soil	0.5	35.5	4.7	59	<0.1	26.1	11.9	777	2.69	3.3	0.4	<0.5	0.7	113	0.2	0.1	<0.1	58	1.09	0.098
7890 1600	Soil	0.4	36.4	6.5	86	<0.1	28.8	13.6	1295	3.00	3.7	0.3	3.0	0.5	97	0.3	0.1	<0.1	44	1.67	0.179
7900 1600	Soil	0.4	42.9	6.7	101	<0.1	36.6	16.7	1232	3.78	7.3	0.3	<0.5	0.8	78	0.2	0.3	<0.1	70	1.07	0.146
7700 1550	Soil	0.3	21.7	4.2	62	<0.1	23.6	9.8	608	2.50	3.3	0.3	0.8	0.7	51	0.1	<0.1	<0.1	50	0.50	0.099
7710 1550	Soil	0.3	61.1	4.9	92	0.3	44.8	13.6	1147	3.18	5.1	0.5	32.9	0.3	133	0.6	<0.1	0.3	39	1.35	0.418
7720 1550	Soil	0.4	35.6	6.1	59	<0.1	47.6	15.5	852	3.05	3.5	0.3	3.8	0.6	121	0.4	<0.1	0.2	39	1.16	0.085
7730 1550	Soil	0.4	41.1	4.8	40	<0.1	25.6	10.4	560	2.42	3.8	0.3	1.3	0.9	101	0.1	0.1	0.1	48	0.57	0.039
7740 1550	Soil	0.4	32.3	4.9	34	<0.1	21.6	10.8	811	2.44	2.6	0.5	1.0	0.6	81	0.1	0.1	<0.1	46	0.77	0.030
7750 1550	Soil	0.4	20.0	4.3	47	<0.1	15.5	9.0	556	2.14	2.0	0.3	<0.5	0.7	60	0.1	0.1	<0.1	51	0.48	0.046

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Project: None Given
Report Date: August 27, 2010

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CERTIFICATE OF ANALYSIS SMI10000357.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
7720 1700	Soil	10	44	1.17	108	0.160	<20	2.43	0.017	0.16	<0.1	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2
7730 1700	Soil	9	50	1.47	144	0.163	<20	2.65	0.011	0.20	<0.1	0.04	4.7	<0.1	<0.05	9	<0.5	<0.2
7740 1700	Soil	9	46	1.21	169	0.121	<20	2.18	0.011	0.16	<0.1	0.06	3.9	<0.1	0.05	7	<0.5	<0.2
7700 1600	Soil	16	74	1.64	206	0.034	<20	2.60	0.009	0.26	<0.1	0.02	4.5	<0.1	<0.05	10	<0.5	<0.2
7710 1600	Soil	15	65	1.62	107	0.067	<20	2.68	0.016	0.20	<0.1	0.02	6.1	<0.1	<0.05	9	<0.5	<0.2
7720 1600	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7730 1600	Soil	14	40	0.92	169	0.086	<20	2.43	0.020	0.26	<0.1	0.03	6.3	<0.1	<0.05	8	<0.5	<0.2
7740 1600	Soil	12	38	1.02	167	0.046	<20	2.31	0.012	0.22	<0.1	0.02	4.9	<0.1	<0.05	8	0.7	<0.2
7750 1600	Soil	33	32	0.79	198	0.053	<20	2.37	0.022	0.11	<0.1	0.04	5.2	<0.1	0.05	7	0.9	<0.2
7760 1600	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7770 1600	Soil	10	30	0.60	138	0.103	<20	1.83	0.018	0.16	<0.1	0.02	4.1	<0.1	<0.05	5	0.6	<0.2
7780 1600	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7790 1600	Soil	11	32	0.59	175	0.137	<20	1.91	0.021	0.22	<0.1	0.02	4.8	<0.1	<0.05	6	0.5	<0.2
7800 1600	Soil	11	31	0.66	162	0.135	<20	1.93	0.024	0.18	<0.1	0.03	5.0	<0.1	<0.05	6	0.7	<0.2
7810 1600	Soil	12	30	0.65	154	0.136	<20	2.06	0.024	0.17	<0.1	0.04	5.2	<0.1	<0.05	5	0.5	<0.2
7820 1600	Soil	11	32	0.65	137	0.156	<20	1.91	0.026	0.13	<0.1	0.04	4.9	<0.1	<0.05	5	0.6	<0.2
7830 1600	Soil	16	33	0.81	171	0.119	<20	2.42	0.038	0.09	<0.1	0.03	5.1	<0.1	<0.05	7	0.7	<0.2
7840 1600	Soil	21	19	0.54	227	0.047	<20	1.52	0.032	0.06	<0.1	0.05	2.3	<0.1	0.09	4	1.2	<0.2
7850 1600	Soil	11	35	0.81	116	0.146	<20	1.99	0.028	0.11	<0.1	0.02	4.4	<0.1	<0.05	6	0.6	<0.2
7860 1600	Soil	13	40	1.28	99	0.112	<20	2.13	0.039	0.13	<0.1	0.05	7.1	<0.1	<0.05	7	0.5	<0.2
7870 1600	Soil	12	35	0.78	171	0.122	<20	2.39	0.016	0.14	<0.1	0.04	4.9	<0.1	<0.05	7	<0.5	<0.2
7880 1600	Soil	13	28	0.62	171	0.114	<20	1.68	0.014	0.18	<0.1	0.06	4.5	<0.1	<0.05	5	<0.5	<0.2
7890 1600	Soil	14	27	0.81	245	0.077	<20	1.76	0.009	0.15	<0.1	0.06	3.3	<0.1	<0.05	6	<0.5	<0.2
7900 1600	Soil	18	36	1.21	183	0.111	<20	2.52	0.010	0.13	<0.1	0.02	5.3	<0.1	<0.05	8	<0.5	<0.2
7700 1550	Soil	7	29	0.68	141	0.100	<20	1.81	0.016	0.12	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
7710 1550	Soil	19	52	0.89	337	0.031	<20	2.30	0.007	0.15	<0.1	0.02	4.8	<0.1	<0.05	8	0.6	<0.2
7720 1550	Soil	12	45	1.17	178	0.036	<20	2.13	0.008	0.19	<0.1	0.04	4.1	<0.1	<0.05	7	<0.5	<0.2
7730 1550	Soil	14	28	0.63	141	0.084	<20	1.76	0.018	0.14	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
7740 1550	Soil	11	26	0.51	114	0.091	<20	1.68	0.020	0.15	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
7750 1550	Soil	5	26	0.50	104	0.116	<20	1.40	0.019	0.15	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2

