

| | | |
|---|-------------------|---------------------|
| TYPE OF REPORT (type of survey(s)) | TOTAL COST | \$100,029.64 |
| Geochemical sampling | | |

AUTHOR(S) _____ SIGNATURE(S) _____
R.Tim Henneberry, P.Geo. "signed and sealed"

NOTICE OF WORK NUMBER(S) / DATE(S) _____ YEAR OF WORK 2013

STATEMENT OF WORK – CASH PAYMENT EVENT NUMBERS / DATE(S) 5456528

PROPERTY NAME GP

CLAIM NAME(S) (on which work was done) _____
GP 2 903369, GP 3 903389

COMMODITIES SOUGHT Epithermal precious metals

MINERAL INVENTORY MINFILE NUMBERS, IF KNOWN _____

MINING DIVISION Nicola NTS 092I/7 TRIM 092I034, 092I044

LATITUDE _____ LONGITUDE _____ (at centre of work)

NORTHING 5582000 EASTING 617000 UTM ZONE 10 MAP DATUM NAD 83

OWNER 1 Qualitas Holdings Corp. OWNER 2 _____

MAILING ADDRESS _____
5215 – 6th Avenue
Delta, B.C. V4M1L6

OPERATORS (who paid for work) _____
Carolina Capital Corp.

MAILING ADDRESS _____
2075 West 37th Avenue
Vancouver, B.C. V6M 1N7

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size, attitude)
The BM property is underlain by the Cretaceous Spence Bridge Group volcanics. 2013 work consisted of rock sampling, and grid soil sampling. The Au , As soil anomaly from 2011 was further defined and sharpened over the 2.7 kilometres sampled. Further work is recommended.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS
28521, 28824, 29643, 33828

| TYPE OF WORK IN THIS REPORT | EXTENT OF WORK (In Metric Units) | On Which Claims | Project Costs Apportioned |
|--|----------------------------------|-----------------|---------------------------|
| GEOLOGICAL (scale, area) | | | |
| Ground, mapping | | | |
| Photo Interpretation | | | |
| GEOPHYSICAL (line kilometres) | | | |
| Ground | | | |
| Magnetic | | | |
| Electromagnetic | | | |
| Induced Polarization | | | |
| Radiometric | | | |
| Siesmic | | | |
| Other | | | |
| Airborne | | | |
| GEOCHEMICAL | | | |
| (number of samples analyzed for) | | | |
| Soil | 1748 | GP 2,3 | |
| Silt | | | |
| Rock | 3 | GP 2,3 | |
| Other | | | |
| DRILLING | | | |
| (total metres, number of holes, size) | | | |
| Core | | | |
| Non-core | | | |
| RELATED TECHNICAL | | | |
| Sampling / assaying | | | |
| Petrographic | | | |
| Mineralogical | | | |
| Metallurgic | | | |
| PROSPECTING (scale, area) | | | |
| PREPARATION / PHYSICAL | | | |
| Line/grid (kilometres) | | | |
| Topographic / Photogrammatic (scale, area) | | | |
| Legal Surveys (scale, area) | | | |
| Road, local access (kilometres) | | | |
| Trench (metres) | | | |
| Underground dev. (metres) | | | |
| Other | | | |
| | | TOTAL COST | \$100,029.64 |

MAMMOTH GEOLOGICAL LTD.

2446 Bidston Road
Mill Bay, B.C. Canada V0R 2P4

Phone : (250) 743-8228 Fax : (250) 743-4430
email : mammothgeo@shaw.ca

**BC Geological Survey
Assessment Report
34323**

2013 GEOCHEMICAL REPORT

GP PROJECT

Kamloops Mining Division
TRIM Sheets 092I034, 092I044
UTM (NAD 83) ZONE 10 617000 5582000

FOR

CAROLINA CAPITAL CORP.
2075 West 37th Avenue
Vancouver, British Columbia V6M 1N7

By; R.Tim Henneberry, P.Geo.
June 24, 2013

Carolina Capital Corp. is earning a 100% interest, in the GP Property, an epithermal precious metal project. The road accessible GP property lies 5 kilometres southwest of Spences Bridge, British Columbia and consists of 4 claims totaling 1978 hectares. Under the terms of the agreement, Carolina must pay \$25,000 (paid), issue 700,000 shares (200,000 issued) and complete a \$100,000 exploration program by March 25, 2104.

