

BC Geological Survey
Assessment Report
34392



SERENGETI
RESOURCES INC.

ASSESSMENT REPORT

including

Soil Sampling and Prospecting

on the

FLEET PROPERTY

**OMINECA MINING DIVISION,
British Columbia
NTS: 94D/09 & 16
Latitude 56°39' N, Longitude 126°7' W**

**Prepared for Operators:
SERENGETI RESOURCES INC
1700-750 West Pender Street
Vancouver, BC, Canada V6C 2T8**

**By:
H. CLARKE, B.A.,
24 October, 2013
Vancouver, B.C.**

Table of Contents

| | |
|--|----|
| List of Tables | 1 |
| List of Figures | 1 |
| List of Appendices | 1 |
| (1) Introduction and Terms of Reference | 2 |
| (2) Property Description and Location | 2 |
| (3) 2013 Work Program..... | 2 |
| (4) Accessibility, Local Resources, Infrastructure, Climate and Physiography | 6 |
| (5) Geology..... | 6 |
| (6) History..... | 9 |
| (7) Sample Collection Methodology | 12 |
| (8) Results Discussion | 13 |
| (9) Exploration Target Summary..... | 14 |
| (10) Recommendations..... | 15 |

List of Tables

Table 1 – Detailed Claim Information

List of Figures

- Figure 1 – Property Location
- Figure 2 – Fleet Property Claim Details
- Figure 3 – Property Wide Geology Map
- Figure 4 –Property Wide Geochemical Compilation

List of Appendices

- Appendix A - Expenditure Statement
- Appendix B - Geologist’s Certificate
- Appendix C - Field Notes and Samples Lists
- Appendix D – Maps of Sample Locations and Results (Rocks, B Soils, Ah Soils)
- Appendix E - Analytical Certificates and Procedures

(1) Introduction and Terms of Reference

Serengeti Resources Inc. (Serengeti) acquired the Fleet claims by staking between April 2004 and 2009. The property was staked based on government stream samples and historical drill results indicating the potential for a porphyry Cu system on the property. The property lies in the perspective Quesnel Trough, between the Kemess North Underground Mine (currently at feasibility stage), located 50 km to the northwest, and the Thompson Creek Mt. Milligan deposit (due to reach full commercial production in 2014), located 200 km to the southeast. In order to follow up on porphyry Cu target areas identified between 2008-2011 work completed by Serengeti, Serengeti financed a \$33,385 geological and geochemical reconnaissance program (Appendix A), which was conducted from July 28th – August 5th, 2013. A total of 111 Ah soil samples, 51 B-horizon soil samples and 30 rock samples were collected and analyzed in 2013. The program covered areas that include the Nik target, the Redgold target and the valley bottom target area between the two, along the Nik-Redgold NW linear.

See MEMPR assessment report #31136 for detailed information on work completed during 2008 by Serengeti, including; prospecting, rock sampling, soil sampling, and Induced Polarization (IP) surveying. See MEMPR assessment report #32738 for detailed information on work completed during 2011 by Serengeti, including; prospecting, rock sampling and soil sampling.

(2) Property Description and Location

The Fleet property, 100% owned by Serengeti Resources Inc., lies in the northern reaches of the Quesnel Trough, located in British Columbia, Canada (Figure 1) approximately 215 km NE of Smithers, 235 km NW of MacKenzie. The 9 contiguous mineral claims which comprise the Fleet property cover an area of 3005 hectares (Figure 2). The property is located in the Omineca Mining Division at 56° 39' north latitude and 126° 7' west longitude. Additional information regarding the individual claims can be referenced in Table 1.

(3) 2013 Work Program

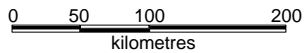
The most recent work completed by Serengeti in 2013 included a complete review of existing data and targets in order to cost-effectively plan a comprehensive field program consisting of geochemical and geological surveys (30 rock samples, 51 B-horizon soils, 111 Ah Soils). The program covered areas that include the Nik target, the Redgold target and the valley bottom target area between the two, along the Nik NW linear.

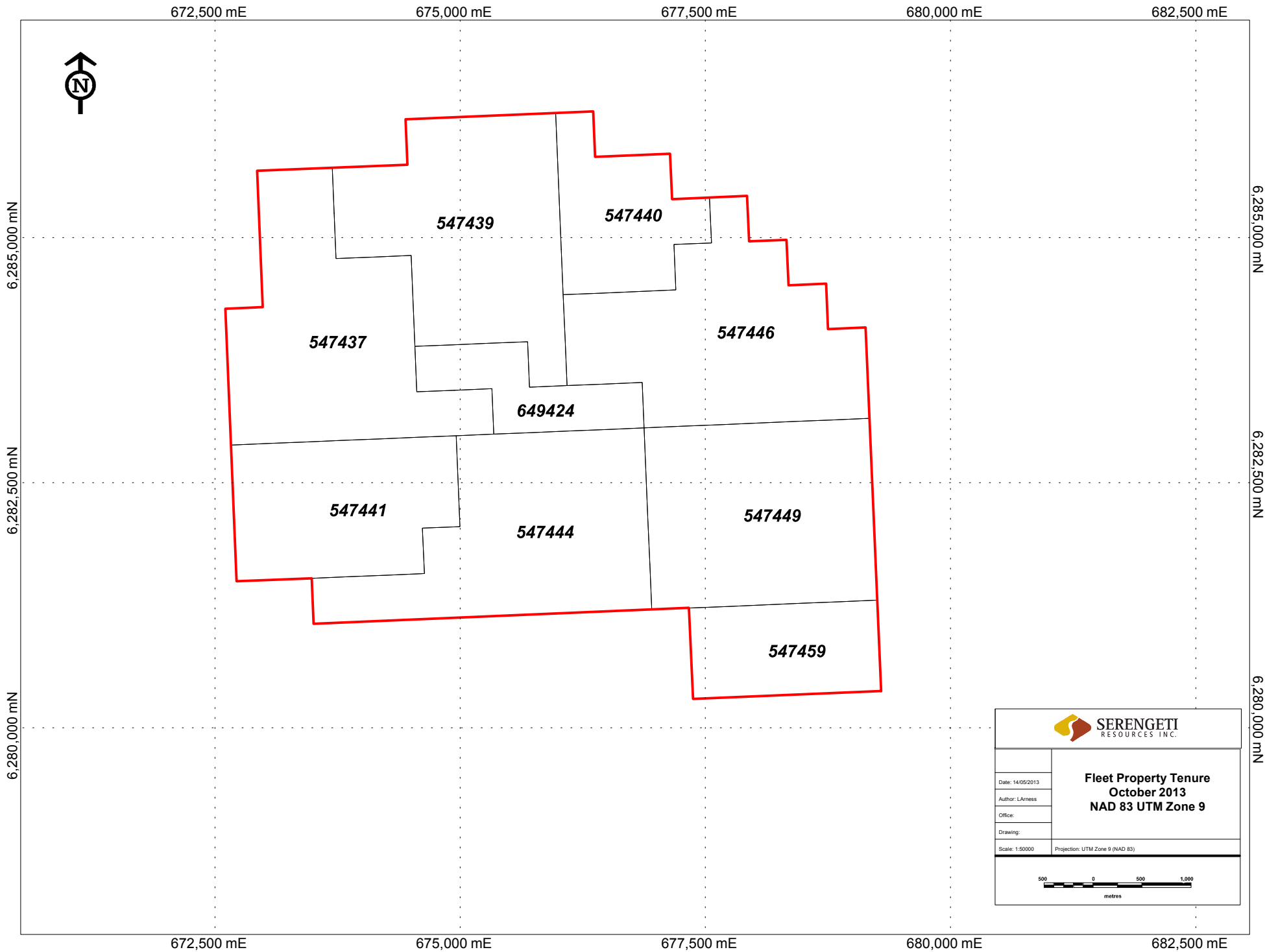


Fleet Property

Serengeti Resources

FLEET PROPERTY LOCATION MAP





SIR Fleet Property Tenure
October 2013

| <i>Project</i> | <i>Tenure #</i> | <i>Claim Name</i> | <i>Hectares</i> | <i>Expiry Date</i> | <i>NTS</i> | <i>Record Date</i> | <i>Mining Division</i> | <i>Owner</i> |
|----------------|-----------------|-------------------|-----------------|--------------------|------------|--------------------|------------------------|--------------|
| FLEET | 547437 | Fleet 17 | 444.4245 | 26-Jun-2015 | 094D070 | 14-Dec-2006 | OMENICA | SIR |
| FLEET | 547439 | Fleet 19 | 444.3117 | 26-Jun-2015 | 094D070 | 14-Dec-2006 | OMENICA | SIR |
| FLEET | 547440 | Fleet 20 | 195.4989 | 26-Jun-2015 | 094D070 | 14-Dec-2006 | OMENICA | SIR |
| FLEET | 547441 | Fleet 21 | 302.3554 | 26-Jun-2015 | 094D070 | 14-Dec-2006 | OMENICA | SIR |
| FLEET | 547444 | Fleet 22 | 444.683 | 26-Jun-2015 | 094D070 | 14-Dec-2006 | OMENICA | SIR |
| FLEET | 547446 | Fleet 23 | 444.4729 | 26-Jun-2015 | 094D070 | 14-Dec-2006 | OMENICA | SIR |
| FLEET | 547449 | Fleet 24 | 426.8846 | 26-Jun-2015 | 094D070 | 14-Dec-2006 | OMENICA | SIR |
| FLEET | 547459 | Fleet 25 | 177.9266 | 26-Jun-2015 | 094D070 | 14-Dec-2006 | OMENICA | SIR |
| FLEET | 649424 | FLEET 36 | 124.4682 | 26-Jun-2015 | 094D070 | 9-Oct-2009 | OMENICA | SIR |

9 **claims** **3005.0258**

(4) Accessibility, Local Resources, Infrastructure, Climate and Physiography

Access to the Fleet property can be obtained via the Omineca Mining Road that accesses the Kemess Mine. Parts of the property are accessible via a network of historical mineral exploration roads. The remainder of the northwestern portion of the property is accessible via helicopter. The property is located 50 km southeast of the Kemess mine and 240 km north of MacKenzie (Figure 1). The property is within 5 km of the Kemess Mine high voltage power lines. Other local resources which can be derived from MacKenzie include skilled fabricators, welders and excavators. The infrastructure within the Fleet property consists of a historical mineral exploration road network in the southern region of the property.

The only available climate data for this region was derived from the Ministry of Environment's MacKenzie BC weather station (Climate ID: 1184790). The corresponding thirty year dataset for this location indicates a peak average monthly temperature of 22 °C in July and an average monthly low of -15.5 °C in January. The region receives an average of 258.3 mm of rainfall and 325.5 cm of snowfall annually. At this relatively early stage, exploration on the property is confined to a June to November field season, but given its good road accessibility, year-round work is possible.

The topography of the property is variable, consisting of wide glacially eroded valleys which truncate against moderate to steeply dipping valley walls. Till and glacial-fluvial overburden blanket the valley bottom, thinning along the valley walls into eventual bedrock outcroppings. The vegetation on the property is best characterized by that of the sub boreal spruce biogeoclimatic zone which grades into grasslands/wetlands along the valley bottoms.

(5) Geology

The Fleet property lies in the northern part of the Upper Triassic to Lower Jurassic Quesnellia Terrane. The term Quesnel Trough is commonly applied to this belt, which is comprised of a belt of Lower Mesozoic volcanic rocks and intrusions that lies between highly deformed Proterozoic and Paleozoic strata to the east, and deformed Upper Paleozoic strata to the west (Garnett, 1978). The Quesnel Trough is the host of numerous alkalic and calc-alkalic porphyry copper-gold deposits within British Columbia.

Property Geology

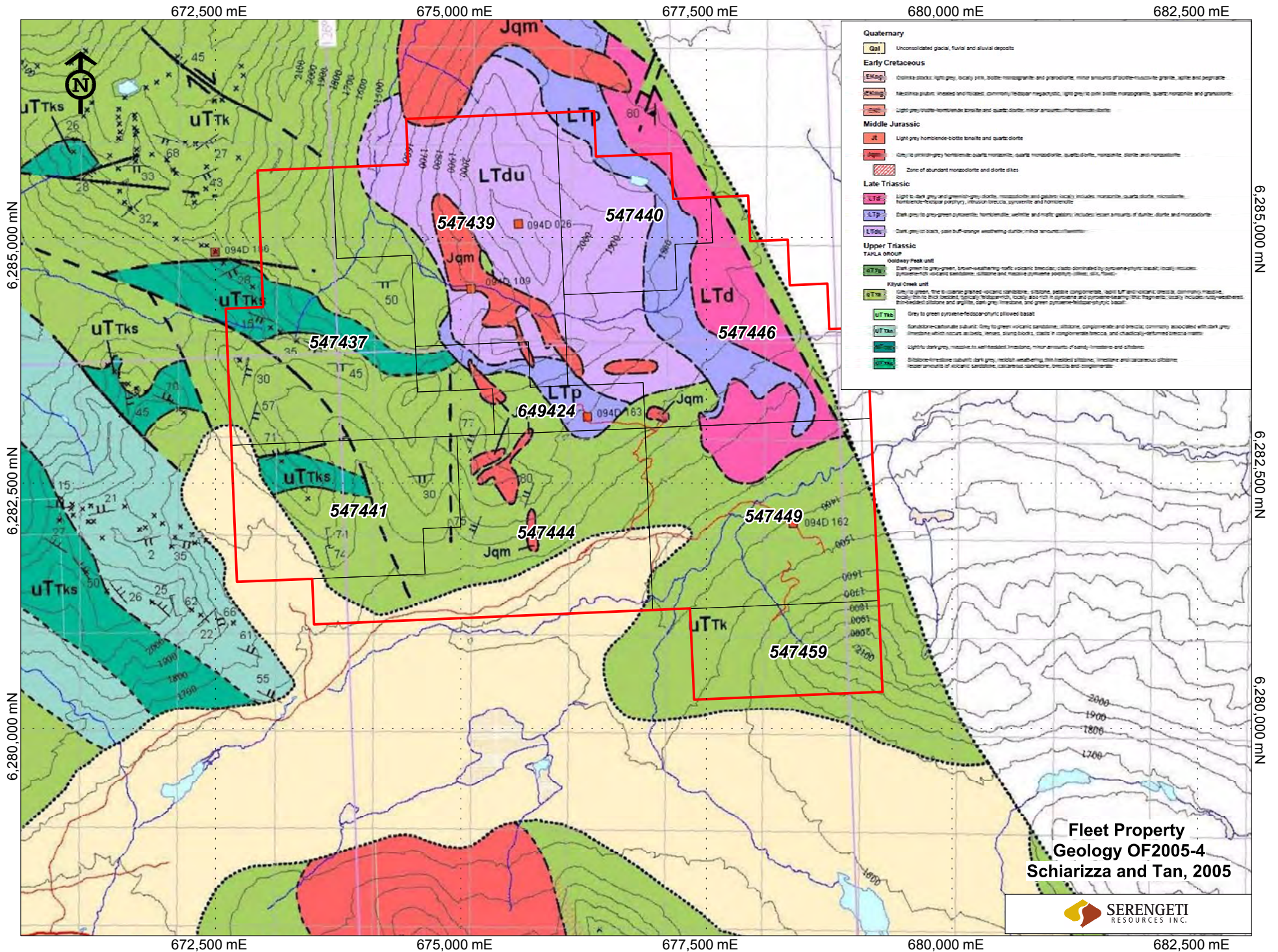
The Fleet property has been mapped by the British Columbia Geological Survey (BCGS Open File 2005-4, Schiarizza and Tan, 2005) and in detail by BP minerals during their exploration programs from 1976-1986. The property is underlain by several volcanic, volcanoclastic, and sedimentary lithologies, including: i) volcanic and volcanoclastic units of the Upper Triassic Takla Group, ii) variably metamorphosed sandstones, siltstone, conglomerates and limestones of the Proterozoic Ingenika sediments, and iii) lithic tuffs, breccias and pillow lavas of the Pennsylvanian Lay Range Volcanic Group. These volcanic and sedimentary packages have been intruded by several felsic to ultramafic lithologies.

The majority of the Fleet property is characterized by the intrusion of numerous Early Jurassic granitic to dioritic bodies from the Melville, Lehto, and Fleet Peak Plutons, as well several other plugs and dykes of varying compositions.

The Nik area is dominated by the intrusion of the Upper Triassic Wrede Creek Ultramafic Complex into Takla volcanics. BCGS and BP geologists have described this unit as an Alaskan-type ultramafic intrusive complex, exhibiting a crude concentric zonation, progressing outward from a dunite core to a pyroxenite rim. The complex forms a northwest trending elongate body that is exposed over a 2 km x 5 km area. The Nik fault bounds the complex to the West and several northwest trending faults bound the complex to the East. The southern margin of the complex is in intrusive contact with the Takla volcanics, where hornfelsing of the volcanics has formed amphibolite.

Copper-molybdenum mineralization is associated with the intrusion of hornblende-diorite dykes into the Wrede Creek Complex. Sulphide mineralization consists of pyrite, chalcopyrite, pyrrhotite and molybdenite. Sulphides are disseminated and fracture-controlled and occur in both the hornblende-diorite dykes and the host rocks, which include pyroxenites of the Wrede Creek Complex and amphibolites of the Takla Volcanic Group. The intrusive hornblende-diorite is observed in drill core as up to decimetre size dykes and may indicate the presence of a larger calc-alkaline intrusive body in the immediate vicinity.

In the Redgold area, gold-copper mineralization occurs in a series of narrow, sheeted quartz+k-feldspar veins occurring at 240/50. Mineralization consists of chalcopyrite, bornite, and chrysocolla. The quartz veins are hosted in augite-rich Takla Volcanics.



(6) History

The potential for porphyry style mineralization was in the area of the Fleet property was first recognized in the mid 1970's. BP Minerals first noted the intense structural preparation and strong copper-molybdenum stream sediment and soil anomalies that attracted geological interest to the area. Regional mapping and prospecting noted that pyrite (up to 10%) and minor chalcopyrite were found to occur in several intrusive complexes in and around what is now the Fleet property, with the mineralization occurring in both intrusive and contact rocks. In the south end of the property, small massive sulphide (magnetite, pyrite, pyrrhotite, chalcopyrite) lenses were found within serpentinized peridotite.

The initial wave of exploration in the area led to the discovery of several Cu+/-Mo+/-Au porphyry style showings, including the Shred, Nik, and Redgold showings, as well as the adjacent Red and Hat showings. The Nik, Shred and Redgold showings were explored by BP minerals from 1976-1978 and later in 1986. Exploration included prospecting, soil sampling, trenching, deep overburden drilling, diamond drilling and geophysical surveys. BP carried out property-wide multi-element soil sampling in 1976-77 identifying the Nik and Redgold target areas.

A compilation of past work and results continues to yield a primary target area at the project; the Nik-Redgold target.

The **Nik showing** was the subject of the most intense exploration activity by BP. In 1976, BP drilled a fence of 5 diamond drill holes totaling 655 m. Drilling encountered disseminated and fracture controlled chalcopyrite and molybdenite hosted in peridotites (of the Wrede Creek Complex) and hornblende-diorites. No assays for these holes were recorded in the assessment records. In 1977 and 1978, BP drilled 2700 m in 81 percussion holes in the vicinity of the showing. The majority of these holes were drilled to 25-35 m depth and they encountered similar lithologies and sulphide mineralization as the 1976 drilling. No assays for the percussion holes were recorded in the assessment records. Also from 1977-1978, BP drilled 13 more diamond drill holes, of which 3 were reported for assessment purposes (AR07451). Holes NDH-16 and NDH-18 encountered strongly anomalous Cu and Mo mineralization over significant widths, including 0.18% Cu over 54.9 m in hole NDH-16 and 0.24% Cu over 15.2 m in hole NDH-17. In total, 3000 m of diamond drilling was carried out in 18 holes in the vicinity of the Nik showing. At the northwest end of the target trend (Nik Showing), in 2008 Serengeti sampled well mineralized intrusive talus samples (diorite dike material with disseminated chalcopyrite 2-3% grading 8,800 ppm Cu) and anomalous stream sediment samples (333 ppm Cu in streams), indicating the target may be either open to the northwest or the boulders possibly be sourced from the above target area. These samples indicate that the geochemical trend is open to the north and northwest.

While the majority of the exploration focused on defining porphyry Cu+/-Mo targets, in 1986, BP Minerals returned to the property to evaluate the Au, Pt, Pd, Ni potential of the Wrede Creek Ultramafic Complex. The 1976-77 BP soil samples were subsequently reanalyzed in 1986 in order to identify a precious metal potential for the property. The results of the soil sampling did not yield any potential for PGE or Ni; however, it did highlight a series of largely open ended Cu and Mo in soil anomalies on the

west and southwestern side of the Wrede Creek Complex. The results indicated Cu and Mo anomalies were unaccompanied by elements such as Ag, Pb, Zn, Cd or Au (AR15194).

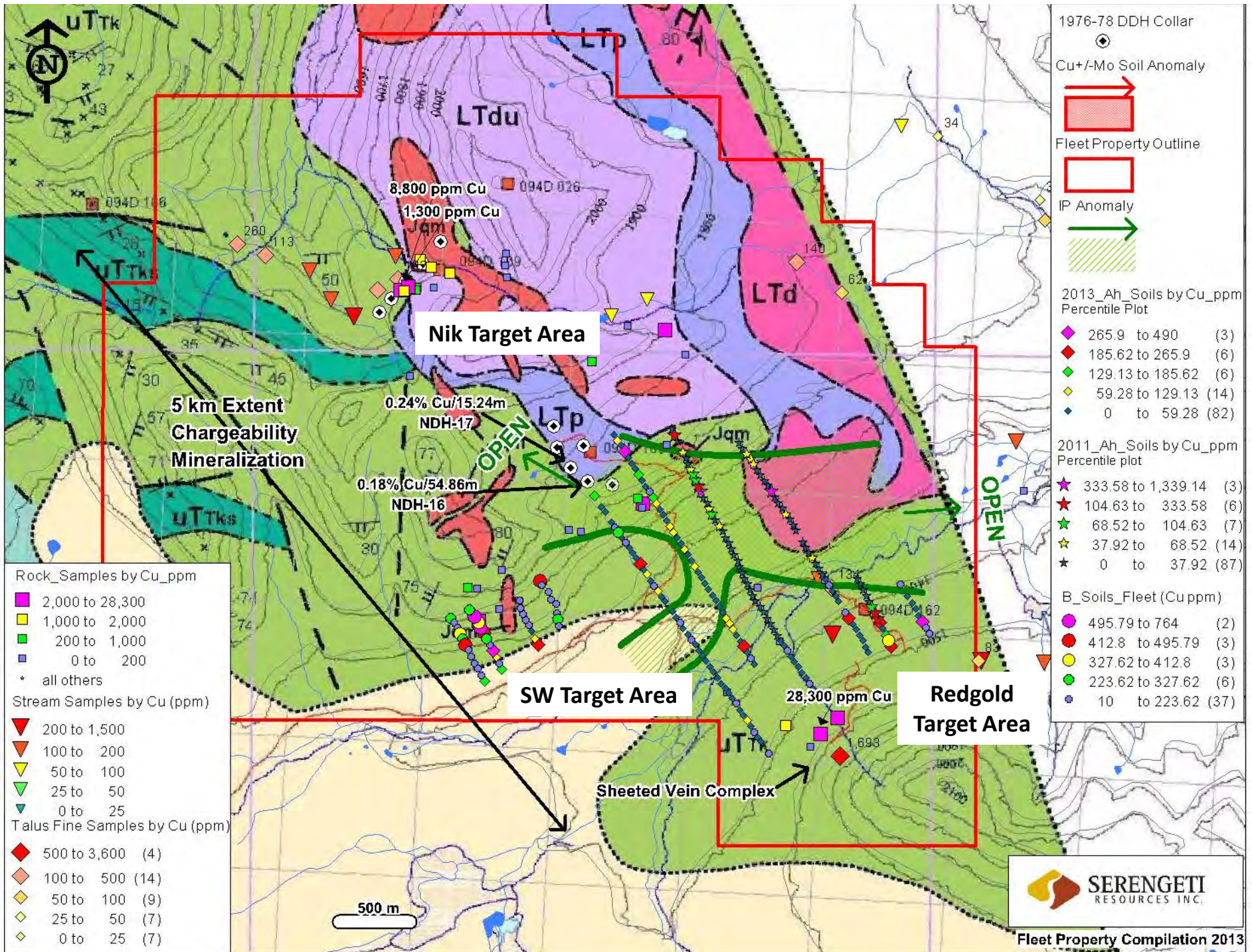
The **Redgold showing** was discovered by BP Minerals during prospecting in 1976 and 1977. The showing was initially identified by a geochemically anomalous overburden signature in soil sampling. In 1978, BP carried out an overburden drilling and trenching program to define a source of the anomalous overburden. Trenching indicated that the area was underlain by Takla Group volcanics and several small felsic intrusives. Molybdenite and chalcopyrite showings were found occurring within narrow quartz veins in sheared volcanics. BP decided that there was little potential for porphyry mineralization in the Redgold area and the property was later dropped. No further work was done until the mid-1990's when Consolidated North Coast Industries Ltd. acquired the property. In 1995, Consolidated North carried out a geophysical survey in the covered valley bottom. The survey outlined several +15 msec IP anomalies. The report on the geophysical surveys concluded that there were several porphyry style drill targets in the survey area, however, there is no record of any of them being tested.

In 2007, Geo Data Solution Inc. flew a heli-borne magnetic and radiometric survey over the entire property (Walcott, 2007; ARIS # 29768) on behalf of Serengeti. The purpose of the survey was to define intrusive bodies and any potential alteration systems that are commonly associated with porphyry style deposits.

In 2008, Serengeti completed a regional geophysical and geochemical reconnaissance program (MEMPR Assessment Report #31136), which was conducted within a two month span from August to September, 2008. A total of 28 stream sediment, 26 rock, 29 talus fine, 38 MMI and 68 hand samples were collected. A geophysical survey followed up areas of interest identified during the reconnaissance program. The survey was conducted by Peter E. Walcott and Associates and consisted of a 13 line km of ground Induced Polarization (IP) and magnetic survey. The 2008 geophysical survey defined an open ended chargeability anomaly (18-25 mV/V) that has a strike length of at least 1500 m and is 800 m wide. The northwest trending geophysical signature is partially located in a valley bottom, potentially indicating a covered sulfide system. The relationship of the narrow, mineralized quartz veins of the Redgold showing and the northwest trending IP anomaly is unknown at this time; however, the veins trend at 240/50, indicating a potential source at the IP anomaly location.

In 2011 Serengeti completed a work program in the covered valley bottom between the Nik and Redgold target areas that was to a) provide a geological context for the Cu-Mo mineralization observed in the drilling and soil sampling results, and b) complete Ah soil sampling over the covered IP chargeability anomaly on IP lines L800 E and L1200 E. Ah soil samples collected indicate a strong Cu+Mo in soil anomaly over several hundred meters on the northern half of lines 800 E and 1200 E. The Cu results include a broad zone of 40 ppm to 1,339 ppm Cu. The Mo results include a coincident zone of 10 ppm to 48 ppm Mo. In Serengeti's experience with the Ah sampling method, both +40 ppm Cu and +10 ppm Mo are considered strongly anomalous Ah soil results. In addition, the presence of several +100 ppm Cu and +20 ppm Mo results within the anomalous region indicates a very robust anomaly.

Figure 4 illustrates the relative location of the Nik and Redgold target areas, in addition to giving an overview of the targets.



(7) Sample Collection Methodology

In order to test for the geochemical signature of a covered mineral deposit, a total of 51 B-horizon soils and 111 Ah Soil samples were taken. Each soil sample was collected at 50 m spacing from locations that were assessed to have undisturbed profiles. In addition, 30 rock samples were collected and sent to Acme Labs for analysis. See Appendix D for detailed sample location maps, sample identifications, and the most important analytical results.

Sample type, Ah or B horizon sample, was determined depending on the particular biogeoclimatic conditions at the sample site, i.e. Ah sample if well-developed Ah horizon or B horizon soil sample if no developed Ah horizon.

Ah Soil Sample Collection

Ah soil samples were collected by geologists and field technicians in accordance with guidelines for sampling outlined by David Heberlein in his Geoscience BC Report 2010-03. The procedure was as follows: Prior to collecting the samples, sampling equipment was brushed to eliminate residue from previous samples and was flushed with soils from the new sample area. Ah samples were collected from several spots around the sample site so as to ensure they were not contaminated with material from other soil horizons. Sampling was completed by hand or with a small garden trowel by peeling back the top layer of moss and leaf litter as to expose the black decomposing material at the mineral soil interface. Approximately 400 grams of material was placed in a Kraft waterproofed paper sample bag to allow it to breathe and to prevent decomposition prior to arrival at the laboratory.

The Ah soil samples were packaged by the field staff on site and shipped via a local expediting company to Acme Labs prep facility in Smithers, British Columbia. Samples were air dried at 35 °C to 40 °C and digested in an aqua regia solution. Acme Labs modified aqua regia digestion (Acme Code 1F05-15g sample, 1F04- 0.5g sample) utilizes a 1:1:1 HCl:HNO₃:H₂O combination to achieve ultra-low detection limits for ICP-MS analysis.

B Horizon Soil Sample Collection

B soil samples were collected by geologists and field technicians in accordance with guidelines for sampling outlined by David Heberlein in his Geoscience BC Report 2010-08. The procedure was as follows: Prior to collecting the samples, sampling equipment was brushed to eliminate residue from previous samples and was flushed with soils from the new sample area. At each site a 20 by 20 centimetre hole was excavated down to the B and occasionally the C horizon to expose the complete soil profile. Sampling was completed by hand or with a small garden trowel from the upper B horizon. Approximately 600 grams of material was placed in a Kraft waterproofed paper sample bag to allow it to breathe and to prevent decomposition prior to arrival at the laboratory.

The B soil samples were packaged by the field staff on site and shipped via a local expediting company to Acme Labs prep facility in Smithers, British Columbia. Samples were dried at 60 °C, sieved to a -80 mesh and digested in an aqua regia solution. Acme Labs modified aqua regia digestion (Acme Code 1F02) utilizes a 1:1:1 HCl:HNO₃:H₂O combination to achieve ultra-low detection limits for ICP-MS analysis.

Analytical results for all samples collected are shown in the Certificates of Analysis in Appendix E.

(8) Results Discussion

The 2013 program focused on refining targets along the 5 km Nik and Redgold trend, (Figure 4). The results will be described by location/target area: Nik (NW), Valley bottom chargeability target SW geochemical target and Redgold target. Figure 4 illustrates the 2013 results over compilations of the important historical work and targets.

i) Nik Target Area

The purpose of the 2013 work program in the Nik target area was to a) provide a geological context for the Cu-Mo mineralization observed in the 1978 drilling and to follow-up on high grade samples taken in the northwest in 2008 by Serengeti. Work completed on the Nik target area included geological mapping, prospecting and rock sampling.

A total of 16 rock samples were taken, 13 in the cirque in the vicinity of the 1976 drilling and 3 along the E-W trending ridge to the north of the 1978 drilling. The maximum Cu value sampled was 1.2 % Cu, 185 ppb Au, 9 g/t Ag in a strongly altered, magnetic ultramafic talus boulder. The next four samples returned average 0.17 % Cu in altered diorite- quartz diorite talus boulders. Prospecting in the **Nik target** area in the vicinity of the 1978 BP drilling that identified Cu and Mo mineralization returned a 2,060 ppm Cu, 400 ppm Mo sample of weathered intrusive float with disseminated py-cpy along strike of hole NDH-16.

ii) Valley Bottom and Redgold Target Area

Serengeti's work programs in 2008 and 2011 and BP's exploration programs identified a an open ended geochemical and chargeability anomaly (18-25 mV/V) that has a strike length of at least 1400 m and is 800 m wide. The northwest trending geophysical signature is partially located in a valley bottom, potentially indicating a covered sulfide system.

Soil sampling completed in 2011 over the covered IP chargeability anomaly on IP lines L800 E and L1200 E indicated a strong Cu+Mo in soil anomaly over several hundred meters on the northern half of lines 800 E and 1200 E. The Cu results include a broad zone of 40 ppm to 1,339 ppm Cu (Appendix D). The Mo results include a coincident zone of 10 ppm to 48 ppm Cu (Appendix D).

The 2013 program was planned to extend the sampling coverage to the south east and west to cover the remainder of the IP anomaly present in this covered valley bottom target. Two of the NW-SE lines extended as far as the 1978 drill collar locations. Work included geological mapping, prospecting, soil and rock sampling.

A total of 19 B-horizon soil samples and 104 Ah-horizon samples were taken over this target area. It is noted that the primary sample type over this target area is Ah given the nature of the valley bottom cover and the preference for this sample medium over this type of overburden. However, B horizon soil was selected as sample medium on occasions where Ah layer is undeveloped. Results from the Ah samples returned a maximum value of 489 ppm Cu, 312.4 ppm Mo, 1,206 g/t Ag within a range averaging 51.61 ppm Cu, 21.7 ppm Mo, 0.28 g/t Ag (104 samples).

Results from the B horizon samples returned a maximum value of 368 ppm Cu, 48.71 ppm Mo, 0.79 g/t Ag within a range averaging 78.24 ppm Cu, 15.66 ppm Mo, 0.19 g/t Ag (19 Samples),

Overall the more anomalous soil samples occur in the upper sides of the valley and less so along the valley bottom. This may be due to an increased overburden thickness at this point or in fact the anomalism is highlighting the geological intrusive contacts that exist in this area.

Rock samples returned two significantly anomalous float samples with 1.4 % Cu, 270 ppb Au, 33 g/t Ag in quartz-feldspar vein and 0.1 % Cu hematite stained intrusive float sample. Both were from the Redgold target area, other rock samples from the covered valley bottom area returned Cu values within the 40 – 100 ppm range and are not deemed significantly anomalous.

iii) SW Target Area

The SW target area was highlighted by a multielement soil anomaly by BP in 1976-77 and again by re-analysis of the samples in 1986. In 2013, this area was covered by a series of Ah/B soil samples at 50 m spacing and a total of 32 B-horizon samples and 7 Ah samples. The northwestern end of the sample grid was limited by reaching steep, exposed bedrock and the southeastern limit was defined by the presence of the access road.

Samples returned significant anomalism in soil geochemistry that is open to the SW. It is possible that the source of this anomalism is locally derived from the ridge to the north west of the sample grid.

One rock sample returned 0.26 % Cu, 105 ppb Au, 462 ppm Mo in quartz vein float material. Results from the B horizon samples returned a maximum value of 763 ppm Cu, 51.79 ppm Mo, 0.59 g/t Ag within a range averaging 199 ppm Cu, 11.7 ppm Mo, 0.25 g/t Ag (32 Samples).

(9) Exploration Target Summary

The 2013 program has delineated targets for additional IP work and future diamond drilling.

The most compelling target on the Fleet Property is the Nik-Redgold target area. This target is defined by a 5km by 2km open ended area of geochemical and geophysical anomalism that may indicate a potential mineralization source at depth.

It is recommended that follow up work on the Nik-Redgold target should include additional soil sampling, Induced Polarization surveying, and mapping/prospecting and subsequent diamond drilling.

The 1986 soil grid should be extended to the southwest in order to fully define the open ended Cu and Mo soil anomaly. Geophysical surveys should be undertaken to further define and extend the northwest trending chargeability anomaly to the south of the Nik showing. Additionally, the north end of the geochemically anomalous trend should be followed up by mapping/prospecting and additional stream and rock sampling.

Based on the results of the geochemical and geophysical studies on the Fleet property to date, it is recommended that this strongly anomalous target be drill tested. Drill ready targets include the valley bottom IP anomaly-multi-element geochemical anomaly, deeper drilling of the NW Nik target area (to date tested to 150 m) and further investigation into the source for the multielement anomalism in soils over the SW soil grid.

(10) Recommendations

A prospective trend of chargeability and geochemical anomalism is anchored by sub-ore grade drill intersections, highlighting the potential for a porphyry Cu+/-Mo+/-Au deposit to occur within the target area. The combined exploration programs have outlined a northwest trending area of *open-ended* geochemical and geophysical anomalism that measures *5 km long and at least 2 km in width*

In summary, the strong Cu+Mo in soil anomaly, in conjunction with the IP chargeability responses, high grade rock samples and broad intervals of strongly anomalous Cu mineralization observed in drill core, indicate potential to host a bulk-tonnage Cu+/-Mo mineralized system. Serengeti believes that the Fleet property contains a number of excellent targets for follow up IP and drill testing.

It is recommended that several of the targets be covered by additional geological mapping, soil geochemical surveys, Induced Polarization (IP) surveys and followed-up with 1000 m diamond drilling to test the geochemical/geophysical targets.