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Project: None Given
Report Date: August 27, 2010
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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
7760 1550	Soil	0.3	17.1	3.8	83	<0.1	35.6	14.7	620	3.41	2.5	0.5	2.0	1.1	67	0.1	0.1	<0.1	74	0.52	0.090
7770 1550	Soil	0.4	40.0	4.6	61	0.2	37.7	13.8	619	3.47	5.0	0.6	3.3	1.3	96	0.1	0.2	<0.1	78	0.80	0.080
7780 1550	Soil	0.2	15.8	3.8	90	<0.1	20.9	6.8	348	2.06	1.9	0.3	1.1	1.0	48	0.1	0.1	<0.1	49	0.35	0.069
7790 1550	Soil	0.4	24.6	3.9	84	<0.1	23.5	8.4	608	2.34	2.1	0.3	3.5	0.6	68	0.2	<0.1	<0.1	47	0.61	0.086
7800 1550	Soil	0.4	37.8	4.7	54	0.1	28.1	11.3	606	2.82	2.8	0.6	1.6	0.9	111	0.2	0.2	<0.1	69	0.86	0.045
7810 1550	Soil	0.5	34.0	5.8	62	<0.1	29.1	12.2	742	2.64	3.4	0.5	4.7	0.6	110	0.2	0.1	<0.1	60	1.03	0.063
7820 1550	Soil	0.5	38.4	7.7	72	<0.1	31.2	13.2	1101	3.01	3.7	0.4	2.1	0.8	110	0.3	0.2	0.1	60	1.13	0.073
7830 1550	Soil	0.3	55.7	6.5	60	0.2	35.2	14.9	797	3.34	4.2	0.3	5.5	1.0	135	<0.1	0.2	<0.1	67	1.38	0.041
7840 1550	Soil	0.4	37.9	6.3	58	0.1	34.4	14.3	536	3.37	4.1	0.4	2.6	0.9	128	0.1	0.1	<0.1	73	1.11	0.071
7850 1550	Soil	0.5	35.2	4.7	62	<0.1	39.6	14.6	427	4.06	3.6	0.6	2.3	1.6	84	0.1	0.2	<0.1	100	0.66	0.037
7860 1550	Soil	0.4	22.0	4.6	63	<0.1	21.9	9.1	402	2.76	2.4	0.4	<0.5	1.1	58	<0.1	0.1	0.1	70	0.49	0.063
7870 1550	Soil	0.5	12.1	5.4	31	<0.1	14.1	6.2	192	1.99	1.3	0.3	1.2	0.7	44	<0.1	0.1	<0.1	53	0.37	0.014
7880 1550	Soil	0.3	17.8	3.2	51	<0.1	22.5	8.9	273	2.83	1.6	0.3	1.9	0.9	44	<0.1	<0.1	<0.1	66	0.41	0.036
7890 1550	Soil	0.3	14.9	4.2	59	<0.1	19.3	8.1	500	2.44	1.3	0.3	15.5	0.6	50	0.1	<0.1	<0.1	48	0.47	0.101
7900 1550	Soil	0.2	17.0	3.3	56	<0.1	21.8	10.3	330	2.88	1.6	0.2	45.5	0.6	45	<0.1	<0.1	<0.1	50	0.38	0.070
7840 1800	Soil	0.2	22.3	6.7	53	0.1	24.3	13.2	334	2.50	2.0	0.7	1.4	1.0	91	0.1	0.3	0.1	63	1.00	0.038
7850 1800	Soil	0.8	44.2	7.5	93	0.2	28.4	20.1	1476	3.03	6.5	0.4	1.3	1.1	146	0.3	0.3	0.1	62	1.34	0.149
7860 1800	Soil	0.6	28.3	6.0	54	<0.1	26.0	14.8	767	2.50	3.2	0.6	1.0	1.2	86	0.1	0.2	0.1	59	0.70	0.042
7870 1800	Soil	0.3	22.9	6.0	60	<0.1	24.3	12.0	349	2.14	2.0	0.5	1.1	1.2	66	<0.1	<0.1	0.1	52	0.59	0.079
7880 1800	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7890 1800	Soil	0.4	30.4	4.9	24	<0.1	25.8	11.0	291	1.58	2.3	1.1	1.4	0.7	208	0.1	0.2	<0.1	54	3.74	0.037
7900 1800	Soil	0.3	24.6	5.1	47	<0.1	28.7	12.3	363	2.20	1.8	0.6	1.5	1.0	82	0.1	<0.1	<0.1	58	0.90	0.033
7700 1800	Soil	0.2	19.1	4.9	72	<0.1	43.9	16.7	650	3.55	1.6	0.6	0.7	0.9	31	<0.1	0.2	0.1	65	0.61	0.040
7710 1800	Soil	0.2	13.1	4.3	69	<0.1	39.1	15.7	546	3.14	1.4	0.5	<0.5	0.8	31	<0.1	0.3	<0.1	61	0.53	0.034
7720 1800	Soil	0.3	13.2	4.0	55	<0.1	33.3	13.1	430	2.98	2.4	0.3	2.4	0.8	34	<0.1	0.3	<0.1	65	0.44	0.059
7730 1800	Soil	0.2	15.7	4.8	85	<0.1	48.5	16.1	624	3.21	1.5	0.5	95.0	0.9	36	<0.1	0.3	<0.1	58	0.60	0.050
7740 1800	Soil	0.2	13.8	4.3	74	<0.1	40.9	14.8	578	3.12	1.4	0.5	7.5	0.9	34	0.1	0.3	<0.1	57	0.54	0.056
7750 1800	Soil	0.2	18.9	4.9	101	0.2	67.0	19.6	647	3.85	1.0	0.4	5.3	0.9	31	<0.1	<0.1	<0.1	64	0.61	0.065
7760 1800	Soil	0.2	13.0	4.0	76	0.1	32.8	10.3	381	2.62	1.1	0.3	1.0	0.8	38	0.1	0.1	<0.1	56	0.42	0.045