The GP property lies within the Lower Cretaceous Spences Bridge Group, an andesitic to rhyolitic volcanic arc belt of rocks, lying in south central British Columbia. This belt stretches from the north of Princeton to the west of Cache Creek with additional outliers continuing further north to Gang Ranch. The Spences Bridge Gold Belt is emerging as a new epithermal precious metal exploration target.

The GP property is largely underlain by andesitic lava flows of the Spius Formation. Local interbeds of Pimainus Formation volcanoclastics were noted lower down the slopes on the western part of the property. Abundant epithermal quartz detritus was noted throughout the western half of the property, including agates, discontinuous veins and veinlets, clots, blowouts and felsenmeer.

A 2013 exploration program of 50 metre by 25 metre soil sampling followed up on the earlier 2011 property wide 200 metre by 50 metre soil program, resulting in the collection of 1748 soil samples.

The 2013 GP property exploration program continued on the success of the 2011, further sharpening and defining the 2.7 kilometre, NW trending Au-in-soil and As-in-soil anomaly. The anomaly remains open at both ends. Several areas of chalcedonic quartz rubble, felsenmeer and veins were noted along this trend during the 2011 program.

There is little doubt that further exploration is required for the GP property; the question becomes the next step in the exploration program. One option would be to further tighten the soil grid to 25 metre by 25 metre spacings. The purpose would be to further define the anomaly in preparation for drilling. A second option would be to complete a deep Induced Polarization (IP) survey to test for resistivity lows, which would be indicative of quartz veining at depth. Again this would be in advance of drilling. In all likelihood, upon completion of closer spaced soil sampling, a deep IP survey would still be prudent before commencing drilling to depth.

Therefore, a deep IP survey is recommended over the heart of the 2013 grid to test for quartz veining at depth. This would entail somewhere in the order of 18 lines spaced at 150 metre intervals. Line lengths would be in the order of 1600 metres to allow 1000 metres of actual surveying. A total of 28.8 line kilometres would need to be cut and then geophysically surveyed. The cost is estimated at \$160,000.

The cost of the 2013 exploration program was \$100,029.64

TABLE OF CONTENTS

| | |
|--|----|
| INTRODUCTION | 4 |
| RELIANCE ON OTHER EXPERTS | 4 |
| PROPERTY DESCRIPTION AND LOCATION | 4 |
| ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY | 6 |
| HISTORY | 7 |
| GEOLOGICAL SETTING | 8 |
| Spences Bridge Group | 9 |
| GP Property Geology | 12 |
| Mineralization | 13 |
| DEPOSIT TYPES | 13 |
| EXPLORATION | 15 |
| DRILLING | 19 |
| SAMPLE PREPARATION, ANALYSES AND SECURITY | 19 |
| DATA VERIFICATION | 21 |
| MINERAL PROCESSING AND METALLURGICAL TESTING | 21 |
| MINERAL RESOURCES AND MINERAL RESERVE ESTIMATES | 21 |
| ADJACENT PROPERTIES | 21 |
| OTHER RELEVANT DATA AND INFORMATION | 21 |
| INTERPRETATION AND CONCLUSIONS | 21 |
| RECOMMENDATIONS | 23 |
| REFERENCES | 24 |
| CERTIFICATE OF QUALIFIED PERSON | 25 |

LIST OF FIGURES

| | |
|--|------|
| Figure 1. Location Map | 5 |
| Figure 2. Claim Map | 6 |
| Figure 3. Regional Geology | 8 |
| Figure 4. Spences Bridge Group Location | 10 |
| Figure 5. GP Property Geology | 11 |
| Figure 6. Au Soil Anomaly | 12 |
| Figure 7. Rock Sampling | 15 |
| Figure 8a. Au Soil Geochemistry Contoured | 16 |
| Figure 8b. Au Soil Geochemistry Bubble Plot | 17 |
| Figure 9. As Soil Geochemistry | 18 |
| Figure 10. Full Size Soil and Rock Locations | rear |