Appendix A – Expenditure Statement and Work Expiry Date Change

Fleet Property - Cost Statement - July-August 2013 Work

Dates worked: 28th July - 2nd August, 4th August- 5th August 2013
8 days total
Claims worked: 547437, 547439, 547440, 547441, 547444, 547446, 547449, 547459, 649424

Staff:

Senior Project Geologist - 9 days at \$450/day \$ 4,050.00
Junior Geologist - 8 days at \$300/day \$ 2,700.00

Field Assistants 2 Employees, 16 man days @ \$250 pr day incl. EI, CPP \$ 4,000.00
1 N. Abraham
2 T. Williams

Camp Costs (Johanson Lake):

Groceries and camp supplies \$ 912.72

Truck Rental:

10 days x 2 vehicles daily rate \$120/day \$ 2,400.00
Fuel (Diesel, Gas) \$ 558.00

Helicopter:

AS350 B2 - 1.5 Hours @ \$2069/hr wet \$ 3,103.50

Samples:

Ah Soil Samples: 111 Samples @ \$25/sample \$ 2,775.00
B Horizon Samples: 52 samples @ \$25/sample \$ 1,300.00
Rock Samples: 30 samples @ \$25/sample \$ 750.00

Report preparation:

2 days @ \$450/day \$ 850.00

Sub Total

\$ 23,399.22

Admin (10%)

\$ 2,339.92

Total

\$ 25,739.14

Add PAC (30%)

\$ **33,460.88**

Appendix B – Geologist's Certificate

GEOLOGIST'S CERTIFICATE

I, Hilary C. Clarke of #1331 West Georgia Street, Vancouver, in the province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am Serengeti Resources Inc.'s Senior Project Geologist.
2. THAT I am a 2004 graduate of Trinity College Dublin with an Honours BA.
3. THAT I have practised in the field of Geosciences since my graduation from University.
4. THAT this report is based on fieldwork carried out on July 8th to 19th September, 2013, by Hilary Clarke and staff of Serengeti Resources Inc.
5. THAT this report was written by myself under the supervision and direction of David W. Moore, President and CEO of Serengeti Resources Inc. and a Professional Geoscientist (P. Geo) registered and in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (#28163).

DATED at Vancouver, British Columbia this 18th day of October, 2013.

Hilary C. Clarke, B.A. (Hons.)



David W. Moore, P. Geo



Appendix C – Field Notes

Fleet Property 2013
Ah Soil Sample Geochemistry

| Property | Sample # | TYPE | Zone | Easting (NAD83) | Northing (NAD83) | Date | Certificate # | Ticket # (2) | Mo (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppb) | Ni (ppm) | Co (ppm) | Mn (ppm) | As (ppm) | Au (ppb) |
|----------|----------|---------|------|-----------------|------------------|------------|---------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Fleet | 1964945 | Ah Soil | 9 | 677356 | 6281990 | 04/08/2013 | SMI13000189 | 1964945 | 28.98 | 73.55 | 2.17 | 18.6 | 311 | 7.6 | 15.4 | 1079 | 0.1 | 1.2 |
| Fleet | 1964946 | Ah Soil | 9 | 677384 | 6281948 | 04/08/2013 | SMI13000189 | 1964946 | 32.65 | 89.50 | 2.46 | 22.1 | 90 | 26.5 | 9.8 | 290 | 0.1 | 5.0 |
| Fleet | 1964947 | Ah Soil | 9 | 677412 | 6281907 | 04/08/2013 | SMI13000189 | 1964947 | 24.59 | 81.74 | 2.80 | 19.6 | 106 | 25.5 | 18.0 | 750 | 1.1 | 4.6 |
| Fleet | 1964948 | Ah Soil | 9 | 677440 | 6281865 | 04/08/2013 | SMI13000189 | 1964948 | 1.37 | 15.54 | 3.52 | 16.8 | 900 | 9.7 | 8.3 | 75 | 0.4 | 2.3 |
| Fleet | 1964949 | Ah Soil | 9 | 677468 | 6281824 | 04/08/2013 | SMI13000189 | 1964949 | 2.98 | 21.31 | 2.27 | 62.6 | 191 | 9.6 | 7.9 | 404 | 1.5 | 6.9 |
| Fleet | 1964950 | Ah Soil | 9 | 677496 | 6281783 | 04/08/2013 | SMI13000189 | 1964950 | 17.84 | 194.34 | 4.91 | 21.1 | 423 | 12.0 | 8.8 | 2357 | 1.3 | 2.0 |
| Fleet | 1964951 | Ah Soil | 9 | 675961 | 6281728 | 05/08/2013 | SMI13000189 | 1964951 | 17.55 | 190.38 | 4.46 | 36.1 | 238 | 21.8 | 92.0 | 1679 | 0.7 | 3.2 |
| Fleet | 1964952 | Ah Soil | 9 | 675934 | 6281772 | 05/08/2013 | SMI13000189 | 1964952 | 6.98 | 72.05 | 6.37 | 36.2 | 538 | 12.9 | 5.9 | 69 | 0.5 | 1.8 |
| Fleet | 1964953 | Ah Soil | 9 | 675908 | 6281829 | 05/08/2013 | SMI13000189 | 1964953 | 8.76 | 21.99 | 4.84 | 28.0 | 114 | 10.4 | 5.6 | 454 | 0.4 | 1.8 |
| Fleet | 1964971 | Ah Soil | 9 | 675701 | 6281534 | 05/08/2013 | SMI13000189 | 1964971 | 18.45 | 154.30 | 4.42 | 16.6 | 344 | 15.0 | 11.5 | 730 | 0.8 | 5.7 |
| Fleet | 1964973 | Ah Soil | 9 | 675655 | 6281623 | 05/08/2013 | SMI13000189 | 1964973 | 24.35 | 71.08 | 4.50 | 34.0 | 164 | 6.8 | 9.8 | 69 | 0.2 | 0.7 |
| Fleet | 1964974 | Ah Soil | 9 | 675628 | 6281672 | 05/08/2013 | SMI13000189 | 1964974 | 16.97 | 331.17 | 1.53 | 11.5 | 357 | 7.4 | 3.7 | 72 | 0.1 | 2.1 |

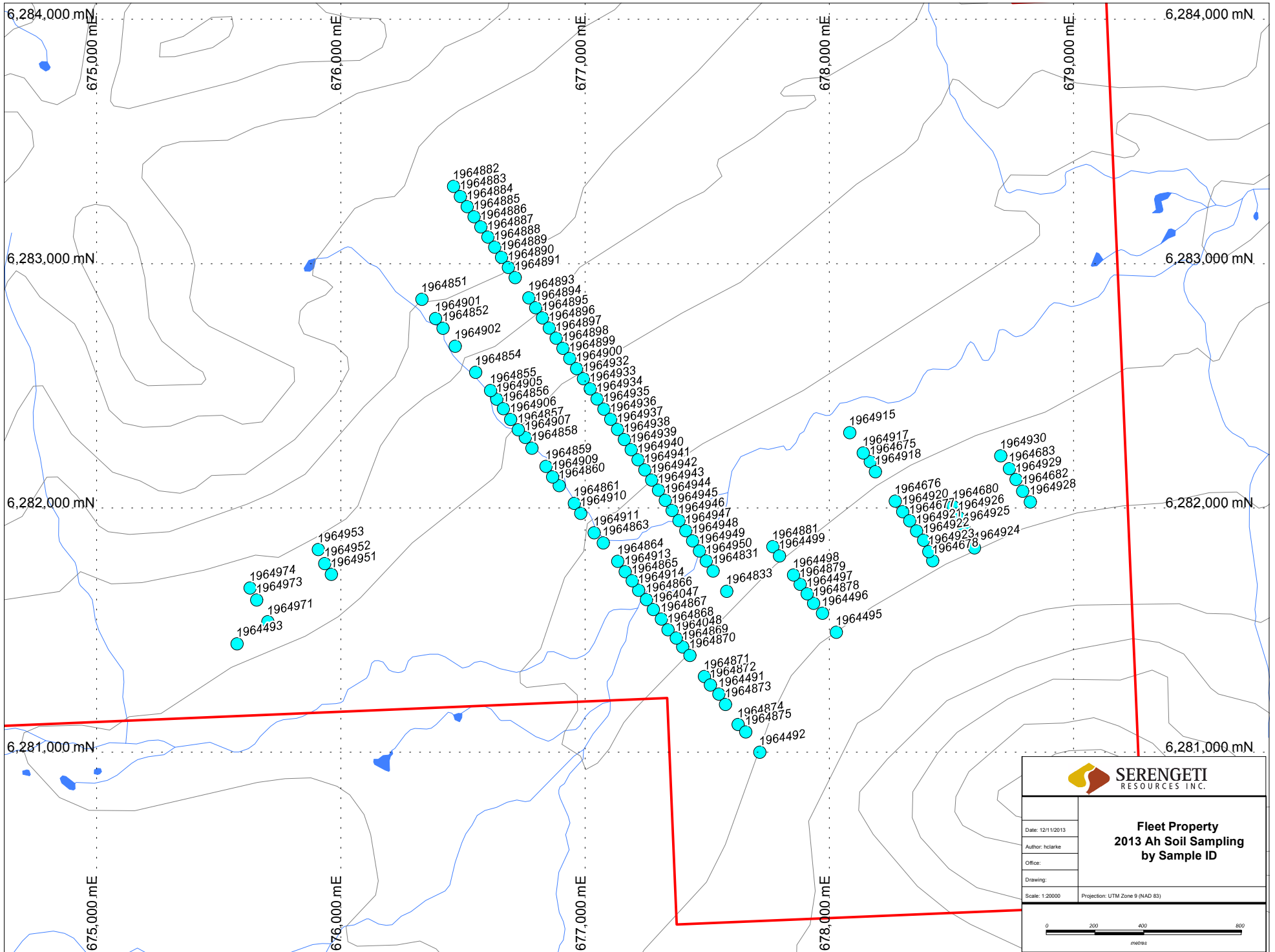
Fleet Property 2013
B Horizon Soil Geochemistry


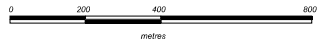
| Property | Sample # | TYPE | Zone | Easting (NAD83) | Northing (NAD83) | Date | Sampler | Certificate # | Ticket # (2) | Mo (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppb) | Ni (ppm) | Co (ppm) | Mn (ppm) | As (ppm) | Au (ppb) |
|----------|----------|------|------|-----------------|------------------|------------|---------|---------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Fleet | 1964050 | B | 9 | 677458 | 6281359 | 01/08/2013 | LA | SMI13000191 | 1964050 | 1.46 | 11.08 | 6.7 | 35.5 | 138 | 10.4 | 7.1 | 200 | 1.4 | 3.3 |
| Fleet | 1964493 | B | 9 | 677602 | 6281152 | 01/08/2013 | LA | SMI13000191 | 1964493 | 4.03 | 58.5 | 2.47 | 29.1 | 22 | 16.3 | 9.8 | 244 | 2.1 | 5.7 |
| Fleet | 1964679 | B | 9 | 678573 | 6281876 | 01/08/2013 | HC | SMI13000191 | 1964679 | 48.71 | 368.62 | 10.26 | 63.2 | 290 | 62.1 | 20 | 520 | 5.1 | 11.4 |
| Fleet | 1964681 | B | 9 | 678850 | 6281981 | 01/08/2013 | HC | SMI13000191 | 1964681 | 2.83 | 10.93 | 5.92 | 15.7 | 138 | 8.9 | 4.4 | 90 | 0.8 | 2.5 |
| Fleet | 1964832 | B | 9 | 677552 | 6281700 | 04/08/2013 | NA | SMI13000191 | 1964832 | 11.85 | 28.29 | 5.71 | 31.9 | 108 | 11.5 | 7.3 | 178 | 0.5 | 2.9 |
| Fleet | 1964853 | B | 9 | 676497 | 6282630 | 31/07/2013 | NA | SMI13000191 | 1964853 | 3.52 | 173.73 | 1.72 | 29.4 | 101 | 43.9 | 20.2 | 247 | 1.4 | 8.3 |
| Fleet | 1964862 | B | 9 | 677016 | 6281939 | 31/07/2013 | NA | SMI13000191 | 1964862 | 11.91 | 145.53 | 2.73 | 28.8 | 234 | 35.7 | 13.1 | 211 | 1.4 | 7.8 |
| Fleet | 1964876 | B | 9 | 677715 | 6281000 | 01/08/2013 | NA | SMI13000191 | 1964876 | 27.05 | 25.35 | 5.44 | 34 | 151 | 10.3 | 6.8 | 252 | 1.3 | 4.1 |
| Fleet | 1964877 | B | 9 | 677998 | 6281531 | 01/08/2013 | NA | SMI13000191 | 1964877 | 19.97 | 44.97 | 10.38 | 13.9 | 263 | 7.9 | 2.9 | 61 | 0.5 | 4 |
| Fleet | 1964880 | B | 9 | 677820 | 6281768 | 01/08/2013 | NA | SMI13000191 | 1964880 | 16.07 | 15.99 | 7.39 | 22.5 | 137 | 14.4 | 6.3 | 168 | 1.4 | 2.7 |
| Fleet | 1964892 | B | 9 | 676741 | 6283902 | 04/08/2013 | NA | SMI13000191 | 1964892 | 28.03 | 86.75 | 3.13 | 41 | 128 | 30.4 | 14.3 | 350 | 0.8 | 3.9 |
| Fleet | 1964903 | B | 9 | 676525 | 6283589 | 31/07/2013 | TW | SMI13000191 | 1964903 | 2.68 | 235.05 | 1.48 | 29.7 | 190 | 44 | 19.7 | 256 | 1.7 | 7.2 |
| Fleet | 1964904 | B | 9 | 676582 | 6283515 | 31/07/2013 | TW | SMI13000191 | 1964904 | 4.86 | 61.1 | 4.4 | 41.5 | 180 | 27.8 | 11.2 | 214 | 2.1 | 4.6 |
| Fleet | 1964908 | B | 9 | 676809 | 6283205 | 31/07/2013 | TW | SMI13000191 | 1964908 | 9.22 | 96.84 | 2.28 | 38.7 | 102 | 25.7 | 14 | 354 | 2.6 | 21.1 |
| Fleet | 1964912 | B | 9 | 677101 | 6281816 | 31/07/2013 | TW | SMI13000191 | 1964912 | 1.13 | 14.15 | 6.16 | 26.9 | 792 | 7.6 | 4.9 | 137 | 0.9 | 1 |
| Fleet | 1964916 | B | 9 | 678113 | 6282268 | 01/08/2013 | TW | SMI13000191 | 1964916 | 22.98 | 18.33 | 6.2 | 26.7 | 103 | 12.6 | 7.6 | 165 | 1.7 | 13.7 |
| Fleet | 1964919 | B | 9 | 678240 | 6282071 | 01/08/2013 | TW | SMI13000191 | 1964919 | 42.04 | 43.96 | 3.45 | 30.6 | 130 | 22.6 | 10.8 | 193 | 1.8 | 5.8 |
| Fleet | 1964927 | B | 9 | 678880 | 6281938 | 01/08/2013 | TW | SMI13000191 | 1964927 | 2.74 | 19.72 | 4.91 | 21.3 | 514 | 23.8 | 6.8 | 170 | 0.8 | 9.2 |
| Fleet | 1964931 | B | 9 | 678644 | 6282297 | 01/08/2013 | TW | SMI13000191 | 1964931 | 36.57 | 27.85 | 5.09 | 31.9 | 66 | 22.9 | 10.8 | 179 | 1.5 | 7.7 |
| Fleet | 1964954 | B | 9 | 675866 | 6281875 | 05/08/2013 | NA | SMI13000191 | 1964954 | 12.52 | 27.21 | 4.58 | 45.9 | 354 | 32 | 12.7 | 280 | 1.8 | 2.8 |
| Fleet | 1964955 | B | 9 | 675861 | 6281913 | 05/08/2013 | NA | SMI13000191 | 1964955 | 10.38 | 55.67 | 4.46 | 40.8 | 271 | 18.8 | 10.1 | 416 | 1.5 | 3.8 |
| Fleet | 1964956 | B | 9 | 675839 | 6281955 | 05/08/2013 | NA | SMI13000191 | 1964956 | 8.47 | 22.74 | 5.58 | 33.6 | 267 | 18.3 | 7.7 | 177 | 1.9 | 2.2 |
| Fleet | 1964957 | B | 9 | 675820 | 6281995 | 05/08/2013 | NA | SMI13000191 | 1964957 | 5.97 | 61.34 | 4.71 | 31.7 | 283 | 28.7 | 13.9 | 244 | 2.1 | 5.2 |
| Fleet | 1964958 | B | 9 | 675808 | 6282055 | 05/08/2013 | NA | SMI13000191 | 1964958 | 10.37 | 203.65 | 2.69 | 45.5 | 588 | 57.8 | 19.3 | 373 | 3.1 | 9.6 |
| Fleet | 1964959 | B | 9 | 675957 | 6282207 | 05/08/2013 | NA | SMI13000191 | 1964959 | 19.97 | 412.8 | 3.59 | 61.3 | 178 | 86.3 | 38 | 940 | 4.5 | 26.3 |
| Fleet | 1964960 | B | 9 | 675972 | 6282175 | 05/08/2013 | NA | SMI13000191 | 1964960 | 44.99 | 150.93 | 5.18 | 52 | 306 | 39.6 | 43.4 | 2146 | 1.5 | 13.5 |
| Fleet | 1964961 | B | 9 | 676023 | 6282126 | 05/08/2013 | NA | SMI13000191 | 1964961 | 3.11 | 64.38 | 3.85 | 34.1 | 105 | 22.9 | 11.4 | 256 | 2.4 | 3.5 |
| Fleet | 1964962 | B | 9 | 676043 | 6282067 | 05/08/2013 | NA | SMI13000191 | 1964962 | 3.74 | 90.49 | 4.46 | 35.1 | 271 | 19.5 | 10 | 206 | 1.8 | 4.3 |
| Fleet | 1964963 | B | 9 | 676082 | 6282037 | 05/08/2013 | NA | SMI13000191 | 1964963 | 3.93 | 83.49 | 3.02 | 51.2 | 208 | 25.7 | 13.4 | 252 | 2.9 | 7.3 |
| Fleet | 1964964 | B | 9 | 676091 | 6281971 | 05/08/2013 | NA | SMI13000191 | 1964964 | 6.03 | 59.64 | 6.33 | 59.1 | 112 | 23.8 | 12.9 | 234 | 2.3 | 12.5 |
| Fleet | 1964965 | B | 9 | 676101 | 6281923 | 05/08/2013 | NA | SMI13000191 | 1964965 | 7.28 | 223.62 | 2.8 | 65.7 | 222 | 27.8 | 27.8 | 495 | 2.1 | 1.2 |
| Fleet | 1964966 | B | 9 | 676110 | 6281878 | 05/08/2013 | NA | SMI13000191 | 1964966 | 7.96 | 82.25 | 4.81 | 56.2 | 177 | 21.9 | 17.2 | 380 | 1.4 | 3.8 |
| Fleet | 1964972 | B | 9 | 675677 | 6281578 | 05/08/2013 | TW | SMI13000191 | 1964972 | 9.96 | 173.69 | 3.13 | 40.6 | 209 | 39.1 | 15.7 | 358 | 3.5 | 5.3 |
| Fleet | 1964975 | B | 9 | 675602 | 6281713 | 05/08/2013 | TW | SMI13000191 | 1964975 | 1.59 | 125.13 | 1.96 | 34.7 | 367 | 39.1 | 16.5 | 311 | 3 | 14.3 |
| Fleet | 1964976 | B | 9 | 675573 | 6281759 | 05/08/2013 | TW | SMI13000191 | 1964976 | 51.79 | 292.59 | 2.89 | 47.1 | 194 | 76.1 | 45.8 | 399 | 11.2 | 7.9 |
| Fleet | 1964977 | B | 9 | 675551 | 6281798 | 05/08/2013 | TW | SMI13000191 | 1964977 | 13.3 | 467 | 4.42 | 57.7 | 257 | 58.7 | 36.7 | 773 | 2.9 | 30.3 |
| Fleet | 1964978 | B | 9 | 675529 | 6281836 | 05/08/2013 | TW | SMI13000191 | 1964978 | 13.68 | 495.79 | 4.11 | 56.7 | 140 | 57.7 | 32.9 | 790 | 3.4 | 57.5 |
| Fleet | 1964979 | B | 9 | 675509 | 6281877 | 05/08/2013 | TW | SMI13000191 | 1964979 | 10.12 | 357.34 | 3.58 | 52.4 | 242 | 57.3 | 28.9 | 687 | 3.2 | 33.9 |
| Fleet | 1964980 | B | 9 | 675478 | 6281918 | 05/08/2013 | TW | SMI13000191 | 1964980 | 13.18 | 763.63 | 4.8 | 65 | 486 | 75.1 | 47.6 | 1191 | 4.1 | 51.2 |
| Fleet | 1964981 | B | 9 | 675439 | 6281964 | 05/08/2013 | TW | SMI13000191 | 1964981 | 21.75 | 323.59 | 5.1 | 74.4 | 496 | 77.8 | 38.1 | 1187 | 4.6 | 11 |
| Fleet | 1964982 | B | 9 | 675300 | 6281900 | 05/08/2013 | TW | SMI13000191 | 1964982 | 3.4 | 293.19 | 2.41 | 49.5 | 299 | 96 | 31.4 | 683 | 3.9 | 5.2 |
| Fleet | 1964983 | B | 9 | 675331 | 6281869 | 05/08/2013 | TW | SMI13000191 | 1964983 | 9.94 | 58.61 | 3.44 | 63.5 | 86 | 46.3 | 19.5 | 547 | 3.5 | 10.5 |
| Fleet | 1964984 | B | 9 | 675353 | 6281828 | 05/08/2013 | TW | SMI13000191 | 1964984 | 19.32 | 157.3 | 5.42 | 64.2 | 96 | 67.9 | 22.9 | 647 | 5.9 | 4.8 |
| Fleet | 1964985 | B | 9 | 675374 | 6281789 | 05/08/2013 | TW | SMI13000191 | 1964985 | 2.78 | 327.62 | 1.61 | 36.8 | 354 | 80.9 | 26 | 537 | 23.3 | 16.8 |
| Fleet | 1964986 | B | 9 | 675398 | 6281748 | 05/08/2013 | TW | SMI13000191 | 1964986 | 33.5 | 251.55 | 3.91 | 59.1 | 75 | 48.7 | 29.8 | 2678 | 3.8 | 15 |
| Fleet | 1964987 | B | 9 | 675420 | 6281706 | 05/08/2013 | TW | SMI13000191 | 1964987 | 11.16 | 481.26 | 2.12 | 41.6 | 208 | 43.4 | 23 | 464 | 2.7 | 12.9 |
| Fleet | 1964988 | B | 9 | 675443 | 6281668 | 05/08/2013 | TW | SMI13000191 | 1964988 | 9.88 | 100.34 | 2.16 | 42.1 | 225 | 52.9 | 15.3 | 227 | 1.7 | 4.4 |
| Fleet | 1964989 | B | 9 | 675467 | 6281619 | 05/08/2013 | TW | SMI13000191 | 1964989 | 1.46 | 21.97 | 4.2 | 59.4 | 599 | 15.1 | 10.8 | 371 | 4 | 0.9 |
| Fleet | 1964990 | B | 9 | 675495 | 6281574 | 05/08/2013 | TW | SMI13000191 | 1964990 | 1.13 | 39.21 | 1.8 | 31.1 | 225 | 17.9 | 9.2 | 235 | 3 | 1.2 |
| Fleet | 1964991 | B | 9 | 675519 | 6281534 | 05/08/2013 | TW | SMI13000191 | 1964991 | 0.81 | 19.58 | 2.17 | 45.6 | 118 | 15 | 8.4 | 253 | 1.7 | 30 |
| Fleet | 1964992 | B | 9 | 675550 | 6281484 | 05/08/2013 | TW | SMI13000191 | 1964992 | 1.06 | 93.83 | 1.45 | 31.7 | 168 | 26.9 | 13 | 283 | 3 | 3.5 |

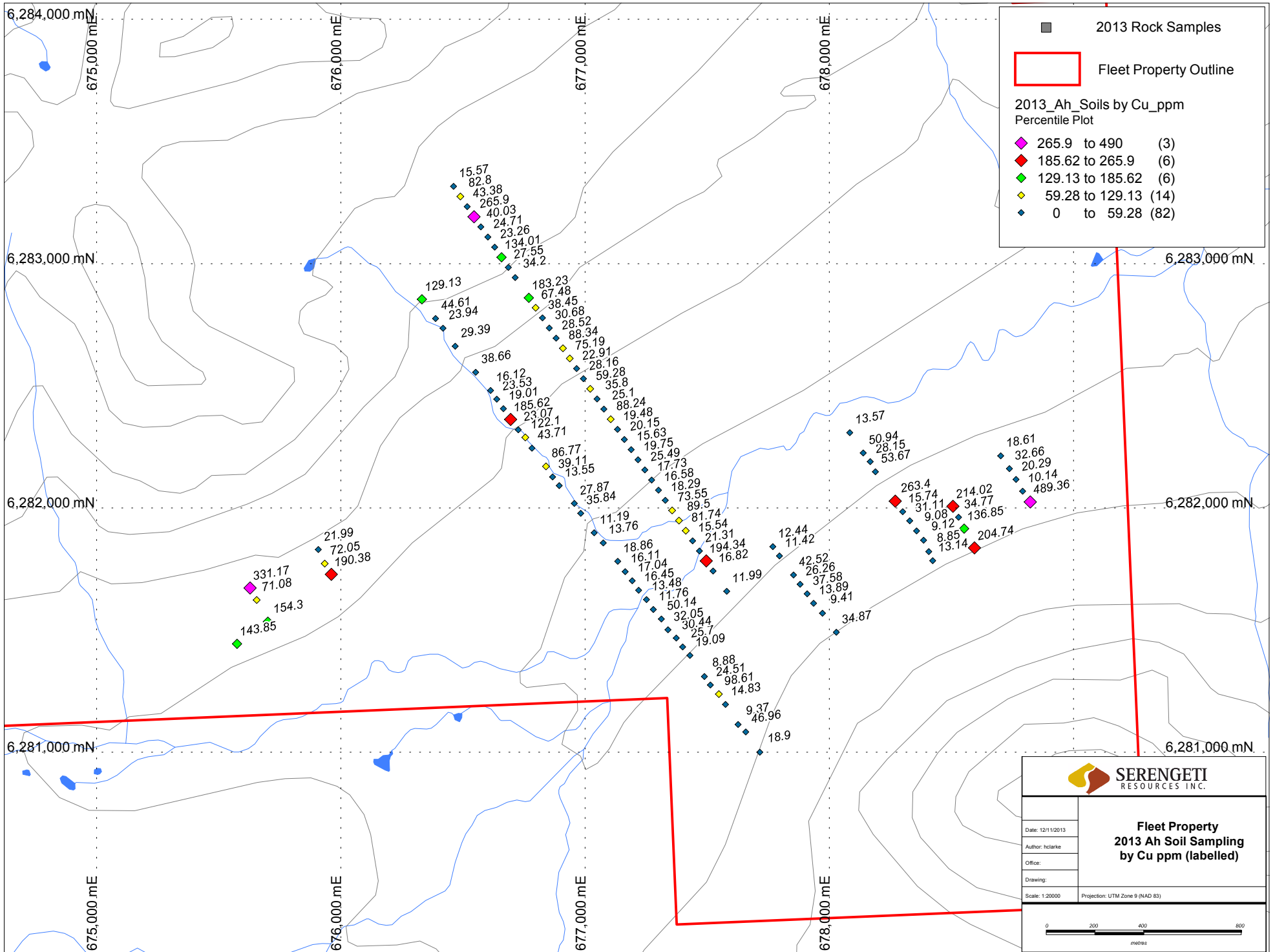
Fleet Property 2013
Rock Samples Geochemistry

| Property | Sample # | Zone | Easting (NAD83) | Northing (NAD83) | Elevation (m) | Date | Lithology | Sampler | Notes | Type of Sample (Outcrop, subcrop, float, talus) | Width (cm) | ACME Job # | Sample# | Mo (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppm) | Ni (ppm) | Co (ppm) | As (ppm) | Au (ppb) |
|----------|----------|------|-----------------|------------------|---------------|------------|---------------------------|---------|---|---|------------|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FLEET | 1964835 | 9 | 675482 | 6281912 | 1641.942 | 05/08/2013 | Qtz vein in granodiorite | LA | Qtz vein, 1 cm wide with euhedral py seams running through; V. rusty outside; worked granodiorite? Qtz rich outside of vein; non-magnetic | float | 10 | SM13000195 | 1964835 | 0.3 | 948.6 | 1 | 18 | 0.6 | 2.3 | 4.9 | 0.25 | 42.5 |
| FLEET | 1964834 | 9 | 675510 | 6281885 | 1624.719 | 05/08/2013 | Qtz vein in volcanics? | LA | rusty weathered rock. BRX? Qtz vein in unknown lithology, most likely volcanics of some sort; no fresh surfaces; Malachite staining; qtz rich; small sample - only float | float | 10 | SM13000195 | 1964834 | 462.7 | 2636.1 | 1.1 | 72 | 0.7 | 86.9 | 35.1 | 0.25 | 105 |
| FLEET | 1964830 | 9 | 677085.28 | 6283004 | 1590 | 04/08/2013 | Andesite sandstone | LA | chlorite altered, with cubic pyrite; hard to get a fresh surface, very rusty; non-magnetic; dark green, equigranular. | float | 10 | SM13000195 | 1964830 | 21.8 | 79.9 | 0.4 | 13 | 0.05 | 53.8 | 18.5 | 0.25 | 1.3 |
| FLEET | 1964825 | 9 | 674958 | 6284554 | 1797.733 | 02/08/2013 | qtz diorite | LA | v.fg siliceous qtz diorite. Light grey, non magnetic with diss py. Rusty outside and malachite staining | float/talus | | SM13000195 | 1964825 | 12.3 | 1283.8 | 0.3 | 17 | 0.2 | 945.5 | 72.2 | 0.5 | 5.1 |
| FLEET | 1964824 | 9 | 675040 | 6284499 | 1814.248 | 02/08/2013 | qtz diorite | LA | fg with white fspar + qtz + hbl + bi + py +/- mt +/- cpy; seams of malachite/pyrite (py also dissem throughout); occasionally syenitic looking (bladed mafic xtals) | float/talus | | SM13000195 | 1964824 | 2.5 | 1742.2 | 2.4 | 41 | 1.3 | 24.3 | 5.6 | 0.25 | 30.3 |
| FLEET | 1964823 | 9 | 674937 | 6284327 | 1823.722 | 02/08/2013 | pyroxenite - pegmatite? | LA | megacrystic to pegmatitic pyroxene feldspr +/- qtz. Py is dissem and as beles +/- cpy in rusty zones; purple sulphide, poss bornite or po (non magnetic though) or cpy. unknown fibrous mineral vein on ultramafic rock (v. magnetic, dk grey, lg); white to green (occasionally orange-brown); w/ Mo blebs (2mm). Vein ~ 1-2 cm width; soapy to silky texture; occasionally asbestiform/hairy | float/talus | | SM13000195 | 1964823 | 1.1 | 681 | 1.2 | 74 | 0.3 | 37.4 | 33.4 | 0.25 | 4.2 |
| FLEET | 1964822 | 9 | 674879 | 6284321 | 1814.313 | 02/08/2013 | unknown | LA | | float/talus | | SM13000195 | 1964822 | 1169.7 | 124.8 | 0.3 | 33 | 0.05 | 1863.2 | 98.9 | 0.7 | 0.25 |
| FLEET | 1964821 | 9 | 674864 | 6284317 | 1814.671 | 02/08/2013 | diorite? | LA | fg, sugary texture with diss. py throughout; rusty patches with semi-massive py +/- cpy; more sulphides along fracture faces; non-magnetic; light-med grey, silicified. Strongly altered and weathered without fresh faces; strongly magnetic, rusty patches with veins of fibrous minerals; Malachite staining halo around a strongly orange rusty area containing cpy. Magnetic grains could be primary; lots of sericite; fibrous mineral: actinolite? or fibrous chlorite? rock appears to be fault gouge-y and have had fluids moved through | float/talus | | SM13000195 | 1964821 | 57.7 | 267.7 | 2.2 | 79 | 0.3 | 28.3 | 24.7 | 0.25 | 3.8 |
| FLEET | 1964820 | 9 | 674818 | 6284321 | 1810.334 | 02/08/2013 | ultramafic? Lith unknown | LA | | float/talus | | SM13000195 | 1964820 | 3.5 | 12560 | 0.6 | 75 | 9.6 | 1748.8 | 116.9 | 1.3 | 185.9 |
| FLEET | 1964697 | 9 | 675804 | 6282054 | 1632 | 05/08/2013 | Andesite porphyritic | HC | Strongly altered bright orange gossanous, bleached porphyritic volcanic- low s.g. rusty exterior, occ. v.fg powdery pyrite blebs noted, v little remnant lithology- float in volcanic talus near o/c epidote/Qtz veined chloritic volcanic | float | 15 | SM13000195 | 1964697 | 9.4 | 108.3 | 1.3 | 34 | 0.5 | 6.2 | 1.5 | 0.25 | 10.7 |
| FLEET | 1964696 | 9 | 677578.12 | 6282226.91 | 1369.581 | 04/08/2013 | Andesite porphyritic | HC | float in road- med gr, pyroxene porphyritic volcanic, chlorite altered, non mag, dism sulphides and sugary quartz vein, 1cm wide with 4-5% py, tr cpy and mt (other metallic min?) | float | 10 | SM13000195 | 1964696 | 230 | 100.2 | 0.6 | 26 | 0.1 | 41.5 | 28.8 | 0.25 | 2.5 |
| FLEET | 1964691 | 9 | 675182.18 | 6284460.94 | 1834.637 | 02/08/2013 | qtz diorite | HC | Siliceous pyritic diorite- altered bleached and rusty, 2-3% py | float/talus | 10 | SM13000195 | 1964691 | 145.3 | 1931.1 | 7.6 | 52 | 0.5 | 37.4 | 39.2 | 0.25 | 6 |
| FLEET | 1964690 | 9 | 675068.12 | 6284349.08 | 1869.817 | 02/08/2013 | ultramafic | HC | v strongly magnetic, dark green, fine grained, texture with platy striations. Possible contact here with diorite (dyke?) | subcrop | | SM13000195 | 1964690 | 2.4 | 59.4 | 0.1 | 25 | 0.05 | 1055 | 116.5 | 0.25 | 0.25 |
| FLEET | 1964689 | 9 | 675069.56 | 6284351.25 | 1870.842 | 02/08/2013 | diorite | HC | Altered diorite- bleached and rusty with ser/Qtz, mafics altered to chlorite, dism sulphides and feox. Possible intrusive contact here- poss btw diorite (syenite?) and ultramafic. Diorite fresh away from this contact | subcrop | 200 | SM13000195 | 1964689 | 3.3 | 167.2 | 1.8 | 23 | 0.1 | 14 | 10.5 | 0.25 | 2 |
| FLEET | 1964688 | 9 | 674941 | 6284345.67 | 1825.61 | 02/08/2013 | diorite | HC | Med grained diorite, up to 4% py, strong rusty stain- slightly pinker grdmass (monzonitic?) - non mag. Looks altered- siliceous grdmass, sugary texture | float/talus | 10 | SM13000195 | 1964688 | 245.3 | 659.5 | 2.9 | 53 | 0.7 | 17.3 | 55.5 | 0.25 | 9 |
| FLEET | 1964687 | 9 | 674871.39 | 6284347.68 | 1810.738 | 02/08/2013 | diorite | HC | Med grained porphyritic diorite with abundant quartz in grdmass, some areas quartzitic. Sulphide in matrix between phenos- 2% py, tr cpy + malachite. Non magnetic (low frequency of this rock here 0.5%) | float/talus | 8 | SM13000195 | 1964687 | 0.8 | 191 | 1.8 | 32 | 0.2 | 20.5 | 8 | 0.25 | 3.9 |
| FLEET | 1964686 | 9 | 674875 | 6284346.6 | 1809.517 | 02/08/2013 | diorite | HC | Med grained diorite (syenite?) - porphyritic, hbl altered with absorbed margins- sulphides in fine stringers- mainly py noted, often rusty. Malachite blebs also noted. Grdmass texture sugary- qtz rich, albitic? Some contact along this samples edge- poss gradational texture. Non magnetic | float/talus | 8 | SM13000195 | 1964686 | 8.2 | 1826.1 | 1.9 | 69 | 1.8 | 17.7 | 16.1 | 0.25 | 31.9 |
| FLEET | 1964685 | 9 | 674844.93 | 6284315.81 | 1811.684 | 02/08/2013 | diorite | HC | bleached, rusty fine-med gr diorite, bleached- poss albitic-siliceous, 2-3% pyrite in fractures with feox- trace cpy. Not mag | float/talus | 8 | SM13000195 | 1964685 | 12.6 | 696.1 | 1.3 | 122 | 0.8 | 47.7 | 25.5 | 0.25 | 8.1 |
| FLEET | 1964674 | 9 | 678079.35 | 6282300.95 | 1356.925 | 01/08/2013 | tuff | HC | Siliceous chloritic volcanic with quartz veining and rare sulphides-poss contact with mafic intrusive, also noted- no minz noted other than py | float/subcrop | 20 | SM13000195 | 1964674 | 1.6 | 70.1 | 0.7 | 10 | 0.4 | 11.4 | 5.3 | 0.25 | 1 |
| FLEET | 1964672 | 9 | 678218.3 | 6281284.27 | 1590.235 | 31/07/2013 | Qtz-Fsp Vein | HC | Quartz-feldspar (microcline) vein- drusy cavities, fracture filling cpy-mal-az-cov. Surrounding rock unalt andesite- source upslope? Abund min qtz-fsp vn float in area. This spot marks top of timberline and start of minz from E-W | float | 10 | SM13000195 | 1964672 | 26.4 | 14460 | 52.2 | 6 | 33.6 | 4.7 | 1.2 | 0.25 | 270.5 |
| FLEET | 1964671 | 9 | 676279.14 | 6283960.19 | 1941.144 | 30/07/2013 | | HC | Boulder with contact between mg felsic intrusive (syenite) with dark green fg microdio (?) with 2% py (+/- cpy?) | float | 25 | SM13000195 | 1964671 | 0.7 | 73.4 | 0.8 | 19 | 0.05 | 24.7 | 17.8 | 0.6 | 0.8 |
| FLEET | 1964670 | 9 | 676968.35 | 6283931.56 | 1778.467 | 30/07/2013 | | HC | Obvious rusty subcrop, rounded, med gr, intrusive (?) dark to soapy green colour, dism fg mt grains, no py noted, criss-crossing chl veinlets 0.5cm wide | subcrop | 100 | SM13000195 | 1964670 | 0.05 | 4.8 | 0.5 | 29 | 0.05 | 969.2 | 93.2 | 3.4 | 0.25 |
| FLEET | 1964669 | 9 | 676654.63 | 6282851.88 | 1625.889 | 30/07/2013 | | HC | Subangular block, v rusty ext, sitting in cover on side of rd, cg ultramafic, 3-5% pyrite, tr cpy, magnetic | float | 30 | SM13000195 | 1964669 | 8 | 977.5 | 0.6 | 22 | 0.4 | 92.4 | 73.9 | 0.25 | 12 |
| FLEET | 1964668 | 9 | 676693.79 | 6282781.76 | 1608.213 | 30/07/2013 | FELS | HC | Strong rusty stain on exterior, crem coloured (felsic?) med gr, intrusive- clots of dism sulphide up to 5%, grey/maroon coloured sulphides (py?) non-mag, siliceous? | float | 10 | SM13000195 | 1964668 | 2.2 | 53.8 | 0.5 | 72 | 0.05 | 12.1 | 13.5 | 0.9 | 1.1 |
| FLEET | 1964500 | 9 | 677763.89 | 6281834.02 | 1395 | 01/08/2013 | volcanic? | LA | v. fg volcanic? Hard to get fresh surfaces, rusty outside; weakly magnetic, diss lg pyrite; dark grey-green | float | | SM13000195 | 1964500 | 0.3 | 41.5 | 1.1 | 33 | 0.05 | 47.4 | 16.3 | 0.8 | 1.5 |
| FLEET | 1964494 | 9 | 677835.75 | 6281212.48 | 1526 | 01/08/2013 | intrusive - granodiorite? | LA | intrusive with white fspar + qtz + mt + hbl. Hematite stained; py-as?-sphalerite+/-cpy; rounded breccia clasts? | float | | SM13000195 | 1964494 | 11 | 1008.6 | 1 | 44 | 0.7 | 46.5 | 39.6 | 0.25 | 22.5 |
| FLEET | 1964049 | 9 | 677386.78 | 6281438.03 | 1402 | 01/08/2013 | ultramafic | LA | weakly to moderately magnetic, dark grey, fine grained, siliceous, with pyrite disseminations and possible cpy. More py on fracture faces. Epidote and white feldspar vein - 1 cm width | float | | SM13000195 | 1964049 | 3.4 | 95.6 | 0.7 | 24 | 0.05 | 33.2 | 16 | 0.9 | 2 |
| FLEET | 1964046 | 9 | 676268.38 | 6283852.56 | 1911.068 | 30/07/2013 | amphibolite | LA | med-coarse grained amphibolite; rusty outside; hard to get fresh surfaces; abundant py + trace cpy; epidote, some fspar and glassyqtz veinlets | float | | SM13000195 | 1964046 | 19 | 361.8 | 0.6 | 25 | 1.6 | 15.4 | 13 | 0.25 | 38.1 |
| FLEET | 1964045 | 9 | 676855.96 | 6283257.27 | 1703.877 | 30/07/2013 | ultramafic | LA | ultramafic intrusive; non-magnetic; fracture face of weathered pyrite; possible cpy (could be stained py); med-grained, with glassy Hbl xtals; non-magnetic | subcrop-float | | SM13000195 | 1964045 | 2.1 | 92.7 | 0.3 | 21 | 0.05 | 44.3 | 17.8 | 0.25 | 1.8 |
| FLEET | 1964044 | 9 | 676694.99 | 6282186.06 | 1616.446 | 30/07/2013 | intrusive | LA | Weathered sulphur smelling intrusive; pink to green with pink and white fspar; fracture filled with hem/lim; vein of block pink fspar; strongly magnetic rock; med-coarse grained; py-aspy; epidote and blebby magnetite | float | | SM13000195 | 1964044 | 401.9 | 2060.6 | 2 | 38 | 1.1 | 75.4 | 91.1 | 0.25 | 32.5 |