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Project: None Given
Report Date: August 27, 2010
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CERTIFICATE OF ANALYSIS SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
7760 1550	Soil	7	36	1.27	133	0.086	<20	2.18	0.014	0.17	<0.1	0.01	5.5	<0.1	<0.05	7	<0.5	<0.2
7770 1550	Soil	16	42	1.08	126	0.094	<20	2.31	0.023	0.10	<0.1	0.02	7.6	<0.1	<0.05	7	0.6	<0.2
7780 1550	Soil	5	25	0.53	109	0.123	<20	1.75	0.019	0.14	<0.1	<0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
7790 1550	Soil	8	24	0.59	162	0.077	<20	1.81	0.019	0.19	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
7800 1550	Soil	12	34	0.75	139	0.140	<20	2.11	0.027	0.16	<0.1	0.01	5.4	<0.1	<0.05	6	<0.5	<0.2
7810 1550	Soil	11	32	0.76	159	0.121	<20	2.18	0.021	0.21	<0.1	0.02	4.6	<0.1	<0.05	6	0.7	<0.2
7820 1550	Soil	13	32	0.75	191	0.125	<20	2.04	0.014	0.21	<0.1	0.04	4.9	<0.1	<0.05	7	<0.5	<0.2
7830 1550	Soil	16	32	0.97	173	0.143	<20	2.29	0.021	0.13	<0.1	0.02	5.7	<0.1	<0.05	7	0.8	<0.2
7840 1550	Soil	12	38	1.15	141	0.112	<20	2.25	0.033	0.11	<0.1	0.02	6.0	<0.1	<0.05	8	<0.5	<0.2
7850 1550	Soil	14	50	1.10	100	0.207	<20	2.74	0.026	0.13	<0.1	<0.01	6.9	<0.1	<0.05	8	<0.5	<0.2
7860 1550	Soil	6	35	0.55	105	0.173	<20	1.79	0.021	0.18	<0.1	0.02	4.6	<0.1	<0.05	6	0.5	<0.2
7870 1550	Soil	4	27	0.41	87	0.168	<20	1.33	0.028	0.09	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
7880 1550	Soil	5	36	0.65	85	0.159	<20	1.61	0.020	0.14	<0.1	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
7890 1550	Soil	8	24	0.66	123	0.079	<20	1.61	0.018	0.16	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
7900 1550	Soil	9	29	0.78	80	0.084	<20	1.77	0.018	0.18	<0.1	<0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
7840 1800	Soil	8	28	0.95	73	0.185	<20	2.11	0.018	0.07	0.2	0.03	3.8	<0.1	<0.05	7	<0.5	<0.2
7850 1800	Soil	11	24	0.93	98	0.114	<20	2.17	0.009	0.10	<0.1	0.04	3.3	0.3	<0.05	7	<0.5	<0.2
7860 1800	Soil	10	31	0.66	112	0.162	<20	1.90	0.016	0.12	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
7870 1800	Soil	6	37	0.61	93	0.164	<20	1.86	0.018	0.14	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
7880 1800	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
7890 1800	Soil	8	31	0.60	91	0.079	<20	1.32	0.038	0.04	<0.1	0.07	3.1	<0.1	0.10	4	0.6	<0.2
7900 1800	Soil	9	42	0.69	106	0.151	<20	1.82	0.019	0.14	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
7700 1800	Soil	11	41	1.52	77	0.244	<20	2.10	0.009	0.14	<0.1	0.01	4.1	<0.1	<0.05	7	<0.5	<0.2
7710 1800	Soil	9	42	1.32	93	0.227	<20	1.91	0.010	0.13	<0.1	<0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
7720 1800	Soil	4	39	1.07	83	0.167	<20	1.70	0.009	0.13	<0.1	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
7730 1800	Soil	10	46	1.62	108	0.203	<20	2.31	0.009	0.15	<0.1	0.01	4.1	<0.1	<0.05	8	<0.5	<0.2
7740 1800	Soil	8	40	1.32	111	0.203	<20	1.90	0.010	0.18	<0.1	<0.01	3.6	<0.1	<0.05	7	<0.5	0.2
7750 1800	Soil	10	47	2.10	145	0.085	<20	3.00	0.010	0.12	<0.1	0.01	4.8	<0.1	<0.05	10	<0.5	<0.2
7760 1800	Soil	5	32	0.91	108	0.110	<20	1.94	0.014	0.15	<0.1	<0.01	3.1	<0.1	<0.05	7	<0.5	<0.2

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.

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Project: None Given
Report Date: August 27, 2010
Page: 1 of 3 Part 1

QUALITY CONTROL REPORT SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
6720 4200	Soil	0.3	13.9	4.4	78	<0.1	28.3	8.2	425	3.42	3.8	0.4	<0.5	0.9	36	<0.1	0.2	<0.1	82	0.36	0.041
REP 6720 4200	QC	0.3	13.4	4.3	76	<0.1	25.7	7.4	395	3.22	3.4	0.4	<0.5	0.8	36	<0.1	0.2	<0.1	72	0.36	0.037
6200 4300	Soil	0.3	9.5	3.2	60	<0.1	15.0	5.9	272	2.54	1.6	0.2	<0.5	0.8	33	<0.1	<0.1	<0.1	75	0.28	0.029
REP 6200 4300	QC	0.3	9.5	3.3	62	<0.1	15.6	6.2	271	2.59	1.5	0.2	1.7	0.8	34	<0.1	<0.1	<0.1	76	0.28	0.029
6460 4300	Soil	0.4	11.8	4.1	133	<0.1	13.4	4.0	419	2.24	2.9	0.1	<0.5	0.6	30	<0.1	0.3	<0.1	64	0.32	0.039
REP 6460 4300	QC	0.4	11.8	4.0	131	<0.1	12.4	4.6	409	2.30	3.0	0.1	2.1	0.6	29	<0.1	0.3	<0.1	63	0.31	0.041
6460 4400	Soil	0.3	10.5	3.5	89	<0.1	14.7	6.7	459	2.43	1.9	0.2	<0.5	0.6	32	<0.1	0.1	<0.1	72	0.28	0.049
REP 6460 4400	QC	0.4	10.5	3.6	89	<0.1	14.4	6.6	460	2.40	2.0	0.2	<0.5	0.7	31	<0.1	0.1	<0.1	68	0.28	0.050
6540 4100	Soil	0.4	14.4	3.8	69	<0.1	27.4	11.9	462	3.57	2.5	0.4	<0.5	1.0	33	<0.1	0.2	<0.1	108	0.40	0.037
REP 6540 4100	QC	0.4	14.5	3.7	67	<0.1	27.3	11.7	460	3.56	2.4	0.4	<0.5	1.0	31	<0.1	0.2	<0.1	105	0.38	0.036
7000 4100	Soil	0.4	16.9	3.1	115	<0.1	37.9	10.5	628	2.75	2.1	0.5	<0.5	1.0	37	0.1	0.1	<0.1	51	0.49	0.070
REP 7000 4100	QC	0.4	16.7	3.4	114	<0.1	40.4	11.4	708	2.92	2.4	0.2	<0.5	0.9	37	<0.1	0.2	<0.1	55	0.49	0.067
7830 1450	Soil	0.3	33.0	6.4	71	<0.1	28.5	15.4	1037	3.32	1.7	0.4	0.6	0.9	77	0.2	<0.1	0.1	58	0.96	0.125
REP 7830 1450	QC	0.4	32.7	6.8	72	<0.1	29.0	16.2	1066	3.44	1.7	0.3	0.9	0.8	75	0.2	<0.1	<0.1	59	0.94	0.120
7870 1650	Soil	0.4	26.3	4.1	55	<0.1	25.4	10.0	617	2.41	2.0	0.4	<0.5	0.9	59	0.2	0.1	<0.1	62	0.57	0.099
REP 7870 1650	QC	0.4	25.6	4.1	54	<0.1	24.9	9.9	621	2.42	2.0	0.4	<0.5	1.0	58	0.2	0.1	<0.1	60	0.56	0.096
7820 1550	Soil	0.5	38.4	7.7	72	<0.1	31.2	13.2	1101	3.01	3.7	0.4	2.1	0.8	110	0.3	0.2	0.1	60	1.13	0.073
REP 7820 1550	QC	0.5	37.0	7.2	68	<0.1	31.9	13.6	1044	2.96	3.5	0.4	2.3	0.8	105	0.3	0.1	<0.1	61	1.09	0.073
7870 1800	Soil	0.3	22.9	6.0	60	<0.1	24.3	12.0	349	2.14	2.0	0.5	1.1	1.2	66	<0.1	<0.1	0.1	52	0.59	0.079
REP 7870 1800	QC	0.4	21.1	5.7	60	<0.1	23.5	12.1	354	2.13	2.0	0.4	<0.5	1.2	67	0.2	<0.1	<0.1	53	0.58	0.082
Reference Materials																					
STD DS7	Standard	21.0	101.9	69.6	389	1.0	57.8	9.8	618	2.34	47.0	4.4	69.3	4.0	65	5.8	4.7	4.3	88	0.89	0.070
STD DS7	Standard	21.1	100.8	66.5	390	0.9	57.0	9.9	624	2.41	45.9	4.3	57.6	3.9	69	5.9	4.6	4.3	92	0.91	0.072
STD DS7	Standard	21.7	100.5	67.7	389	0.9	58.4	9.8	616	2.41	44.5	4.6	68.5	4.0	72	6.0	4.5	4.2	90	0.93	0.072
STD DS7	Standard	22.2	124.0	67.1	407	1.0	59.5	9.7	667	2.51	60.2	4.9	59.8	4.7	77	7.2	5.7	4.8	88	1.00	0.082
STD DS7	Standard	20.6	115.8	69.0	406	0.9	54.7	9.4	624	2.40	59.5	4.8	58.2	4.9	69	6.7	5.9	4.9	84	0.94	0.084
STD DS7	Standard	23.7	111.3	73.9	432	1.1	59.1	9.9	725	2.78	58.5	5.1	68.3	4.6	86	6.3	6.0	5.1	97	1.10	0.091
STD DS7	Standard	22.2	97.2	68.3	396	1.1	53.6	9.0	622	2.38	52.7	4.6	57.1	4.3	67	6.6	5.2	4.6	82	0.92	0.078