LIST OF TABLES

| | |
|---|----|
| Table 1. List of Tenures | 4 |
| Table 2. 2011 Rock Samples | 17 |
| Table 3. 2013 Geochemistry Statistics for Soil Sampling | 18 |
| Table 4. Summary of Standard Performance | 20 |
| Table 5. 2013 GP Budget | 23 |

LIST OF TABLES

| | |
|---|----|
| Appendix 1. Statement of Costs | 26 |
| Appendix 2. 2013 Rock Sample Tables | 27 |
| Appendix 3. 2013 Soil Sample Table | 28 |

-4-
INTRODUCTION

The purpose of this report is to compile the data for the 2013 exploration program undertaken by Carolina Capital Corp. on the GP property. This report will also meet the assessment requirements for the claims of the GP property.

This report was commissioned by Mr. Steve Hanson, the CEO of Carolina Capital Corp.

Carolina completed a grid soil sampling program and limited rock sampling, taking a total of 1748 soil samples and 3 rock samples.

The author visited the GP property on May 15, 2013 for one day. The author's geological consulting company actually undertook the 2013 exploration program with fieldwork completed between May 1 and June 9, 2013.

RELIANCE ON OTHER EXPERTS

The author is not relying on a report or opinion of any experts. The ownership of the claims comprising the property and the ownership of the surrounding claims has been taken from the Mineral Titles Online database maintained by the British Columbia Ministry of Energy and Mines. The data on this site is assumed to be correct.

The section on the History of the property area has been taken from the British Columbia Ministry of Energy and Mines Assessment Files. The geological assessment reports have been written by competent geologists and engineers to the industry standards of the day. The rock, soil and silt analyses were completed by reputable Canadian assay labs, in accord with the industry standards of the day.

PROPERTY DESCRIPTION AND LOCATION

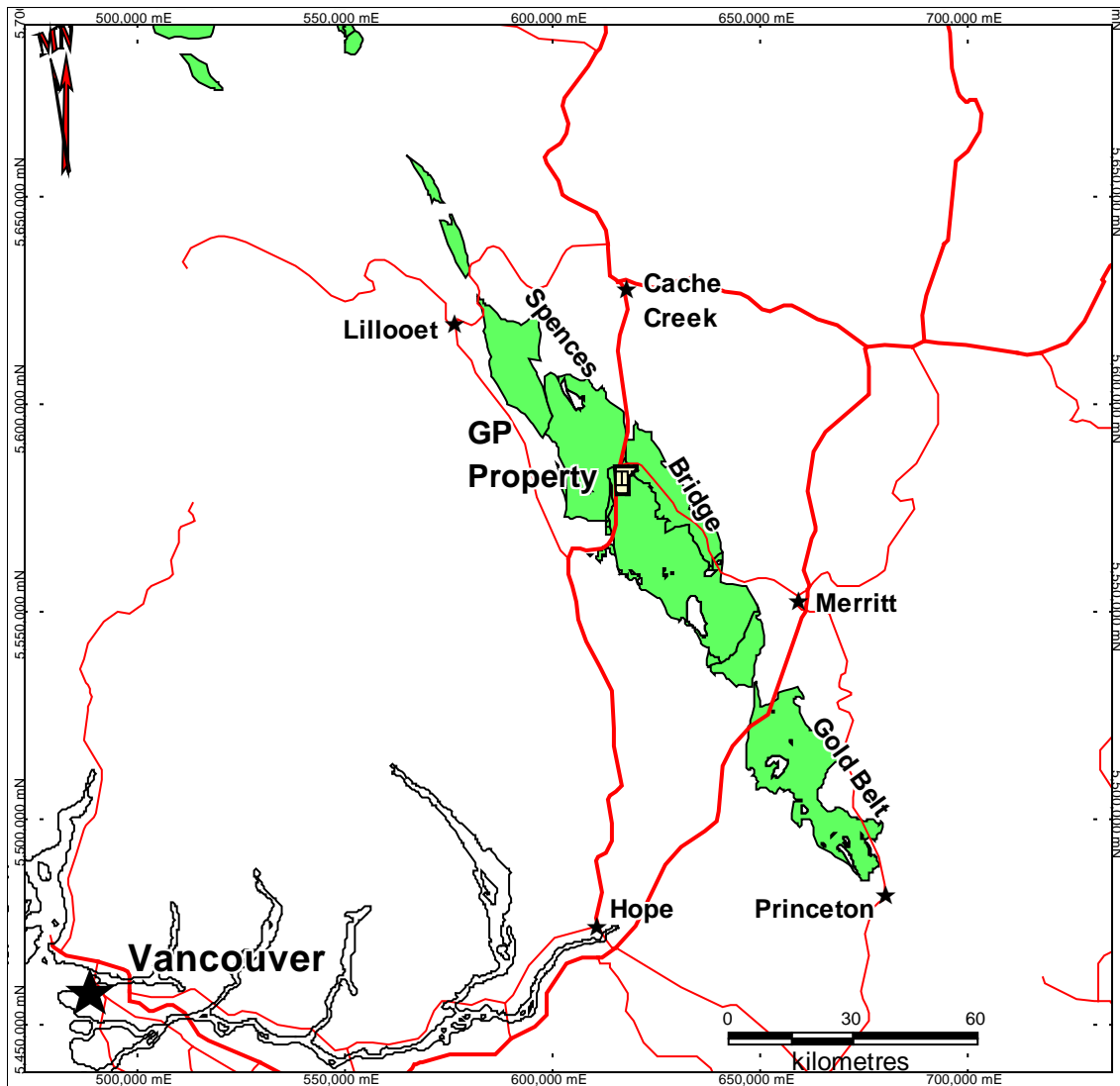
The GP project lies on TRIM claim sheets 092I034 and 092I044 in the Kamloops Mining Division. The property consists of four claims totaling 1,728 hectares, obtained by map staking on the British Columbia Ministry of Energy and Mines Mineral Titles Online system. The geographic center of the property is approximately UTM ZONE 10 617000E 5582000N (NAD 83).