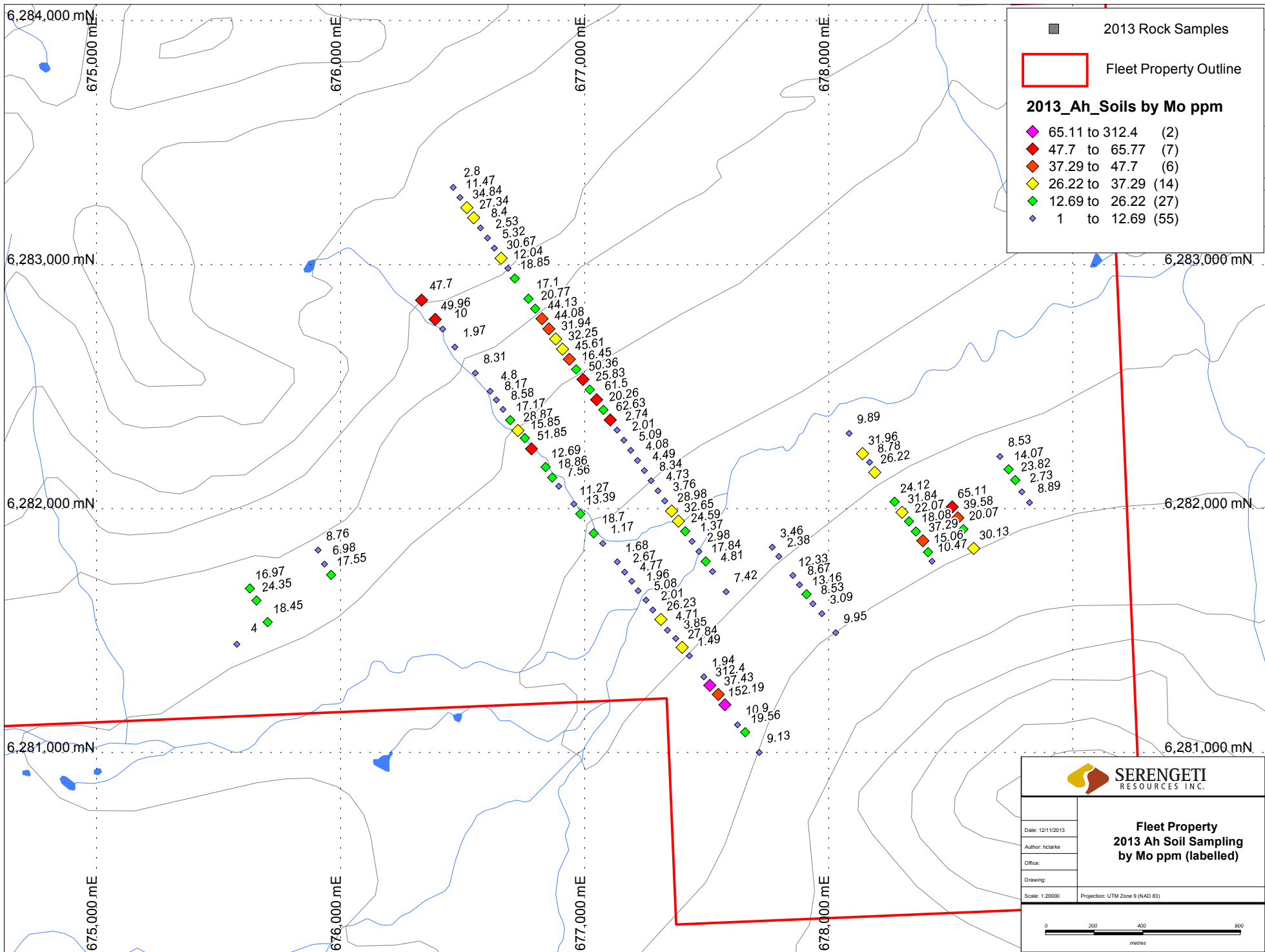
Appendix D – Maps of Sample Locations and Results



| | |
|--|---------------------------------|
|  SERENGETI RESOURCES INC. | |
| Fleet Property 2013 Ah Soil Sampling by Sample ID | |
| Date: 12/11/2013 | |
| Author: Incharke | |
| Office: | |
| Drawing: | |
| Scale: 1:20000 | Projection: UTM Zone 9 (NAD 83) |
|  | |



| | |
|--|---------------------------------|
| | |
| Fleet Property 2013 Ah Soil Sampling by Cu ppm (labelled) | |
| Date: 12/11/2013 | |
| Author: Incharke | |
| Office: | |
| Drawing: | |
| Scale: 1:20000 | Projection: UTM Zone 9 (NAD 83) |
| | |

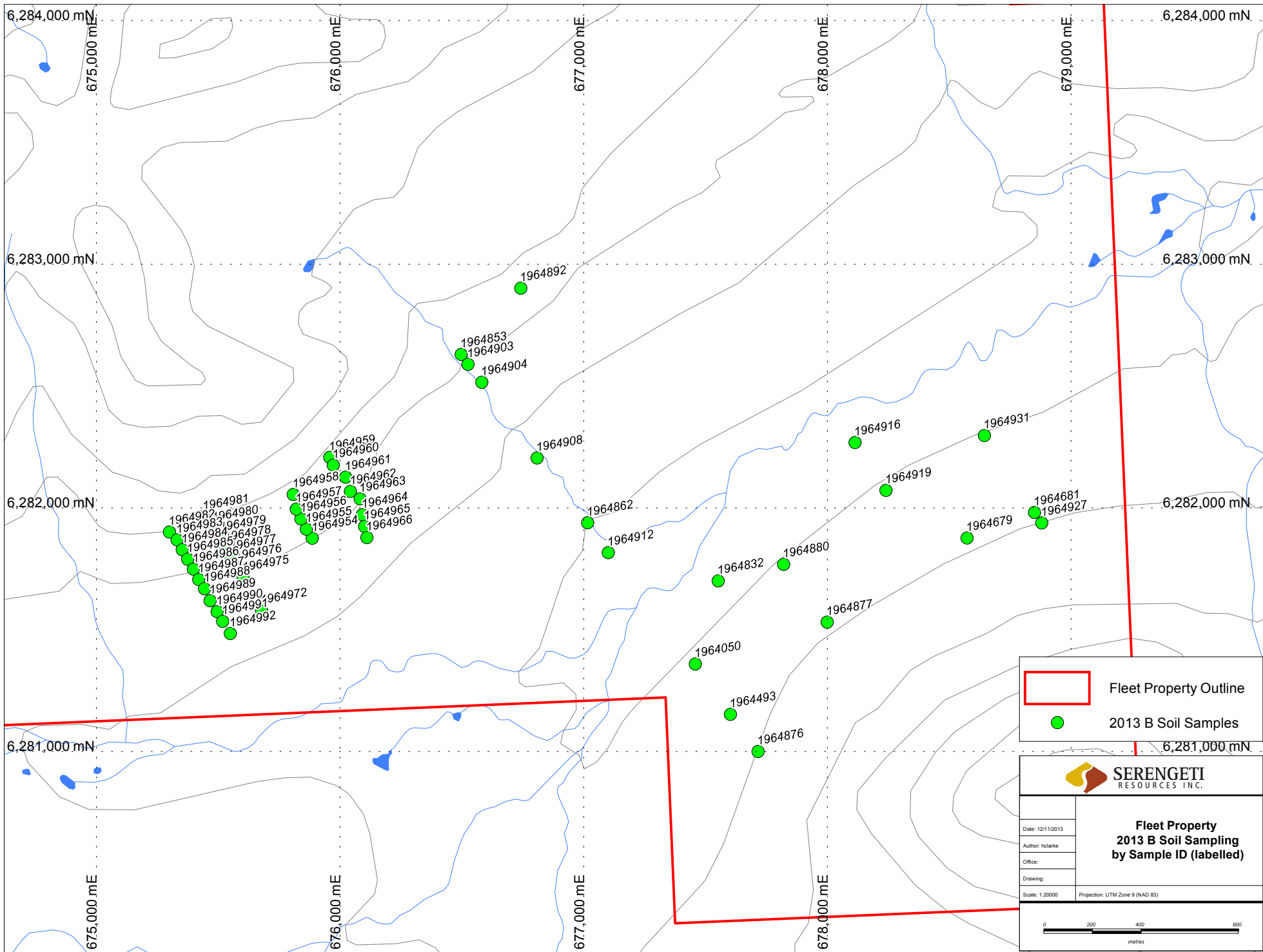


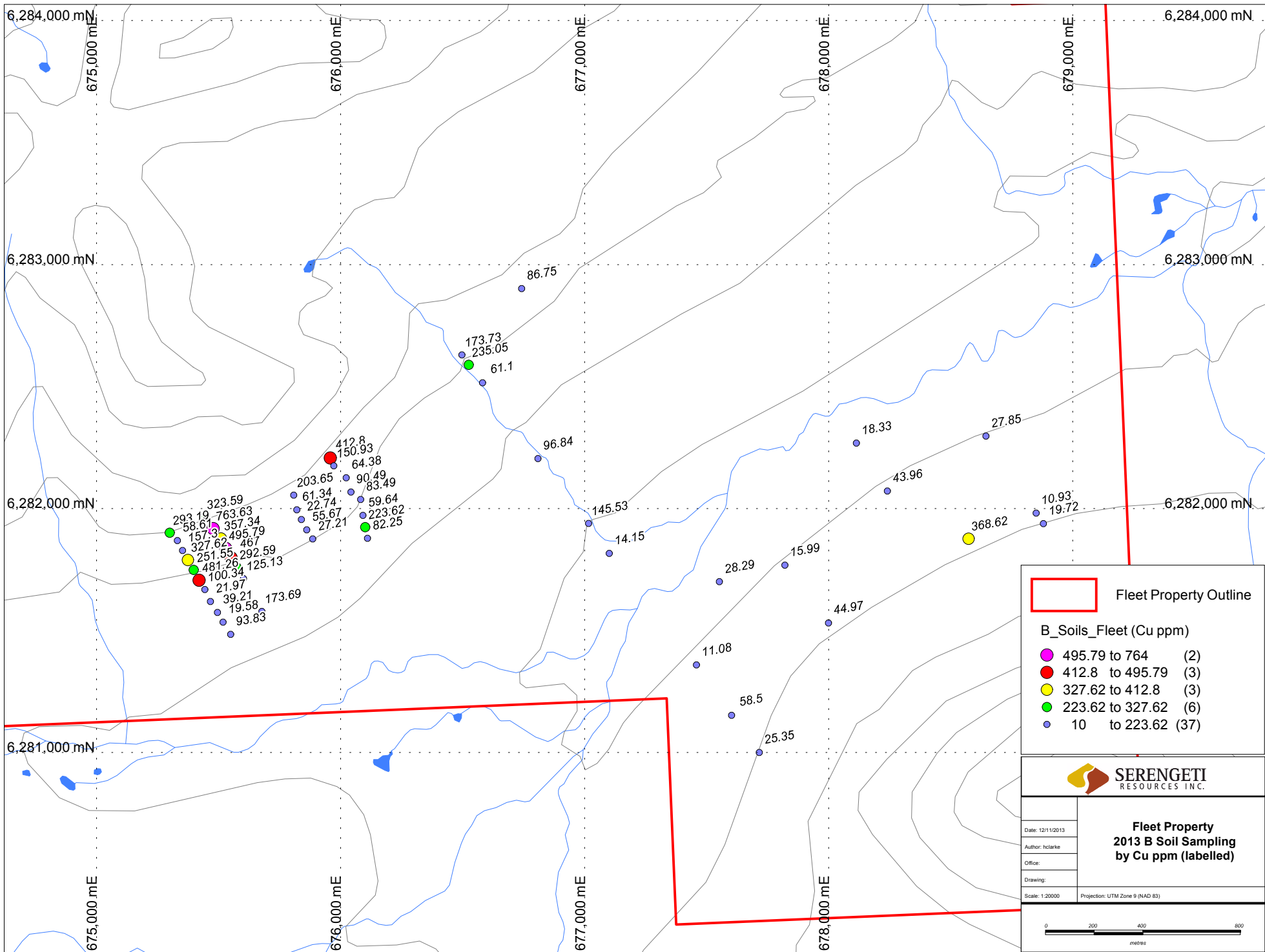
SERENGETI RESOURCES INC.

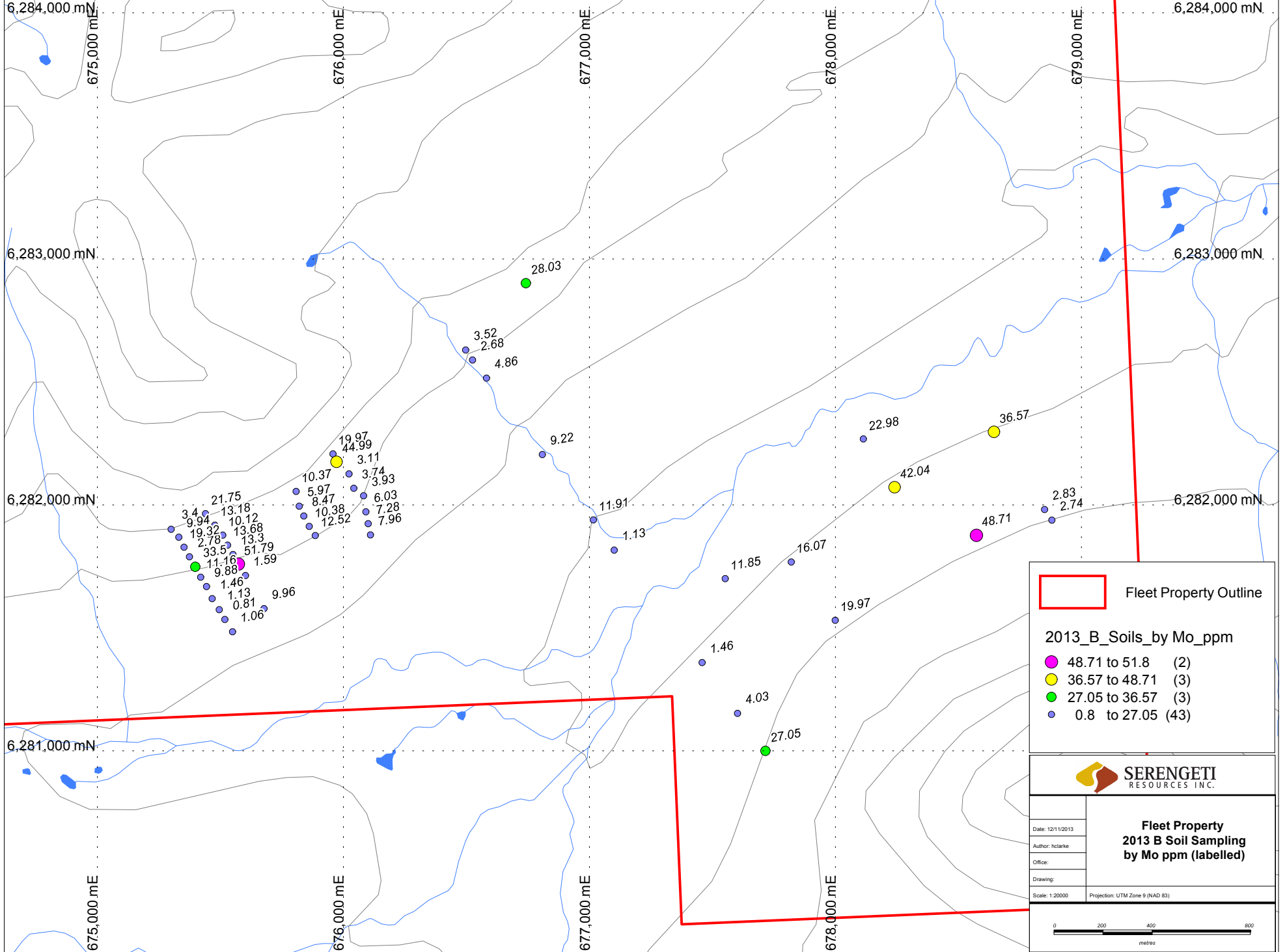
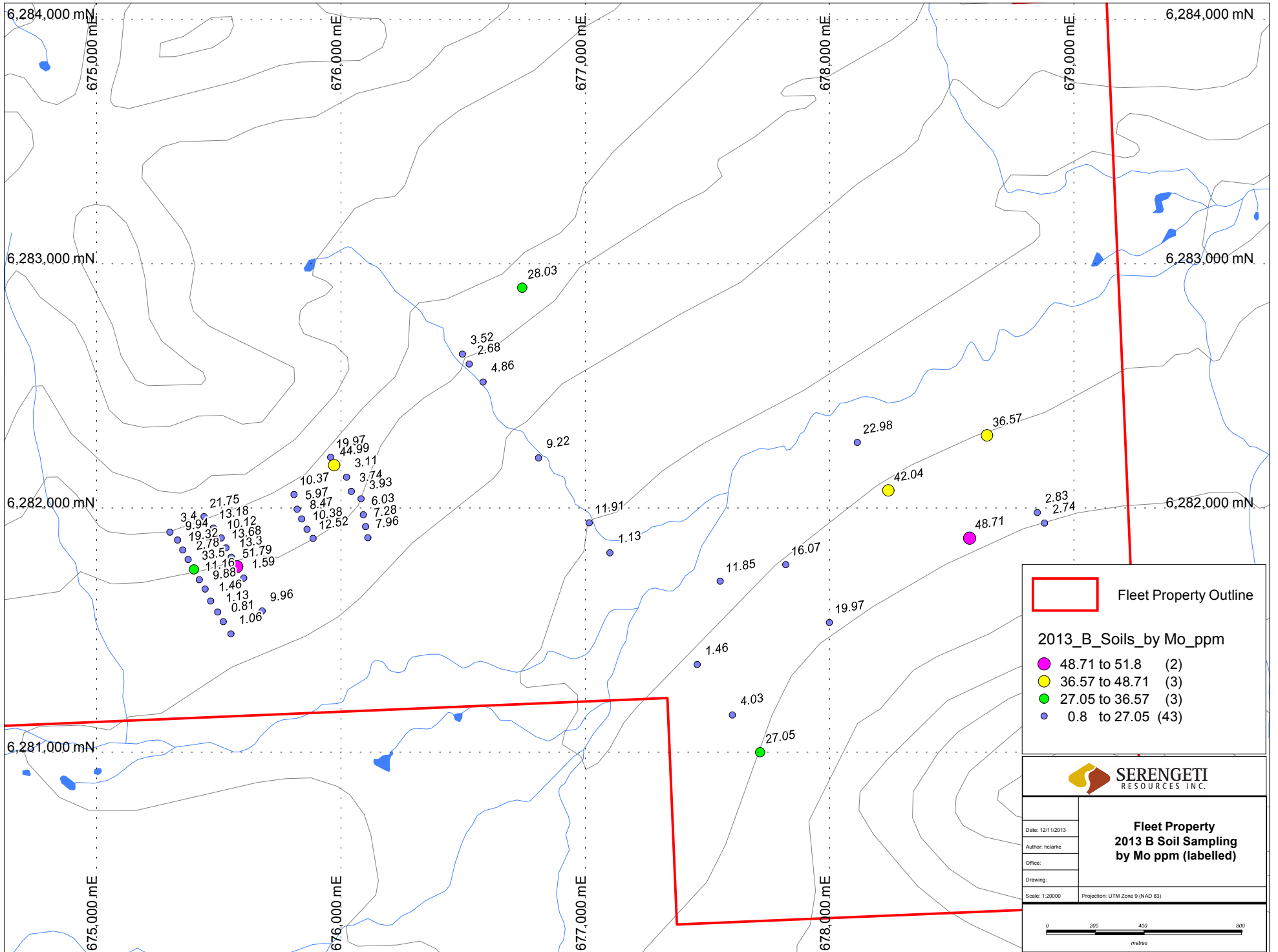
**Fleet Property
2013 Ah Soil Sampling
by Mo ppm (labelled)**

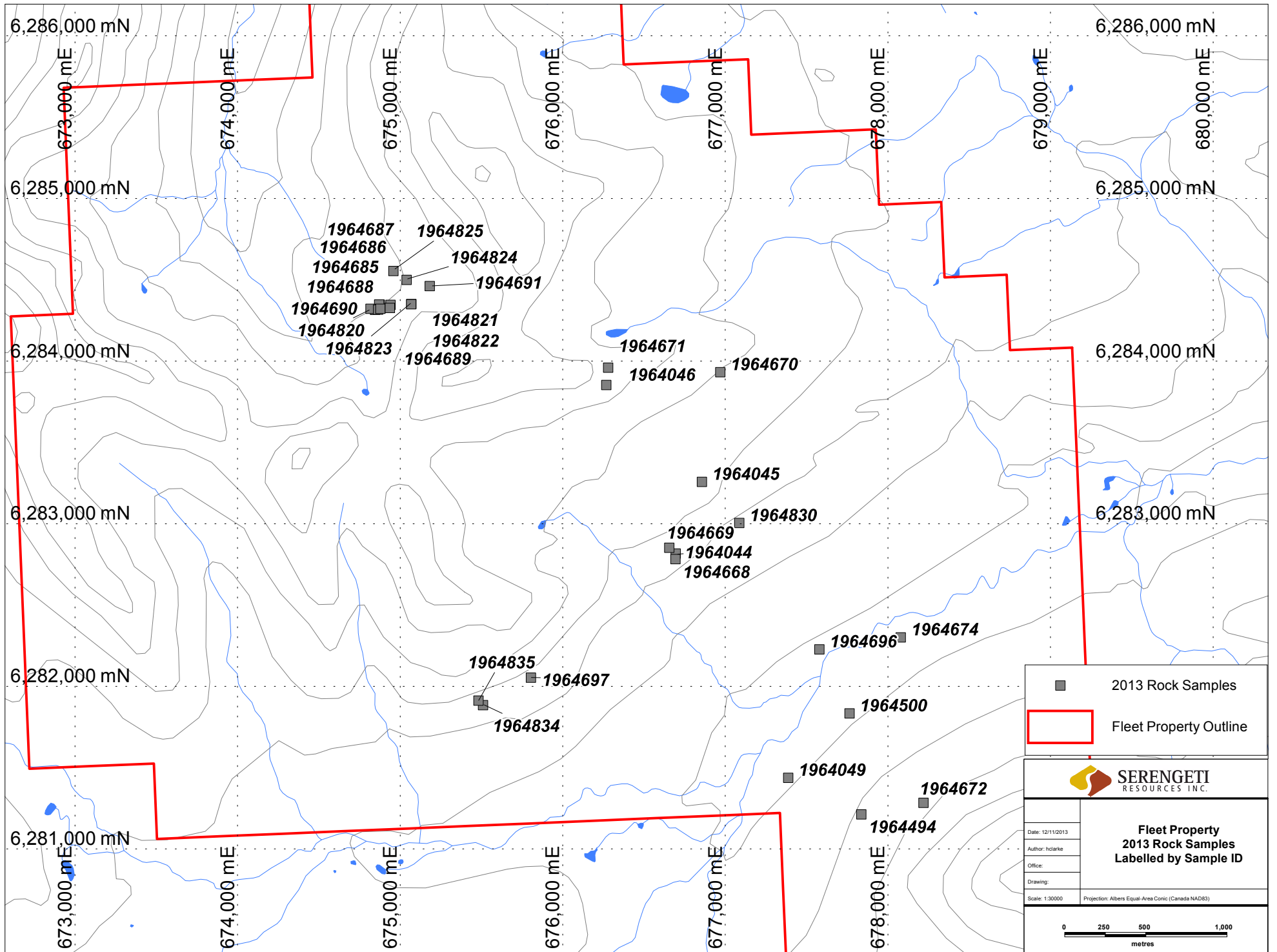
| | |
|------------------|--|
| Date: 12/11/2013 | <p>Scale: 1:20000</p> <p>Projection: UTM Zone 9 (NAD 83)</p> |
| Author: Incharke | |
| Office: | |
| Drawing: | |




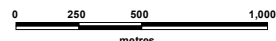
0 200 400 800 metres

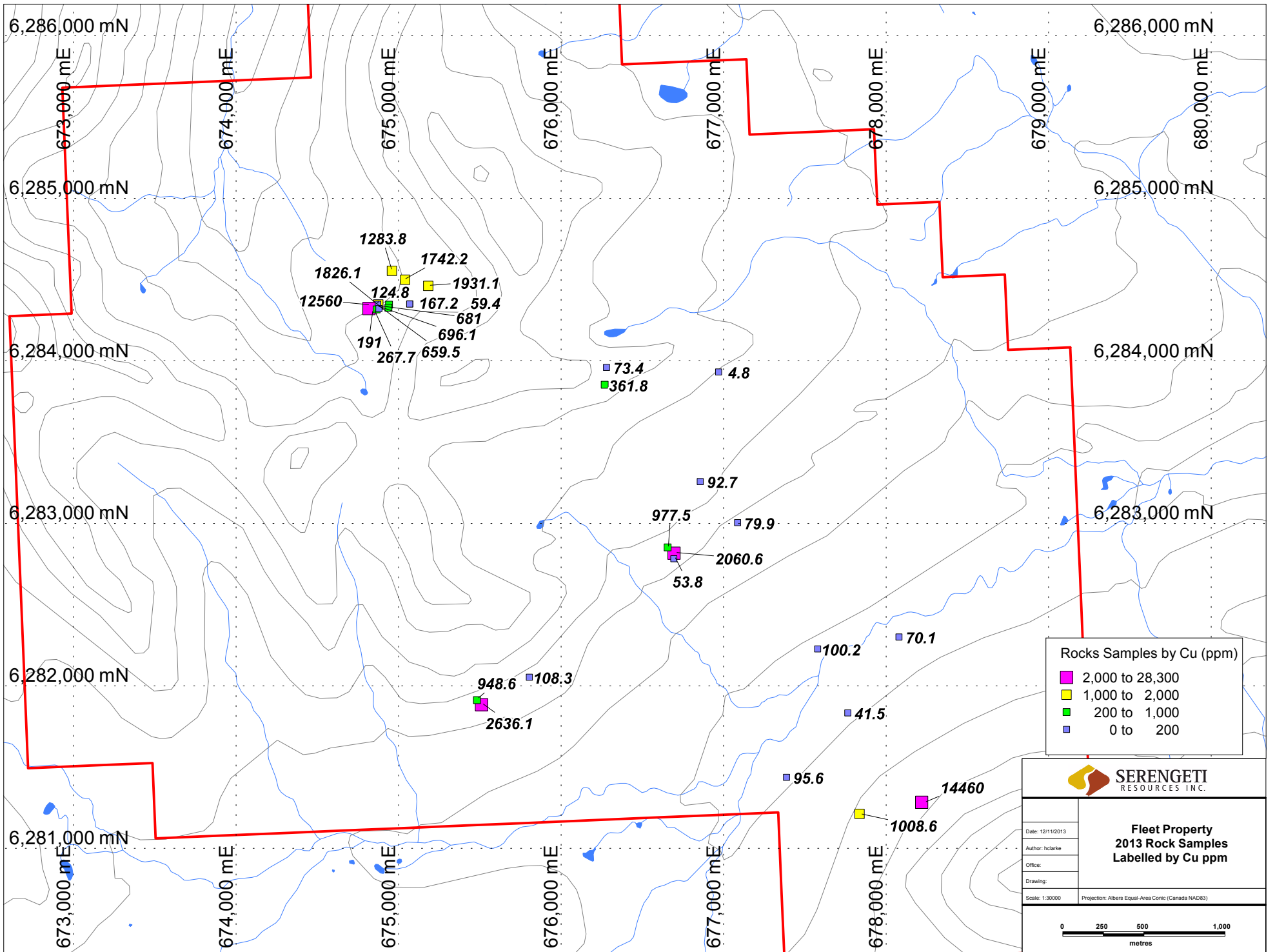








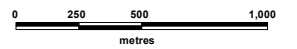
| | |
|--|--|
|  | 2013 Rock Samples |
|  | Fleet Property Outline |
|  SERENGETI RESOURCES INC. | |
| Fleet Property 2013 Rock Samples Labelled by Sample ID | |
| Date: 12/11/2013 | |
| Author: hclarke | |
| Office: | |
| Drawing: | |
| Scale: 1:30000 | Projection: Albers Equal-Area Conic (Canada NAD83) |
|  | |



**Fleet Property
2013 Rock Samples
Labelled by Cu ppm**

Date: 12/11/2013
 Author: hclarke
 Office:
 Drawing:
 Scale: 1:30000

Projection: Albers Equal-Area Conic (Canada NAD83)



Appendix E – Analytical Certificates and Procedures



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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8 CANADA

Submitted By: Hilary Clarke and Dave Moore
Receiving Lab: Canada-Smithers
Received: August 16, 2013
Report Date: September 05, 2013
Page: 1 of 5

CERTIFICATE OF ANALYSIS

SMI13000189.1

CLIENT JOB INFORMATION

Project: Fleet
Shipment ID:
P.O. Number
Number of Samples: 111

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

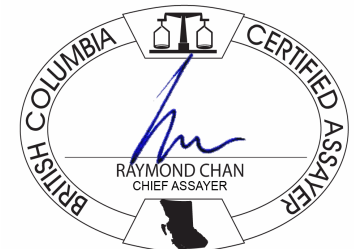
Invoice To: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|---|--------------|---------------|-----|
| Air Dry | 111 | Air Dry | | | SMI |
| SS80 | 111 | Dry at 60C sieve 100g to -80 mesh | | | SMI |
| RJSV | 111 | Saving all or part of Soil Reject | | | SMI |
| 1F05 | 92 | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15 | Completed | VAN |
| 1F04 | 19 | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 0.5 | Completed | VAN |

ADDITIONAL COMMENTS



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



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Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: **Serengeti Resources**
 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: Fleet
 Report Date: September 05, 2013