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Project: None Given
Report Date: August 27, 2010
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QUALITY CONTROL REPORT SMI10000357.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
6720 4200	Soil	6	48	0.32	142	0.149	<20	1.12	0.016	0.13	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
REP 6720 4200	QC	6	45	0.31	145	0.149	<20	1.14	0.016	0.12	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
6200 4300	Soil	3	35	0.35	77	0.104	<20	1.15	0.021	0.08	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
REP 6200 4300	QC	3	36	0.35	79	0.104	<20	1.17	0.019	0.08	<0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
6460 4300	Soil	2	27	0.27	89	0.072	<20	0.95	0.018	0.14	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 6460 4300	QC	3	27	0.26	90	0.072	<20	0.94	0.017	0.14	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
6460 4400	Soil	3	31	0.34	94	0.109	<20	1.27	0.016	0.09	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
REP 6460 4400	QC	3	30	0.34	93	0.108	<20	1.24	0.014	0.09	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
6540 4100	Soil	6	47	0.81	57	0.153	<20	1.58	0.013	0.10	<0.1	0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
REP 6540 4100	QC	6	47	0.80	59	0.150	<20	1.56	0.013	0.10	<0.1	0.01	4.6	<0.1	<0.05	6	<0.5	<0.2
7000 4100	Soil	7	62	0.52	202	0.064	<20	1.63	0.011	0.20	<0.1	0.01	5.8	<0.1	<0.05	6	<0.5	<0.2
REP 7000 4100	QC	7	62	0.58	196	0.068	<20	1.58	0.011	0.19	<0.1	0.01	5.6	<0.1	<0.05	6	<0.5	<0.2
7830 1450	Soil	16	29	1.06	140	0.012	<20	2.33	0.007	0.19	<0.1	0.04	3.8	<0.1	<0.05	8	<0.5	<0.2
REP 7830 1450	QC	15	31	1.07	134	0.012	<20	2.34	0.007	0.19	<0.1	0.03	4.1	<0.1	<0.05	8	<0.5	<0.2
7870 1650	Soil	8	42	0.57	108	0.147	<20	1.53	0.018	0.27	<0.1	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
REP 7870 1650	QC	7	42	0.56	112	0.150	<20	1.51	0.019	0.26	<0.1	0.01	4.6	<0.1	<0.05	4	<0.5	<0.2
7820 1550	Soil	13	32	0.75	191	0.125	<20	2.04	0.014	0.21	<0.1	0.04	4.9	<0.1	<0.05	7	<0.5	<0.2
REP 7820 1550	QC	12	34	0.84	187	0.125	<20	2.30	0.014	0.20	<0.1	0.05	5.0	<0.1	<0.05	7	<0.5	<0.2
7870 1800	Soil	6	37	0.61	93	0.164	<20	1.86	0.018	0.14	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
REP 7870 1800	QC	6	38	0.62	92	0.164	<20	1.82	0.018	0.14	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	11	214	1.06	411	0.106	35	0.97	0.086	0.49	3.6	0.25	2.0	4.1	0.19	5	3.3	1.3
STD DS7	Standard	11	206	1.03	408	0.101	40	0.98	0.092	0.48	3.5	0.23	2.0	4.2	0.19	5	3.2	1.4
STD DS7	Standard	11	218	1.06	405	0.105	42	1.00	0.098	0.47	3.3	0.22	2.0	4.0	0.21	5	3.2	0.9
STD DS7	Standard	13	186	1.07	428	0.143	40	1.11	0.110	0.48	3.5	0.22	2.8	3.9	0.16	5	3.5	0.8
STD DS7	Standard	12	171	1.03	415	0.126	35	1.01	0.098	0.47	3.4	0.22	2.5	4.2	0.21	5	3.3	1.0
STD DS7	Standard	15	207	1.14	444	0.152	48	1.17	0.118	0.55	4.0	0.24	3.1	4.0	0.17	5	4.0	0.7
STD DS7	Standard	12	182	1.05	406	0.112	37	1.01	0.097	0.47	3.5	0.22	2.1	4.0	0.20	5	3.6	1.1