Table 1. List of Tenures

| Tenure Number | Claim Name | Owner | Map Number | Issue Date | Good To Date | Area (ha) |
|---------------|------------|---------------|------------|-------------|--------------|-----------|
| 903349 | GP 1 | 247642 (100%) | 092I | 2011/sep/28 | 2019/mar/31* | 494.56 |
| 903369 | GP 2 | 247642 (100%) | 092I | 2011/sep/28 | 2019/mar/31* | 494.56 |
| 903389 | GP 3 | 247642 (100%) | 092I | 2011/sep/28 | 2019/mar/31* | 494.35 |
| 921969 | GP 5 | 247642 (100%) | 092I | 2011/oct/23 | 2019/mar/31* | 494.83 |
| | 4 claims | | | | | 1978.28 |

*pending approval of 2013 assessment credits

The claims were acquired by map staking by Qualitas Holdings Corp. Qualitas vended a 50 percent interest in the claims to Novus Gold Corp. on October 12, 2011. In order to acquire the 50 percent interest Novus was required to complete \$112,500 in exploration expenditures, which Novus completed by November 2011. Novus subsequently assigned its 50% interest to Michael Magrum, one of its Director's.



Datum NAD 83 Zone 10

Figure 1. Location Map

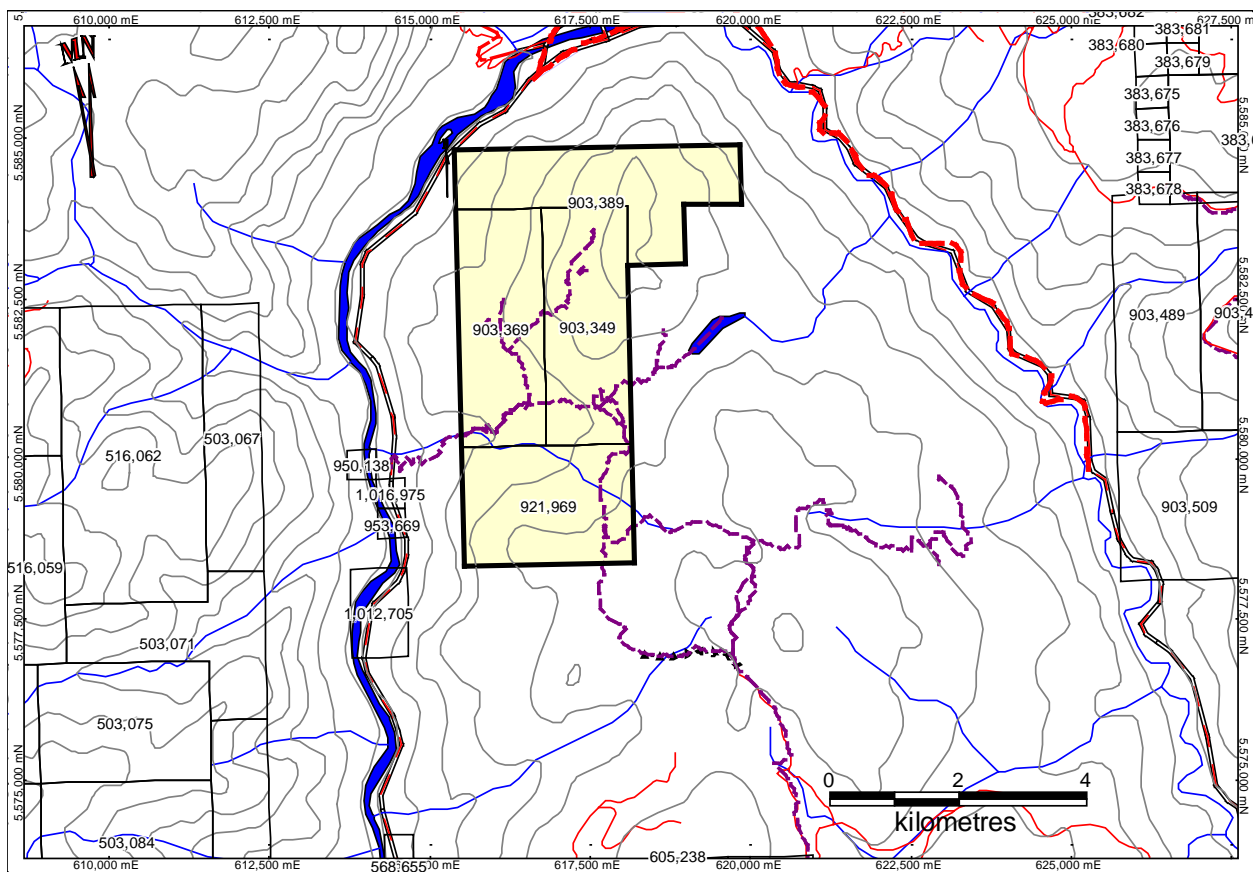
Qualitas and Magrum optioned the GP claims to Carolina Capital Corp. Upon payment of \$25,000 (paid), issuance of 200,000 shares on March 25, 2013 (issued) and 500,000 shares on March 25, 2014 and completion of a \$100,000 exploration program (this program) Carolina will earn a 100% interest in the GP claims. There is no Net Smelter Return Royalty.

The author is not aware of any environmental liabilities associated with the GP property. The recommended work program will be an Induced Polarization survey which does not require a permit. In the event the Induced Polarization program is successful, a diamond drilling program will be the next step. This program will require a permit that according to the British Columbia Ministry of Energy, Mines and Petroleum Resources should take 6 months or less.

The author is not aware of any other significant factors or risks that may affect access, title or the right or ability to perform work on the GP property.

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The GP property lies 5 kilometres southwest of Spences Bridge. Road access is via the Trans Canada Highway south from Spences Bridge.



Datum NAD 83 Zone 10

Figure 2. Claim Map

The topography is rugged and steep, with elevations on the property ranging from 220 metres ASL at the Thompson River to over 1280 metres ASL on the upper slopes. The claims are generally covered with open stands of pine, with lesser spruce and fir. The underbrush is thin except within creek drainages. Gravel roads provide access to the claim block.