Page: 2 of 5

Part: 1 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | Unit | MDL | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|---------|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| | | | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| 1964677 | Soil | | | 22.07 | 31.11 | 3.84 | 25.9 | 286 | 6.9 | 2.7 | 190 | 0.31 | 0.6 | 0.2 | 7.3 | 0.1 | 97.8 | 0.60 | 0.16 | 0.12 | 7 | 2.02 | 0.081 |
| 1964851 | Soil | | | 47.70 | 129.1 | 4.52 | 31.9 | 748 | 22.2 | 20.9 | 606 | 1.25 | 0.9 | 0.5 | 9.4 | <0.1 | 48.6 | 0.53 | 0.07 | 0.09 | 30 | 0.89 | 0.187 |
| 1964852 | Soil | | | 10.00 | 23.94 | 3.46 | 30.1 | 82 | 13.3 | 3.3 | 268 | 0.45 | 0.8 | <0.1 | 6.3 | <0.1 | 19.9 | 0.12 | 0.08 | 0.05 | 9 | 0.52 | 0.119 |
| 1964854 | Soil | | | 8.31 | 38.66 | 5.24 | 25.3 | 226 | 14.4 | 11.9 | 93 | 0.49 | 0.6 | <0.1 | 4.9 | <0.1 | 26.6 | 0.25 | 0.09 | 0.06 | 11 | 0.45 | 0.100 |
| 1964855 | Soil | | | 4.80 | 16.12 | 4.37 | 26.9 | 81 | 11.0 | 3.4 | 166 | 0.32 | 0.4 | <0.1 | 1.6 | <0.1 | 16.9 | 0.10 | 0.11 | 0.04 | 6 | 0.45 | 0.122 |
| 1964901 | Soil | | | 49.96 | 44.61 | 4.07 | 104.6 | 95 | 6.4 | 7.4 | 398 | 0.18 | 0.7 | <0.1 | 1.6 | <0.1 | 44.8 | 2.30 | 0.05 | 0.03 | 4 | 1.40 | 0.094 |
| 1964902 | Soil | | | 1.97 | 29.39 | 3.75 | 23.1 | 123 | 10.4 | 4.9 | 517 | 0.42 | 0.8 | <0.1 | 2.9 | <0.1 | 52.3 | 0.15 | 0.06 | 0.04 | 8 | 0.86 | 0.104 |
| 1964905 | Soil | | | 8.17 | 23.53 | 3.29 | 26.7 | 98 | 13.4 | 4.1 | 44 | 0.48 | 0.6 | <0.1 | 3.8 | 0.1 | 26.9 | 0.15 | 0.07 | 0.04 | 9 | 0.49 | 0.077 |
| 1964906 | Soil | | | 17.17 | 185.6 | 2.21 | 45.8 | 79 | 78.5 | 18.7 | 319 | 3.19 | 1.3 | 0.4 | 6.6 | 0.4 | 41.0 | 0.22 | 0.04 | 0.13 | 86 | 0.55 | 0.057 |
| 1964907 | Soil | | | 15.85 | 122.1 | 3.02 | 18.2 | 429 | 17.2 | 15.7 | 232 | 1.31 | 1.2 | 0.7 | 6.6 | <0.1 | 59.5 | 0.51 | 0.06 | 0.08 | 30 | 1.28 | 0.098 |
| 1964909 | Soil | | | 18.86 | 39.11 | 4.29 | 37.5 | 490 | 19.1 | 11.1 | 583 | 0.63 | 0.3 | <0.1 | 8.7 | <0.1 | 35.2 | 0.64 | 0.05 | 0.05 | 14 | 0.78 | 0.093 |
| 1964910 | Soil | | | 13.39 | 35.84 | 5.63 | 20.7 | 138 | 17.7 | 7.2 | 509 | 0.88 | 0.5 | 0.1 | 14.8 | <0.1 | 28.6 | 0.17 | 0.07 | 0.06 | 21 | 0.46 | 0.083 |
| 1964911 | Soil | | | 18.70 | 11.19 | 2.48 | 13.1 | 103 | 10.0 | 2.4 | 29 | 0.23 | 0.6 | <0.1 | <0.2 | 0.1 | 36.8 | 0.07 | 0.04 | 0.02 | 4 | 0.67 | 0.070 |
| 1964913 | Soil | | | 2.67 | 16.11 | 6.96 | 20.8 | 189 | 9.2 | 2.3 | 324 | 0.59 | 0.7 | 0.1 | 0.5 | 0.1 | 42.0 | 0.23 | 0.09 | 0.06 | 19 | 0.60 | 0.069 |
| 1964914 | Soil | | | 1.96 | 16.45 | 2.96 | 16.8 | 277 | 9.4 | 6.2 | 89 | 0.62 | 2.3 | <0.1 | 1.9 | <0.1 | 35.4 | 1.55 | 0.07 | 0.09 | 14 | 0.82 | 0.097 |
| 1964856 | Soil | | | 8.58 | 19.01 | 5.02 | 43.3 | 132 | 12.5 | 3.3 | 293 | 0.40 | 0.5 | <0.1 | 3.3 | <0.1 | 20.4 | 0.07 | 0.11 | 0.06 | 9 | 0.61 | 0.111 |
| 1964857 | Soil | | | 28.87 | 23.07 | 3.63 | 26.4 | 194 | 15.3 | 10.2 | 96 | 0.38 | 0.2 | <0.1 | 1.4 | <0.1 | 47.0 | 0.61 | 0.03 | 0.03 | 8 | 0.83 | 0.083 |
| 1964858 | Soil | | | 51.85 | 43.71 | 4.68 | 53.1 | 206 | 14.0 | 18.0 | 127 | 0.58 | 0.7 | 0.1 | 2.3 | 0.2 | 48.5 | 1.08 | 0.07 | 0.05 | 13 | 1.09 | 0.075 |
| 1964859 | Soil | | | 12.69 | 86.77 | 6.29 | 27.1 | 143 | 15.3 | 6.6 | 93 | 1.13 | 0.6 | 1.1 | 4.0 | 0.2 | 59.5 | 1.41 | 0.08 | 0.15 | 26 | 0.66 | 0.061 |
| 1964860 | Soil | | | 7.56 | 13.55 | 2.01 | 42.6 | 183 | 4.8 | 1.7 | 45 | 0.13 | 0.1 | <0.1 | 0.8 | <0.1 | 51.3 | 1.08 | 0.03 | <0.02 | <2 | 0.76 | 0.069 |
| 1964861 | Soil | | | 11.27 | 27.87 | 5.78 | 15.3 | 144 | 11.4 | 3.2 | 50 | 0.68 | 0.6 | 0.1 | 3.9 | <0.1 | 25.1 | 0.40 | 0.12 | 0.07 | 18 | 0.23 | 0.062 |
| 1964863 | Soil | | | 1.17 | 13.76 | 5.36 | 28.2 | 190 | 8.4 | 4.3 | 176 | 1.27 | 1.1 | 0.1 | 2.3 | <0.1 | 14.0 | 0.26 | 0.11 | 0.07 | 41 | 0.16 | 0.092 |
| 1964864 | Soil | | | 1.68 | 18.86 | 7.60 | 29.6 | 198 | 13.1 | 5.1 | 143 | 1.46 | 1.3 | 0.2 | 1.5 | <0.1 | 23.1 | 0.28 | 0.15 | 0.15 | 55 | 0.20 | 0.054 |
| 1964865 | Soil | | | 4.77 | 17.04 | 7.03 | 28.3 | 136 | 11.1 | 4.2 | 80 | 1.53 | 0.8 | 0.2 | 1.2 | 0.3 | 30.5 | 0.36 | 0.15 | 0.08 | 61 | 0.25 | 0.052 |
| 1964866 | Soil | | | 5.08 | 13.48 | 2.69 | 13.4 | 71 | 4.8 | 2.5 | 32 | 0.26 | <0.1 | <0.1 | 1.2 | <0.1 | 43.2 | 1.01 | 0.04 | <0.02 | 6 | 1.02 | 0.078 |
| 1964867 | Soil | | | 26.23 | 50.14 | 2.05 | 29.3 | 609 | 6.6 | 4.5 | 77 | 0.80 | 1.1 | 2.6 | 1.4 | 0.2 | 61.4 | 1.64 | 0.03 | 0.04 | 20 | 0.99 | 0.060 |
| 1964868 | Soil | | | 4.71 | 32.05 | 8.75 | 19.1 | 382 | 13.5 | 2.3 | 39 | 0.60 | 0.4 | 0.4 | 1.0 | <0.1 | 26.1 | 0.37 | 0.08 | 0.12 | 19 | 0.16 | 0.072 |
| 1964869 | Soil | | | 27.84 | 25.70 | 5.25 | 32.9 | 98 | 7.8 | 4.7 | 123 | 0.93 | 0.5 | 0.6 | 0.3 | 0.1 | 60.5 | 0.34 | 0.07 | 0.06 | 27 | 0.99 | 0.045 |
| 1964870 | Soil | | | 1.49 | 19.09 | 7.32 | 15.6 | 465 | 5.7 | 1.5 | 50 | 0.91 | 0.6 | 0.4 | 1.5 | <0.1 | 21.5 | 0.14 | 0.08 | 0.10 | 23 | 0.18 | 0.112 |
| 1964871 | Soil | | | 1.94 | 8.88 | 7.85 | 26.1 | 1166 | 5.8 | 1.5 | 111 | 0.48 | 0.3 | 0.1 | 3.8 | <0.1 | 27.7 | 0.11 | 0.10 | 0.10 | 20 | 0.30 | 0.071 |



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 1700 - 750 W. Pender Street
 Vancouver BC V6C 2T8 CANADA

Project: Fleet
 Report Date: September 05, 2013

Page: 2 of 5 Part: 2 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------|---------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| 1964677 | Soil | 1.9 | 10.0 | 0.08 | 53.0 | 0.016 | 10 | 0.31 | 0.018 | 0.08 | <0.1 | 1.3 | 0.06 | 0.10 | 128 | 0.3 | <0.02 | 1.0 | 0.38 | 0.2 | 0.02 |
| 1964851 | Soil | 7.8 | 31.0 | 0.53 | 62.6 | 0.009 | 3 | 1.84 | 0.014 | 0.10 | 1.0 | 0.4 | 0.06 | 0.22 | 96 | 0.5 | 0.03 | 3.8 | 2.22 | <0.1 | <0.02 |
| 1964852 | Soil | 0.6 | 15.0 | 0.15 | 51.1 | 0.016 | 2 | 0.26 | 0.012 | 0.08 | 0.4 | 1.3 | 0.14 | 0.13 | 161 | 0.2 | 0.06 | 0.9 | 0.96 | <0.1 | <0.02 |
| 1964854 | Soil | 1.4 | 12.0 | 0.10 | 136.3 | 0.013 | 2 | 0.34 | 0.017 | 0.07 | 0.3 | 0.9 | 0.04 | 0.11 | 163 | 0.5 | 0.03 | 1.1 | 0.68 | <0.1 | <0.02 |
| 1964855 | Soil | 0.7 | 9.5 | 0.12 | 52.3 | 0.013 | 2 | 0.23 | 0.012 | 0.09 | 0.2 | 1.2 | 0.12 | 0.15 | 313 | 0.2 | <0.02 | 0.6 | 1.07 | <0.1 | <0.02 |
| 1964901 | Soil | <0.5 | 6.2 | 0.24 | 35.7 | 0.006 | 5 | 0.15 | 0.011 | 0.06 | 0.2 | 0.7 | 0.09 | 0.22 | 220 | 0.3 | <0.02 | 0.4 | 0.66 | <0.1 | <0.02 |
| 1964902 | Soil | 0.6 | 11.7 | 0.14 | 216.2 | 0.010 | 2 | 0.33 | 0.012 | 0.06 | 0.5 | 0.4 | 0.19 | 0.11 | 339 | 0.3 | 0.04 | 0.8 | 0.87 | <0.1 | <0.02 |
| 1964905 | Soil | 0.8 | 14.2 | 0.15 | 44.4 | 0.018 | 2 | 0.28 | 0.011 | 0.03 | 0.2 | 1.2 | 0.04 | 0.16 | 237 | 0.4 | 0.04 | 0.7 | 0.79 | 0.1 | <0.02 |
| 1964906 | Soil | 2.8 | 88.8 | 1.51 | 84.6 | 0.107 | 1 | 2.26 | 0.024 | 0.05 | 1.5 | 4.3 | 0.05 | 0.04 | 36 | 0.3 | 0.14 | 6.0 | 1.91 | <0.1 | <0.02 |
| 1964907 | Soil | 6.2 | 25.7 | 0.36 | 89.7 | 0.037 | 2 | 0.93 | 0.012 | 0.05 | 1.2 | 1.9 | 0.06 | 0.17 | 106 | 0.9 | 0.06 | 3.2 | 1.21 | <0.1 | <0.02 |
| 1964909 | Soil | 0.8 | 16.9 | 0.32 | 80.2 | 0.020 | 2 | 0.44 | 0.014 | 0.11 | 0.4 | 1.1 | 0.03 | 0.14 | 107 | 0.5 | 0.02 | 1.2 | 1.40 | <0.1 | <0.02 |
| 1964910 | Soil | 1.4 | 20.0 | 0.30 | 109.4 | 0.031 | 2 | 0.58 | 0.012 | 0.07 | 0.6 | 1.2 | 0.05 | 0.12 | 76 | 0.4 | <0.02 | 1.9 | 1.61 | <0.1 | <0.02 |
| 1964911 | Soil | 0.6 | 8.9 | 0.07 | 87.7 | 0.009 | 1 | 0.23 | 0.013 | 0.06 | <0.1 | 0.9 | <0.02 | 0.16 | 172 | 0.3 | <0.02 | 0.5 | 0.27 | 0.1 | <0.02 |
| 1964913 | Soil | 2.0 | 9.9 | 0.10 | 298.2 | 0.038 | 2 | 0.39 | 0.011 | 0.06 | 0.1 | 1.2 | 0.03 | 0.11 | 145 | 0.3 | 0.02 | 1.9 | 0.47 | <0.1 | <0.02 |
| 1964914 | Soil | 0.8 | 17.5 | 0.24 | 50.4 | 0.025 | 2 | 0.42 | 0.014 | 0.08 | 0.3 | 1.5 | <0.02 | 0.17 | 116 | 0.5 | <0.02 | 1.3 | 0.37 | 0.1 | <0.02 |
| 1964856 | Soil | 0.9 | 12.9 | 0.12 | 76.8 | 0.017 | 5 | 0.23 | 0.012 | 0.07 | 0.2 | 1.2 | 0.15 | 0.14 | 349 | 0.5 | <0.02 | 0.9 | 1.07 | 0.1 | <0.02 |
| 1964857 | Soil | <0.5 | 13.5 | 0.26 | 24.8 | 0.015 | 3 | 0.28 | 0.015 | 0.07 | 0.5 | 1.0 | 0.04 | 0.18 | 70 | 0.4 | 0.03 | 0.7 | 0.85 | <0.1 | <0.02 |
| 1964858 | Soil | 1.1 | 15.1 | 0.20 | 70.0 | 0.021 | 2 | 0.39 | 0.013 | 0.05 | 0.5 | 1.6 | 0.04 | 0.16 | 146 | 0.4 | 0.03 | 1.4 | 1.28 | 0.1 | 0.03 |
| 1964859 | Soil | 8.4 | 29.2 | 0.28 | 209.2 | 0.051 | 2 | 0.75 | 0.011 | 0.07 | 0.7 | 2.7 | 0.04 | 0.08 | 72 | 0.4 | 0.04 | 3.6 | 1.57 | 0.1 | <0.02 |
| 1964860 | Soil | 0.6 | 4.3 | 0.07 | 136.8 | 0.005 | 2 | 0.11 | 0.009 | 0.07 | <0.1 | 0.8 | <0.02 | 0.17 | 102 | 0.5 | <0.02 | 0.3 | 0.16 | <0.1 | <0.02 |
| 1964861 | Soil | 2.3 | 14.6 | 0.13 | 235.9 | 0.022 | 1 | 0.38 | 0.013 | 0.07 | 0.2 | 1.1 | 0.04 | 0.06 | 110 | 0.2 | 0.02 | 1.8 | 0.93 | <0.1 | <0.02 |
| 1964863 | Soil | 1.6 | 18.3 | 0.25 | 59.6 | 0.046 | <1 | 0.71 | 0.009 | 0.05 | 0.8 | 0.7 | 0.02 | 0.09 | 110 | 0.2 | 0.02 | 3.4 | 0.38 | <0.1 | <0.02 |
| 1964864 | Soil | 3.1 | 24.2 | 0.24 | 186.7 | 0.079 | <1 | 0.71 | 0.009 | 0.04 | 0.1 | 1.3 | 0.03 | 0.05 | 62 | 0.2 | 0.02 | 4.4 | 0.30 | <0.1 | <0.02 |
| 1964865 | Soil | 2.8 | 21.3 | 0.20 | 150.7 | 0.090 | <1 | 0.63 | 0.013 | 0.03 | 0.2 | 1.7 | <0.02 | 0.07 | 83 | 0.1 | 0.04 | 4.5 | 0.37 | <0.1 | <0.02 |
| 1964866 | Soil | 0.7 | 7.2 | 0.14 | 27.5 | 0.010 | 3 | 0.16 | 0.012 | 0.08 | 0.1 | 0.9 | <0.02 | 0.19 | 110 | 0.4 | <0.02 | 0.5 | 0.16 | <0.1 | <0.02 |
| 1964867 | Soil | 3.1 | 15.1 | 0.19 | 24.3 | 0.033 | 2 | 0.52 | 0.014 | 0.04 | 0.1 | 2.3 | 0.05 | 0.15 | 146 | 0.8 | 0.04 | 2.0 | 0.98 | 0.1 | <0.02 |
| 1964868 | Soil | 4.6 | 11.5 | 0.09 | 163.0 | 0.007 | <1 | 0.55 | 0.016 | 0.05 | <0.1 | 0.3 | 0.03 | 0.06 | 96 | <0.1 | <0.02 | 3.3 | 0.37 | <0.1 | <0.02 |
| 1964869 | Soil | 1.7 | 30.5 | 0.42 | 44.5 | 0.120 | 2 | 0.63 | 0.010 | 0.04 | 0.1 | 1.8 | 0.02 | 0.09 | 71 | 0.5 | 0.03 | 2.8 | 0.60 | 0.1 | <0.02 |
| 1964870 | Soil | 3.4 | 14.5 | 0.10 | 64.2 | 0.005 | <1 | 0.69 | 0.011 | 0.04 | <0.1 | 0.2 | 0.03 | 0.06 | 101 | 0.2 | <0.02 | 4.5 | 0.70 | <0.1 | <0.02 |
| 1964871 | Soil | 2.5 | 10.4 | 0.09 | 100.5 | 0.031 | <1 | 0.34 | 0.009 | 0.05 | 0.1 | 0.5 | 0.03 | 0.09 | 136 | 0.2 | 0.02 | 3.0 | 0.88 | <0.1 | <0.02 |

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Page: 2 of 5

Part: 3 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|---------|------|------|------|-------|------|------|------|-------|------|------|------|------|-----|------|------|------|-----|-----|-----|-----|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | Mo | Cu | Pb | Zn | Ag | Ni | Co |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb | ppm | ppm | ppm | ppm | ppb | ppm | ppm | |
| MDL | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 |
| 1964677 | Soil | 0.33 | 5.1 | 0.2 | <0.05 | 0.4 | 1.23 | 3.0 | 0.04 | 3 | <0.1 | 0.5 | <10 | <2 | | | | | | | |
| 1964851 | Soil | 1.01 | 14.2 | 0.5 | <0.05 | 0.1 | 4.80 | 11.9 | <0.02 | <1 | 0.3 | 5.5 | <10 | <2 | | | | | | | |
| 1964852 | Soil | 0.10 | 10.4 | 0.2 | <0.05 | 0.3 | 0.40 | 1.1 | <0.02 | <1 | <0.1 | 0.9 | <10 | <2 | | | | | | | |
| 1964854 | Soil | 0.20 | 8.2 | 0.2 | <0.05 | <0.1 | 0.67 | 2.6 | <0.02 | <1 | <0.1 | 0.7 | <10 | <2 | | | | | | | |
| 1964855 | Soil | 0.09 | 9.6 | 0.2 | <0.05 | 0.2 | 0.34 | 1.4 | <0.02 | <1 | <0.1 | 0.7 | <10 | <2 | | | | | | | |
| 1964901 | Soil | 0.06 | 6.6 | 0.1 | <0.05 | 0.3 | 0.37 | 0.8 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 | | | | | | | |
| 1964902 | Soil | 0.09 | 11.0 | 0.1 | <0.05 | <0.1 | 0.45 | 1.2 | <0.02 | <1 | <0.1 | 0.8 | <10 | <2 | | | | | | | |
| 1964905 | Soil | 0.16 | 3.7 | 0.2 | <0.05 | 0.4 | 0.52 | 1.6 | <0.02 | <1 | <0.1 | 0.8 | <10 | <2 | | | | | | | |
| 1964906 | Soil | 0.69 | 6.9 | 0.2 | <0.05 | 0.6 | 2.86 | 5.7 | <0.02 | <1 | 0.1 | 12.4 | <10 | 3 | | | | | | | |
| 1964907 | Soil | 0.91 | 7.4 | 0.2 | <0.05 | 0.6 | 5.29 | 6.7 | <0.02 | <1 | 0.2 | 3.4 | <10 | <2 | | | | | | | |
| 1964909 | Soil | 0.17 | 16.0 | 0.2 | <0.05 | 0.4 | 0.60 | 1.7 | <0.02 | <1 | <0.1 | 2.1 | <10 | <2 | | | | | | | |
| 1964910 | Soil | 0.32 | 19.2 | 0.2 | <0.05 | 0.2 | 1.00 | 2.6 | <0.02 | <1 | <0.1 | 2.2 | <10 | <2 | | | | | | | |
| 1964911 | Soil | 0.09 | 4.5 | 0.2 | <0.05 | 0.4 | 0.44 | 1.2 | <0.02 | <1 | <0.1 | 0.2 | <10 | <2 | | | | | | | |
| 1964913 | Soil | 0.84 | 5.7 | 0.3 | <0.05 | 0.3 | 0.91 | 3.9 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 | | | | | | | |
| 1964914 | Soil | 0.22 | 3.5 | 0.2 | <0.05 | 0.4 | 0.64 | 1.4 | <0.02 | <1 | <0.1 | 1.4 | <10 | <2 | | | | | | | |
| 1964856 | Soil | 0.12 | 10.3 | <0.1 | <0.05 | 0.3 | 0.46 | 1.7 | <0.02 | <1 | <0.1 | 0.7 | <10 | <2 | | | | | | | |
| 1964857 | Soil | 0.14 | 6.1 | 0.2 | <0.05 | 0.5 | 0.37 | 0.9 | <0.02 | <1 | <0.1 | 0.9 | <10 | <2 | | | | | | | |
| 1964858 | Soil | 0.19 | 10.2 | <0.1 | <0.05 | 0.5 | 0.85 | 2.3 | <0.02 | <1 | 0.1 | 1.3 | <10 | <2 | | | | | | | |
| 1964859 | Soil | 1.05 | 12.8 | 0.4 | <0.05 | 0.5 | 4.91 | 9.8 | <0.02 | <1 | 0.2 | 2.7 | <10 | <2 | | | | | | | |
| 1964860 | Soil | 0.05 | 3.9 | <0.1 | <0.05 | 0.4 | 0.26 | 0.8 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 | | | | | | | |
| 1964861 | Soil | 0.27 | 10.8 | 0.3 | <0.05 | 0.1 | 1.05 | 4.8 | <0.02 | <1 | <0.1 | 0.6 | <10 | <2 | | | | | | | |
| 1964863 | Soil | 1.02 | 4.5 | 0.3 | <0.05 | 0.2 | 0.93 | 2.8 | <0.02 | <1 | <0.1 | 2.2 | <10 | <2 | | | | | | | |
| 1964864 | Soil | 1.60 | 2.3 | 0.7 | <0.05 | 0.2 | 1.67 | 6.0 | <0.02 | <1 | 0.1 | 1.7 | <10 | <2 | | | | | | | |
| 1964865 | Soil | 1.98 | 3.3 | 0.4 | <0.05 | 0.3 | 1.51 | 5.3 | <0.02 | <1 | 0.2 | 1.5 | <10 | <2 | | | | | | | |
| 1964866 | Soil | 0.16 | 2.7 | <0.1 | <0.05 | 0.4 | 0.45 | 1.1 | <0.02 | <1 | <0.1 | 0.3 | <10 | <2 | | | | | | | |
| 1964867 | Soil | 0.71 | 3.2 | 0.2 | <0.05 | 0.5 | 2.82 | 3.8 | <0.02 | <1 | 0.2 | 4.0 | <10 | <2 | | | | | | | |
| 1964868 | Soil | 1.22 | 3.6 | 0.6 | <0.05 | <0.1 | 1.36 | 8.3 | <0.02 | <1 | 0.2 | 0.5 | <10 | <2 | | | | | | | |
| 1964869 | Soil | 0.79 | 4.8 | 0.2 | <0.05 | 0.2 | 1.28 | 3.4 | <0.02 | <1 | <0.1 | 2.6 | <10 | <2 | | | | | | | |
| 1964870 | Soil | 0.51 | 4.5 | 0.6 | <0.05 | <0.1 | 1.32 | 6.6 | <0.02 | <1 | 0.2 | 1.2 | <10 | <2 | | | | | | | |
| 1964871 | Soil | 1.75 | 5.7 | 0.7 | <0.05 | 0.2 | 0.80 | 4.9 | <0.02 | <1 | <0.1 | 0.6 | <10 | <2 | | | | | | | |

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Page: 2 of 5

Part: 4 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|------|------|-----|-----|-----|-----|-----|------|------|------|-----|------|-------|-----|-----|------|-----|-------|-----|------|--|
| Analyte | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | |
| Unit | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | |
| MDL | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 20 | 0.01 | |
| 1964677 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964851 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964852 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964854 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964855 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964901 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964902 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964905 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964906 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964907 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964909 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964910 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964911 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964913 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964914 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964856 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964857 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964858 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964859 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964860 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964861 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964863 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964864 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964865 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964866 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964867 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964868 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964869 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964870 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964871 | Soil | | | | | | | | | | | | | | | | | | | | |



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Page: 2 of 5

Part: 5 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|-------|------|-----|-----|------|------|-----|-----|------|-----|------|-----|------|------|-----|-----|------|-----|------|-----|--|
| Analyte | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf | Nb | Rb | Sn | Ta | Zr | Y | Ce | |
| Unit | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | |
| 1964677 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964851 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964852 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964854 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964855 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964901 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964902 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964905 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964906 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964907 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964909 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964910 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964911 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964913 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964914 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964856 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964857 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964858 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964859 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964860 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964861 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964863 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964864 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964865 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964866 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964867 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964868 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964869 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964870 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964871 | Soil | | | | | | | | | | | | | | | | | | | | |



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Page: 2 of 5

Part: 6 of 6

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| | Method Analyte Unit MDL | 1F | 1F | 1F | 1F | 1F | 1F |
|---------|----------------------------------|------|-----|-----|-----|-----|-----|
| | | In | Re | Be | Li | Pd | Pt |
| | | ppm | ppb | ppm | ppm | ppb | ppb |
| | | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| 1964677 | Soil | | | | | | |
| 1964851 | Soil | | | | | | |
| 1964852 | Soil | | | | | | |
| 1964854 | Soil | | | | | | |
| 1964855 | Soil | | | | | | |
| 1964901 | Soil | | | | | | |
| 1964902 | Soil | | | | | | |
| 1964905 | Soil | | | | | | |
| 1964906 | Soil | | | | | | |
| 1964907 | Soil | | | | | | |
| 1964909 | Soil | | | | | | |
| 1964910 | Soil | | | | | | |
| 1964911 | Soil | | | | | | |
| 1964913 | Soil | | | | | | |
| 1964914 | Soil | | | | | | |
| 1964856 | Soil | | | | | | |
| 1964857 | Soil | | | | | | |
| 1964858 | Soil | | | | | | |
| 1964859 | Soil | | | | | | |
| 1964860 | Soil | | | | | | |
| 1964861 | Soil | | | | | | |
| 1964863 | Soil | | | | | | |
| 1964864 | Soil | | | | | | |
| 1964865 | Soil | | | | | | |
| 1964866 | Soil | | | | | | |
| 1964867 | Soil | | | | | | |
| 1964868 | Soil | | | | | | |
| 1964869 | Soil | | | | | | |
| 1964870 | Soil | | | | | | |
| 1964871 | Soil | | | | | | |



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Page: 3 of 5

Part: 1 of 6

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SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------|---------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|-------|------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| 1964682 | Soil | 2.73 | 10.14 | 3.91 | 29.3 | 584 | 10.4 | 2.4 | 178 | 0.33 | 0.9 | <0.1 | 1.1 | <0.1 | 28.8 | 0.19 | 0.05 | 0.05 | 10 | 0.30 | 0.105 | |
| 1964872 | Soil | 312.4 | 24.51 | 1.40 | 16.1 | 66 | 2.2 | 0.7 | 49 | 0.09 | <0.1 | 1.9 | 0.4 | <0.1 | 105.4 | 0.83 | 0.10 | <0.02 | <2 | 3.07 | 0.058 | |
| 1964915 | Soil | 9.89 | 13.57 | 5.80 | 43.8 | 223 | 7.2 | 2.5 | 371 | 0.54 | <0.1 | <0.1 | 1.0 | <0.1 | 26.1 | 0.12 | 0.09 | 0.05 | 19 | 0.34 | 0.098 | |
| 1964917 | Soil | 31.96 | 50.94 | 5.38 | 22.8 | 519 | 8.5 | 2.7 | 47 | 0.31 | 0.1 | 0.2 | 2.0 | 0.1 | 41.7 | 1.08 | 0.09 | 0.16 | 6 | 0.50 | 0.082 | |
| 1964918 | Soil | 26.22 | 53.67 | 5.26 | 47.4 | 470 | 7.3 | 4.2 | 93 | 0.57 | 0.7 | 0.4 | 1.6 | <0.1 | 53.9 | 0.39 | 0.07 | 0.06 | 14 | 0.43 | 0.101 | |
| 1964920 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964921 | Soil | 18.08 | 9.08 | 2.76 | 21.9 | 112 | 3.7 | 0.6 | 174 | 0.07 | 0.6 | <0.1 | 0.7 | <0.1 | 20.0 | 0.14 | 0.03 | <0.02 | <2 | 0.37 | 0.099 | |
| 1964922 | Soil | 37.29 | 9.12 | 3.19 | 29.0 | 448 | 3.5 | 0.7 | 63 | 0.20 | 0.4 | 0.1 | 5.6 | 0.1 | 33.7 | 0.34 | 0.14 | 0.11 | 3 | 0.63 | 0.084 | |
| 1964923 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964924 | Soil | 30.13 | 204.7 | 2.35 | 28.9 | 975 | 8.2 | 5.3 | 1366 | 0.42 | 0.5 | 1.3 | 7.2 | <0.1 | 61.4 | 0.67 | 0.23 | 0.27 | 9 | 3.73 | 0.113 | |
| 1964925 | Soil | 20.07 | 136.9 | 2.33 | 13.1 | 445 | 9.0 | 5.9 | 430 | 0.46 | 0.5 | 1.2 | 6.2 | 0.1 | 59.1 | 0.45 | 0.19 | 0.21 | 11 | 3.13 | 0.095 | |
| 1964926 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964928 | Soil | 8.89 | 489.4 | 3.79 | 15.0 | 581 | 10.6 | 64.2 | 451 | 1.07 | 0.5 | 0.7 | 5.9 | <0.1 | 69.0 | 0.45 | 0.49 | 0.12 | 32 | 2.02 | 0.084 | |
| 1964929 | Soil | 23.82 | 20.29 | 1.70 | 8.7 | 496 | 4.0 | 1.6 | 21 | 0.19 | 0.5 | 0.1 | 0.9 | 0.1 | 75.3 | 0.44 | 0.07 | 0.05 | 5 | 2.66 | 0.057 | |
| 1964930 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964047 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964048 | Soil | 3.85 | 30.44 | 4.47 | 23.3 | 226 | 11.6 | 4.7 | 109 | 1.34 | 0.6 | 0.2 | 2.1 | <0.1 | 27.9 | 0.28 | 0.07 | 0.10 | 43 | 0.18 | 0.048 | |
| 1964491 | Soil | 37.43 | 98.61 | 1.93 | 12.9 | 243 | 6.1 | 4.0 | 296 | 0.64 | <0.1 | 29.8 | 1.6 | <0.1 | 78.6 | 0.69 | 0.36 | 0.04 | 16 | 2.18 | 0.090 | |
| 1964492 | Soil | 9.13 | 18.90 | 2.13 | 20.5 | 102 | 4.7 | 2.6 | 64 | 0.61 | 0.4 | 0.8 | 4.3 | 0.2 | 70.7 | 0.39 | 0.07 | 0.02 | 16 | 1.39 | 0.060 | |
| 1964495 | Soil | 9.95 | 34.87 | 5.93 | 25.6 | 314 | 9.6 | 4.7 | 67 | 0.97 | 0.6 | 0.6 | 2.8 | 0.1 | 49.9 | 0.84 | 0.12 | 0.17 | 35 | 1.32 | 0.058 | |
| 1964496 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964497 | Soil | 13.16 | 37.58 | 6.39 | 21.8 | 268 | 8.2 | 4.2 | 230 | 1.04 | 0.6 | 1.4 | 2.8 | <0.1 | 41.8 | 0.42 | 0.13 | 0.13 | 37 | 0.59 | 0.065 | |
| 1964498 | Soil | 12.33 | 42.52 | 8.19 | 41.1 | 151 | 11.8 | 4.1 | 118 | 0.97 | 0.6 | 0.4 | 0.8 | <0.1 | 32.0 | 0.89 | 0.14 | 0.15 | 30 | 0.32 | 0.061 | |
| 1964499 | Soil | 2.38 | 11.42 | 6.66 | 13.9 | 597 | 6.6 | 1.5 | 53 | 0.51 | 0.6 | 0.1 | 1.8 | <0.1 | 33.0 | 0.28 | 0.12 | 0.07 | 18 | 0.32 | 0.081 | |
| 1964873 | Soil | 152.2 | 14.83 | 1.62 | 22.2 | 50 | 2.0 | 0.5 | 39 | 0.13 | <0.1 | 1.5 | 1.6 | <0.1 | 62.1 | 0.83 | 0.06 | <0.02 | 4 | 2.38 | 0.059 | |
| 1964874 | Soil | 10.90 | 9.37 | 2.17 | 18.9 | 193 | 3.2 | 1.6 | 73 | 0.46 | 0.3 | 0.3 | 0.8 | 0.2 | 26.0 | 0.18 | 0.10 | 0.02 | 14 | 0.43 | 0.061 | |
| 1964875 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964878 | Soil | 8.53 | 13.89 | 4.82 | 10.9 | 448 | 6.5 | 2.8 | 126 | 0.67 | 0.4 | <0.1 | 2.9 | <0.1 | 37.9 | 0.40 | 0.12 | 0.11 | 30 | 0.52 | 0.061 | |
| 1964879 | Soil | 8.67 | 26.26 | 6.43 | 14.9 | 260 | 8.3 | 2.6 | 43 | 0.76 | 0.5 | 0.3 | 1.6 | <0.1 | 25.9 | 0.19 | 0.08 | 0.13 | 25 | 0.23 | 0.071 | |
| 1964881 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |

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 Report Date: September 05, 2013

Page: 3 of 5

Part: 2 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------|---------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| 1964682 | Soil | 1.0 | 22.1 | 0.14 | 99.5 | 0.022 | 1 | 0.33 | 0.013 | 0.07 | <0.1 | 0.6 | 0.04 | 0.13 | 149 | 0.1 | <0.02 | 1.2 | 0.77 | <0.1 | <0.02 |
| 1964872 | Soil | 1.3 | 4.2 | 0.12 | 23.0 | 0.003 | 9 | 0.10 | 0.012 | 0.03 | <0.1 | 0.6 | <0.02 | 0.20 | 92 | 1.1 | <0.02 | 0.3 | 0.14 | 0.2 | <0.02 |
| 1964915 | Soil | 1.2 | 9.0 | 0.10 | 121.1 | 0.034 | <1 | 0.30 | 0.013 | 0.09 | 0.1 | 0.8 | 0.02 | 0.12 | 150 | 0.2 | <0.02 | 1.5 | 1.59 | <0.1 | <0.02 |
| 1964917 | Soil | 1.2 | 7.9 | 0.09 | 54.9 | 0.015 | 1 | 0.20 | 0.012 | 0.07 | 0.1 | 1.3 | 0.03 | 0.13 | 165 | 0.3 | 0.08 | 0.7 | 1.90 | <0.1 | <0.02 |
| 1964918 | Soil | 3.2 | 11.1 | 0.10 | 201.9 | 0.017 | 2 | 0.38 | 0.013 | 0.07 | 0.1 | 1.2 | 0.02 | 0.11 | 167 | <0.1 | 0.03 | 1.7 | 0.93 | <0.1 | <0.02 |
| 1964920 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964921 | Soil | <0.5 | 3.3 | 0.05 | 79.5 | 0.003 | 1 | 0.09 | 0.009 | 0.08 | <0.1 | 0.5 | <0.02 | 0.17 | 122 | 0.3 | <0.02 | 0.2 | 0.36 | <0.1 | <0.02 |
| 1964922 | Soil | 0.9 | 4.5 | 0.04 | 107.5 | 0.008 | 5 | 0.11 | 0.011 | 0.06 | <0.1 | 0.9 | 0.04 | 0.12 | 225 | 0.3 | 0.03 | 0.4 | 0.71 | 0.2 | <0.02 |
| 1964923 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964924 | Soil | 7.3 | 12.0 | 0.18 | 92.2 | 0.008 | 6 | 0.81 | 0.009 | 0.02 | 0.2 | 0.9 | 0.13 | 0.22 | 146 | 1.2 | <0.02 | 1.3 | 2.30 | 0.2 | 0.04 |
| 1964925 | Soil | 7.7 | 11.3 | 0.18 | 64.8 | 0.013 | 8 | 0.79 | 0.014 | 0.04 | <0.1 | 1.3 | 0.08 | 0.22 | 112 | 0.8 | 0.06 | 1.3 | 1.06 | 0.2 | <0.02 |
| 1964926 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964928 | Soil | 23.2 | 15.9 | 0.20 | 30.4 | 0.043 | 9 | 1.48 | 0.016 | 0.05 | 0.7 | 2.0 | 0.22 | 0.17 | 126 | 2.3 | 0.09 | 3.8 | 0.97 | 0.4 | <0.02 |
| 1964929 | Soil | 1.3 | 4.1 | 0.08 | 68.3 | 0.009 | 5 | 0.17 | 0.010 | 0.04 | 0.1 | 1.0 | 0.04 | 0.20 | 149 | 0.5 | <0.02 | 0.6 | 0.42 | 0.1 | <0.02 |
| 1964930 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964047 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964048 | Soil | 2.3 | 21.3 | 0.19 | 87.7 | 0.029 | <1 | 0.85 | 0.013 | 0.02 | 0.1 | 0.8 | <0.02 | 0.05 | 44 | 0.2 | 0.06 | 3.8 | 0.31 | <0.1 | <0.02 |
| 1964491 | Soil | 8.2 | 10.3 | 0.19 | 41.7 | 0.016 | 4 | 0.77 | 0.012 | 0.05 | 0.1 | 1.2 | 0.04 | 0.15 | 97 | 2.4 | <0.02 | 1.8 | 1.20 | 0.1 | <0.02 |
| 1964492 | Soil | 2.1 | 11.6 | 0.18 | 35.9 | 0.030 | 3 | 0.50 | 0.016 | 0.05 | 0.1 | 1.8 | 0.03 | 0.15 | 67 | 1.0 | <0.02 | 1.7 | 0.23 | <0.1 | <0.02 |
| 1964495 | Soil | 3.4 | 15.6 | 0.18 | 109.8 | 0.045 | 2 | 0.49 | 0.012 | 0.04 | 0.2 | 1.5 | 0.04 | 0.12 | 140 | 0.3 | 0.02 | 2.8 | 1.42 | <0.1 | <0.02 |
| 1964496 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964497 | Soil | 3.2 | 17.7 | 0.16 | 170.4 | 0.028 | 2 | 0.51 | 0.012 | 0.06 | 0.1 | 1.5 | 0.03 | 0.06 | 109 | 0.1 | 0.04 | 2.7 | 1.29 | <0.1 | <0.02 |
| 1964498 | Soil | 3.5 | 18.3 | 0.08 | 364.8 | 0.026 | 3 | 0.48 | 0.014 | 0.04 | 0.2 | 1.6 | 0.03 | 0.05 | 76 | <0.1 | 0.03 | 2.3 | 0.38 | <0.1 | <0.02 |
| 1964499 | Soil | 2.4 | 13.3 | 0.08 | 112.5 | 0.019 | 3 | 0.32 | 0.015 | 0.07 | 0.2 | 0.7 | 0.03 | 0.07 | 108 | 0.3 | <0.02 | 1.9 | 0.41 | <0.1 | <0.02 |
| 1964873 | Soil | <0.5 | 4.4 | 0.13 | 31.6 | 0.006 | 6 | 0.10 | 0.012 | 0.05 | <0.1 | 0.7 | 0.02 | 0.16 | 147 | 2.0 | <0.02 | 0.3 | 0.27 | <0.1 | <0.02 |
| 1964874 | Soil | 1.5 | 8.8 | 0.10 | 33.7 | 0.027 | 4 | 0.27 | 0.014 | 0.05 | <0.1 | 1.6 | 0.06 | 0.07 | 147 | 0.3 | <0.02 | 1.0 | 0.98 | <0.1 | <0.02 |
| 1964875 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964878 | Soil | 2.3 | 11.9 | 0.08 | 117.4 | 0.044 | 2 | 0.27 | 0.011 | 0.08 | <0.1 | 1.2 | 0.06 | 0.07 | 94 | 0.1 | <0.02 | 1.9 | 2.24 | <0.1 | <0.02 |
| 1964879 | Soil | 5.0 | 20.9 | 0.08 | 151.3 | 0.024 | 3 | 0.74 | 0.010 | 0.04 | 0.1 | 0.8 | 0.05 | 0.07 | 107 | 0.3 | <0.02 | 3.8 | 1.03 | <0.1 | <0.02 |
| 1964881 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |