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Project: None Given
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QUALITY CONTROL REPORT SMI10000357.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD DS7	Standard	20.1	99.2	59.0	375	0.8	56.4	9.5	594	2.26	53.3	4.0	49.9	3.4	60	6.3	4.8	4.2	79	0.88	0.077
STD DS7	Standard	21.0	106.5	68.9	401	1.0	55.8	9.4	651	2.41	55.6	4.8	139.0	4.5	72	6.2	4.9	4.8	87	0.94	0.076
STD DS7	Standard	23.1	107.5	64.0	430	1.0	59.4	10.1	679	2.52	50.9	4.4	63.8	3.8	78	6.3	5.1	4.4	88	1.04	0.090
STD DS7	Standard	25.5	132.4	73.4	459	1.1	64.1	10.6	690	2.66	62.0	5.0	58.4	4.9	83	7.7	5.6	5.2	96	1.04	0.087
STD DS7	Standard	20.4	103.0	67.0	397	1.0	60.3	9.6	653	2.61	54.8	4.7	60.7	4.8	77	6.8	5.6	4.8	82	0.96	0.082
STD OREAS45PA	Standard	1.0	592.6	17.2	109	0.3	271.3	115.3	1029	15.78	3.9	1.1	51.1	6.3	12	<0.1	0.2	0.2	241	0.22	0.028
STD OREAS45PA	Standard	0.9	542.1	16.6	108	0.3	251.6	94.4	986	14.78	3.6	1.0	47.7	6.0	12	<0.1	0.1	0.2	230	0.21	0.027
STD OREAS45PA	Standard	1.0	581.7	16.8	111	0.3	267.4	102.1	996	15.41	4.1	1.1	52.6	6.1	12	<0.1	0.2	0.2	234	0.21	0.027
STD OREAS45PA	Standard	1.0	647.9	19.4	123	0.3	300.8	112.8	1116	17.37	5.4	1.2	57.1	6.9	15	0.1	0.2	0.2	208	0.24	0.036
STD OREAS45PA	Standard	1.1	584.6	17.9	113	0.3	267.3	99.9	1037	15.92	5.2	1.1	44.5	6.3	14	<0.1	0.2	0.2	188	0.23	0.034
STD OREAS45PA	Standard	1.2	516.2	19.3	118	0.3	278.8	103.8	1110	17.04	5.1	1.2	51.1	6.6	17	0.1	0.1	0.2	211	0.26	0.035
STD OREAS45PA	Standard	1.0	573.7	19.2	110	0.3	262.5	100.6	1089	15.95	5.0	1.2	47.8	6.8	14	<0.1	0.1	0.2	214	0.23	0.032
STD OREAS45PA	Standard	1.1	645.2	16.6	113	0.3	288.0	107.1	1057	15.59	4.4	1.0	46.2	5.4	12	<0.1	0.2	0.2	222	0.23	0.034
STD OREAS45PA	Standard	0.9	610.9	18.8	114	0.3	275.6	101.2	1091	16.18	5.2	1.2	44.0	6.9	14	<0.1	0.1	0.2	217	0.23	0.033
STD OREAS45PA	Standard	1.2	630.9	16.2	122	0.3	286.4	110.4	1144	17.33	4.3	1.0	50.3	5.7	13	<0.1	0.2	0.2	239	0.25	0.038
STD OREAS45PA	Standard	1.1	657.0	21.3	127	0.3	318.0	116.0	1082	17.03	4.6	1.3	54.8	7.2	19	0.1	0.2	0.2	203	0.24	0.034
STD OREAS45PA	Standard	1.1	542.8	18.6	114	0.3	270.9	97.5	978	17.33	5.5	1.0	50.8	6.3	14	<0.1	0.2	0.2	205	0.23	0.037
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
STD OREAS45PA Expected		0.9	600	19	119	0.3	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	0.5	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	1.0	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	0.5	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Client: **Sunburst Exploration**
709 837 West Hastings St.
Vancouver BC V6C 3N6 Canada

Project: None Given
Report Date: August 27, 2010

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QUALITY CONTROL REPORT SMI10000357.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
STD DS7	Standard	10	170	0.97	381	0.104	34	0.91	0.083	0.45	3.6	0.21	2.0	3.8	0.21	4	2.9	0.8
STD DS7	Standard	13	184	1.03	421	0.117	39	1.02	0.095	0.47	3.5	0.22	2.2	4.2	0.20	5	3.3	1.0
STD DS7	Standard	12	233	1.15	463	0.113	37	1.13	0.122	0.53	3.5	0.22	2.1	4.3	0.17	5	3.6	1.4
STD DS7	Standard	14	205	1.17	450	0.149	34	1.14	0.107	0.55	3.4	0.23	3.0	4.5	0.25	5	3.6	1.5
STD DS7	Standard	12	181	1.06	438	0.132	44	1.04	0.101	0.48	3.6	0.23	2.5	3.9	0.17	5	3.4	0.5
STD OREAS45PA	Standard	14	861	0.08	158	0.105	<20	2.67	0.007	0.07	<0.1	0.03	35.8	<0.1	<0.05	16	0.8	<0.2
STD OREAS45PA	Standard	14	793	0.08	158	0.096	<20	2.43	0.007	0.06	<0.1	0.03	33.1	<0.1	<0.05	16	<0.5	<0.2
STD OREAS45PA	Standard	14	865	0.08	151	0.102	<20	2.65	0.008	0.07	<0.1	0.03	34.4	<0.1	<0.05	15	0.6	<0.2
STD OREAS45PA	Standard	16	817	0.11	180	0.160	<20	3.33	0.013	0.08	<0.1	0.02	45.5	<0.1	<0.05	17	0.7	<0.2
STD OREAS45PA	Standard	15	721	0.10	168	0.137	<20	2.80	0.012	0.07	<0.1	0.03	42.6	<0.1	<0.05	16	0.7	0.2
STD OREAS45PA	Standard	17	703	0.12	193	0.144	<20	3.24	0.011	0.07	<0.1	0.05	47.9	<0.1	<0.05	17	0.8	0.3
STD OREAS45PA	Standard	15	823	0.10	174	0.122	<20	3.17	0.010	0.07	<0.1	0.04	37.5	<0.1	<0.05	17	0.7	<0.2
STD OREAS45PA	Standard	14	833	0.09	171	0.121	<20	2.93	0.010	0.07	<0.1	0.03	36.3	<0.1	<0.05	16	0.9	0.2
STD OREAS45PA	Standard	16	829	0.10	187	0.132	<20	3.40	0.010	0.08	<0.1	0.02	39.2	<0.1	<0.05	17	0.7	<0.2
STD OREAS45PA	Standard	15	933	0.09	174	0.114	<20	3.44	0.011	0.08	<0.1	0.06	35.8	<0.1	<0.05	18	1.1	<0.2
STD OREAS45PA	Standard	17	791	0.12	185	0.138	<20	3.25	0.013	0.08	<0.1	0.03	47.2	<0.1	<0.05	17	0.5	<0.2
STD OREAS45PA	Standard	15	672	0.11	175	0.144	<20	3.10	0.014	0.08	<0.1	0.02	42.4	0.1	<0.05	16	0.7	<0.2
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	3	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Client: **Sunburst Exploration**
709 837 West Hastings St.
Vancouver BC V6C 3N6 Canada