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

The claims appear to be entirely underlain by surveyed parcels, suggesting private ownership of surface rights. At this stage, Carolina has not commenced a search of the British Columbia Land Titles Office to determine surface ownership of these individual surface parcels. In the event surface exploration is successful, power is available proximal to the western property boundary along the Trans Canada Highway. Water is available from the Thompson River proximal to the western boundary of the property. Mining personnel would be available in Kamloops or Merritt, one to two hours away. At this stage of the exploration program, Carolina has not commenced surveys to determine potential tailings storage areas, potential waste disposal areas, heap leach pad areas or potential processing plant sites.

HISTORY

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

Preliminary stream sediment sampling and rock sampling was completed on the Goldpan Shamrock Property in late 2005 early 2006 by 665777 B.C. Ltd. Two drainages on the east side of the Thompson River were found to be anomalous in gold, returning values of 25 ppb and 30 ppb (Henneberry, 2006). 665777 B.C. Ltd subsequently optioned the Goldpan Shamrock property to Strongbow Exploration Inc. who in turn optioned them to Tanqueray Resources Ltd.

Tanqueray completed a program of property wide silt sampling, road soil sampling, rock sampling and follow-up grid soil sampling in the summer of 2006. A soil grid over the western side of the property located convergent linear gold-in-soil anomalies lower down the ridge, indicating possible precious metal bearing structures. Abundant fine grained quartz detritus was located throughout the property, suggesting the present erosional level of the claim block may be within the silica cap of a buried epithermal system. (Henneberry, 2007).

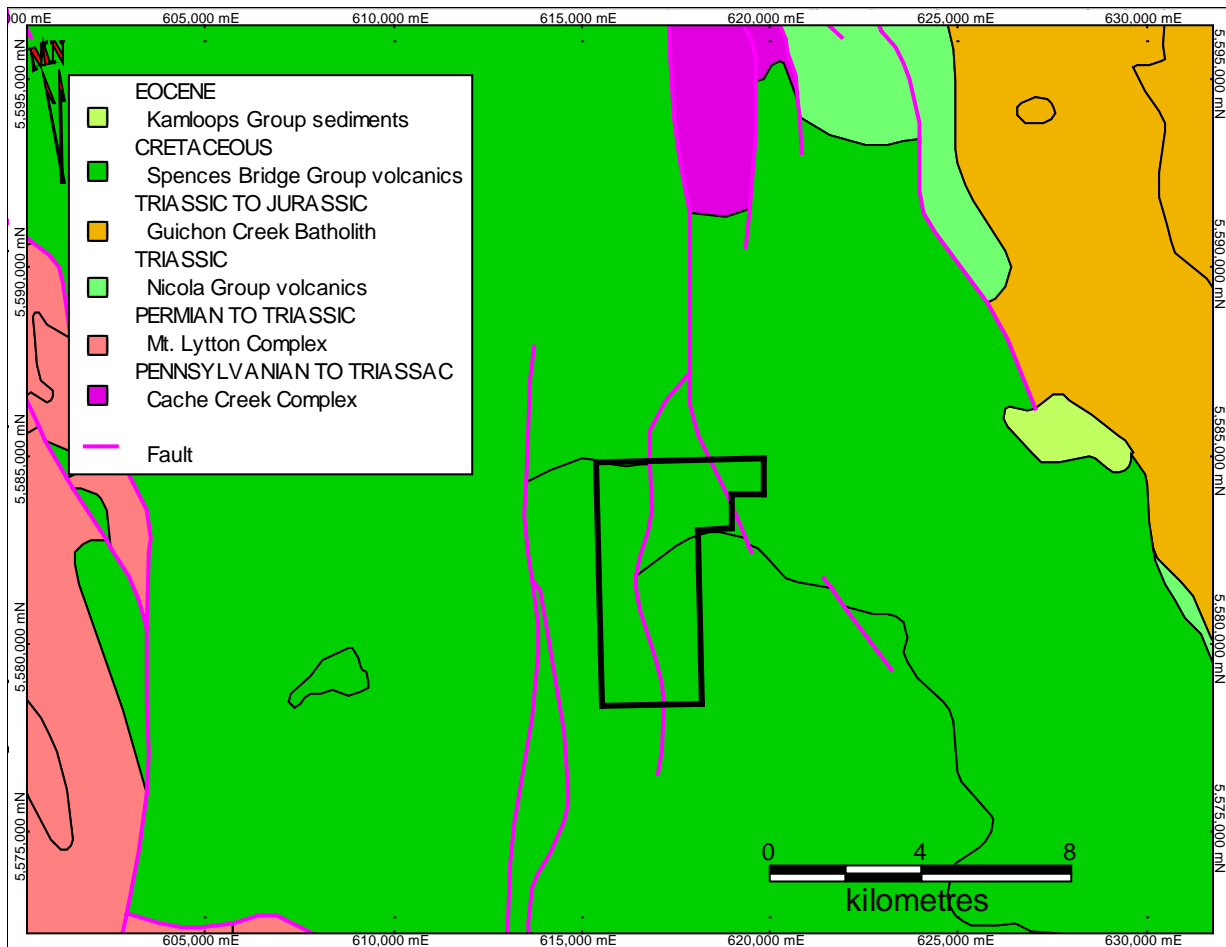
Strongbow Exploration Inc. completed a small follow up program in 2007, though the program was outside of the present GP property boundary (Jackson and Gale, 2008).