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 Report Date: September 05, 2013

Page: 3 of 5

Part: 3 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F | 1F | 1F | 1F | 1F | 1F | 1F |
|---------|---------|------|------|------|-------|------|-------|------|-------|------|------|------|------|-------|-------|------|------|------|-----|-----|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | Mo | Cu | Pb | Zn | Ag | Ni |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppb | ppm | ppm |
| MDL | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 |
| 1964682 | Soil | 0.26 | 8.1 | 0.2 | <0.05 | <0.1 | 0.49 | 1.7 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 | | | | | | |
| 1964872 | Soil | 0.07 | 2.2 | <0.1 | <0.05 | 0.4 | 1.05 | 0.7 | <0.02 | 7 | <0.1 | 0.1 | <10 | <2 | | | | | | |
| 1964915 | Soil | 0.48 | 14.6 | 0.2 | <0.05 | <0.1 | 0.48 | 2.4 | <0.02 | <1 | <0.1 | 0.8 | <10 | <2 | | | | | | |
| 1964917 | Soil | 0.13 | 9.3 | 0.1 | <0.05 | 0.3 | 0.56 | 2.0 | <0.02 | <1 | <0.1 | 0.6 | <10 | <2 | | | | | | |
| 1964918 | Soil | 0.61 | 8.3 | 0.2 | <0.05 | <0.1 | 1.43 | 4.3 | <0.02 | <1 | <0.1 | 1.7 | <10 | <2 | | | | | | |
| 1964920 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 31.84 | 15.74 | 3.09 | 51.8 | 183 | 2.5 | 0.6 |
| 1964921 | Soil | 0.05 | 9.6 | <0.1 | <0.05 | 0.1 | 0.13 | 0.5 | <0.02 | <1 | <0.1 | 0.1 | <10 | <2 | | | | | | |
| 1964922 | Soil | 0.10 | 5.4 | 0.1 | <0.05 | 0.3 | 0.48 | 1.6 | 0.03 | <1 | <0.1 | 0.2 | <10 | <2 | | | | | | |
| 1964923 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 15.06 | 8.85 | 2.97 | 29.1 | 209 | 3.5 | 2.8 |
| 1964924 | Soil | 0.15 | 6.8 | <0.1 | <0.05 | 0.6 | 7.52 | 4.4 | <0.02 | 12 | 0.2 | 2.0 | <10 | 4 | | | | | | |
| 1964925 | Soil | 0.18 | 4.8 | <0.1 | <0.05 | 0.6 | 4.83 | 4.7 | <0.02 | 7 | 0.4 | 2.5 | <10 | <2 | | | | | | |
| 1964926 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 39.58 | 34.77 | 2.07 | 41.6 | 757 | 6.7 | 3.1 |
| 1964928 | Soil | 0.78 | 5.4 | 0.2 | <0.05 | 0.2 | 19.81 | 24.0 | <0.02 | 17 | 0.6 | 2.6 | 29 | 4 | | | | | | |
| 1964929 | Soil | 0.18 | 4.8 | <0.1 | <0.05 | 0.4 | 1.07 | 1.6 | <0.02 | <1 | <0.1 | 0.2 | <10 | <2 | | | | | | |
| 1964930 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 8.53 | 18.61 | 3.36 | 39.9 | 105 | 5.0 | 6.7 |
| 1964047 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 2.01 | 11.76 | 4.69 | 22.8 | 214 | 4.5 | 1.4 |
| 1964048 | Soil | 0.60 | 3.4 | 0.3 | <0.05 | <0.1 | 1.47 | 4.8 | <0.02 | <1 | 0.1 | 2.2 | <10 | <2 | | | | | | |
| 1964491 | Soil | 0.39 | 5.6 | 0.1 | <0.05 | 0.3 | 6.22 | 7.7 | <0.02 | <1 | 0.3 | 2.7 | <10 | <2 | | | | | | |
| 1964492 | Soil | 0.43 | 3.8 | <0.1 | <0.05 | 0.2 | 1.43 | 3.1 | <0.02 | <1 | <0.1 | 2.1 | <10 | <2 | | | | | | |
| 1964495 | Soil | 1.15 | 11.8 | 0.3 | <0.05 | 0.5 | 1.94 | 6.0 | <0.02 | <1 | 0.2 | 2.0 | <10 | <2 | | | | | | |
| 1964496 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 3.09 | 9.41 | 4.67 | 19.0 | 1206 | 6.8 | 2.7 |
| 1964497 | Soil | 1.04 | 10.0 | 0.5 | <0.05 | 0.2 | 2.24 | 5.8 | <0.02 | <1 | <0.1 | 4.4 | <10 | <2 | | | | | | |
| 1964498 | Soil | 0.45 | 3.2 | 0.3 | <0.05 | <0.1 | 1.48 | 6.9 | <0.02 | <1 | 0.1 | 1.0 | <10 | 3 | | | | | | |
| 1964499 | Soil | 0.57 | 7.2 | 0.3 | <0.05 | <0.1 | 0.65 | 4.4 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 | | | | | | |
| 1964873 | Soil | 0.08 | 3.4 | <0.1 | <0.05 | 0.4 | 0.46 | 0.8 | <0.02 | 13 | <0.1 | 0.3 | <10 | <2 | | | | | | |
| 1964874 | Soil | 0.35 | 7.2 | 0.1 | <0.05 | 0.2 | 0.79 | 2.8 | <0.02 | <1 | <0.1 | 1.1 | <10 | <2 | | | | | | |
| 1964875 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 19.56 | 46.96 | 1.00 | 21.4 | 167 | 2.9 | 1.1 |
| 1964878 | Soil | 0.64 | 14.8 | 0.3 | <0.05 | 0.2 | 0.90 | 4.0 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 | | | | | | |
| 1964879 | Soil | 1.45 | 7.0 | 0.9 | <0.05 | 3.3 | 1.85 | 10.6 | <0.02 | <1 | 0.2 | 1.5 | <10 | <2 | | | | | | |
| 1964881 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 3.46 | 12.44 | 5.28 | 37.7 | 242 | 8.4 | 3.6 |

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 Report Date: September 05, 2013

Page: 3 of 5

Part: 4 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|-------|------|------|------|-------|-------|------|------|
| Analyte | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | |
| Unit | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | |
| MDL | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 20 | 0.01 | |
| 1964682 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964872 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964915 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964917 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964918 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964920 | Soil | 78 | 0.08 | 0.1 | <0.1 | <0.2 | <0.1 | 24.6 | 0.42 | 0.05 | 0.03 | <2 | 0.48 | 0.083 | <0.5 | <0.5 | 0.05 | 34.9 | 0.003 | <20 | 0.05 |
| 1964921 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964922 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964923 | Soil | 938 | 0.15 | 0.3 | <0.1 | 0.2 | <0.1 | 14.1 | 0.55 | 0.04 | 0.05 | 3 | 0.45 | 0.110 | <0.5 | 4.3 | 0.05 | 71.2 | 0.004 | <20 | 0.14 |
| 1964924 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964925 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964926 | Soil | 187 | 0.17 | 0.5 | <0.1 | 1.0 | <0.1 | 25.9 | 1.01 | 0.04 | 0.10 | 3 | 1.14 | 0.084 | <0.5 | 7.2 | 0.09 | 38.4 | 0.003 | <20 | 0.13 |
| 1964928 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964929 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964930 | Soil | 48 | 0.15 | 0.3 | <0.1 | 7.3 | <0.1 | 25.8 | 1.22 | 0.10 | 0.04 | 3 | 0.66 | 0.093 | 0.8 | 4.0 | 0.05 | 47.1 | 0.006 | <20 | 0.11 |
| 1964047 | Soil | 41 | 0.22 | <0.1 | 0.1 | 2.4 | <0.1 | 30.8 | 0.27 | 0.07 | 0.03 | 9 | 0.55 | 0.063 | 0.9 | 3.4 | 0.06 | 113.1 | 0.016 | <20 | 0.18 |
| 1964048 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964491 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964492 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964495 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964496 | Soil | 59 | 0.53 | 0.5 | <0.1 | 4.2 | <0.1 | 19.1 | 0.16 | 0.09 | 0.11 | 22 | 0.24 | 0.071 | 1.5 | 10.4 | 0.07 | 102.8 | 0.016 | <20 | 0.29 |
| 1964497 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964498 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964499 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964873 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964874 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964875 | Soil | 43 | 0.18 | <0.1 | 1.9 | 1.0 | <0.1 | 128.6 | 2.28 | 0.08 | 0.04 | 6 | 2.32 | 0.057 | 1.0 | 4.2 | 0.05 | 16.0 | 0.003 | <20 | 0.23 |
| 1964878 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964879 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964881 | Soil | 91 | 0.69 | 0.2 | <0.1 | 0.4 | <0.1 | 32.9 | 0.21 | 0.06 | 0.08 | 24 | 0.29 | 0.086 | 0.9 | 13.4 | 0.16 | 96.8 | 0.015 | <20 | 0.41 |

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Page: 3 of 5

Part: 5 of 6

CERTIFICATE OF ANALYSIS

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| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|-------|-------|------|------|------|-------|------|-----|------|-------|------|------|------|-------|------|------|------|-------|------|------|-----|
| Analyte | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf | Nb | Rb | Sn | Ta | Zr | Y | Ce | |
| Unit | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | |
| 1964682 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964872 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964915 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964917 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964918 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964920 | Soil | 0.011 | 0.07 | <0.1 | 0.3 | <0.02 | 0.14 | 141 | 1.0 | <0.02 | 0.3 | 0.26 | <0.1 | <0.02 | 0.05 | 7.2 | <0.1 | <0.05 | 0.2 | 0.12 | 0.4 |
| 1964921 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964922 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964923 | Soil | 0.011 | 0.12 | <0.1 | 0.2 | 0.10 | 0.15 | 179 | <0.1 | <0.02 | 0.4 | 1.07 | <0.1 | <0.02 | 0.05 | 10.6 | <0.1 | <0.05 | <0.1 | 0.20 | 0.7 |
| 1964924 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964925 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964926 | Soil | 0.009 | 0.10 | <0.1 | 0.5 | 0.07 | 0.18 | 179 | 0.2 | 0.03 | 0.4 | 5.30 | <0.1 | <0.02 | 0.04 | 15.0 | <0.1 | <0.05 | 0.4 | 0.34 | 0.6 |
| 1964928 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964929 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964930 | Soil | 0.015 | 0.08 | <0.1 | 0.6 | 0.04 | 0.13 | 153 | 1.1 | <0.02 | 0.5 | 0.41 | <0.1 | <0.02 | 0.10 | 6.7 | 0.1 | <0.05 | 0.4 | 0.38 | 1.0 |
| 1964047 | Soil | 0.016 | 0.06 | <0.1 | 0.6 | <0.02 | 0.11 | 139 | 1.5 | <0.02 | 1.1 | 0.22 | <0.1 | <0.02 | 0.49 | 2.5 | 0.1 | <0.05 | 0.1 | 0.43 | 1.5 |
| 1964048 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964491 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964492 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964495 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964496 | Soil | 0.011 | 0.05 | 0.1 | 0.4 | 0.03 | 0.09 | 115 | 0.2 | <0.02 | 2.2 | 1.07 | <0.1 | <0.02 | 0.84 | 9.6 | 0.4 | <0.05 | 0.3 | 0.53 | 2.9 |
| 1964497 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964498 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964499 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964873 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964874 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964875 | Soil | 0.013 | 0.05 | <0.1 | 0.4 | 0.04 | 0.29 | 79 | 1.1 | <0.02 | 0.3 | 0.26 | 0.1 | <0.02 | 0.07 | 3.2 | <0.1 | <0.05 | 0.6 | 1.58 | 1.5 |
| 1964878 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964879 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964881 | Soil | 0.012 | 0.08 | 0.1 | 0.4 | <0.02 | 0.10 | 108 | <0.1 | <0.02 | 2.0 | 0.63 | <0.1 | <0.02 | 0.37 | 8.7 | 0.2 | <0.05 | 0.2 | 0.49 | 1.9 |

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 Report Date: September 05, 2013

Page: 3 of 5

Part: 6 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F | 1F | 1F | 1F | 1F | 1F |
|---------|---------|-------|-----|------|-----|-----|-----|
| | | In | Re | Be | Li | Pd | Pt |
| Unit | | ppm | ppb | ppm | ppm | ppb | ppb |
| MDL | | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| 1964682 | Soil | | | | | | |
| 1964872 | Soil | | | | | | |
| 1964915 | Soil | | | | | | |
| 1964917 | Soil | | | | | | |
| 1964918 | Soil | | | | | | |
| 1964920 | Soil | <0.02 | <1 | <0.1 | 0.2 | <10 | <2 |
| 1964921 | Soil | | | | | | |
| 1964922 | Soil | | | | | | |
| 1964923 | Soil | <0.02 | <1 | <0.1 | 0.3 | <10 | <2 |
| 1964924 | Soil | | | | | | |
| 1964925 | Soil | | | | | | |
| 1964926 | Soil | <0.02 | <1 | <0.1 | 0.8 | <10 | 2 |
| 1964928 | Soil | | | | | | |
| 1964929 | Soil | | | | | | |
| 1964930 | Soil | <0.02 | <1 | <0.1 | 0.4 | <10 | <2 |
| 1964047 | Soil | <0.02 | <1 | <0.1 | 0.3 | <10 | <2 |
| 1964048 | Soil | | | | | | |
| 1964491 | Soil | | | | | | |
| 1964492 | Soil | | | | | | |
| 1964495 | Soil | | | | | | |
| 1964496 | Soil | <0.02 | <1 | <0.1 | 0.4 | <10 | <2 |
| 1964497 | Soil | | | | | | |
| 1964498 | Soil | | | | | | |
| 1964499 | Soil | | | | | | |
| 1964873 | Soil | | | | | | |
| 1964874 | Soil | | | | | | |
| 1964875 | Soil | <0.02 | 4 | <0.1 | 0.2 | 10 | <2 |
| 1964878 | Soil | | | | | | |
| 1964879 | Soil | | | | | | |
| 1964881 | Soil | <0.02 | <1 | <0.1 | 1.3 | <10 | <2 |



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Page: 4 of 5 Part: 1 of 6

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| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------|---------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| 1964675 | Soil | 8.78 | 28.15 | 8.20 | 28.4 | 676 | 7.6 | 1.7 | 119 | 0.71 | 0.7 | 0.2 | 1.2 | <0.1 | 72.0 | 0.26 | 0.09 | 0.07 | 13 | 0.27 | 0.118 |
| 1964676 | Soil | 24.12 | 263.4 | 2.39 | 21.6 | 531 | 9.4 | 35.9 | 935 | 0.93 | <0.1 | 3.9 | 7.1 | 0.3 | 144.2 | 0.61 | 0.14 | 0.03 | 23 | 2.87 | 0.114 |
| 1964678 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964680 | Soil | 65.11 | 214.0 | 5.91 | 34.4 | 1200 | 23.7 | 21.7 | 2018 | 1.01 | 1.6 | 0.4 | 5.7 | <0.1 | 47.6 | 1.55 | 0.17 | 0.58 | 25 | 1.60 | 0.123 |
| 1964683 | Soil | 14.07 | 32.66 | 10.88 | 34.5 | 228 | 22.4 | 59.3 | 1990 | 1.17 | 1.2 | 0.3 | 3.5 | <0.1 | 44.2 | 0.41 | 0.08 | 0.09 | 26 | 0.45 | 0.250 |
| 1964882 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964883 | Soil | 11.47 | 82.80 | 2.10 | 79.8 | 82 | 67.4 | 41.4 | 899 | 2.26 | 0.6 | 0.1 | 4.8 | <0.1 | 44.4 | 0.45 | 0.04 | 0.06 | 31 | 0.74 | 0.146 |
| 1964884 | Soil | 34.84 | 43.38 | 6.00 | 136.3 | 95 | 41.8 | 30.2 | 2362 | 1.64 | 1.1 | 0.1 | 1.2 | <0.1 | 60.8 | 0.28 | 0.09 | 0.10 | 40 | 0.85 | 0.151 |
| 1964885 | Soil | 27.34 | 265.9 | 6.62 | 80.1 | 82 | 83.0 | 22.6 | 856 | 2.64 | 1.4 | 0.5 | 9.6 | 0.1 | 56.6 | 0.36 | 0.14 | 0.21 | 65 | 0.72 | 0.128 |
| 1964886 | Soil | 8.40 | 40.03 | 5.40 | 17.5 | 317 | 18.5 | 7.3 | 471 | 0.78 | 0.5 | 0.2 | 1.4 | <0.1 | 52.3 | 0.25 | 0.11 | 0.08 | 20 | 0.82 | 0.140 |
| 1964887 | Soil | 2.53 | 24.71 | 5.11 | 17.4 | 149 | 14.0 | 3.3 | 52 | 0.71 | 0.7 | 0.2 | 3.3 | <0.1 | 28.7 | 0.26 | 0.08 | 0.12 | 15 | 0.26 | 0.121 |
| 1964888 | Soil | 5.32 | 23.26 | 4.70 | 22.7 | 195 | 10.1 | 4.6 | 325 | 0.76 | 1.0 | 0.1 | 2.7 | <0.1 | 20.8 | 0.08 | 0.08 | 0.13 | 23 | 0.23 | 0.112 |
| 1964889 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964890 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964891 | Soil | 18.85 | 34.20 | 3.39 | 16.0 | 63 | 7.8 | 6.2 | 772 | 0.48 | 0.5 | <0.1 | 1.9 | 0.1 | 44.0 | 0.44 | 0.04 | 0.04 | 11 | 1.44 | 0.123 |
| 1964893 | Soil | 17.10 | 183.2 | 1.97 | 32.4 | 51 | 28.3 | 36.7 | 979 | 1.51 | 0.5 | 0.1 | 3.2 | <0.1 | 47.0 | 0.64 | 0.04 | 0.04 | 35 | 1.03 | 0.126 |
| 1964894 | Soil | 20.77 | 67.48 | 4.28 | 30.0 | 67 | 18.9 | 9.3 | 429 | 1.42 | 0.8 | 0.2 | 3.1 | <0.1 | 28.5 | 0.13 | 0.08 | 0.07 | 41 | 0.57 | 0.082 |
| 1964895 | Soil | 44.13 | 38.45 | 4.71 | 39.1 | 108 | 14.1 | 6.5 | 916 | 1.06 | 0.9 | <0.1 | 1.0 | <0.1 | 70.7 | 0.17 | 0.05 | 0.06 | 28 | 1.49 | 0.104 |
| 1964896 | Soil | 44.08 | 30.68 | 6.99 | 33.3 | 121 | 12.6 | 10.8 | 653 | 1.27 | <0.1 | 0.1 | 1.6 | <0.1 | 41.6 | 0.40 | 0.20 | 0.27 | 37 | 0.53 | 0.094 |
| 1964897 | Soil | 31.94 | 28.52 | 4.87 | 20.2 | 151 | 7.4 | 4.5 | 155 | 0.51 | <0.1 | <0.1 | 4.8 | <0.1 | 35.2 | 0.28 | 0.07 | 0.13 | 12 | 0.59 | 0.102 |
| 1964898 | Soil | 32.25 | 88.34 | 5.42 | 36.9 | 270 | 20.3 | 15.5 | 1389 | 1.44 | <0.1 | 0.3 | 2.7 | <0.1 | 61.3 | 0.67 | 0.19 | 0.12 | 36 | 1.43 | 0.086 |
| 1964899 | Soil | 45.61 | 75.19 | 2.52 | 14.0 | 116 | 7.7 | 6.7 | 325 | 0.49 | <0.1 | 0.1 | 3.3 | <0.1 | 59.6 | 0.57 | 0.06 | 0.08 | 12 | 1.98 | 0.083 |
| 1964900 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964932 | Soil | 50.36 | 28.16 | 1.99 | 8.6 | 89 | 4.8 | 3.0 | 28 | 0.24 | <0.1 | <0.1 | 1.4 | <0.1 | 30.5 | 0.85 | 0.05 | 0.07 | 6 | 1.69 | 0.067 |
| 1964933 | Soil | 25.83 | 59.28 | 1.34 | 13.8 | 454 | 5.2 | 3.1 | 15 | 0.31 | <0.1 | 0.5 | 5.3 | 0.1 | 49.5 | 0.60 | 0.07 | 0.05 | 5 | 1.86 | 0.081 |
| 1964934 | Soil | 61.50 | 35.80 | 1.26 | 8.3 | 350 | 5.2 | 5.9 | 31 | 0.24 | <0.1 | 0.1 | 2.3 | <0.1 | 33.0 | 0.93 | 0.04 | 0.05 | 5 | 1.13 | 0.081 |
| 1964935 | Soil | 20.26 | 25.10 | 2.27 | 16.4 | 90 | 8.7 | 5.7 | 87 | 0.94 | 0.7 | 0.2 | 1.0 | <0.1 | 35.6 | 0.58 | <0.02 | 0.29 | 26 | 0.63 | 0.067 |
| 1964936 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964937 | Soil | 2.74 | 19.48 | 6.81 | 50.2 | 154 | 10.1 | 7.1 | 1883 | 0.89 | 0.3 | 0.2 | 3.9 | <0.1 | 69.1 | 0.17 | 0.13 | 0.17 | 29 | 0.91 | 0.069 |
| 1964831 | Soil | 4.81 | 16.82 | 5.78 | 17.9 | 416 | 9.0 | 3.3 | 60 | 0.81 | 0.3 | 0.2 | 1.8 | <0.1 | 48.0 | 0.21 | 0.14 | 0.13 | 29 | 0.34 | 0.070 |

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Project: Fleet
 Report Date: September 05, 2013

Page: 4 of 5

Part: 2 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------|---------|------|-------|------|-------|-------|------|------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| 1964675 | Soil | 2.4 | 7.3 | 0.05 | 150.9 | 0.009 | 3 | 0.48 | 0.013 | 0.05 | <0.1 | 0.7 | 0.04 | 0.09 | 146 | 0.4 | 0.04 | 1.2 | 0.59 | <0.1 | <0.02 |
| 1964676 | Soil | 25.0 | 17.3 | 0.19 | 53.3 | 0.025 | 7 | 2.42 | 0.016 | 0.03 | <0.1 | 4.5 | 0.18 | 0.30 | 121 | 3.2 | <0.02 | 2.3 | 0.65 | <0.1 | 0.03 |
| 1964678 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964680 | Soil | 2.7 | 26.2 | 0.36 | 153.8 | 0.028 | 4 | 0.67 | 0.010 | 0.10 | 0.2 | 1.9 | 0.39 | 0.17 | 230 | 0.2 | 0.12 | 2.1 | 12.76 | <0.1 | <0.02 |
| 1964683 | Soil | 2.5 | 85.5 | 0.42 | 167.5 | 0.020 | 2 | 0.56 | 0.012 | 0.08 | 0.5 | 1.4 | 0.28 | 0.25 | 64 | 0.2 | 0.09 | 2.3 | 3.55 | <0.1 | <0.02 |
| 1964882 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964883 | Soil | 1.4 | 156.9 | 1.82 | 78.1 | 0.029 | 7 | 0.75 | 0.012 | 0.11 | 0.7 | 2.2 | 0.09 | 0.21 | 94 | 0.3 | 0.03 | 2.3 | 2.60 | 0.1 | <0.02 |
| 1964884 | Soil | 1.7 | 64.6 | 0.86 | 211.6 | 0.030 | 6 | 0.65 | 0.010 | 0.14 | 0.8 | 1.4 | 0.08 | 0.22 | 97 | 0.2 | 0.03 | 2.8 | 6.24 | <0.1 | <0.02 |
| 1964885 | Soil | 4.8 | 98.4 | 1.50 | 78.1 | 0.054 | 4 | 1.84 | 0.015 | 0.11 | 1.4 | 2.8 | 0.12 | 0.14 | 42 | 0.8 | 0.10 | 6.6 | 7.80 | <0.1 | <0.02 |
| 1964886 | Soil | 2.9 | 20.6 | 0.76 | 66.4 | 0.017 | 3 | 1.05 | 0.014 | 0.07 | 0.3 | 0.5 | 0.06 | 0.20 | 145 | 0.3 | 0.03 | 3.3 | 1.42 | <0.1 | <0.02 |
| 1964887 | Soil | 3.1 | 27.7 | 0.19 | 65.3 | 0.024 | 1 | 0.73 | 0.010 | 0.07 | 0.2 | 0.7 | 0.05 | 0.13 | 119 | 0.3 | 0.03 | 3.6 | 1.08 | <0.1 | <0.02 |
| 1964888 | Soil | 1.8 | 28.6 | 0.13 | 88.5 | 0.018 | 2 | 0.41 | 0.012 | 0.06 | 0.3 | 0.8 | 0.08 | 0.11 | 121 | 0.3 | 0.09 | 2.1 | 1.44 | <0.1 | <0.02 |
| 1964889 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964890 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964891 | Soil | 0.7 | 11.6 | 0.61 | 52.1 | 0.017 | 8 | 0.38 | 0.011 | 0.10 | 0.5 | 1.2 | 0.03 | 0.24 | 126 | 0.1 | <0.02 | 0.9 | 0.72 | 0.1 | <0.02 |
| 1964893 | Soil | 2.2 | 34.6 | 0.61 | 27.3 | 0.044 | 4 | 1.06 | 0.019 | 0.13 | 0.7 | 2.4 | 0.04 | 0.19 | 68 | 0.2 | <0.02 | 2.8 | 2.25 | <0.1 | <0.02 |
| 1964894 | Soil | 1.9 | 28.2 | 0.49 | 79.7 | 0.053 | 2 | 1.18 | 0.015 | 0.07 | 0.6 | 1.4 | 0.04 | 0.10 | 103 | 0.3 | 0.05 | 3.2 | 0.76 | <0.1 | <0.02 |
| 1964895 | Soil | 1.3 | 20.2 | 0.40 | 203.6 | 0.037 | 4 | 0.74 | 0.012 | 0.09 | 0.5 | 1.0 | 0.03 | 0.14 | 162 | 0.3 | 0.05 | 2.6 | 0.95 | <0.1 | <0.02 |
| 1964896 | Soil | 3.0 | 19.3 | 0.30 | 174.4 | 0.071 | 3 | 0.59 | 0.011 | 0.10 | 0.7 | 1.4 | 0.06 | 0.08 | 99 | <0.1 | 0.03 | 3.6 | 1.85 | <0.1 | 0.04 |
| 1964897 | Soil | 1.2 | 10.3 | 0.15 | 83.6 | 0.018 | 3 | 0.35 | 0.012 | 0.07 | 0.2 | 0.7 | 0.03 | 0.12 | 84 | <0.1 | 0.04 | 1.2 | 0.88 | 0.1 | <0.02 |
| 1964898 | Soil | 4.3 | 26.3 | 0.53 | 144.8 | 0.057 | 4 | 1.04 | 0.016 | 0.09 | 0.8 | 2.2 | 0.04 | 0.10 | 95 | 0.4 | 0.07 | 3.3 | 1.45 | <0.1 | <0.02 |
| 1964899 | Soil | 2.2 | 8.8 | 0.32 | 25.9 | 0.019 | 5 | 0.40 | 0.014 | 0.04 | 0.4 | 1.0 | 0.03 | 0.17 | 87 | 0.6 | <0.02 | 1.0 | 0.54 | <0.1 | <0.02 |
| 1964900 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964932 | Soil | 0.6 | 5.2 | 0.21 | 5.7 | 0.010 | 2 | 0.17 | 0.010 | 0.05 | 0.1 | 1.0 | 0.03 | 0.19 | 95 | 0.7 | <0.02 | 0.6 | 0.41 | <0.1 | <0.02 |
| 1964933 | Soil | 2.1 | 5.4 | 0.15 | 28.0 | 0.009 | 2 | 0.30 | 0.013 | 0.05 | 0.1 | 1.8 | 0.05 | 0.22 | 82 | 1.9 | <0.02 | 0.8 | 0.27 | <0.1 | 0.03 |
| 1964934 | Soil | 0.7 | 5.5 | 0.11 | 16.8 | 0.009 | 3 | 0.17 | 0.013 | 0.04 | 0.3 | 0.9 | 0.02 | 0.20 | 137 | 0.3 | <0.02 | 0.6 | 0.41 | 0.1 | <0.02 |
| 1964935 | Soil | 1.7 | 17.4 | 0.29 | 45.1 | 0.045 | 1 | 0.62 | 0.022 | 0.05 | 0.7 | 2.1 | <0.02 | 0.10 | 62 | 0.3 | <0.02 | 2.2 | 0.54 | <0.1 | 0.02 |
| 1964936 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964937 | Soil | 3.7 | 16.5 | 0.15 | 285.5 | 0.039 | 2 | 0.65 | 0.009 | 0.05 | 0.1 | 1.0 | 0.17 | 0.08 | 97 | <0.1 | <0.02 | 3.1 | 0.98 | <0.1 | <0.02 |
| 1964831 | Soil | 2.5 | 13.9 | 0.12 | 275.5 | 0.031 | 1 | 0.47 | 0.011 | 0.05 | 0.2 | 1.0 | 0.04 | 0.08 | 70 | 0.2 | 0.05 | 2.6 | 0.50 | <0.1 | <0.02 |

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 Report Date: September 05, 2013

Page: 4 of 5

Part: 3 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|---------|------|------|------|-------|------|-------|------|-------|------|------|------|------|-------|-------|------|------|-----|------|-----|-----|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | Mo | Cu | Pb | Zn | Ag | Ni | Co |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppb | ppm | ppm | |
| MDL | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 |
| 1964675 | Soil | 0.25 | 5.1 | 0.2 | <0.05 | <0.1 | 0.90 | 5.1 | <0.02 | <1 | 0.2 | 0.4 | <10 | <2 | | | | | | | |
| 1964676 | Soil | 0.64 | 3.6 | 0.2 | <0.05 | 1.1 | 18.03 | 17.3 | <0.02 | 20 | 0.6 | 3.5 | <10 | <2 | | | | | | | |
| 1964678 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 10.47 | 13.14 | 4.90 | 75.7 | 258 | 8.1 | 6.8 | |
| 1964680 | Soil | 0.26 | 38.6 | 0.1 | <0.05 | 0.3 | 3.20 | 5.1 | <0.02 | <1 | 0.3 | 5.7 | <10 | <2 | | | | | | | |
| 1964683 | Soil | 0.36 | 20.0 | 0.2 | <0.05 | 0.2 | 0.94 | 5.5 | <0.02 | <1 | 0.1 | 2.1 | <10 | 3 | | | | | | | |
| 1964882 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 2.80 | 15.57 | 1.94 | 27.8 | 229 | 3.5 | 4.9 | |
| 1964883 | Soil | 0.37 | 65.6 | 0.1 | <0.05 | <0.1 | 0.95 | 2.9 | <0.02 | <1 | 0.1 | 3.8 | 13 | 5 | | | | | | | |
| 1964884 | Soil | 1.17 | 58.7 | 0.3 | <0.05 | 0.2 | 0.65 | 3.4 | <0.02 | <1 | <0.1 | 4.0 | <10 | 2 | | | | | | | |
| 1964885 | Soil | 1.98 | 42.8 | 0.6 | <0.05 | 0.4 | 3.49 | 8.5 | 0.02 | 1 | 0.3 | 13.2 | <10 | 6 | | | | | | | |
| 1964886 | Soil | 2.07 | 19.7 | 0.5 | <0.05 | 0.3 | 1.87 | 5.2 | <0.02 | <1 | 0.1 | 2.6 | <10 | <2 | | | | | | | |
| 1964887 | Soil | 2.46 | 8.3 | 0.6 | <0.05 | 0.5 | 1.65 | 5.9 | <0.02 | <1 | 0.1 | 1.4 | <10 | <2 | | | | | | | |
| 1964888 | Soil | 0.37 | 12.7 | 0.3 | <0.05 | <0.1 | 0.67 | 3.3 | <0.02 | 3 | <0.1 | 0.9 | <10 | <2 | | | | | | | |
| 1964889 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 30.67 | 134.0 | 2.00 | 18.9 | 136 | 16.3 | 1.9 | |
| 1964890 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 12.04 | 27.55 | 2.93 | 32.3 | 56 | 7.1 | 3.4 | |
| 1964891 | Soil | 0.16 | 19.9 | <0.1 | <0.05 | 0.4 | 0.56 | 1.7 | <0.02 | <1 | <0.1 | 1.8 | <10 | <2 | | | | | | | |
| 1964893 | Soil | 0.44 | 30.0 | <0.1 | <0.05 | 0.2 | 2.55 | 4.9 | <0.02 | <1 | <0.1 | 5.0 | <10 | 2 | | | | | | | |
| 1964894 | Soil | 0.89 | 19.7 | 0.2 | <0.05 | 0.3 | 1.40 | 4.2 | <0.02 | <1 | 0.1 | 4.6 | <10 | <2 | | | | | | | |
| 1964895 | Soil | 0.62 | 28.6 | 0.1 | <0.05 | 0.2 | 0.94 | 3.0 | <0.02 | <1 | 0.2 | 3.4 | <10 | 2 | | | | | | | |
| 1964896 | Soil | 4.03 | 28.1 | 0.8 | 0.07 | 0.5 | 1.28 | 6.1 | 0.06 | 4 | 0.2 | 2.2 | <10 | <2 | | | | | | | |
| 1964897 | Soil | 0.44 | 16.8 | 0.1 | <0.05 | <0.1 | 0.59 | 2.5 | <0.02 | <1 | <0.1 | 0.8 | <10 | <2 | | | | | | | |
| 1964898 | Soil | 0.78 | 20.1 | 0.2 | <0.05 | 0.2 | 3.64 | 8.0 | <0.02 | <1 | 0.1 | 4.3 | <10 | 3 | | | | | | | |
| 1964899 | Soil | 0.24 | 5.7 | <0.1 | <0.05 | 0.3 | 1.68 | 2.8 | <0.02 | <1 | <0.1 | 1.2 | <10 | <2 | | | | | | | |
| 1964900 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 16.45 | 22.91 | 1.06 | 22.1 | 384 | 3.4 | 3.9 | |
| 1964932 | Soil | 0.21 | 4.1 | <0.1 | <0.05 | 0.5 | 0.40 | 1.0 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 | | | | | | | |
| 1964933 | Soil | 0.14 | 3.2 | <0.1 | <0.05 | 0.7 | 1.74 | 1.9 | <0.02 | <1 | <0.1 | 0.2 | <10 | <2 | | | | | | | |
| 1964934 | Soil | 0.07 | 4.9 | <0.1 | <0.05 | 0.8 | 0.51 | 1.1 | <0.02 | <1 | <0.1 | 0.3 | <10 | <2 | | | | | | | |
| 1964935 | Soil | 0.35 | 5.7 | 0.1 | <0.05 | 0.2 | 1.44 | 3.2 | <0.02 | <1 | <0.1 | 2.1 | <10 | <2 | | | | | | | |
| 1964936 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 62.63 | 88.24 | 2.25 | 12.8 | 92 | 5.7 | 7.1 | |
| 1964937 | Soil | 1.44 | 12.4 | 0.5 | <0.05 | 0.1 | 1.58 | 7.4 | <0.02 | <1 | 0.1 | 1.2 | <10 | <2 | | | | | | | |
| 1964831 | Soil | 0.80 | 3.8 | 0.5 | <0.05 | 0.3 | 0.99 | 4.9 | <0.02 | <1 | <0.1 | 1.1 | <10 | <2 | | | | | | | |

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Page: 4 of 5

Part: 4 of 6

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| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-------|------|------|------|-------|-------|------|------|
| Analyte | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | |
| Unit | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | |
| MDL | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 20 | 0.01 | |
| 1964675 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964676 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964678 | Soil | 444 | 0.31 | 0.3 | <0.1 | 0.7 | <0.1 | 33.5 | 0.26 | 0.08 | 0.09 | 11 | 0.51 | 0.119 | 0.6 | 4.7 | 0.10 | 86.9 | 0.017 | <20 | 0.30 |
| 1964680 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964683 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964882 | Soil | 23 | 0.10 | <0.1 | <0.1 | 0.9 | <0.1 | 39.0 | 0.63 | 0.06 | <0.02 | <2 | 0.97 | 0.052 | 0.6 | 1.6 | 0.04 | 43.4 | 0.004 | <20 | 0.12 |
| 1964883 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964884 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964885 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964886 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964887 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964888 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964889 | Soil | 868 | 0.14 | <0.1 | 0.2 | 0.7 | <0.1 | 85.0 | 0.55 | 0.23 | 0.03 | 9 | 2.17 | 0.101 | 2.2 | 9.2 | 0.75 | 26.8 | 0.002 | <20 | 0.38 |
| 1964890 | Soil | 44 | 0.36 | <0.1 | <0.1 | 45.7 | <0.1 | 24.8 | 0.26 | 0.04 | <0.02 | 9 | 0.53 | 0.080 | 0.7 | 11.7 | 0.22 | 34.7 | 0.016 | <20 | 0.38 |
| 1964891 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964893 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964894 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964895 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964896 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964897 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964898 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964899 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964900 | Soil | 29 | 0.10 | <0.1 | <0.1 | <0.2 | <0.1 | 27.5 | 0.73 | 0.02 | <0.02 | <2 | 0.82 | 0.052 | <0.5 | 0.6 | 0.09 | 21.3 | 0.004 | <20 | 0.09 |
| 1964932 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964933 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964934 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964935 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964936 | Soil | 299 | 2.24 | <0.1 | 0.2 | 0.9 | <0.1 | 44.6 | 0.56 | 0.06 | <0.02 | 16 | 2.23 | 0.079 | 1.3 | 3.6 | 0.23 | 31.9 | 0.005 | <20 | 0.26 |
| 1964937 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964831 | Soil | | | | | | | | | | | | | | | | | | | | |