Project: None Given
Report Date: August 27, 2010
Page: 3 of 3 Part 1

QUALITY CONTROL REPORT SMI10000357.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Client: **Sunburst Explorations Inc.**
Suite 709 - 837 W. Hastings St.
Vancouver BC V6C 3N6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Vancouver
Received: September 27, 2010
Report Date: October 20, 2010
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN10004971.1

CLIENT JOB INFORMATION

Project: Merit
Shipment ID:
P.O. Number
Number of Samples: 35

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
SS80	35	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	35	Dry at 60C			VAN
1DX2	34	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Sunburst Explorations Inc.
Suite 709 - 837 W. Hastings St.
Vancouver BC V6C 3N6
Canada

CC: Don Mac Intyre

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG GENERAL MANAGER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
*** 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: Merit
Report Date: October 20, 2010

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QUALITY CONTROL REPORT VAN10004971.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
4600 6300	Soil	4	49	0.46	223	0.150	2	1.42	0.030	0.06	<0.1	0.23	5.5	<0.1	<0.05	5	<0.5	<0.2
REP 4600 6300	QC	4	45	0.44	207	0.137	2	1.33	0.033	0.04	<0.1	0.23	5.2	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	184	0.98	400	0.131	33	0.96	0.101	0.44	3.7	0.23	2.6	4.0	0.20	5	3.2	1.4
STD DS7	Standard	12	193	0.93	354	0.115	35	0.93	0.092	0.43	3.5	0.21	2.4	3.6	0.20	4	3.0	1.2
STD DS7	Standard	13	204	1.06	409	0.126	38	1.05	0.107	0.47	3.6	0.22	2.7	4.1	0.16	5	4.4	0.7
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Project: Merit
Report Date: October 20, 2010

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QUALITY CONTROL REPORT VAN10004971.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
4600 6300	Soil	0.5	27.1	4.4	64	<0.1	33.1	10.8	267	4.07	7.0	0.4	<0.5	1.0	47	<0.1	0.8	<0.1	129	0.31	0.039
REP 4600 6300	QC	0.6	26.4	4.2	60	<0.1	32.0	10.1	253	3.84	7.0	0.3	1.5	0.9	46	<0.1	0.8	<0.1	118	0.28	0.038
Reference Materials																					
STD DS7	Standard	20.6	102.3	70.6	394	1.0	52.4	8.5	605	2.29	50.7	5.1	69.3	4.9	81	6.3	6.4	4.8	80	0.92	0.075
STD DS7	Standard	19.1	99.1	62.0	352	0.9	51.7	8.7	560	2.15	45.4	4.4	58.9	4.2	70	5.3	5.2	4.1	75	0.84	0.068
STD DS7	Standard	20.2	105.1	63.9	389	0.9	53.6	9.3	623	2.36	51.4	4.5	71.4	4.4	76	5.8	5.7	4.3	81	0.91	0.076
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Project: Merit
Report Date: October 20, 2010

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CERTIFICATE OF ANALYSIS VAN10004971.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
4800 6320	Soil	20	59	0.32	188	0.052	4	1.92	0.017	0.06	<0.1	0.02	10.6	<0.1	<0.05	6	0.6	<0.2	
4800 6340	Soil	8	46	0.38	251	0.124	2	1.68	0.035	0.06	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2	
4800 6360	Soil	9	46	0.51	440	0.153	3	2.17	0.030	0.04	<0.1	0.08	6.7	<0.1	<0.05	7	<0.5	<0.2	
4800 6380	Soil	12	45	0.56	224	0.133	3	2.00	0.027	0.13	<0.1	0.04	7.1	<0.1	<0.05	6	<0.5	<0.2	
4800 6400	Soil	12	44	0.52	152	0.124	3	1.69	0.030	0.13	<0.1	0.04	6.7	<0.1	<0.05	5	<0.5	<0.2	

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CERTIFICATE OF ANALYSIS VAN10004971.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
4800 6320	Soil	0.5	29.6	4.5	76	<0.1	48.5	12.7	234	4.46	13.3	0.5	0.6	1.8	42	<0.1	1.4	<0.1	108	0.42	0.051
4800 6340	Soil	0.5	16.4	5.1	77	<0.1	33.6	10.0	230	3.55	3.8	0.3	2.7	0.8	46	<0.1	0.8	<0.1	95	0.40	0.032
4800 6360	Soil	0.5	20.5	5.9	91	<0.1	38.8	11.6	316	4.10	4.0	0.5	1.4	1.5	49	0.1	0.5	<0.1	114	0.50	0.022
4800 6380	Soil	0.5	25.4	4.6	90	<0.1	41.4	12.4	560	3.70	4.3	0.5	0.7	1.4	51	0.1	0.2	<0.1	94	0.62	0.054
4800 6400	Soil	0.5	24.2	3.9	64	<0.1	37.1	11.3	443	3.46	5.0	0.4	2.7	1.3	61	<0.1	0.3	<0.1	89	0.55	0.045

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.