The property lay dormant from the 2007 until Qualitas Holdings Corp. acquired the property in the fall of 2011. In conjunction with partner Novus Gold Corp. they completed a program of property wide soil sampling and limited rock sampling, meeting with some success. A NW trending Au-in-soil and As-in-soil linear anomaly in excess of three kilometres in length was located during the 2011 program. In addition, several areas of chalcedonic quartz rubble, felsenmeer and veins were noted along this trend. (Henneberry, 2012).

GEOLOGICAL SETTING

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

The Spences Bridge Gold Belt lies within the Intermontane Tectonic Belt of Central British Columbia, proximal to its western boundary with the Coast Plutonic Belt. The Intermontane Belt is a region of relatively low topographic and structural relief, while the Coast Plutonic Belt is a region of high topographic and structural relief. The regional map (Figure 3) also shows small elements of Insular Belt to the extreme southwest and the Omineca Belt to the extreme northeast. The elements of these latter two belts have no relevance to the Spences Bridge Gold Belt and warrant no further discussion.



Datum NAD 83 Zone 10

Figure 3. Regional Geology

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

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

The Cadwallader Terrane lies to the west of the northern outliers of the Spences Bridge Group. It comprises a series of Cretaceous clastic sediments and the Powell River Group volcanoclastics. The Bridge River Terrane consists of Mississippian to middle Jurassic marine sedimentary and volcanic rocks. The Shuksan Terrane consists primarily of Cretaceous intrusives and high grade metamorphic rocks.

The Methow Terrane forms much of the boundary between the two belts. It comprises sequences of Jurassic through to Cretaceous, predominantly fine grained, clastic sediments.

The south end of the Stikinia Terrane includes Cretaceous clastic sediments and a series of Jurassic through to Cretaceous intrusives.

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

The Quesnellia Terrane consists primarily of the upper Triassic Nicola Group clastic sediments, and volcanic rocks with associated late Triassic - early Jurassic intrusions. The most important is the Guichon Creek Batholith, which hosts the Highland Valley copper deposits.

The Methow, Stikinia, Cache Creek and Quesnellia Terranes through much of the map area are covered by Cretaceous and/or Tertiary sedimentary and volcanic overlap assemblages. These include Miocene - Pliocene plateau basalts and coarse clastic sediments of the Chilcotin Group, Eocene to Oligocene volcanics and Eocene basalt and andesite, local rhyolite, breccia, tuff and sandstone thought to be related to the Kamloops Group. Spences Bridge Group flows and volcanoclastics occur as a series of outliers though the lower end of the Stikinia Terrane in the north and as a large belt within the Quesnellia Terrane in the south.