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Page: 4 of 5

Part: 5 of 6

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SMI13000189.1

| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|-------|-------|------|------|------|-------|------|-----|------|-------|------|------|------|-------|------|------|------|-------|------|------|-----|
| Analyte | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf | Nb | Rb | Sn | Ta | Zr | Y | Ce | |
| Unit | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | |
| 1964675 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964676 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964678 | Soil | 0.015 | 0.07 | <0.1 | 0.3 | 0.02 | 0.16 | 194 | 1.5 | <0.02 | 1.3 | 1.32 | <0.1 | <0.02 | 0.43 | 12.2 | 0.2 | <0.05 | 0.1 | 0.34 | 0.9 |
| 1964680 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964683 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964882 | Soil | 0.017 | 0.05 | <0.1 | 0.3 | <0.02 | 0.16 | 117 | 1.2 | 0.03 | 0.2 | 0.11 | <0.1 | <0.02 | 0.07 | 2.5 | <0.1 | <0.05 | 0.4 | 0.45 | 0.7 |
| 1964883 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964884 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964885 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964886 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964887 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964888 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964889 | Soil | 0.015 | 0.06 | 0.7 | 0.4 | 0.12 | 0.22 | 147 | 4.3 | <0.02 | 1.6 | 0.20 | 1.0 | <0.02 | 0.05 | 4.7 | <0.1 | <0.05 | 0.5 | 2.57 | 1.8 |
| 1964890 | Soil | 0.015 | 0.04 | 0.3 | 0.8 | <0.02 | 0.13 | 123 | 1.2 | <0.02 | 1.2 | 0.33 | <0.1 | <0.02 | 0.16 | 4.3 | <0.1 | <0.05 | 0.2 | 0.47 | 1.1 |
| 1964891 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964893 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964894 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964895 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964896 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964897 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964898 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964899 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964900 | Soil | 0.016 | 0.06 | <0.1 | 0.3 | <0.02 | 0.17 | 108 | 1.3 | <0.02 | 0.3 | 0.09 | <0.1 | <0.02 | 0.05 | 4.4 | <0.1 | <0.05 | 0.2 | 0.22 | 0.4 |
| 1964932 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964933 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964934 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964935 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964936 | Soil | 0.020 | 0.05 | 0.6 | 0.5 | 0.09 | 0.27 | 113 | 3.0 | <0.02 | 0.5 | 0.27 | 0.1 | <0.02 | 0.07 | 4.7 | <0.1 | <0.05 | 0.3 | 1.36 | 1.3 |
| 1964937 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964831 | Soil | | | | | | | | | | | | | | | | | | | | |

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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Page: 4 of 5

Part: 6 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F | 1F | 1F | 1F | 1F | 1F |
|---------|---------|-------|-----|------|------|-----|-----|
| | | In | Re | Be | Li | Pd | Pt |
| Unit | | ppm | ppb | ppm | ppm | ppb | ppb |
| MDL | | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| 1964675 | Soil | | | | | | |
| 1964676 | Soil | | | | | | |
| 1964678 | Soil | <0.02 | <1 | <0.1 | 0.7 | <10 | 2 |
| 1964680 | Soil | | | | | | |
| 1964683 | Soil | | | | | | |
| 1964882 | Soil | <0.02 | <1 | <0.1 | 0.2 | <10 | <2 |
| 1964883 | Soil | | | | | | |
| 1964884 | Soil | | | | | | |
| 1964885 | Soil | | | | | | |
| 1964886 | Soil | | | | | | |
| 1964887 | Soil | | | | | | |
| 1964888 | Soil | | | | | | |
| 1964889 | Soil | <0.02 | 5 | <0.1 | 0.2 | <10 | 2 |
| 1964890 | Soil | <0.02 | <1 | <0.1 | 1.1 | <10 | <2 |
| 1964891 | Soil | | | | | | |
| 1964893 | Soil | | | | | | |
| 1964894 | Soil | | | | | | |
| 1964895 | Soil | | | | | | |
| 1964896 | Soil | | | | | | |
| 1964897 | Soil | | | | | | |
| 1964898 | Soil | | | | | | |
| 1964899 | Soil | | | | | | |
| 1964900 | Soil | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| 1964932 | Soil | | | | | | |
| 1964933 | Soil | | | | | | |
| 1964934 | Soil | | | | | | |
| 1964935 | Soil | | | | | | |
| 1964936 | Soil | <0.02 | 5 | <0.1 | 0.5 | 29 | <2 |
| 1964937 | Soil | | | | | | |
| 1964831 | Soil | | | | | | |



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Page: 5 of 5

Part: 1 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------|---------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| 1964833 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964938 | Soil | 2.01 | 20.15 | 7.16 | 23.8 | 528 | 10.0 | 7.1 | 207 | 0.73 | 0.5 | 0.3 | 3.7 | <0.1 | 50.5 | 0.46 | 0.13 | 0.14 | 22 | 0.55 | 0.103 |
| 1964939 | Soil | 5.09 | 15.63 | 5.52 | 33.4 | 210 | 7.9 | 3.2 | 61 | 0.74 | <0.1 | 0.2 | 2.3 | <0.1 | 38.7 | 0.10 | 0.12 | 0.15 | 27 | 0.34 | 0.073 |
| 1964940 | Soil | 4.08 | 19.75 | 4.09 | 25.2 | 314 | 7.1 | 4.1 | 365 | 0.91 | 0.5 | 0.2 | 2.2 | <0.1 | 58.0 | 0.34 | 0.12 | 0.09 | 26 | 0.71 | 0.073 |
| 1964941 | Soil | 4.49 | 25.49 | 4.25 | 24.6 | 156 | 8.3 | 13.3 | 94 | 0.89 | <0.1 | 0.3 | 1.7 | <0.1 | 65.8 | 0.86 | 0.08 | 0.10 | 26 | 0.95 | 0.085 |
| 1964942 | Soil | 8.34 | 17.73 | 5.83 | 23.7 | 289 | 8.0 | 4.1 | 1096 | 0.98 | 0.4 | 0.2 | 1.8 | <0.1 | 44.0 | 0.29 | 0.11 | 0.16 | 47 | 0.60 | 0.049 |
| 1964943 | Soil | 4.73 | 16.58 | 4.40 | 21.0 | 152 | 7.1 | 3.3 | 41 | 0.64 | 0.5 | <0.1 | 1.6 | <0.1 | 41.4 | 0.49 | 0.06 | 0.07 | 24 | 0.55 | 0.075 |
| 1964944 | Soil | 3.76 | 18.29 | 4.68 | 17.4 | 287 | 8.3 | 3.1 | 59 | 0.84 | 0.6 | 0.1 | 1.2 | <0.1 | 37.7 | 0.21 | 0.14 | 0.09 | 36 | 0.34 | 0.063 |
| 1964945 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964946 | Soil | 32.65 | 89.50 | 2.46 | 22.1 | 90 | 26.5 | 9.8 | 290 | 1.22 | <0.1 | 0.2 | 5.0 | 0.2 | 64.9 | 0.89 | 0.10 | 0.06 | 29 | 1.81 | 0.068 |
| 1964947 | Soil | 24.59 | 81.74 | 2.80 | 19.6 | 106 | 25.5 | 18.0 | 750 | 1.27 | 1.1 | 0.3 | 4.6 | <0.1 | 47.5 | 0.98 | 0.09 | 0.06 | 33 | 1.44 | 0.083 |
| 1964948 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964949 | Soil | 2.98 | 21.31 | 2.27 | 62.6 | 191 | 9.6 | 7.9 | 404 | 0.78 | 1.5 | <0.1 | 6.9 | <0.1 | 55.1 | 0.95 | 0.07 | 0.03 | 19 | 1.12 | 0.084 |
| 1964950 | Soil | 17.84 | 194.3 | 4.91 | 21.1 | 423 | 12.0 | 8.8 | 2357 | 1.22 | 1.3 | 23.8 | 2.0 | <0.1 | 599.4 | 0.70 | 0.27 | 0.08 | 34 | 3.05 | 0.195 |
| 1964951 | Soil | 17.55 | 190.4 | 4.46 | 36.1 | 238 | 21.8 | 92.0 | 1679 | 1.74 | 0.7 | 0.3 | 3.2 | <0.1 | 45.2 | 0.39 | 0.14 | 0.09 | 57 | 1.39 | 0.098 |
| 1964952 | Soil | 6.98 | 72.05 | 6.37 | 36.2 | 538 | 12.9 | 5.9 | 69 | 0.85 | 0.5 | 0.3 | 1.8 | <0.1 | 53.8 | 1.06 | 0.09 | 0.14 | 23 | 0.59 | 0.066 |
| 1964953 | Soil | 8.76 | 21.99 | 4.84 | 28.0 | 114 | 10.4 | 5.6 | 454 | 1.34 | 0.4 | 0.1 | 1.8 | <0.1 | 48.5 | 0.24 | 0.10 | 0.11 | 44 | 0.67 | 0.057 |
| 1964971 | Soil | 18.45 | 154.3 | 4.42 | 16.6 | 344 | 15.0 | 11.5 | 730 | 0.57 | 0.8 | 0.3 | 5.7 | 0.1 | 63.9 | 1.11 | 0.16 | 0.05 | 12 | 2.65 | 0.113 |
| 1964973 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964974 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964993 | Soil | 4.00 | 143.8 | 1.47 | 10.1 | 320 | 7.0 | 4.8 | 125 | 0.75 | <0.1 | 0.4 | 6.2 | <0.1 | 267.1 | 0.27 | 0.11 | 0.06 | 16 | 3.35 | 0.111 |



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Page: 5 of 5

Part: 2 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------|---------|------|------|------|-------|-------|------|------|-------|------|------|------|------|------|------|------|-------|------|------|------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| 1964833 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964938 | Soil | 4.9 | 13.2 | 0.11 | 200.1 | 0.010 | 1 | 0.66 | 0.011 | 0.05 | <0.1 | 0.4 | 0.07 | 0.07 | 109 | 0.2 | <0.02 | 2.8 | 1.12 | <0.1 | <0.02 |
| 1964939 | Soil | 3.6 | 15.3 | 0.12 | 199.7 | 0.034 | 3 | 0.43 | 0.010 | 0.04 | 0.2 | 0.8 | 0.03 | 0.07 | 55 | <0.1 | 0.04 | 2.5 | 0.54 | <0.1 | <0.02 |
| 1964940 | Soil | 2.5 | 14.0 | 0.19 | 197.2 | 0.029 | 2 | 0.66 | 0.013 | 0.06 | 0.2 | 0.8 | 0.03 | 0.08 | 109 | <0.1 | <0.02 | 2.6 | 0.91 | <0.1 | <0.02 |
| 1964941 | Soil | 3.6 | 13.6 | 0.21 | 120.8 | 0.050 | 3 | 0.61 | 0.015 | 0.06 | 0.2 | 1.3 | 0.03 | 0.12 | 78 | <0.1 | <0.02 | 2.9 | 0.79 | <0.1 | <0.02 |
| 1964942 | Soil | 3.3 | 14.9 | 0.17 | 120.3 | 0.077 | 1 | 0.51 | 0.012 | 0.05 | 0.2 | 1.9 | 0.05 | 0.06 | 61 | <0.1 | 0.03 | 4.7 | 0.78 | <0.1 | <0.02 |
| 1964943 | Soil | 1.7 | 10.2 | 0.15 | 73.6 | 0.040 | 3 | 0.33 | 0.017 | 0.07 | 0.2 | 1.6 | 0.03 | 0.11 | 71 | <0.1 | 0.04 | 1.6 | 0.37 | <0.1 | <0.02 |
| 1964944 | Soil | 1.8 | 13.5 | 0.12 | 185.7 | 0.048 | 2 | 0.41 | 0.012 | 0.05 | 0.2 | 1.2 | 0.02 | 0.10 | 118 | 0.3 | 0.04 | 2.3 | 0.21 | <0.1 | <0.02 |
| 1964945 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964946 | Soil | 1.6 | 28.3 | 0.58 | 37.2 | 0.046 | 4 | 0.87 | 0.019 | 0.07 | 1.1 | 2.8 | 0.05 | 0.16 | 91 | 0.8 | 0.07 | 2.2 | 1.73 | <0.1 | 0.04 |
| 1964947 | Soil | 2.0 | 27.1 | 0.54 | 41.1 | 0.043 | 1 | 0.91 | 0.021 | 0.08 | 0.5 | 2.1 | 0.05 | 0.15 | 97 | 0.6 | <0.02 | 2.3 | 0.78 | <0.1 | <0.02 |
| 1964948 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964949 | Soil | 0.8 | 17.2 | 0.33 | 66.5 | 0.029 | 3 | 0.49 | 0.012 | 0.07 | 0.1 | 1.2 | 0.03 | 0.19 | 122 | 0.6 | <0.02 | 1.4 | 0.47 | <0.1 | <0.02 |
| 1964950 | Soil | 37.2 | 20.9 | 0.30 | 987.6 | 0.011 | 3 | 1.58 | 0.011 | 0.05 | 0.3 | 1.5 | 0.15 | 0.19 | 153 | 2.3 | <0.02 | 4.2 | 2.43 | <0.1 | <0.02 |
| 1964951 | Soil | 5.4 | 42.8 | 0.55 | 40.7 | 0.032 | 1 | 2.27 | 0.011 | 0.04 | 6.3 | 1.3 | 0.08 | 0.15 | 89 | 0.9 | <0.02 | 5.0 | 4.07 | <0.1 | <0.02 |
| 1964952 | Soil | 4.2 | 14.9 | 0.16 | 84.4 | 0.010 | <1 | 0.91 | 0.014 | 0.04 | 0.3 | 0.4 | 0.03 | 0.07 | 47 | 0.4 | 0.05 | 4.0 | 2.20 | <0.1 | <0.02 |
| 1964953 | Soil | 2.3 | 19.5 | 0.37 | 123.0 | 0.081 | 1 | 0.92 | 0.012 | 0.05 | 0.4 | 1.8 | 0.03 | 0.08 | 110 | 0.5 | 0.03 | 4.7 | 1.55 | <0.1 | <0.02 |
| 1964971 | Soil | 2.4 | 11.3 | 0.19 | 92.5 | 0.012 | 9 | 0.44 | 0.009 | 0.08 | 0.5 | 1.9 | 0.06 | 0.26 | 132 | 1.1 | 0.03 | 1.1 | 1.21 | <0.1 | 0.03 |
| 1964973 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964974 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 1964993 | Soil | 2.3 | 17.8 | 0.18 | 194.1 | 0.014 | 6 | 0.70 | 0.013 | 0.03 | 0.8 | 2.4 | 0.03 | 0.31 | 117 | 5.2 | 0.06 | 1.8 | 0.42 | <0.1 | <0.02 |

CERTIFICATE OF ANALYSIS

SMI13000189.1

| | Method | Analyte | | | | | | | | | | | | | | | | | | | |
|---------|--------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|-------|-------|
| | | 1F15 Nb | 1F15 Rb | 1F15 Sn | 1F15 Ta | 1F15 Zr | 1F15 Y | 1F15 Ce | 1F15 In | 1F15 Re | 1F15 Be | 1F15 Li | 1F15 Pd | 1F15 Pt | 1F Mo | 1F Cu | 1F Pb | 1F Zn | 1F Ag | 1F Ni | 1F Co |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppb | ppb | ppm | ppm | ppm | ppm | ppb | ppm | ppm |
| | MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 |
| 1964833 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 7.42 | 11.99 | 5.23 | 19.3 | 348 | 4.9 | 3.0 |
| 1964938 | Soil | 0.46 | 8.5 | 0.3 | <0.05 | <0.1 | 1.70 | 8.1 | <0.02 | <1 | 0.3 | 1.0 | <10 | <2 | | | | | | | |
| 1964939 | Soil | 1.74 | 3.9 | 0.8 | <0.05 | 0.3 | 1.26 | 7.2 | <0.02 | <1 | <0.1 | 0.7 | <10 | <2 | | | | | | | |
| 1964940 | Soil | 0.69 | 9.1 | 0.3 | <0.05 | 0.2 | 1.47 | 4.6 | <0.02 | <1 | <0.1 | 1.7 | <10 | <2 | | | | | | | |
| 1964941 | Soil | 2.08 | 8.2 | 0.4 | <0.05 | 0.3 | 1.86 | 6.3 | <0.02 | <1 | <0.1 | 1.9 | 20 | <2 | | | | | | | |
| 1964942 | Soil | 2.72 | 10.1 | 0.9 | <0.05 | 0.2 | 1.35 | 6.5 | <0.02 | <1 | <0.1 | 0.8 | <10 | <2 | | | | | | | |
| 1964943 | Soil | 0.39 | 5.6 | 0.1 | <0.05 | 0.2 | 1.00 | 2.8 | <0.02 | <1 | 0.2 | 0.8 | <10 | <2 | | | | | | | |
| 1964944 | Soil | 0.96 | 3.2 | 0.4 | <0.05 | 0.3 | 0.89 | 3.3 | <0.02 | <1 | <0.1 | 0.7 | <10 | <2 | | | | | | | |
| 1964945 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 28.98 | 73.55 | 2.17 | 18.6 | 311 | 7.6 | 15.4 |
| 1964946 | Soil | 0.38 | 14.2 | <0.1 | <0.05 | 0.8 | 1.61 | 2.7 | <0.02 | <1 | <0.1 | 3.5 | <10 | <2 | | | | | | | |
| 1964947 | Soil | 0.43 | 6.9 | <0.1 | <0.05 | 0.6 | 2.03 | 3.2 | <0.02 | 4 | 0.2 | 4.1 | <10 | <2 | | | | | | | |
| 1964948 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 1.37 | 15.54 | 3.52 | 16.8 | 900 | 9.7 | 8.3 |
| 1964949 | Soil | 0.27 | 4.1 | <0.1 | <0.05 | 0.6 | 0.75 | 1.4 | <0.02 | 2 | <0.1 | 2.0 | <10 | <2 | | | | | | | |
| 1964950 | Soil | 0.33 | 7.1 | 0.1 | <0.05 | 0.3 | 40.84 | 14.6 | <0.02 | <1 | 0.7 | 4.5 | 12 | <2 | | | | | | | |
| 1964951 | Soil | 1.22 | 7.4 | 0.2 | <0.05 | 0.3 | 5.96 | 12.1 | <0.02 | 4 | 0.6 | 7.1 | <10 | <2 | | | | | | | |
| 1964952 | Soil | 0.47 | 5.6 | 0.3 | <0.05 | <0.1 | 2.61 | 7.8 | <0.02 | <1 | 0.2 | 1.7 | <10 | <2 | | | | | | | |
| 1964953 | Soil | 1.67 | 8.6 | 0.5 | <0.05 | 0.5 | 1.53 | 4.4 | <0.02 | <1 | 0.1 | 2.8 | <10 | <2 | | | | | | | |
| 1964971 | Soil | 0.22 | 11.7 | <0.1 | <0.05 | 0.7 | 2.46 | 2.8 | <0.02 | 4 | <0.1 | 1.6 | <10 | <2 | | | | | | | |
| 1964973 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 24.35 | 71.08 | 4.50 | 34.0 | 164 | 6.8 | 9.8 |
| 1964974 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 16.97 | 331.2 | 1.53 | 11.5 | 357 | 7.4 | 3.7 |
| 1964993 | Soil | 0.23 | 3.3 | <0.1 | <0.05 | 0.7 | 4.02 | 3.6 | <0.02 | 43 | 0.2 | 1.4 | <10 | <2 | | | | | | | |



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Project: Fleet
 Report Date: September 05, 2013

Page: 5 of 5

Part: 4 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|---------|------|------|------|------|-----|------|------|------|------|-------|-----|------|-------|-----|-----|------|-------|-------|-----|------|
| | | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al |
| Unit | | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % |
| MDL | | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 20 | 0.01 |
| 1964833 | Soil | 132 | 0.31 | 0.1 | 0.3 | 0.4 | <0.1 | 26.2 | 0.26 | 0.07 | 0.04 | 10 | 0.36 | 0.087 | 2.6 | 5.7 | 0.07 | 316.7 | 0.017 | <20 | 0.25 |
| 1964938 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964939 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964940 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964941 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964942 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964943 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964944 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964945 | Soil | 1079 | 0.52 | <0.1 | 0.2 | 1.2 | <0.1 | 49.6 | 1.69 | 0.10 | <0.02 | 10 | 1.34 | 0.071 | 2.5 | 7.4 | 0.17 | 73.3 | 0.012 | <20 | 0.56 |
| 1964946 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964947 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964948 | Soil | 75 | 0.56 | 0.4 | <0.1 | 2.3 | <0.1 | 26.7 | 0.44 | 0.06 | <0.02 | 14 | 0.16 | 0.112 | 0.8 | 9.7 | 0.21 | 77.8 | 0.008 | <20 | 0.63 |
| 1964949 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964950 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964951 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964952 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964953 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964971 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964973 | Soil | 69 | 0.50 | 0.2 | 0.2 | 0.7 | <0.1 | 34.8 | 1.13 | 0.07 | 0.08 | 11 | 0.99 | 0.083 | 1.5 | 6.7 | 0.09 | 178.0 | 0.013 | <20 | 0.30 |
| 1964974 | Soil | 72 | 0.42 | <0.1 | 6.9 | 2.1 | <0.1 | 58.3 | 1.06 | 0.18 | <0.02 | 8 | 2.99 | 0.062 | 4.6 | 9.6 | 0.14 | 85.2 | 0.013 | <20 | 0.47 |
| 1964993 | Soil | | | | | | | | | | | | | | | | | | | | |



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Project: Fleet
Report Date: September 05, 2013

Page: 5 of 5

Part: 5 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|---------|-------|-------|------|-----|------|-------|------|-----|------|-------|------|------|------|-------|------|------|------|-------|------|------|-----|
| Analyte | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf | Nb | Rb | Sn | Ta | Zr | Y | Ce | |
| Unit | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | |
| 1964833 | Soil | 0.011 | 0.10 | 0.2 | 0.5 | 0.02 | 0.09 | 96 | 0.8 | <0.02 | 1.5 | 0.81 | <0.1 | <0.02 | 0.44 | 14.9 | 0.2 | <0.05 | 0.1 | 1.05 | 2.9 |
| 1964938 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964939 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964940 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964941 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964942 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964943 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964944 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964945 | Soil | 0.015 | 0.04 | 0.1 | 0.9 | 0.10 | 0.16 | 109 | 2.6 | 0.05 | 1.2 | 0.27 | 0.1 | 0.02 | 0.15 | 4.0 | <0.1 | <0.05 | 0.6 | 2.56 | 3.1 |
| 1964946 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964947 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964948 | Soil | 0.014 | 0.07 | 0.1 | 0.2 | <0.02 | 0.12 | 152 | 1.3 | 0.02 | 1.4 | 0.33 | <0.1 | <0.02 | 0.15 | 3.3 | <0.1 | <0.05 | <0.1 | 0.46 | 1.3 |
| 1964949 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964950 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964951 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964952 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964953 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964971 | Soil | | | | | | | | | | | | | | | | | | | | |
| 1964973 | Soil | 0.011 | 0.06 | 0.3 | 1.0 | <0.02 | 0.17 | 129 | 1.3 | 0.07 | 1.3 | 0.51 | <0.1 | <0.02 | 0.24 | 5.1 | 0.1 | <0.05 | 0.4 | 1.20 | 2.2 |
| 1964974 | Soil | 0.013 | 0.03 | 0.3 | 0.8 | 0.07 | 0.18 | 142 | 6.2 | <0.02 | 1.0 | 0.32 | <0.1 | <0.02 | 0.14 | 1.7 | <0.1 | <0.05 | 0.4 | 4.71 | 2.3 |
| 1964993 | Soil | | | | | | | | | | | | | | | | | | | | |



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Page: 5 of 5

Part: 6 of 6

CERTIFICATE OF ANALYSIS

SMI13000189.1

| Method | Analyte | 1F | 1F | 1F | 1F | 1F | 1F |
|---------|---------|-------|-----|------|-----|-----|-----|
| | | In | Re | Be | Li | Pd | Pt |
| Unit | | ppm | ppb | ppm | ppm | ppb | ppb |
| MDL | | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| 1964833 | Soil | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 |
| 1964938 | Soil | | | | | | |
| 1964939 | Soil | | | | | | |
| 1964940 | Soil | | | | | | |
| 1964941 | Soil | | | | | | |
| 1964942 | Soil | | | | | | |
| 1964943 | Soil | | | | | | |
| 1964944 | Soil | | | | | | |
| 1964945 | Soil | <0.02 | 8 | <0.1 | 0.9 | 20 | 2 |
| 1964946 | Soil | | | | | | |
| 1964947 | Soil | | | | | | |
| 1964948 | Soil | <0.02 | <1 | 0.1 | 1.8 | <10 | <2 |
| 1964949 | Soil | | | | | | |
| 1964950 | Soil | | | | | | |
| 1964951 | Soil | | | | | | |
| 1964952 | Soil | | | | | | |
| 1964953 | Soil | | | | | | |
| 1964971 | Soil | | | | | | |
| 1964973 | Soil | <0.02 | <1 | <0.1 | 1.1 | 11 | <2 |
| 1964974 | Soil | <0.02 | 84 | 0.1 | 1.2 | 15 | <2 |
| 1964993 | Soil | | | | | | |

QUALITY CONTROL REPORT

SMI13000189.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|------------------------|----------|-------|-------|-------|-------|------|------|------|------|-------|------|------|-------|------|-------|-------|-------|-------|------|--------|--------|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 1964907 | Soil | 15.85 | 122.1 | 3.02 | 18.2 | 429 | 17.2 | 15.7 | 232 | 1.31 | 1.2 | 0.7 | 6.6 | <0.1 | 59.5 | 0.51 | 0.06 | 0.08 | 30 | 1.28 | 0.098 |
| REP 1964907 | QC | 15.89 | 122.6 | 2.71 | 19.6 | 448 | 18.4 | 16.2 | 236 | 1.33 | 0.4 | 0.7 | 7.1 | <0.1 | 59.4 | 0.46 | 0.05 | 0.09 | 30 | 1.28 | 0.094 |
| 1964864 | Soil | 1.68 | 18.86 | 7.60 | 29.6 | 198 | 13.1 | 5.1 | 143 | 1.46 | 1.3 | 0.2 | 1.5 | <0.1 | 23.1 | 0.28 | 0.15 | 0.15 | 55 | 0.20 | 0.054 |
| REP 1964864 | QC | 1.52 | 19.30 | 7.51 | 30.3 | 192 | 12.5 | 4.7 | 145 | 1.48 | 1.5 | 0.2 | 2.4 | <0.1 | 23.5 | 0.29 | 0.15 | 0.13 | 54 | 0.21 | 0.055 |
| 1964879 | Soil | 8.67 | 26.26 | 6.43 | 14.9 | 260 | 8.3 | 2.6 | 43 | 0.76 | 0.5 | 0.3 | 1.6 | <0.1 | 25.9 | 0.19 | 0.08 | 0.13 | 25 | 0.23 | 0.071 |
| REP 1964879 | QC | 9.00 | 27.13 | 6.35 | 15.0 | 284 | 7.8 | 2.5 | 45 | 0.77 | 0.7 | 0.3 | 8.5 | <0.1 | 25.9 | 0.23 | 0.08 | 0.13 | 26 | 0.24 | 0.070 |
| 1964676 | Soil | 24.12 | 263.4 | 2.39 | 21.6 | 531 | 9.4 | 35.9 | 935 | 0.93 | <0.1 | 3.9 | 7.1 | 0.3 | 144.2 | 0.61 | 0.14 | 0.03 | 23 | 2.87 | 0.114 |
| REP 1964676 | QC | 22.79 | 259.7 | 2.31 | 19.8 | 506 | 9.2 | 35.9 | 913 | 0.92 | 0.7 | 4.0 | 3.5 | 0.3 | 141.3 | 0.62 | 0.09 | 0.03 | 24 | 2.85 | 0.117 |
| 1964941 | Soil | 4.49 | 25.49 | 4.25 | 24.6 | 156 | 8.3 | 13.3 | 94 | 0.89 | <0.1 | 0.3 | 1.7 | <0.1 | 65.8 | 0.86 | 0.08 | 0.10 | 26 | 0.95 | 0.085 |
| REP 1964941 | QC | 4.77 | 25.07 | 4.12 | 27.7 | 230 | 8.8 | 12.6 | 93 | 0.90 | <0.1 | 0.3 | 5.6 | <0.1 | 66.4 | 0.87 | 0.11 | 0.10 | 26 | 0.94 | 0.088 |
| 1964942 | Soil | 8.34 | 17.73 | 5.83 | 23.7 | 289 | 8.0 | 4.1 | 1096 | 0.98 | 0.4 | 0.2 | 1.8 | <0.1 | 44.0 | 0.29 | 0.11 | 0.16 | 47 | 0.60 | 0.049 |
| REP 1964942 | QC | 8.75 | 17.55 | 6.01 | 24.4 | 315 | 7.8 | 5.0 | 1145 | 1.01 | <0.1 | 0.2 | 7.5 | <0.1 | 45.8 | 0.33 | 0.13 | 0.15 | 46 | 0.60 | 0.053 |
| 1964974 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| REP 1964974 | QC | | | | | | | | | | | | | | | | | | | | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 12.97 | 106.0 | 130.6 | 299.2 | 1836 | 38.8 | 7.7 | 576 | 2.27 | 24.5 | 2.9 | 143.6 | 7.0 | 68.1 | 2.36 | 5.14 | 6.13 | 41 | 0.75 | 0.078 |
| STD DS9 | Standard | 12.75 | 105.8 | 129.8 | 302.8 | 1826 | 40.1 | 7.3 | 573 | 2.28 | 25.0 | 2.9 | 113.5 | 6.9 | 64.9 | 2.21 | 5.43 | 6.18 | 39 | 0.71 | 0.083 |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 13.31 | 105.2 | 127.1 | 300.0 | 1825 | 41.4 | 7.5 | 542 | 2.35 | 23.7 | 2.8 | 134.3 | 6.3 | 73.7 | 2.25 | 5.81 | 6.83 | 41 | 0.75 | 0.081 |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 Expected | | 12.84 | 108 | 126 | 317 | 1830 | 40.3 | 7.6 | 575 | 2.33 | 25.5 | 2.69 | 118 | 6.38 | 69.6 | 2.4 | 4.94 | 6.32 | 40 | 0.7201 | 0.0819 |
| STD OREAS45EA Expected | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.01 | 0.14 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | 0.2 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | 0.08 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | 1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |



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Page: 1 of 2

Part: 2 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|------------------------|----------|------|-------|--------|-------|--------|------|--------|--------|-------|------|------|-------|--------|------|------|-------|------|-------|------|-------|
| Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf | |
| Unit | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 1964907 | Soil | 6.2 | 25.7 | 0.36 | 89.7 | 0.037 | 2 | 0.93 | 0.012 | 0.05 | 1.2 | 1.9 | 0.06 | 0.17 | 106 | 0.9 | 0.06 | 3.2 | 1.21 | <0.1 | <0.02 |
| REP 1964907 | QC | 6.4 | 26.0 | 0.37 | 91.0 | 0.038 | 1 | 0.94 | 0.012 | 0.05 | 1.3 | 2.0 | 0.06 | 0.18 | 115 | 0.9 | 0.03 | 3.2 | 1.24 | <0.1 | <0.02 |
| 1964864 | Soil | 3.1 | 24.2 | 0.24 | 186.7 | 0.079 | <1 | 0.71 | 0.009 | 0.04 | 0.1 | 1.3 | 0.03 | 0.05 | 62 | 0.2 | 0.02 | 4.4 | 0.30 | <0.1 | <0.02 |
| REP 1964864 | QC | 3.1 | 23.1 | 0.24 | 194.1 | 0.092 | <1 | 0.72 | 0.010 | 0.04 | 0.2 | 1.5 | 0.03 | 0.05 | 44 | 0.2 | 0.09 | 4.5 | 0.36 | <0.1 | <0.02 |
| 1964879 | Soil | 5.0 | 20.9 | 0.08 | 151.3 | 0.024 | 3 | 0.74 | 0.010 | 0.04 | 0.1 | 0.8 | 0.05 | 0.07 | 107 | 0.3 | <0.02 | 3.8 | 1.03 | <0.1 | <0.02 |
| REP 1964879 | QC | 5.2 | 22.8 | 0.08 | 147.5 | 0.024 | 2 | 0.74 | 0.010 | 0.04 | 0.2 | 0.8 | 0.04 | 0.07 | 139 | <0.1 | 0.03 | 4.0 | 1.05 | <0.1 | <0.02 |
| 1964676 | Soil | 25.0 | 17.3 | 0.19 | 53.3 | 0.025 | 7 | 2.42 | 0.016 | 0.03 | <0.1 | 4.5 | 0.18 | 0.30 | 121 | 3.2 | <0.02 | 2.3 | 0.65 | <0.1 | 0.03 |
| REP 1964676 | QC | 25.3 | 17.3 | 0.19 | 51.1 | 0.025 | 7 | 2.44 | 0.016 | 0.03 | 0.1 | 4.2 | 0.19 | 0.30 | 133 | 3.7 | <0.02 | 2.1 | 0.64 | 0.1 | <0.02 |
| 1964941 | Soil | 3.6 | 13.6 | 0.21 | 120.8 | 0.050 | 3 | 0.61 | 0.015 | 0.06 | 0.2 | 1.3 | 0.03 | 0.12 | 78 | <0.1 | <0.02 | 2.9 | 0.79 | <0.1 | <0.02 |
| REP 1964941 | QC | 4.0 | 13.6 | 0.21 | 130.8 | 0.050 | 2 | 0.62 | 0.015 | 0.06 | 0.4 | 1.5 | 0.03 | 0.12 | 108 | 0.6 | <0.02 | 3.1 | 0.81 | <0.1 | <0.02 |
| 1964942 | Soil | 3.3 | 14.9 | 0.17 | 120.3 | 0.077 | 1 | 0.51 | 0.012 | 0.05 | 0.2 | 1.9 | 0.05 | 0.06 | 61 | <0.1 | 0.03 | 4.7 | 0.78 | <0.1 | <0.02 |
| REP 1964942 | QC | 3.8 | 14.3 | 0.18 | 123.5 | 0.097 | 2 | 0.52 | 0.013 | 0.05 | 0.2 | 1.7 | 0.05 | 0.07 | 73 | 0.3 | 0.03 | 4.9 | 1.00 | <0.1 | <0.02 |
| 1964974 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| REP 1964974 | QC | | | | | | | | | | | | | | | | | | | | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 14.2 | 118.5 | 0.59 | 310.0 | 0.117 | 3 | 0.94 | 0.085 | 0.39 | 2.9 | 2.6 | 5.23 | 0.16 | 215 | 5.0 | 5.21 | 4.6 | 2.33 | 0.1 | 0.07 |
| STD DS9 | Standard | 14.0 | 117.9 | 0.61 | 297.0 | 0.112 | 3 | 0.92 | 0.085 | 0.39 | 3.1 | 2.5 | 5.28 | 0.16 | 194 | 5.3 | 4.83 | 4.6 | 2.40 | 0.2 | 0.08 |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 14.6 | 117.0 | 0.63 | 297.9 | 0.119 | 3 | 1.02 | 0.096 | 0.41 | 3.1 | 2.4 | 5.33 | 0.16 | 221 | 5.0 | 4.90 | 4.7 | 2.34 | 0.2 | 0.07 |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 Expected | | 13.3 | 121 | 0.6165 | 295 | 0.1108 | | 0.9577 | 0.0853 | 0.395 | 2.89 | 2.5 | 5.3 | 0.1615 | 200 | 5.2 | 5.02 | 4.59 | 2.37 | 0.1 | 0.08 |
| STD OREAS45EA Expected | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |



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Project: Fleet
 Report Date: September 05, 2013