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Report Date: October 20, 2010
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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
4600 6200	Soil	0.3	11.9	3.7	41	<0.1	21.5	7.5	205	2.55	1.2	0.3	4.1	0.7	38	<0.1	0.2	<0.1	74	0.29	0.022
4600 6220	Soil	0.3	25.2	3.4	57	<0.1	43.6	14.4	377	3.64	7.7	0.4	1.3	1.3	60	<0.1	0.3	<0.1	95	0.54	0.103
4600 6240	Soil	0.4	19.0	3.8	50	<0.1	27.7	9.0	197	3.15	6.3	0.3	<0.5	0.9	41	<0.1	0.4	<0.1	89	0.34	0.032
4600 6260	Soil	0.3	13.3	3.8	63	<0.1	21.5	7.2	258	2.55	4.0	0.3	<0.5	0.8	29	<0.1	0.4	<0.1	73	0.24	0.022
4600 6280	Soil	0.5	18.6	4.1	53	<0.1	26.7	8.2	195	3.15	4.9	0.3	1.3	0.9	44	<0.1	0.5	<0.1	90	0.38	0.033
4600 6300	Soil	0.5	27.1	4.4	64	<0.1	33.1	10.8	267	4.07	7.0	0.4	<0.5	1.0	47	<0.1	0.8	<0.1	129	0.31	0.039
4600 6320	Soil	0.3	29.8	3.2	124	<0.1	38.5	16.0	446	4.26	13.7	0.3	7.3	1.4	38	<0.1	0.2	<0.1	98	0.60	0.135
4600 6340	Soil	0.2	22.4	4.5	64	<0.1	29.9	11.6	190	2.66	4.0	0.9	1.9	1.6	67	<0.1	0.2	<0.1	66	0.58	0.035
4600 6360	Soil	0.2	13.9	4.4	59	<0.1	21.9	7.6	206	2.35	1.7	0.5	0.7	1.1	52	<0.1	0.1	<0.1	66	0.47	0.035
4600 6380	Soil	0.3	16.7	2.8	88	<0.1	22.9	6.9	332	2.25	2.6	0.2	<0.5	0.7	42	0.2	<0.1	<0.1	56	0.44	0.070
4600 6400	Soil	0.4	14.9	2.9	70	<0.1	23.7	11.5	365	2.16	2.5	0.4	2.6	1.0	43	<0.1	0.1	<0.1	55	0.44	0.095
4700 6200	Soil	0.3	9.7	3.8	56	<0.1	15.8	6.0	395	1.76	1.0	0.3	<0.5	0.7	40	<0.1	<0.1	<0.1	46	0.33	0.038
4700 6220	Soil	0.3	11.3	4.2	56	<0.1	13.7	6.1	254	2.14	1.1	0.3	0.5	0.9	41	<0.1	<0.1	<0.1	59	0.30	0.042
4700 6240	Soil	0.3	18.3	4.0	44	<0.1	23.5	9.7	343	2.86	1.7	0.4	2.4	1.2	56	<0.1	0.1	<0.1	81	0.47	0.042
4700 6260	Soil	0.2	10.2	4.2	53	<0.1	16.5	6.6	288	2.25	0.9	0.3	0.8	0.8	39	0.1	<0.1	<0.1	65	0.34	0.024
4700 6280	Soil	0.4	16.2	4.8	64	<0.1	24.5	9.9	565	2.89	1.5	0.4	1.1	1.0	55	<0.1	0.1	<0.1	83	0.45	0.041
4700 6300	Soil	0.2	21.7	4.1	68	<0.1	35.3	13.5	440	3.08	2.6	0.7	4.4	1.0	68	<0.1	0.2	<0.1	83	0.69	0.071
4700 6320	Soil	0.2	15.4	3.8	49	<0.1	25.3	8.8	260	2.75	2.8	0.4	0.8	1.2	43	<0.1	0.2	<0.1	73	0.36	0.027
4700 6340	Soil	0.3	30.4	3.1	53	<0.1	34.9	9.6	186	3.60	10.4	0.3	7.3	1.3	31	<0.1	0.3	<0.1	86	0.31	0.057
4700 6360	Soil	0.4	21.0	3.6	53	<0.1	27.7	8.9	276	3.16	6.6	0.3	<0.5	0.9	36	<0.1	0.4	<0.1	83	0.33	0.031
4700 6380	Soil	0.4	17.7	3.4	70	<0.1	31.0	7.4	253	3.39	6.1	0.2	3.7	1.0	32	<0.1	0.2	<0.1	66	0.32	0.076
4700 6400	Soil	0.5	16.1	3.3	55	<0.1	26.4	8.4	211	3.40	5.0	0.2	2.5	0.7	36	<0.1	0.3	<0.1	78	0.32	0.030
4700 6420	Soil	0.7	22.6	4.1	68	0.1	28.2	10.3	398	3.55	7.8	0.3	8.5	0.8	51	0.1	0.8	<0.1	105	0.47	0.022
4700 6440	Soil	0.4	14.1	4.2	89	<0.1	18.2	7.2	323	2.99	2.4	0.4	1.8	1.2	50	<0.1	0.2	<0.1	82	0.40	0.049
4800 6200	Soil	0.3	12.6	4.5	45	<0.1	17.4	6.6	242	2.80	1.1	0.3	1.1	0.9	57	<0.1	0.1	<0.1	78	0.36	0.036
4800 6220	Soil	0.4	18.8	5.1	54	<0.1	33.7	11.2	303	3.86	2.3	0.5	3.6	1.2	62	<0.1	0.2	<0.1	106	0.43	0.038
4800 6240	Soil	0.3	21.6	5.3	85	<0.1	39.7	12.7	857	3.28	2.4	0.6	1.7	1.3	54	0.2	0.2	<0.1	79	0.56	0.070
4800 6260	Soil	0.3	18.7	5.0	45	<0.1	26.7	8.8	358	2.99	2.1	0.4	2.2	1.5	55	0.1	0.2	<0.1	68	0.55	0.026
4800 6280	Soil	0.5	18.4	4.4	48	<0.1	32.4	10.0	221	3.63	5.2	0.4	6.7	1.0	32	<0.1	0.5	<0.1	89	0.32	0.048
4800 6300	Soil	0.4	18.8	3.8	67	<0.1	34.8	8.9	239	3.40	7.7	0.3	1.7	1.3	37	<0.1	0.5	<0.1	72	0.42	0.041