Page: 1 of 2 Part: 3 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| Method | Analyte | Unit | MDL | 1F15 Nb | 1F15 Rb | 1F15 Sn | 1F15 Ta | 1F15 Zr | 1F15 Y | 1F15 Ce | 1F15 In | 1F15 Re | 1F15 Be | 1F15 Li | 1F15 Pd | 1F15 Pt | 1F Mo | 1F Cu | 1F Pb | 1F Zn | 1F Ag | 1F Ni | 1F Co |
|------------------------|----------|------|-----|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|-------|-------|
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppm | ppm | ppm | ppm | ppb | ppm | ppm | |
| | | | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | | | |
| 1964907 | Soil | | | 0.91 | 7.4 | 0.2 | <0.05 | 0.6 | 5.29 | 6.7 | <0.02 | <1 | 0.2 | 3.4 | <10 | <2 | | | | | | | |
| REP 1964907 | QC | | | 0.98 | 7.7 | 0.2 | <0.05 | 0.6 | 5.28 | 6.7 | <0.02 | <1 | 0.1 | 3.4 | 11 | <2 | | | | | | | |
| 1964864 | Soil | | | 1.60 | 2.3 | 0.7 | <0.05 | 0.2 | 1.67 | 6.0 | <0.02 | <1 | 0.1 | 1.7 | <10 | <2 | | | | | | | |
| REP 1964864 | QC | | | 1.39 | 2.4 | 0.6 | <0.05 | 0.1 | 1.76 | 6.6 | <0.02 | <1 | <0.1 | 1.5 | <10 | <2 | | | | | | | |
| 1964879 | Soil | | | 1.45 | 7.0 | 0.9 | <0.05 | 3.3 | 1.85 | 10.6 | <0.02 | <1 | 0.2 | 1.5 | <10 | <2 | | | | | | | |
| REP 1964879 | QC | | | 1.60 | 6.7 | 1.1 | <0.05 | 0.1 | 1.94 | 10.3 | <0.02 | <1 | <0.1 | 1.5 | <10 | <2 | | | | | | | |
| 1964676 | Soil | | | 0.64 | 3.6 | 0.2 | <0.05 | 1.1 | 18.03 | 17.3 | <0.02 | 20 | 0.6 | 3.5 | <10 | <2 | | | | | | | |
| REP 1964676 | QC | | | 0.68 | 3.8 | <0.1 | <0.05 | 1.2 | 18.79 | 17.4 | <0.02 | 14 | 0.8 | 3.8 | 13 | 2 | | | | | | | |
| 1964941 | Soil | | | 2.08 | 8.2 | 0.4 | <0.05 | 0.3 | 1.86 | 6.3 | <0.02 | <1 | <0.1 | 1.9 | 20 | <2 | | | | | | | |
| REP 1964941 | QC | | | 2.01 | 8.3 | 0.5 | <0.05 | 0.3 | 1.78 | 7.1 | <0.02 | <1 | 0.1 | 1.9 | <10 | <2 | | | | | | | |
| 1964942 | Soil | | | 2.72 | 10.1 | 0.9 | <0.05 | 0.2 | 1.35 | 6.5 | <0.02 | <1 | <0.1 | 0.8 | <10 | <2 | | | | | | | |
| REP 1964942 | QC | | | 2.40 | 13.2 | 0.9 | <0.05 | 0.2 | 1.37 | 7.9 | <0.02 | <1 | <0.1 | 0.8 | <10 | <2 | | | | | | | |
| 1964974 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | 16.97 | 331.2 | 1.53 | 11.5 | 357 | 7.4 | 3.7 |
| REP 1964974 | QC | | | | | | | | | | | | | | | | 17.10 | 365.2 | 1.52 | 12.3 | 360 | 8.5 | 3.4 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | | | 1.57 | 33.4 | 6.3 | <0.05 | 1.7 | 6.51 | 27.4 | 2.17 | 60 | 5.4 | 26.0 | 115 | 345 | | | | | | | |
| STD DS9 | Standard | | | 1.52 | 34.8 | 6.5 | <0.05 | 1.7 | 6.19 | 27.1 | 2.04 | 53 | 4.9 | 26.4 | 124 | 355 | | | | | | | |
| STD DS9 | Standard | | | | | | | | | | | | | | | | 14.11 | 116.1 | 120.5 | 328.4 | 1782 | 41.2 | 8.1 |
| STD DS9 | Standard | | | 1.36 | 32.5 | 6.5 | <0.05 | 1.7 | 6.15 | 28.6 | 2.15 | 68 | 5.3 | 24.5 | 124 | 350 | | | | | | | |
| STD DS9 | Standard | | | | | | | | | | | | | | | | 13.35 | 96.29 | 118.8 | 335.9 | 1973 | 43.7 | 7.8 |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | 1.43 | 665.7 | 12.68 | 33.5 | 253 | 372.0 | 50.2 |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | 1.34 | 696.0 | 12.24 | 28.0 | 280 | 373.5 | 49.8 |
| STD DS9 Expected | | | | 1.33 | 33.8 | 6.4 | 0.004 | 2 | 5.97 | 25.4 | 2.2 | 61 | 5.4 | 25.2 | 120 | 350 | 12.84 | 108 | 126 | 317 | 1830 | 40.3 | 7.6 |
| STD OREAS45EA Expected | | | | | | | | | | | | | | | | | 1.78 | 709 | 14.3 | 30.6 | 311 | 357 | 52 |
| BLK | Blank | | | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 | | | | | | | |
| BLK | Blank | | | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | <0.01 | <0.01 | <0.01 | <0.1 | 8 | 0.4 | <0.1 |
| BLK | Blank | | | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 | | | | | | | |

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Project: Fleet
 Report Date: September 05, 2013

Page: 1 of 2

Part: 4 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|------------------------|----------|------|-------|------|------|-------|------|------|-------|-------|-------|------|--------|--------|------|-------|--------|-------|--------|------|--------|
| Analyte | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | |
| Unit | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | |
| MDL | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 20 | 0.01 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 1964907 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964907 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964864 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964864 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964879 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964879 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964676 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964676 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964941 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964941 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964942 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964942 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964974 | Soil | 72 | 0.42 | <0.1 | 6.9 | 2.1 | <0.1 | 58.3 | 1.06 | 0.18 | <0.02 | 8 | 2.99 | 0.062 | 4.6 | 9.6 | 0.14 | 85.2 | 0.013 | <20 | 0.47 |
| REP 1964974 | QC | 78 | 0.44 | <0.1 | 6.7 | 2.1 | <0.1 | 58.9 | 1.14 | 0.18 | <0.02 | 8 | 3.08 | 0.060 | 4.9 | 10.6 | 0.14 | 89.1 | 0.013 | <20 | 0.47 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 575 | 2.32 | 26.1 | 2.4 | 155.6 | 5.9 | 62.8 | 2.26 | 4.22 | 6.20 | 38 | 0.71 | 0.081 | 12.4 | 116.1 | 0.62 | 316.9 | 0.115 | <20 | 0.95 |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 625 | 2.41 | 25.7 | 2.1 | 116.4 | 5.1 | 74.1 | 2.22 | 4.05 | 5.87 | 41 | 0.72 | 0.078 | 12.0 | 120.0 | 0.62 | 358.1 | 0.104 | <20 | 0.95 |
| STD OREAS45EA | Standard | 352 | 22.45 | 10.2 | 1.7 | 44.6 | 9.6 | 2.7 | 0.03 | 0.35 | 0.18 | 289 | 0.03 | 0.028 | 6.2 | 926.5 | 0.08 | 140.5 | 0.086 | <20 | 3.01 |
| STD OREAS45EA | Standard | 408 | 25.19 | 7.2 | 1.5 | 56.7 | 8.3 | 3.2 | 0.02 | 0.15 | 0.21 | 303 | 0.04 | 0.028 | 7.7 | 1005 | 0.09 | 155.5 | 0.075 | <20 | 3.18 |
| STD DS9 Expected | | 575 | 2.33 | 25.5 | 2.69 | 118 | 6.38 | 69.6 | 2.4 | 4.94 | 6.32 | 40 | 0.7201 | 0.0819 | 13.3 | 121 | 0.6165 | 330 | 0.1108 | | 0.9577 |
| STD OREAS45EA Expected | | 400 | 22.65 | 11.4 | 1.73 | 53 | 10.7 | 4.05 | 0.03 | 0.64 | 0.26 | 295 | 0.032 | 0.029 | 8.19 | 849 | 0.095 | 148 | 0.106 | | 3.32 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | 2 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 | <0.5 | 1.2 | <0.01 | <0.5 | <0.001 | <20 | <0.01 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |

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: Fleet
 Report Date: September 05, 2013

Page: 1 of 2

Part: 5 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| Method | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|------------------------|----------|--------|-------|------|------|-------|--------|-----|------|-------|------|-------|------|-------|-------|------|------|-------|------|-------|------|
| Analyte | Na | K | W | Sc | Ti | S | Hg | Se | Te | Ga | Cs | Ge | Hf | Nb | Rb | Sn | Ta | Zr | Y | Ce | |
| Unit | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 1964907 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964907 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964864 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964864 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964879 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964879 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964676 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964676 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964941 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964941 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964942 | Soil | | | | | | | | | | | | | | | | | | | | |
| REP 1964942 | QC | | | | | | | | | | | | | | | | | | | | |
| 1964974 | Soil | 0.013 | 0.03 | 0.3 | 0.8 | 0.07 | 0.18 | 142 | 6.2 | <0.02 | 1.0 | 0.32 | <0.1 | <0.02 | 0.14 | 1.7 | <0.1 | <0.05 | 0.4 | 4.71 | 2.3 |
| REP 1964974 | QC | 0.013 | 0.04 | 0.3 | 0.9 | 0.07 | 0.19 | 141 | 5.7 | 0.05 | 1.1 | 0.34 | <0.1 | <0.02 | 0.12 | 1.8 | <0.1 | <0.05 | 0.4 | 4.65 | 2.6 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 0.082 | 0.40 | 3.1 | 2.2 | 5.28 | 0.16 | 205 | 5.5 | 5.16 | 4.5 | 2.46 | 0.1 | 0.06 | 1.08 | 34.8 | 6.2 | <0.05 | 1.6 | 5.38 | 21.7 |
| STD DS9 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 0.085 | 0.40 | 3.4 | 2.5 | 5.77 | 0.18 | 217 | 5.8 | 4.96 | 5.2 | 2.50 | 0.2 | 0.06 | 0.92 | 31.8 | 6.1 | <0.05 | 1.9 | 5.68 | 21.3 |
| STD OREAS45EA | Standard | 0.017 | 0.05 | <0.1 | 71.1 | <0.02 | 0.03 | 16 | 1.9 | 0.16 | 12.2 | 0.64 | 0.2 | 0.52 | 0.08 | 6.6 | 0.8 | <0.05 | 15.7 | 4.49 | 14.7 |
| STD OREAS45EA | Standard | 0.020 | 0.05 | <0.1 | 80.6 | 0.06 | 0.04 | 20 | 0.4 | 0.08 | 12.5 | 0.62 | 0.2 | 0.67 | 0.06 | 6.5 | 0.8 | <0.05 | 23.8 | 5.06 | 15.1 |
| STD DS9 Expected | | 0.0853 | 0.395 | 2.89 | 2.5 | 5.3 | 0.1615 | 200 | 5.2 | 5.02 | 4.59 | 2.37 | 0.1 | 0.08 | 0.96 | 33.8 | 6.4 | 0.004 | 2 | 5.97 | 25.4 |
| STD OREAS45EA Expected | | 0.027 | 0.053 | | 78 | 0.072 | 0.044 | 340 | 2.09 | 0.11 | 11.7 | 0.77 | 0.26 | 0.82 | 0.43 | 7.93 | 0.97 | | 26.6 | 5.74 | 17.7 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | 0.4 | <0.02 | 0.1 | <0.02 | <0.1 | <0.02 | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |



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Project: Fleet
 Report Date: September 05, 2013

Page: 1 of 2

Part: 6 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| Method Analyte | | 1F | 1F | 1F | 1F | 1F | 1F |
|------------------------|----------|-------|-----|------|------|-----|-----|
| | | In | Re | Be | Li | Pd | Pt |
| Unit | | ppm | ppb | ppm | ppm | ppb | ppb |
| MDL | | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| Pulp Duplicates | | | | | | | |
| 1964907 | Soil | | | | | | |
| REP 1964907 | QC | | | | | | |
| 1964864 | Soil | | | | | | |
| REP 1964864 | QC | | | | | | |
| 1964879 | Soil | | | | | | |
| REP 1964879 | QC | | | | | | |
| 1964676 | Soil | | | | | | |
| REP 1964676 | QC | | | | | | |
| 1964941 | Soil | | | | | | |
| REP 1964941 | QC | | | | | | |
| 1964942 | Soil | | | | | | |
| REP 1964942 | QC | | | | | | |
| 1964974 | Soil | <0.02 | 84 | 0.1 | 1.2 | 15 | <2 |
| REP 1964974 | QC | <0.02 | 85 | 0.2 | 1.0 | 10 | <2 |
| Reference Materials | | | | | | | |
| STD DS9 | Standard | | | | | | |
| STD DS9 | Standard | | | | | | |
| STD DS9 | Standard | 2.15 | 54 | 5.7 | 24.2 | 107 | 359 |
| STD DS9 | Standard | | | | | | |
| STD DS9 | Standard | 2.01 | 69 | 5.9 | 21.8 | 141 | 402 |
| STD OREAS45EA | Standard | 0.07 | <1 | 0.2 | 2.6 | 58 | 105 |
| STD OREAS45EA | Standard | 0.07 | <1 | 0.5 | 2.0 | 59 | 118 |
| STD DS9 Expected | | 2.2 | 61 | 5.4 | 25.2 | 120 | 350 |
| STD OREAS45EA Expected | | 0.1 | | 0.47 | 7.63 | 66 | 108 |
| BLK | Blank | | | | | | |
| BLK | Blank | | | | | | |
| BLK | Blank | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | | | | | | |



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Project: Fleet
Report Date: September 05, 2013

Page: 2 of 2

Part: 1 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| | | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| BLK | Blank | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |



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Page: 2 of 2

Part: 2 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| | | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-----|-------|------|------|------|------|-------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm |
| BLK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |



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Report Date: September 05, 2013

Page: 2 of 2

Part: 3 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F | 1F | 1F | 1F | 1F | 1F | 1F |
|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-----|------|------|
| | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | Mo | Cu | Pb | Zn | Ag | Ni | Co |
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppb | ppb | ppm | ppm | ppm | ppm | ppb | ppm | ppm |
| BLK | Blank | | | | | | | | | | | | | | | | | | | |
| | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 |
| | | | | | | | | | | | | | | <0.01 | 0.02 | <0.01 | <0.1 | <2 | <0.1 | <0.1 |



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Project: Fleet
Report Date: September 05, 2013

Page: 2 of 2

Part: 4 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|-----|-------|------|-------|------|------|------|------|------|-------|-------|-------|------|-------|--------|------|------|-------|-------|--------|------|-------|
| | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | |
| | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | |
| | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 20 | 0.01 | |
| BLK | Blank | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | 0.01 | <0.001 | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <20 | <0.01 |



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Report Date: September 05, 2013

Page: 2 of 2

Part: 5 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| | | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | 1F | |
|-----|-------|--------|-------|------|------|-------|-------|-----|------|-------|------|-------|------|-------|-------|------|------|-------|------|-------|-----|
| | | Na | K | W | Sc | Ti | S | Hg | Se | Te | Ga | Cs | Ge | Hf | Nb | Rb | Sn | Ta | Zr | Y | Ce |
| | | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| BLK | Blank | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | 0.1 |



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Page: 2 of 2

Part: 6 of 6

QUALITY CONTROL REPORT

SMI13000189.1

| | | 1F | 1F | 1F | 1F | 1F | 1F |
|-----|-------|-------|-----|------|------|-----|-----|
| | | In | Re | Be | Li | Pd | Pt |
| | | ppm | ppb | ppm | ppm | ppb | ppb |
| | | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| BLK | Blank | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |



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Submitted By: Hilary Clarke and Dave Moore
Receiving Lab: Canada-Smithers
Received: August 16, 2013
Report Date: August 29, 2013
Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI13000191.1

CLIENT JOB INFORMATION

Project: Fleet
Shipment ID: FL2013-2
P.O. Number
Number of Samples: 52

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

Invoice To: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|---|--------------|---------------|-----|
| SS80 | 52 | Dry at 60C sieve 100g to -80 mesh | | | SMI |
| Dry at 60C | 52 | Dry at 60C | | | SMI |
| RJSV | 52 | Saving all or part of Soil Reject | | | SMI |
| 1F02 | 52 | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15 | Completed | VAN |

ADDITIONAL COMMENTS



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



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Page: 2 of 3 Part: 1 of 2

CERTIFICATE OF ANALYSIS

SMI13000191.1

| Method Analyte | Unit | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| MDL | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| 1964050 | Soil | 1.46 | 11.08 | 6.70 | 35.5 | 138 | 10.4 | 7.1 | 200 | 2.59 | 1.4 | 0.3 | 3.3 | 0.8 | 12.4 | 0.14 | 0.18 | 0.18 | 96 | 0.17 | 0.057 |
| 1964493 | Soil | 4.03 | 58.50 | 2.47 | 29.1 | 22 | 16.3 | 9.8 | 244 | 2.68 | 2.1 | 1.0 | 5.7 | 1.7 | 28.4 | 0.08 | 0.10 | 0.06 | 79 | 0.46 | 0.068 |
| 1964679 | Soil | 48.71 | 368.6 | 10.26 | 63.2 | 290 | 62.1 | 20.0 | 520 | 4.58 | 5.1 | 0.7 | 11.4 | 0.4 | 46.1 | 0.22 | 0.23 | 2.92 | 129 | 0.46 | 0.033 |
| 1964681 | Soil | 2.83 | 10.93 | 5.92 | 15.7 | 138 | 8.9 | 4.4 | 90 | 1.38 | 0.8 | 0.2 | 2.5 | <0.1 | 16.3 | 0.03 | 0.14 | 0.40 | 63 | 0.17 | 0.032 |
| 1964853 | Soil | 3.52 | 173.7 | 1.72 | 29.4 | 101 | 43.9 | 20.2 | 247 | 2.61 | 1.4 | 0.3 | 8.3 | 0.7 | 34.5 | 0.08 | 0.05 | 0.14 | 64 | 0.34 | 0.046 |
| 1964862 | Soil | 11.91 | 145.5 | 2.73 | 28.8 | 234 | 35.7 | 13.1 | 211 | 2.58 | 1.4 | 0.4 | 7.8 | 0.5 | 33.8 | 0.17 | 0.06 | 0.11 | 68 | 0.51 | 0.037 |
| 1964876 | Soil | 27.05 | 25.35 | 5.44 | 34.0 | 151 | 10.3 | 6.8 | 252 | 2.25 | 1.3 | 1.7 | 4.1 | 0.5 | 22.1 | 0.13 | 0.12 | 0.14 | 81 | 0.28 | 0.031 |
| 1964877 | Soil | 19.97 | 44.97 | 10.38 | 13.9 | 263 | 7.9 | 2.9 | 61 | 1.07 | 0.5 | 0.5 | 4.0 | 0.2 | 27.1 | 0.19 | 0.14 | 0.33 | 44 | 0.19 | 0.025 |
| 1964904 | Soil | 4.86 | 61.10 | 4.40 | 41.5 | 180 | 27.8 | 11.2 | 214 | 4.59 | 2.0 | 0.3 | 4.6 | 0.8 | 24.3 | 0.12 | 0.14 | 0.14 | 122 | 0.24 | 0.065 |
| 1964908 | Soil | 9.22 | 96.84 | 2.28 | 38.7 | 102 | 25.7 | 14.0 | 354 | 3.11 | 2.6 | 0.3 | 21.1 | 0.6 | 30.3 | 0.09 | 0.07 | 0.08 | 78 | 0.50 | 0.050 |
| 1964912 | Soil | 1.13 | 14.15 | 6.16 | 26.9 | 792 | 7.6 | 4.9 | 137 | 2.06 | 0.9 | 0.3 | 1.0 | 0.6 | 13.4 | 0.09 | 0.10 | 0.13 | 64 | 0.17 | 0.050 |
| 1964916 | Soil | 22.98 | 18.33 | 6.20 | 26.7 | 103 | 12.6 | 7.6 | 165 | 4.27 | 1.7 | 0.3 | 13.7 | 0.7 | 20.1 | 0.10 | 0.20 | 0.20 | 194 | 0.19 | 0.024 |
| 1964919 | Soil | 42.04 | 43.96 | 3.45 | 30.6 | 130 | 22.6 | 10.8 | 193 | 3.88 | 1.8 | 0.5 | 5.8 | 1.4 | 29.2 | 0.15 | 0.08 | 0.10 | 101 | 0.34 | 0.032 |
| 1964927 | Soil | 2.74 | 19.72 | 4.91 | 21.3 | 514 | 23.8 | 6.8 | 170 | 1.61 | 0.8 | 0.2 | 9.2 | <0.1 | 10.4 | 0.08 | 0.09 | 0.38 | 62 | 0.20 | 0.029 |
| 1964931 | Soil | 36.57 | 27.85 | 5.09 | 31.9 | 66 | 22.9 | 10.8 | 179 | 4.21 | 1.5 | 0.2 | 7.7 | 0.4 | 23.9 | 0.19 | 0.09 | 0.29 | 177 | 0.22 | 0.020 |
| 1964903 | Soil | 2.68 | 235.1 | 1.48 | 29.7 | 190 | 44.0 | 19.7 | 256 | 2.94 | 1.7 | 0.3 | 7.2 | 0.7 | 33.3 | 0.12 | 0.05 | 0.10 | 65 | 0.38 | 0.072 |
| 1964832 | Soil | 11.85 | 28.29 | 5.71 | 31.9 | 108 | 11.5 | 7.3 | 178 | 2.12 | 0.5 | 0.5 | 2.9 | 0.7 | 19.9 | 0.14 | 0.09 | 0.11 | 69 | 0.25 | 0.018 |
| 1964880 | Soil | 16.07 | 15.99 | 7.39 | 22.5 | 137 | 14.4 | 6.3 | 168 | 3.15 | 1.4 | 0.2 | 2.7 | 0.3 | 20.8 | 0.11 | 0.13 | 0.19 | 146 | 0.24 | 0.029 |
| 1964892 | Soil | 28.03 | 86.75 | 3.13 | 41.0 | 128 | 30.4 | 14.3 | 350 | 2.53 | 0.8 | 0.2 | 3.9 | 0.4 | 27.4 | 0.16 | 0.08 | 0.12 | 72 | 0.31 | 0.030 |
| 1964954 | Soil | 12.52 | 27.21 | 4.58 | 45.9 | 354 | 32.0 | 12.7 | 280 | 3.50 | 1.8 | 0.2 | 2.8 | 0.4 | 31.7 | 0.12 | 0.14 | 0.14 | 109 | 0.28 | 0.055 |
| 1964955 | Soil | 10.38 | 55.67 | 4.46 | 40.8 | 271 | 18.8 | 10.1 | 416 | 3.19 | 1.5 | 0.4 | 3.8 | 0.2 | 31.7 | 0.16 | 0.11 | 0.14 | 80 | 0.23 | 0.067 |
| 1964956 | Soil | 8.47 | 22.74 | 5.58 | 33.6 | 267 | 18.3 | 7.7 | 177 | 2.82 | 1.9 | 0.3 | 2.2 | 0.5 | 28.3 | 0.13 | 0.13 | 0.16 | 93 | 0.22 | 0.035 |
| 1964957 | Soil | 5.97 | 61.34 | 4.71 | 31.7 | 283 | 28.7 | 13.9 | 244 | 3.44 | 2.1 | 0.3 | 5.2 | 0.2 | 38.6 | 0.19 | 0.14 | 0.15 | 107 | 0.30 | 0.059 |
| 1964958 | Soil | 10.37 | 203.6 | 2.69 | 45.5 | 588 | 57.8 | 19.3 | 373 | 4.51 | 3.1 | 0.3 | 9.6 | 0.5 | 34.6 | 0.14 | 0.09 | 0.16 | 113 | 0.30 | 0.059 |
| 1964959 | Soil | 19.97 | 412.8 | 3.59 | 61.3 | 178 | 86.3 | 38.0 | 940 | 4.52 | 4.5 | 0.4 | 26.3 | 0.6 | 82.7 | 0.14 | 0.11 | 0.34 | 102 | 0.65 | 0.094 |
| 1964960 | Soil | 44.99 | 150.9 | 5.18 | 52.0 | 306 | 39.6 | 43.4 | 2146 | 3.36 | 1.5 | 0.6 | 13.5 | <0.1 | 63.4 | 0.21 | 0.12 | 0.26 | 93 | 0.45 | 0.106 |
| 1964961 | Soil | 3.11 | 64.38 | 3.85 | 34.1 | 105 | 22.9 | 11.4 | 256 | 3.67 | 2.4 | 0.3 | 3.5 | 0.7 | 24.4 | 0.06 | 0.10 | 0.11 | 105 | 0.25 | 0.061 |
| 1964962 | Soil | 3.74 | 90.49 | 4.46 | 35.1 | 271 | 19.5 | 10.0 | 206 | 2.93 | 1.8 | 0.3 | 4.3 | 0.2 | 33.0 | 0.16 | 0.12 | 0.13 | 61 | 0.28 | 0.074 |
| 1964963 | Soil | 3.93 | 83.49 | 3.02 | 51.2 | 208 | 25.7 | 13.4 | 252 | 4.50 | 2.9 | 0.3 | 7.3 | 0.6 | 21.4 | 0.12 | 0.09 | 0.10 | 112 | 0.25 | 0.037 |
| 1964964 | Soil | 6.03 | 59.64 | 6.33 | 59.1 | 112 | 23.8 | 12.9 | 234 | 3.18 | 2.3 | 0.4 | 12.5 | 0.5 | 37.8 | 0.15 | 0.15 | 0.26 | 95 | 0.36 | 0.045 |

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Page: 2 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI13000191.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------|---------|------|-------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 |
| 1964050 | Soil | 5.8 | 25.8 | 0.58 | 34.2 | 0.215 | 2 | 1.46 | 0.014 | 0.03 | 0.3 | 2.1 | 0.03 | <0.02 | 24 | <0.1 | <0.02 | 16.1 |
| 1964493 | Soil | 6.4 | 39.8 | 0.65 | 54.9 | 0.084 | 2 | 1.70 | 0.034 | 0.05 | 0.2 | 3.7 | <0.02 | <0.02 | 14 | 0.1 | 0.02 | 4.5 |
| 1964679 | Soil | 2.5 | 119.1 | 1.88 | 69.7 | 0.156 | 2 | 2.76 | 0.018 | 0.05 | 0.4 | 5.8 | 0.11 | 0.03 | 32 | 0.2 | 0.32 | 9.3 |
| 1964681 | Soil | 3.2 | 26.0 | 0.24 | 27.7 | 0.128 | 1 | 0.63 | 0.016 | 0.03 | 0.2 | 1.4 | 0.07 | 0.02 | 30 | <0.1 | 0.10 | 7.5 |
| 1964853 | Soil | 3.2 | 59.3 | 1.03 | 44.6 | 0.105 | 2 | 2.31 | 0.019 | 0.05 | 2.0 | 3.9 | 0.05 | <0.02 | 28 | 0.1 | 0.14 | 5.0 |
| 1964862 | Soil | 4.3 | 47.6 | 0.88 | 46.9 | 0.118 | 1 | 1.97 | 0.023 | 0.03 | 1.1 | 3.4 | 0.03 | 0.03 | 31 | 0.3 | 0.10 | 6.3 |
| 1964876 | Soil | 4.9 | 27.0 | 0.46 | 50.5 | 0.117 | 1 | 1.22 | 0.016 | 0.04 | 0.3 | 2.4 | 0.03 | 0.02 | 25 | <0.1 | 0.06 | 7.6 |
| 1964877 | Soil | 7.0 | 21.1 | 0.17 | 60.8 | 0.121 | <1 | 0.82 | 0.008 | 0.03 | 0.2 | 1.3 | 0.06 | 0.03 | 43 | 0.2 | 0.07 | 6.9 |
| 1964904 | Soil | 3.3 | 55.7 | 0.83 | 50.3 | 0.219 | <1 | 2.57 | 0.013 | 0.04 | 1.2 | 3.3 | 0.04 | 0.02 | 61 | <0.1 | 0.10 | 12.6 |
| 1964908 | Soil | 3.5 | 47.6 | 1.00 | 59.3 | 0.156 | <1 | 2.33 | 0.023 | 0.03 | 0.7 | 3.4 | 0.02 | 0.02 | 25 | 0.1 | <0.02 | 7.0 |
| 1964912 | Soil | 5.2 | 30.7 | 0.41 | 36.5 | 0.134 | <1 | 2.42 | 0.008 | 0.02 | 0.2 | 3.7 | 0.03 | 0.03 | 39 | 0.1 | 0.02 | 10.4 |
| 1964916 | Soil | 3.1 | 48.2 | 0.49 | 29.3 | 0.291 | <1 | 1.55 | 0.012 | 0.02 | 0.3 | 2.6 | 0.03 | <0.02 | 28 | <0.1 | 0.04 | 16.3 |
| 1964919 | Soil | 5.0 | 54.2 | 0.80 | 36.5 | 0.163 | <1 | 3.25 | 0.015 | 0.03 | 0.3 | 4.1 | 0.04 | 0.04 | 53 | 0.3 | 0.05 | 11.7 |
| 1964927 | Soil | 2.2 | 79.3 | 0.62 | 37.7 | 0.123 | <1 | 1.07 | 0.011 | 0.05 | 0.9 | 3.1 | 0.13 | 0.02 | 23 | <0.1 | 0.47 | 5.7 |
| 1964931 | Soil | 2.0 | 58.1 | 0.81 | 44.8 | 0.266 | <1 | 1.45 | 0.016 | 0.05 | 0.5 | 3.4 | 0.04 | 0.04 | 28 | <0.1 | 0.16 | 12.6 |
| 1964903 | Soil | 2.9 | 63.5 | 1.13 | 54.1 | 0.100 | <1 | 3.62 | 0.017 | 0.05 | 1.3 | 4.7 | 0.04 | 0.02 | 32 | 0.2 | 0.12 | 5.1 |
| 1964832 | Soil | 5.3 | 24.5 | 0.55 | 108.3 | 0.132 | <1 | 1.20 | 0.013 | 0.02 | 0.3 | 2.7 | 0.02 | <0.02 | 8 | <0.1 | 0.04 | 8.2 |
| 1964880 | Soil | 3.1 | 44.0 | 0.49 | 43.0 | 0.231 | <1 | 1.34 | 0.012 | 0.03 | 0.1 | 2.8 | 0.03 | 0.02 | 32 | <0.1 | 0.07 | 13.2 |
| 1964892 | Soil | 2.4 | 54.7 | 0.83 | 46.8 | 0.151 | <1 | 1.75 | 0.017 | 0.03 | 1.2 | 3.2 | 0.03 | 0.02 | 27 | 0.2 | 0.07 | 6.7 |
| 1964954 | Soil | 3.1 | 61.0 | 1.01 | 52.5 | 0.252 | <1 | 1.83 | 0.010 | 0.04 | 0.4 | 2.7 | 0.03 | 0.04 | 28 | 0.1 | 0.07 | 9.5 |
| 1964955 | Soil | 3.7 | 39.6 | 0.62 | 67.9 | 0.113 | <1 | 2.39 | 0.013 | 0.04 | 0.5 | 2.2 | 0.04 | 0.05 | 43 | 0.3 | 0.11 | 9.7 |
| 1964956 | Soil | 4.1 | 39.6 | 0.56 | 57.5 | 0.207 | <1 | 1.66 | 0.012 | 0.03 | 0.5 | 2.3 | 0.04 | 0.03 | 46 | 0.2 | 0.08 | 11.7 |
| 1964957 | Soil | 2.3 | 56.1 | 0.83 | 56.4 | 0.173 | <1 | 1.85 | 0.012 | 0.03 | 0.4 | 2.6 | 0.04 | 0.06 | 56 | 0.2 | 0.17 | 8.2 |
| 1964958 | Soil | 2.5 | 121.7 | 1.74 | 39.9 | 0.198 | <1 | 4.39 | 0.012 | 0.05 | 1.4 | 5.3 | 0.05 | 0.06 | 85 | 0.8 | 0.18 | 8.4 |
| 1964959 | Soil | 4.5 | 131.7 | 2.13 | 112.1 | 0.135 | 1 | 3.70 | 0.016 | 0.15 | 2.7 | 5.7 | 0.13 | 0.04 | 11 | 0.8 | 0.28 | 7.9 |
| 1964960 | Soil | 3.6 | 71.8 | 1.12 | 91.0 | 0.054 | 1 | 2.42 | 0.017 | 0.06 | 2.1 | 1.7 | 0.14 | 0.05 | 29 | 0.4 | 0.16 | 8.2 |
| 1964961 | Soil | 2.6 | 51.6 | 0.79 | 46.4 | 0.232 | <1 | 3.12 | 0.012 | 0.03 | 0.5 | 4.0 | 0.04 | 0.03 | 27 | 0.3 | 0.09 | 8.8 |
| 1964962 | Soil | 3.5 | 35.2 | 0.53 | 55.5 | 0.105 | <1 | 2.99 | 0.013 | 0.04 | 0.6 | 2.6 | 0.04 | 0.08 | 85 | 0.6 | 0.13 | 9.6 |
| 1964963 | Soil | 2.5 | 67.7 | 0.99 | 43.0 | 0.264 | <1 | 2.91 | 0.011 | 0.02 | 1.9 | 3.7 | 0.03 | 0.03 | 49 | 0.3 | 0.11 | 11.3 |
| 1964964 | Soil | 7.0 | 38.5 | 0.72 | 60.4 | 0.206 | <1 | 2.04 | 0.015 | 0.04 | 0.9 | 3.0 | 0.06 | 0.03 | 19 | 0.3 | 0.12 | 16.3 |

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Page: 3 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

SMI13000191.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|-------|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| 1964965 | Soil | 7.28 | 223.6 | 2.80 | 65.7 | 222 | 27.9 | 27.8 | 495 | 4.06 | 2.1 | 0.4 | 1.2 | 0.4 | 21.0 | 0.36 | 0.06 | 0.08 | 93 | 0.47 | 0.043 |
| 1964966 | Soil | 7.96 | 82.25 | 4.81 | 56.2 | 177 | 21.9 | 15.7 | 380 | 3.01 | 1.4 | 0.3 | 3.8 | 0.2 | 29.7 | 0.19 | 0.12 | 0.15 | 79 | 0.35 | 0.029 |
| 1964972 | Soil | 9.96 | 173.7 | 3.13 | 40.6 | 209 | 39.1 | 17.2 | 358 | 3.72 | 3.5 | 0.4 | 5.3 | 0.5 | 30.5 | 0.21 | 0.08 | 0.13 | 84 | 0.42 | 0.024 |
| 1964975 | Soil | 1.59 | 125.1 | 1.96 | 34.7 | 367 | 39.1 | 16.5 | 311 | 3.35 | 3.0 | 0.3 | 14.3 | 1.0 | 22.1 | 0.16 | 0.09 | 0.08 | 67 | 0.29 | 0.047 |
| 1964976 | Soil | 51.79 | 292.6 | 2.89 | 47.1 | 194 | 76.1 | 45.8 | 399 | 9.13 | 11.2 | 0.2 | 7.9 | 0.4 | 9.7 | 0.07 | 0.04 | 0.56 | 144 | 0.17 | 0.069 |
| 1964977 | Soil | 13.30 | 467.0 | 4.42 | 57.7 | 257 | 58.7 | 36.7 | 773 | 4.17 | 2.9 | 0.4 | 30.3 | 0.6 | 100.3 | 0.22 | 0.05 | 0.27 | 98 | 0.89 | 0.091 |
| 1964978 | Soil | 13.68 | 495.8 | 4.11 | 56.7 | 140 | 57.7 | 32.9 | 790 | 4.54 | 3.4 | 0.4 | 57.5 | 0.5 | 100.3 | 0.14 | 0.06 | 0.32 | 109 | 0.86 | 0.084 |
| 1964979 | Soil | 10.12 | 357.3 | 3.58 | 52.4 | 242 | 57.3 | 28.9 | 687 | 3.97 | 3.2 | 0.3 | 33.9 | 0.4 | 87.2 | 0.13 | 0.07 | 0.28 | 97 | 0.77 | 0.081 |
| 1964980 | Soil | 13.18 | 763.6 | 4.80 | 65.0 | 486 | 75.1 | 47.6 | 1191 | 4.93 | 4.1 | 0.6 | 51.2 | 0.4 | 108.8 | 0.31 | 0.06 | 0.37 | 113 | 1.01 | 0.091 |
| 1964981 | Soil | 21.75 | 323.6 | 5.10 | 74.4 | 496 | 77.8 | 38.1 | 1187 | 5.31 | 4.6 | 1.0 | 11.0 | 0.3 | 112.0 | 0.15 | 0.07 | 0.73 | 144 | 0.54 | 0.065 |
| 1964982 | Soil | 3.40 | 293.2 | 2.41 | 49.5 | 299 | 96.0 | 31.4 | 683 | 4.15 | 3.9 | 0.4 | 5.2 | 0.2 | 47.4 | 0.24 | 0.04 | 0.09 | 130 | 0.70 | 0.058 |
| 1964983 | Soil | 9.94 | 58.61 | 3.44 | 63.5 | 86 | 46.3 | 19.5 | 547 | 5.01 | 3.5 | 0.2 | 10.5 | 0.5 | 28.1 | 0.17 | 0.17 | 0.15 | 181 | 0.32 | 0.039 |
| 1964984 | Soil | 19.32 | 157.3 | 5.42 | 64.2 | 96 | 67.9 | 22.9 | 647 | 4.41 | 5.9 | 0.4 | 4.8 | 0.4 | 35.5 | 0.24 | 0.16 | 0.16 | 161 | 0.35 | 0.056 |
| 1964985 | Soil | 2.78 | 327.6 | 1.61 | 36.8 | 354 | 80.9 | 26.0 | 537 | 2.98 | 23.3 | 1.8 | 16.8 | 0.2 | 64.2 | 0.29 | 0.13 | 0.05 | 91 | 1.39 | 0.058 |
| 1964986 | Soil | 33.50 | 251.6 | 3.91 | 59.1 | 75 | 48.7 | 29.8 | 2678 | 3.72 | 3.8 | 0.6 | 15.0 | 0.1 | 54.8 | 0.27 | 0.08 | 0.22 | 119 | 0.63 | 0.114 |
| 1964684 | Soil | 4.88 | 7.71 | 5.59 | 13.1 | 78 | 6.5 | 3.3 | 74 | 1.47 | 0.8 | 0.2 | 3.8 | 0.3 | 16.7 | 0.10 | 0.15 | 0.18 | 100 | 0.19 | 0.016 |
| 1964987 | Soil | 11.16 | 481.3 | 2.12 | 41.6 | 208 | 43.4 | 23.0 | 464 | 3.24 | 2.7 | 1.4 | 12.9 | 0.2 | 40.7 | 0.19 | 0.06 | 0.14 | 95 | 0.71 | 0.083 |
| 1964988 | Soil | 9.88 | 100.3 | 2.16 | 42.1 | 225 | 52.9 | 15.3 | 227 | 3.34 | 1.7 | 0.2 | 4.4 | 0.2 | 42.8 | 0.08 | 0.04 | 0.19 | 135 | 0.30 | 0.039 |
| 1964989 | Soil | 1.46 | 21.97 | 4.20 | 59.4 | 599 | 15.1 | 10.8 | 371 | 4.75 | 4.0 | 0.3 | 0.9 | 0.7 | 12.8 | 0.13 | 0.12 | 0.08 | 163 | 0.21 | 0.057 |
| 1964990 | Soil | 1.13 | 39.21 | 1.80 | 31.1 | 225 | 17.9 | 9.2 | 235 | 2.81 | 3.0 | 0.2 | 1.2 | 0.6 | 22.1 | 0.12 | 0.09 | 0.04 | 78 | 0.36 | 0.049 |
| 1964991 | Soil | 0.81 | 19.58 | 2.17 | 45.6 | 118 | 15.0 | 8.4 | 253 | 3.11 | 1.7 | 0.2 | 30.0 | 0.6 | 15.6 | 0.12 | 0.10 | 0.04 | 88 | 0.28 | 0.034 |
| 1964992 | Soil | 1.06 | 93.83 | 1.45 | 31.7 | 168 | 26.9 | 13.0 | 283 | 2.95 | 3.0 | 0.2 | 3.5 | 0.7 | 22.8 | 0.13 | 0.07 | 0.05 | 82 | 0.30 | 0.040 |



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Page: 3 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI13000191.1

| | Method Analyte Unit MDL | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------|----------------------------------|------|-------|------|-------|-------|------|------|--------|------|------|------|-------|-------|------|------|------|------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm |
| | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 |
| 1964965 | Soil | 4.2 | 60.6 | 1.53 | 27.4 | 0.176 | <1 | 3.18 | 0.009 | 0.03 | 0.7 | 2.7 | 0.03 | 0.05 | 29 | 0.7 | 0.04 | 7.4 |
| 1964966 | Soil | 3.9 | 41.2 | 1.05 | 68.3 | 0.142 | <1 | 2.18 | 0.013 | 0.03 | 0.8 | 3.0 | 0.06 | 0.04 | 24 | 0.1 | 0.10 | 8.2 |
| 1964972 | Soil | 2.6 | 68.0 | 1.27 | 65.7 | 0.139 | <1 | 2.66 | 0.014 | 0.04 | 0.8 | 4.7 | 0.02 | 0.02 | 36 | 0.3 | 0.11 | 6.9 |
| 1964975 | Soil | 4.2 | 81.8 | 1.22 | 72.0 | 0.152 | <1 | 3.96 | 0.012 | 0.04 | 0.6 | 5.7 | 0.03 | <0.02 | 43 | 0.4 | 0.09 | 5.6 |
| 1964976 | Soil | 1.2 | 166.0 | 0.57 | 82.9 | 0.002 | <1 | 2.73 | <0.001 | 0.04 | 0.6 | 16.0 | 0.11 | 0.02 | 25 | 0.9 | 1.15 | 4.8 |
| 1964977 | Soil | 4.1 | 99.2 | 1.66 | 115.1 | 0.051 | <1 | 2.73 | 0.009 | 0.08 | 1.3 | 7.7 | 0.05 | 0.05 | 26 | 0.4 | 0.33 | 6.6 |
| 1964978 | Soil | 4.5 | 99.3 | 1.71 | 125.9 | 0.030 | 2 | 3.15 | 0.018 | 0.05 | 1.3 | 7.5 | 0.07 | <0.02 | 38 | 0.4 | 0.40 | 8.3 |
| 1964979 | Soil | 3.5 | 96.5 | 1.61 | 99.5 | 0.037 | 2 | 2.64 | 0.014 | 0.08 | 1.3 | 7.1 | 0.05 | 0.05 | 18 | 0.4 | 0.33 | 7.1 |
| 1964980 | Soil | 5.8 | 113.0 | 1.89 | 131.7 | 0.048 | 2 | 3.38 | 0.016 | 0.13 | 1.1 | 10.5 | 0.08 | 0.04 | 20 | 0.8 | 0.45 | 8.0 |
| 1964981 | Soil | 3.6 | 141.2 | 2.25 | 98.2 | 0.141 | 1 | 4.18 | 0.022 | 0.13 | 2.0 | 3.8 | 0.19 | 0.07 | 55 | 0.8 | 0.67 | 12.8 |
| 1964982 | Soil | 1.5 | 120.8 | 2.70 | 56.8 | 0.123 | 1 | 3.29 | 0.036 | 0.08 | 0.3 | 4.6 | 0.05 | 0.04 | 32 | 0.3 | 0.10 | 8.6 |
| 1964983 | Soil | 1.8 | 94.9 | 1.68 | 53.1 | 0.415 | <1 | 2.84 | 0.018 | 0.05 | 0.6 | 3.9 | 0.05 | 0.02 | 40 | 0.3 | 0.11 | 11.6 |
| 1964984 | Soil | 3.2 | 98.2 | 1.87 | 38.9 | 0.183 | <1 | 2.56 | 0.014 | 0.04 | 0.7 | 2.9 | 0.06 | 0.04 | 54 | 0.3 | 0.12 | 11.2 |
| 1964985 | Soil | 3.0 | 131.5 | 1.98 | 44.8 | 0.087 | 2 | 3.12 | 0.027 | 0.05 | 0.6 | 7.3 | 0.08 | 0.05 | 56 | 1.7 | 0.05 | 6.1 |
| 1964986 | Soil | 5.1 | 83.6 | 1.41 | 89.3 | 0.026 | <1 | 2.82 | 0.018 | 0.06 | 0.8 | 3.8 | 0.06 | 0.07 | 38 | 0.5 | 0.14 | 8.2 |
| 1964684 | Soil | 2.6 | 25.1 | 0.17 | 30.3 | 0.169 | 1 | 0.60 | 0.012 | 0.02 | 0.1 | 1.6 | 0.02 | <0.02 | 20 | 0.1 | 0.04 | 9.6 |
| 1964987 | Soil | 10.2 | 76.5 | 1.39 | 51.5 | 0.043 | <1 | 2.81 | 0.021 | 0.05 | 0.6 | 6.5 | 0.07 | 0.07 | 40 | 0.8 | 0.09 | 6.4 |
| 1964988 | Soil | 1.8 | 101.7 | 1.17 | 51.7 | 0.082 | 1 | 2.01 | 0.018 | 0.06 | 1.1 | 4.9 | 0.06 | 0.05 | 42 | 0.3 | 0.26 | 9.6 |
| 1964989 | Soil | 3.0 | 69.1 | 1.20 | 99.4 | 0.195 | <1 | 3.94 | 0.016 | 0.02 | 0.4 | 7.9 | 0.02 | 0.03 | 80 | 0.3 | 0.05 | 11.9 |
| 1964990 | Soil | 2.9 | 37.5 | 0.70 | 49.3 | 0.118 | <1 | 2.57 | 0.021 | 0.03 | 0.2 | 3.7 | 0.02 | 0.03 | 38 | 0.4 | 0.03 | 5.8 |
| 1964991 | Soil | 2.1 | 41.8 | 0.78 | 29.2 | 0.176 | <1 | 2.86 | 0.018 | 0.03 | 0.3 | 4.0 | <0.02 | <0.02 | 47 | 0.3 | 0.03 | 6.9 |
| 1964992 | Soil | 2.8 | 54.9 | 1.00 | 42.0 | 0.135 | <1 | 3.29 | 0.020 | 0.02 | 0.4 | 3.5 | 0.02 | <0.02 | 22 | 0.3 | 0.06 | 5.7 |



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 Report Date: August 29, 2013

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

SMI13000191.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------------------|----------|-------|-------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|------|--------|--------|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 1964862 | Soil | 11.91 | 145.5 | 2.73 | 28.8 | 234 | 35.7 | 13.1 | 211 | 2.58 | 1.4 | 0.4 | 7.8 | 0.5 | 33.8 | 0.17 | 0.06 | 0.11 | 68 | 0.51 | 0.037 |
| REP 1964862 | QC | 11.62 | 143.2 | 2.72 | 30.1 | 230 | 36.5 | 13.0 | 203 | 2.55 | 1.1 | 0.4 | 7.3 | 0.5 | 32.8 | 0.17 | 0.05 | 0.10 | 68 | 0.51 | 0.038 |
| 1964892 | Soil | 28.03 | 86.75 | 3.13 | 41.0 | 128 | 30.4 | 14.3 | 350 | 2.53 | 0.8 | 0.2 | 3.9 | 0.4 | 27.4 | 0.16 | 0.08 | 0.12 | 72 | 0.31 | 0.030 |
| REP 1964892 | QC | 28.62 | 88.71 | 3.09 | 43.5 | 146 | 31.0 | 14.6 | 378 | 2.57 | 0.8 | 0.2 | 7.8 | 0.4 | 27.3 | 0.15 | 0.07 | 0.10 | 74 | 0.31 | 0.031 |
| 1964979 | Soil | 10.12 | 357.3 | 3.58 | 52.4 | 242 | 57.3 | 28.9 | 687 | 3.97 | 3.2 | 0.3 | 33.9 | 0.4 | 87.2 | 0.13 | 0.07 | 0.28 | 97 | 0.77 | 0.081 |
| REP 1964979 | QC | 10.24 | 374.7 | 3.74 | 56.1 | 262 | 56.4 | 30.7 | 696 | 4.01 | 2.8 | 0.3 | 33.8 | 0.4 | 85.1 | 0.14 | 0.07 | 0.27 | 99 | 0.80 | 0.080 |
| 1964988 | Soil | 9.88 | 100.3 | 2.16 | 42.1 | 225 | 52.9 | 15.3 | 227 | 3.34 | 1.7 | 0.2 | 4.4 | 0.2 | 42.8 | 0.08 | 0.04 | 0.19 | 135 | 0.30 | 0.039 |
| REP 1964988 | QC | 10.12 | 95.25 | 2.06 | 38.6 | 236 | 47.6 | 13.4 | 216 | 3.24 | 1.4 | 0.2 | 3.9 | 0.2 | 38.5 | 0.06 | 0.05 | 0.16 | 132 | 0.30 | 0.042 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 12.66 | 111.2 | 122.1 | 310.7 | 1930 | 43.4 | 7.9 | 598 | 2.32 | 26.2 | 2.5 | 115.6 | 5.8 | 63.8 | 2.35 | 5.41 | 6.30 | 39 | 0.73 | 0.086 |
| STD DS9 | Standard | 12.62 | 109.8 | 133.0 | 314.1 | 1820 | 41.7 | 7.5 | 583 | 2.37 | 25.8 | 2.8 | 114.5 | 6.6 | 62.9 | 2.36 | 5.40 | 6.39 | 39 | 0.71 | 0.084 |
| STD DS9 Expected | | 12.84 | 108 | 126 | 317 | 1830 | 40.3 | 7.6 | 575 | 2.33 | 25.5 | 2.69 | 118 | 6.38 | 69.6 | 2.4 | 4.94 | 6.32 | 40 | 0.7201 | 0.0819 |
| BLK | Blank | <0.01 | 0.08 | 0.01 | <0.1 | 3 | 0.1 | <0.1 | <1 | <0.01 | 0.5 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | 0.10 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |



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Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

SMI13000191.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------------|----------|------|-------|--------|-------|--------|------|--------|--------|-------|------|------|-------|--------|------|------|-------|------|
| Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | |
| Unit | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | |
| MDL | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | |
| 1964862 | Soil | 4.3 | 47.6 | 0.88 | 46.9 | 0.118 | 1 | 1.97 | 0.023 | 0.03 | 1.1 | 3.4 | 0.03 | 0.03 | 31 | 0.3 | 0.10 | 6.3 |
| REP 1964862 | QC | 4.3 | 45.9 | 0.88 | 45.4 | 0.118 | 1 | 1.94 | 0.024 | 0.03 | 1.0 | 3.3 | 0.04 | 0.03 | 32 | 0.3 | 0.04 | 6.2 |
| 1964892 | Soil | 2.4 | 54.7 | 0.83 | 46.8 | 0.151 | <1 | 1.75 | 0.017 | 0.03 | 1.2 | 3.2 | 0.03 | 0.02 | 27 | 0.2 | 0.07 | 6.7 |
| REP 1964892 | QC | 2.4 | 55.5 | 0.84 | 46.5 | 0.154 | <1 | 1.78 | 0.017 | 0.03 | 1.3 | 3.4 | 0.04 | 0.02 | 44 | 0.2 | 0.08 | 6.8 |
| 1964979 | Soil | 3.5 | 96.5 | 1.61 | 99.5 | 0.037 | 2 | 2.64 | 0.014 | 0.08 | 1.3 | 7.1 | 0.05 | 0.05 | 18 | 0.4 | 0.33 | 7.1 |
| REP 1964979 | QC | 3.8 | 95.1 | 1.63 | 104.3 | 0.038 | 2 | 2.73 | 0.015 | 0.08 | 1.0 | 7.0 | 0.05 | 0.05 | 28 | 0.5 | 0.30 | 7.3 |
| 1964988 | Soil | 1.8 | 101.7 | 1.17 | 51.7 | 0.082 | 1 | 2.01 | 0.018 | 0.06 | 1.1 | 4.9 | 0.06 | 0.05 | 42 | 0.3 | 0.26 | 9.6 |
| REP 1964988 | QC | 1.7 | 102.9 | 1.13 | 52.8 | 0.081 | <1 | 1.98 | 0.018 | 0.06 | 0.9 | 4.7 | 0.05 | 0.05 | 56 | 0.3 | 0.17 | 9.1 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 12.3 | 117.6 | 0.61 | 296.2 | 0.100 | 3 | 0.97 | 0.096 | 0.41 | 3.3 | 2.4 | 5.46 | 0.16 | 209 | 5.7 | 5.32 | 4.7 |
| STD DS9 | Standard | 13.0 | 116.6 | 0.62 | 289.1 | 0.110 | 2 | 0.93 | 0.082 | 0.40 | 3.1 | 2.5 | 5.28 | 0.17 | 184 | 5.4 | 4.94 | 4.6 |
| STD DS9 Expected | | 13.3 | 121 | 0.6165 | 295 | 0.1108 | | 0.9577 | 0.0853 | 0.395 | 2.89 | 2.5 | 5.3 | 0.1615 | 200 | 5.2 | 5.02 | 4.59 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 |



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Submitted By: Hilary Clarke and Dave Moore
Receiving Lab: Canada-Smithers
Received: August 16, 2013
Report Date: September 10, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI13000195.1

CLIENT JOB INFORMATION

Project: Fleet
Shipment ID: FL2013-3
P.O. Number
Number of Samples: 30

SAMPLE DISPOSAL

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

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

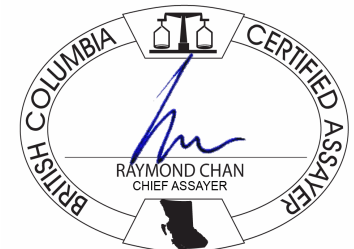
Invoice To: Serengeti Resources
1700 - 750 W. Pender Street
Vancouver BC V6C 2T8
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|---|--------------|---------------|-----|
| R200-250 | 30 | Crush, split and pulverize 250 g rock to 200 mesh | | | SMI |
| 1DX2 | 30 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |
| 7AR | 2 | 1:1:1 Aqua Regia Digestion ICP-ES Finish | 0.4 | Completed | VAN |

ADDITIONAL COMMENTS



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

CERTIFICATE OF ANALYSIS

SMI13000195.1

| Method Analyte | WGHT | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------|------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Unit | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| MDL | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | |
| R1964044 | Rock | 1.04 | 401.9 | 2061 | 2.0 | 38 | 1.1 | 75.4 | 91.1 | 204 | 9.27 | <0.5 | 32.5 | 0.4 | 48 | 0.2 | <0.1 | 0.2 | 46 | 1.00 | 0.066 |
| R1964045 | Rock | 1.00 | 2.1 | 92.7 | 0.3 | 21 | <0.1 | 44.3 | 17.8 | 246 | 2.24 | <0.5 | 1.8 | <0.1 | 47 | <0.1 | <0.1 | 0.1 | 79 | 1.03 | 0.052 |
| R1964046 | Rock | 0.65 | 19.0 | 361.8 | 0.6 | 25 | 1.6 | 15.4 | 13.0 | 190 | 3.18 | <0.5 | 38.1 | <0.1 | 54 | <0.1 | <0.1 | 0.2 | 73 | 0.82 | 0.066 |
| R1964049 | Rock | 1.35 | 3.4 | 95.6 | 0.7 | 24 | <0.1 | 33.2 | 16.0 | 265 | 1.88 | 0.9 | 2.0 | 0.2 | 84 | <0.1 | <0.1 | 0.1 | 66 | 1.37 | 0.054 |
| R1964494 | Rock | 1.53 | 11.0 | 1009 | 1.0 | 44 | 0.7 | 46.5 | 39.6 | 264 | 8.05 | <0.5 | 22.5 | 2.2 | 28 | <0.1 | <0.1 | 0.2 | 40 | 0.22 | 0.042 |
| R1964500 | Rock | 1.69 | 0.3 | 41.5 | 1.1 | 33 | <0.1 | 47.4 | 16.3 | 357 | 2.58 | 0.8 | 1.5 | 0.7 | 52 | <0.1 | <0.1 | <0.1 | 105 | 1.29 | 0.063 |
| R1964668 | Rock | 1.26 | 2.2 | 53.8 | 0.5 | 72 | <0.1 | 12.1 | 13.5 | 634 | 3.75 | 0.9 | 1.1 | 0.2 | 5 | 0.1 | 0.1 | <0.1 | 54 | 0.41 | 0.040 |
| R1964669 | Rock | 1.99 | 8.0 | 977.5 | 0.6 | 22 | 0.4 | 92.4 | 73.9 | 243 | 7.56 | <0.5 | 12.0 | <0.1 | 43 | <0.1 | <0.1 | 0.1 | 241 | 1.10 | 0.010 |
| R1964670 | Rock | 0.96 | <0.1 | 4.8 | 0.5 | 29 | <0.1 | 969.2 | 93.2 | 1258 | 5.11 | 3.4 | <0.5 | <0.1 | 3 | <0.1 | 0.2 | <0.1 | 9 | 0.06 | 0.003 |
| R1964671 | Rock | 1.49 | 0.7 | 73.4 | 0.8 | 19 | <0.1 | 24.7 | 17.8 | 278 | 2.70 | 0.6 | 0.8 | 1.0 | 60 | <0.1 | <0.1 | <0.1 | 51 | 0.91 | 0.094 |
| R1964672 | Rock | 1.22 | 26.4 | >10000 | 52.2 | 6 | 33.6 | 4.7 | 1.2 | 73 | 1.43 | <0.5 | 270.5 | <0.1 | 1 | 0.2 | <0.1 | 286.4 | 6 | 0.03 | 0.003 |
| R1964674 | Rock | 1.21 | 1.6 | 70.1 | 0.7 | 10 | 0.4 | 11.4 | 5.3 | 155 | 1.06 | <0.5 | 1.0 | 0.1 | 44 | <0.1 | <0.1 | 1.6 | 38 | 1.08 | 0.044 |
| R1964685 | Rock | 0.70 | 12.6 | 696.1 | 1.3 | 122 | 0.8 | 47.7 | 25.5 | 675 | 3.92 | <0.5 | 8.1 | 0.6 | 147 | 0.3 | <0.1 | 1.9 | 116 | 0.86 | 0.163 |
| R1964686 | Rock | 1.33 | 8.2 | 1826 | 1.9 | 69 | 1.8 | 17.7 | 16.1 | 226 | 2.30 | <0.5 | 31.9 | 1.5 | 56 | 0.4 | <0.1 | 0.6 | 48 | 0.45 | 0.099 |
| R1964687 | Rock | 0.95 | 0.8 | 191.0 | 1.8 | 32 | 0.2 | 20.5 | 8.0 | 347 | 1.69 | <0.5 | 3.9 | 1.0 | 48 | <0.1 | <0.1 | 1.3 | 35 | 1.33 | 0.080 |
| R1964688 | Rock | 1.05 | 245.3 | 659.5 | 2.9 | 53 | 0.7 | 17.3 | 55.5 | 444 | 5.06 | <0.5 | 9.0 | 1.2 | 451 | <0.1 | <0.1 | 1.2 | 52 | 1.42 | 0.052 |
| R1964689 | Rock | 1.00 | 3.3 | 167.2 | 1.8 | 23 | 0.1 | 14.0 | 10.5 | 382 | 3.28 | <0.5 | 2.0 | 2.4 | 57 | <0.1 | <0.1 | 0.4 | 55 | 1.13 | 0.125 |
| R1964690 | Rock | 0.66 | 2.4 | 59.4 | 0.1 | 25 | <0.1 | 1055 | 116.5 | 882 | 5.73 | <0.5 | <0.5 | <0.1 | 1 | <0.1 | <0.1 | <0.1 | 7 | 0.16 | 0.001 |
| R1964691 | Rock | 1.33 | 145.3 | 1931 | 7.6 | 52 | 0.5 | 37.4 | 39.2 | 224 | 5.53 | <0.5 | 6.0 | 0.8 | 436 | 0.8 | <0.1 | 0.3 | 31 | 1.67 | 0.097 |
| R1964696 | Rock | 1.09 | 230.0 | 100.2 | 0.6 | 26 | 0.1 | 41.5 | 28.8 | 188 | 3.41 | <0.5 | 2.5 | 0.1 | 117 | <0.1 | <0.1 | 0.3 | 70 | 1.56 | 0.045 |
| R1964697 | Rock | 1.25 | 9.4 | 108.3 | 1.3 | 34 | 0.5 | 6.2 | 1.5 | 138 | 3.43 | <0.5 | 10.7 | 0.4 | 15 | <0.1 | <0.1 | 0.2 | 69 | 0.15 | 0.050 |
| R1964820 | Rock | 1.96 | 3.5 | >10000 | 0.6 | 75 | 9.6 | 1749 | 116.9 | 714 | 5.56 | 1.3 | 185.9 | <0.1 | 6 | 2.4 | 0.1 | 0.2 | 8 | 0.63 | 0.142 |
| R1964821 | Rock | 1.17 | 57.7 | 267.7 | 2.2 | 79 | 0.3 | 28.3 | 24.7 | 534 | 2.90 | <0.5 | 3.8 | 0.8 | 328 | 0.2 | <0.1 | 0.1 | 72 | 1.77 | 0.165 |
| R1964822 | Rock | 1.02 | 1170 | 124.8 | 0.3 | 33 | <0.1 | 1863 | 98.9 | 987 | 4.61 | 0.7 | <0.5 | <0.1 | 2 | <0.1 | <0.1 | <0.1 | 8 | 0.05 | 0.002 |
| R1964823 | Rock | 1.92 | 1.1 | 681.0 | 1.2 | 74 | 0.3 | 37.4 | 33.4 | 370 | 4.31 | <0.5 | 4.2 | 0.2 | 246 | 0.2 | <0.1 | <0.1 | 239 | 1.81 | 0.033 |
| R1964824 | Rock | 1.56 | 2.5 | 1742 | 2.4 | 41 | 1.3 | 24.3 | 5.6 | 547 | 1.31 | <0.5 | 30.3 | 0.5 | 78 | 0.1 | <0.1 | <0.1 | 27 | 2.36 | 0.123 |
| R1964825 | Rock | 1.09 | 12.3 | 1284 | 0.3 | 17 | 0.2 | 945.5 | 72.2 | 826 | 4.26 | 0.5 | 5.1 | <0.1 | 68 | <0.1 | <0.1 | <0.1 | 31 | 0.74 | 0.002 |
| R1964830 | Rock | 1.23 | 21.8 | 79.9 | 0.4 | 13 | <0.1 | 53.8 | 18.5 | 164 | 2.49 | <0.5 | 1.3 | 0.4 | 50 | <0.1 | <0.1 | <0.1 | 41 | 0.69 | 0.048 |
| R1964834 | Rock | 0.93 | 462.7 | 2636 | 1.1 | 72 | 0.7 | 86.9 | 35.1 | 773 | 3.99 | <0.5 | 105.0 | 0.3 | 83 | 0.4 | <0.1 | <0.1 | 113 | 3.56 | 0.045 |
| R1964835 | Rock | 1.17 | 0.3 | 948.6 | 1.0 | 18 | 0.6 | 2.3 | 4.9 | 475 | 2.32 | <0.5 | 42.5 | 1.4 | 63 | 0.1 | <0.1 | 0.6 | 14 | 2.17 | 0.090 |

CERTIFICATE OF ANALYSIS

SMI13000195.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 7AR | |
|-------------------|------|-----|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| | | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | Cu |
| | | | ppm | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | | |
| | | | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.01 | 0.01 | 0.05 | 1 | 0.5 | 0.2 | 0.001 | | |
| R1964044 | Rock | | 1 | 3 | 0.83 | 15 | 0.100 | <1 | 1.53 | 0.053 | 0.05 | 0.7 | 0.02 | 1.7 | <0.1 | 6.00 | 5 | 7.8 | 0.2 | |
| R1964045 | Rock | | <1 | 108 | 1.03 | 64 | 0.147 | <1 | 1.64 | 0.182 | 0.38 | <0.1 | <0.01 | 4.5 | <0.1 | 0.29 | 4 | <0.5 | <0.2 | |
| R1964046 | Rock | | <1 | 26 | 0.65 | 34 | 0.189 | <1 | 0.75 | 0.060 | 0.12 | 0.3 | <0.01 | 5.0 | <0.1 | 0.44 | 3 | 2.7 | <0.2 | |
| R1964049 | Rock | | <1 | 58 | 1.01 | 38 | 0.161 | 3 | 1.78 | 0.199 | 0.17 | <0.1 | <0.01 | 4.4 | <0.1 | 0.21 | 4 | <0.5 | <0.2 | |
| R1964494 | Rock | | 3 | 28 | 0.83 | 22 | 0.075 | <1 | 1.48 | 0.036 | 0.23 | 0.1 | 0.01 | 3.1 | <0.1 | 4.58 | 5 | 10.6 | 0.6 | |
| R1964500 | Rock | | 3 | 71 | 1.41 | 104 | 0.193 | 2 | 1.69 | 0.114 | 0.44 | 0.1 | <0.01 | 6.0 | <0.1 | 0.16 | 5 | <0.5 | <0.2 | |
| R1964668 | Rock | | <1 | 24 | 1.21 | 214 | 0.215 | <1 | 1.81 | 0.052 | 0.66 | 0.1 | <0.01 | 3.7 | 0.2 | 0.89 | 6 | <0.5 | <0.2 | |
| R1964669 | Rock | | <1 | 154 | 1.39 | 27 | 0.273 | <1 | 1.33 | 0.099 | 0.10 | <0.1 | <0.01 | 8.3 | <0.1 | 2.48 | 4 | 3.3 | <0.2 | |
| R1964670 | Rock | | <1 | 242 | 16.64 | 26 | 0.006 | 13 | 0.09 | <0.001 | <0.01 | <0.1 | <0.01 | 5.8 | <0.1 | <0.05 | <1 | <0.5 | <0.2 | |
| R1964671 | Rock | | 4 | 14 | 0.64 | 42 | 0.109 | <1 | 0.85 | 0.111 | 0.14 | <0.1 | <0.01 | 5.0 | <0.1 | 1.04 | 3 | 0.8 | <0.2 | |
| R1964672 | Rock | | <1 | 5 | 0.09 | 4 | 0.004 | <1 | 0.05 | 0.005 | 0.03 | <0.1 | 0.04 | 0.3 | <0.1 | 0.85 | <1 | 25.7 | 3.6 | 1.446 |
| R1964674 | Rock | | <1 | 25 | 0.40 | 28 | 0.155 | <1 | 0.96 | 0.116 | 0.08 | <0.1 | <0.01 | 3.2 | <0.1 | 0.05 | 2 | <0.5 | <0.2 | |
| R1964685 | Rock | | 6 | 13 | 2.14 | 156 | 0.288 | <1 | 2.82 | 0.143 | 2.13 | 0.1 | 0.02 | 6.0 | 0.8 | 1.21 | 10 | 0.8 | <0.2 | |
| R1964686 | Rock | | 8 | 3 | 0.68 | 110 | 0.151 | <1 | 1.10 | 0.098 | 0.73 | 0.6 | 0.03 | 2.0 | 0.3 | 0.57 | 5 | 0.7 | <0.2 | |
| R1964687 | Rock | | 8 | 4 | 0.65 | 88 | 0.102 | 1 | 1.04 | 0.087 | 0.51 | 0.1 | <0.01 | 1.4 | 0.2 | 0.60 | 5 | 0.6 | 0.5 | |
| R1964688 | Rock | | 7 | 4 | 0.87 | 43 | 0.111 | 1 | 2.72 | 0.583 | 1.01 | 1.4 | 0.01 | 2.6 | 0.4 | 3.68 | 8 | 2.8 | 0.3 | |
| R1964689 | Rock | | 12 | 9 | 1.09 | 135 | 0.080 | 1 | 1.39 | 0.076 | 0.37 | 0.1 | <0.01 | 4.7 | 0.1 | 1.04 | 5 | 0.8 | <0.2 | |
| R1964690 | Rock | | <1 | 91 | 16.96 | 6 | 0.003 | 2 | 0.06 | 0.001 | <0.01 | <0.1 | 0.01 | 5.8 | <0.1 | 0.08 | <1 | <0.5 | <0.2 | |
| R1964691 | Rock | | 6 | 7 | 0.74 | 14 | 0.085 | <1 | 0.69 | 0.067 | 0.06 | 0.2 | <0.01 | 0.8 | <0.1 | 4.77 | 3 | 2.6 | 0.3 | |
| R1964696 | Rock | | <1 | 37 | 1.11 | 39 | 0.116 | <1 | 2.74 | 0.286 | 0.21 | 0.4 | <0.01 | 3.2 | <0.1 | 1.68 | 5 | 0.7 | <0.2 | |
| R1964697 | Rock | | 3 | 33 | 0.73 | 9 | 0.140 | <1 | 0.72 | 0.061 | 0.04 | 0.5 | <0.01 | 2.1 | <0.1 | 0.49 | 7 | 2.0 | <0.2 | |
| R1964820 | Rock | | <1 | 135 | 14.31 | 2 | 0.007 | 7 | 0.15 | 0.002 | <0.01 | 0.1 | 0.03 | 3.9 | <0.1 | 1.36 | <1 | 1.6 | 1.0 | 1.256 |
| R1964821 | Rock | | 8 | 11 | 1.66 | 139 | 0.193 | 2 | 2.97 | 0.287 | 1.15 | 0.2 | 0.02 | 3.9 | 0.5 | 1.49 | 9 | <0.5 | <0.2 | |
| R1964822 | Rock | | <1 | 142 | 21.91 | 1 | 0.004 | 2 | 0.16 | 0.002 | <0.01 | 0.1 | <0.01 | 3.6 | <0.1 | 0.15 | <1 | <0.5 | <0.2 | |
| R1964823 | Rock | | <1 | 3 | 2.28 | 59 | 0.249 | <1 | 3.45 | 0.149 | 1.42 | <0.1 | 0.01 | 11.4 | 0.4 | 2.31 | 5 | 1.3 | <0.2 | |
| R1964824 | Rock | | 5 | 3 | 0.76 | 21 | 0.082 | <1 | 1.40 | 0.069 | 0.14 | 0.2 | <0.01 | 1.2 | <0.1 | 0.16 | 4 | 0.6 | <0.2 | |
| R1964825 | Rock | | <1 | 176 | 14.41 | 20 | 0.003 | 3 | 0.10 | 0.012 | 0.09 | <0.1 | <0.01 | 6.4 | <0.1 | 0.24 | <1 | <0.5 | <0.2 | |
| R1964830 | Rock | | <1 | 89 | 0.76 | 19 | 0.110 | <1 | 0.90 | 0.090 | 0.09 | 1.1 | <0.01 | 2.6 | <0.1 | 0.71 | 2 | 0.6 | <0.2 | |
| R1964834 | Rock | | 2 | 153 | 2.67 | 131 | 0.053 | 2 | 2.29 | 0.020 | 0.15 | 0.1 | 0.02 | 19.2 | <0.1 | 0.88 | 6 | 1.1 | <0.2 | |
| R1964835 | Rock | | 12 | 2 | 0.18 | 126 | 0.002 | <1 | 0.58 | 0.042 | 0.23 | 0.4 | <0.01 | 1.5 | <0.1 | 1.21 | 2 | <0.5 | 1.6 | |



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 Vancouver BC V6C 2T8 CANADA

Project: Fleet
 Report Date: September 10, 2013

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

SMI13000195.1

| Method | WGHT | 1DX15 | 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 | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | kg | 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 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| R1964671 | Rock | 1.49 | 0.7 | 73.4 | 0.8 | 19 | <0.1 | 24.7 | 17.8 | 278 | 2.70 | 0.6 | 0.8 | 1.0 | 60 | <0.1 | <0.1 | <0.1 | 51 | 0.91 | 0.094 |
| REP R1964671 | QC | | 0.7 | 80.8 | 0.9 | 20 | <0.1 | 25.4 | 18.7 | 290 | 2.73 | <0.5 | 0.5 | 1.0 | 64 | <0.1 | <0.1 | <0.1 | 53 | 0.96 | 0.102 |
| R1964820 | Rock | 1.96 | 3.5 | >10000 | 0.6 | 75 | 9.6 | 1749 | 116.9 | 714 | 5.56 | 1.3 | 185.9 | <0.1 | 6 | 2.4 | 0.1 | 0.2 | 8 | 0.63 | 0.142 |
| REP R1964820 | QC | | 3.4 | >10000 | 0.5 | 76 | 9.6 | 1780 | 118.2 | 724 | 5.59 | 1.4 | 115.8 | <0.1 | 5 | 2.3 | 0.1 | 0.2 | 9 | 0.64 | 0.149 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | | 12.3 | 104.1 | 119.3 | 314 | 1.7 | 38.7 | 7.7 | 575 | 2.34 | 25.2 | 99.2 | 6.1 | 69 | 2.2 | 5.9 | 6.3 | 41 | 0.72 | 0.083 |
| STD GC-7 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS9 Expected | | | 12.84 | 108 | 126 | 317 | 1.83 | 40.3 | 7.6 | 575 | 2.33 | 25.5 | 118 | 6.38 | 69.6 | 2.4 | 4.94 | 6.32 | 40 | 0.7201 | 0.0819 |
| STD GC-7 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B Expected | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | 0.4 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1-SMI | Prep Blank | | <0.1 | 1.7 | 2.2 | 43 | <0.1 | 3.5 | 3.9 | 544 | 1.90 | <0.5 | <0.5 | 4.7 | 53 | <0.1 | <0.1 | 0.3 | 36 | 0.51 | 0.070 |
| G1-SMI | Prep Blank | | <0.1 | 1.9 | 2.3 | 46 | <0.1 | 3.6 | 3.9 | 554 | 1.92 | <0.5 | 0.6 | 5.0 | 54 | <0.1 | <0.1 | 0.2 | 35 | 0.55 | 0.079 |



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Client: **Serengeti Resources**
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Project: Fleet
 Report Date: September 10, 2013

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

SMI13000195.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 7AR | |
|------------------------|------------|-------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|
| Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | Cu | |
| 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 | 0.001 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | |
| R1964671 | Rock | 4 | 14 | 0.64 | 42 | 0.109 | <1 | 0.85 | 0.111 | 0.14 | <0.1 | <0.01 | 5.0 | <0.1 | 1.04 | 3 | 0.8 | <0.2 | |
| REP R1964671 | QC | 5 | 15 | 0.68 | 42 | 0.112 | <1 | 0.88 | 0.117 | 0.14 | <0.1 | <0.01 | 5.2 | <0.1 | 1.03 | 3 | 1.0 | <0.2 | |
| R1964820 | Rock | <1 | 135 | 14.31 | 2 | 0.007 | 7 | 0.15 | 0.002 | <0.01 | 0.1 | 0.03 | 3.9 | <0.1 | 1.36 | <1 | 1.6 | 1.0 | 1.256 |
| REP R1964820 | QC | <1 | 130 | 14.52 | 2 | 0.007 | 6 | 0.15 | 0.002 | <0.01 | 0.2 | 0.05 | 3.9 | <0.1 | 1.37 | <1 | 0.9 | 0.9 | 1.270 |
| Reference Materials | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 13 | 116 | 0.61 | 298 | 0.113 | 2 | 0.93 | 0.082 | 0.39 | 3.0 | 0.19 | 2.2 | 4.8 | 0.17 | 4 | 5.1 | 5.2 | |
| STD GC-7 | Standard | | | | | | | | | | | | | | | | | | 0.556 |
| STD OREAS133B | Standard | | | | | | | | | | | | | | | | | | 0.031 |
| STD DS9 Expected | | 13.3 | 121 | 0.6165 | 295 | 0.1108 | | 0.9577 | 0.0853 | 0.395 | 2.89 | 0.2 | 2.5 | 5.3 | 0.1615 | 4.59 | 5.2 | 5.02 | |
| STD GC-7 Expected | | | | | | | | | | | | | | | | | | | 0.555 |
| STD OREAS133B Expected | | | | | | | | | | | | | | | | | | | 0.032 |
| 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 | | | | | | | | | | | | | | | | | | <0.001 |
| Prep Wash | | | | | | | | | | | | | | | | | | | |
| G1-SMI | Prep Blank | 9 | 7 | 0.59 | 237 | 0.112 | <1 | 0.88 | 0.069 | 0.48 | <0.1 | <0.01 | 2.2 | 0.3 | <0.05 | 5 | <0.5 | <0.2 | |
| G1-SMI | Prep Blank | 9 | 8 | 0.61 | 239 | 0.114 | 2 | 0.90 | 0.072 | 0.49 | <0.1 | <0.01 | 2.1 | 0.3 | <0.05 | 5 | <0.5 | <0.2 | |