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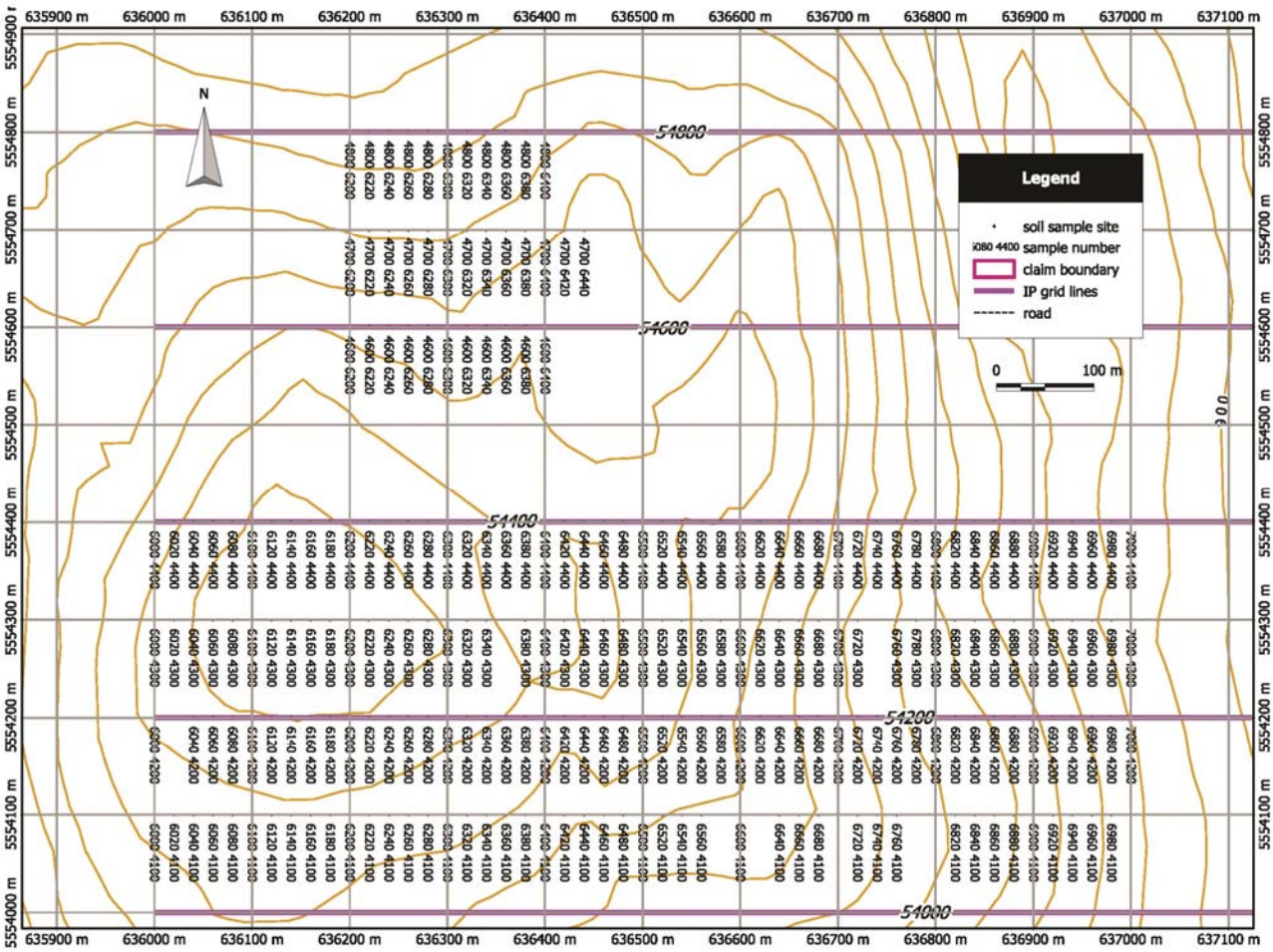
CERTIFICATE OF ANALYSIS VAN10004971.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
4600 6200	Soil	3	47	0.55	84	0.154	<1	1.38	0.023	0.05	<0.1	0.04	3.0	<0.1	<0.05	5	<0.5	<0.2
4600 6220	Soil	11	60	0.89	89	0.116	5	1.95	0.016	0.15	<0.1	0.06	6.4	<0.1	<0.05	6	<0.5	0.3
4600 6240	Soil	7	46	0.42	106	0.106	1	1.30	0.016	0.04	<0.1	0.05	3.9	<0.1	<0.05	4	<0.5	0.2
4600 6260	Soil	4	36	0.31	119	0.119	2	1.12	0.021	0.05	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
4600 6280	Soil	5	42	0.42	130	0.131	2	1.41	0.020	0.06	<0.1	0.06	3.9	<0.1	<0.05	4	<0.5	<0.2
4600 6300	Soil	4	49	0.46	223	0.150	2	1.42	0.030	0.06	<0.1	0.23	5.5	<0.1	<0.05	5	<0.5	<0.2
4600 6320	Soil	22	42	0.42	160	0.031	4	1.92	0.011	0.13	<0.1	<0.01	11.6	<0.1	<0.05	6	<0.5	0.3
4600 6340	Soil	11	44	0.75	118	0.119	2	2.12	0.032	0.05	<0.1	0.04	6.4	<0.1	<0.05	6	<0.5	<0.2
4600 6360	Soil	8	36	0.55	71	0.115	2	1.61	0.024	0.09	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
4600 6380	Soil	4	33	0.36	86	0.079	2	1.15	0.017	0.11	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
4600 6400	Soil	6	24	0.90	85	0.149	2	2.16	0.015	0.12	<0.1	0.02	4.3	<0.1	<0.05	8	<0.5	<0.2
4700 6200	Soil	3	27	0.54	67	0.133	<1	1.48	0.023	0.10	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
4700 6220	Soil	3	28	0.45	69	0.147	1	1.35	0.034	0.08	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
4700 6240	Soil	8	45	0.73	87	0.159	2	1.93	0.029	0.06	<0.1	0.04	4.8	<0.1	<0.05	6	<0.5	<0.2
4700 6260	Soil	4	32	0.52	78	0.164	1	1.69	0.024	0.08	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
4700 6280	Soil	8	40	0.81	81	0.188	2	2.25	0.030	0.08	<0.1	0.03	5.1	<0.1	<0.05	7	<0.5	<0.2
4700 6300	Soil	8	66	1.52	89	0.220	2	3.07	0.024	0.10	<0.1	0.03	6.3	<0.1	<0.05	11	<0.5	<0.2
4700 6320	Soil	7	40	0.52	81	0.139	2	1.63	0.036	0.08	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
4700 6340	Soil	12	60	0.37	81	0.026	4	1.30	0.011	0.08	<0.1	0.02	6.7	<0.1	<0.05	5	<0.5	<0.2
4700 6360	Soil	9	50	0.41	109	0.061	3	1.29	0.016	0.05	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
4700 6380	Soil	11	42	0.12	102	0.011	3	0.93	0.006	0.09	<0.1	0.02	4.0	<0.1	<0.05	3	<0.5	<0.2
4700 6400	Soil	7	37	0.23	150	0.056	3	1.12	0.017	0.07	<0.1	0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
4700 6420	Soil	6	42	0.50	253	0.142	5	1.63	0.030	0.07	<0.1	0.20	4.9	<0.1	<0.05	5	<0.5	0.3
4700 6440	Soil	6	33	0.46	142	0.151	2	1.68	0.029	0.10	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
4800 6200	Soil	4	33	0.53	75	0.188	1	1.43	0.027	0.09	<0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
4800 6220	Soil	6	53	0.96	81	0.211	1	2.15	0.028	0.06	<0.1	0.03	5.1	<0.1	<0.05	7	<0.5	<0.2
4800 6240	Soil	11	51	1.26	146	0.169	2	2.74	0.031	0.06	<0.1	0.03	5.6	<0.1	<0.05	9	<0.5	<0.2
4800 6260	Soil	14	41	0.63	125	0.147	3	2.05	0.028	0.08	<0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
4800 6280	Soil	4	51	0.54	93	0.150	3	1.27	0.027	0.06	<0.1	0.06	3.8	<0.1	<0.05	5	<0.5	<0.2
4800 6300	Soil	11	51	0.35	167	0.057	4	1.85	0.025	0.07	<0.1	0.02	6.9	<0.1	<0.05	6	<0.5	<0.2

18 Appendix E. Sample location maps

18.1 Anomaly A



18.2 Anomaly C