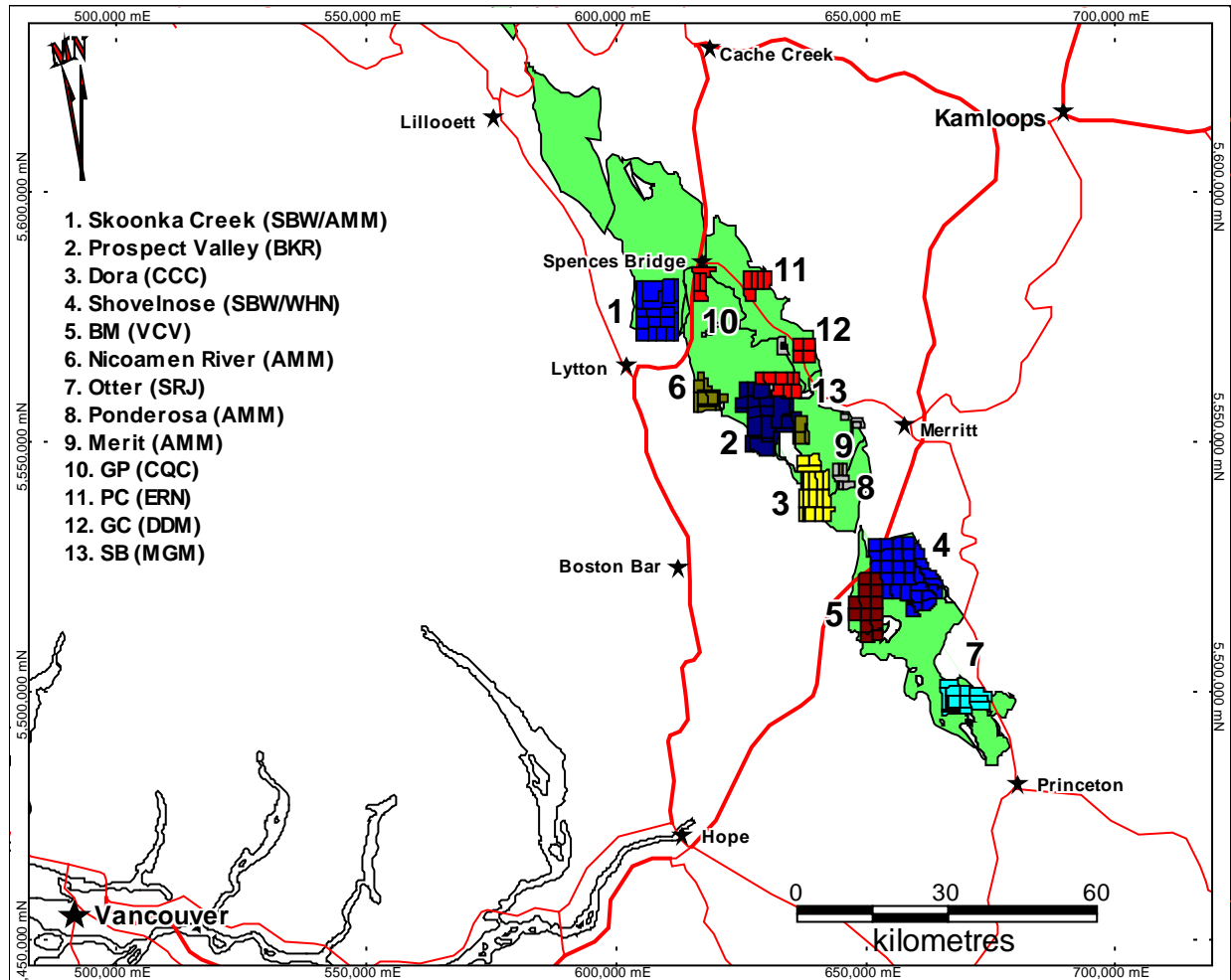
The middle to upper Cretaceous Spences Bridge Group has been identified as a significant target for epithermal precious metal mineralization. This group forms a northwest trending volcanic belt consisting of a thick sequence of gently folded volcanics with lesser sediments dipping shallowly to the northeast.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

Glacial drift and alluvium deposits were deposited in creek and river valleys by south moving Pleistocene glaciers.

Geology of the Spences Bridge Group

The Spences Bridge Group forms a northwest trending belt from 3 to 24 kilometres wide extending from north of Princeton through to east of Lillooet. (Duffel and McTaggart, 1952) A faulted extension of the belt occurs as a series of outliers in the Churn Creek / Empire Valley area west of 100 Mile House (Thorkelson, 2006). The group is estimated to be up to 3400 metres in thickness. (Thorkelson, 2006).

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

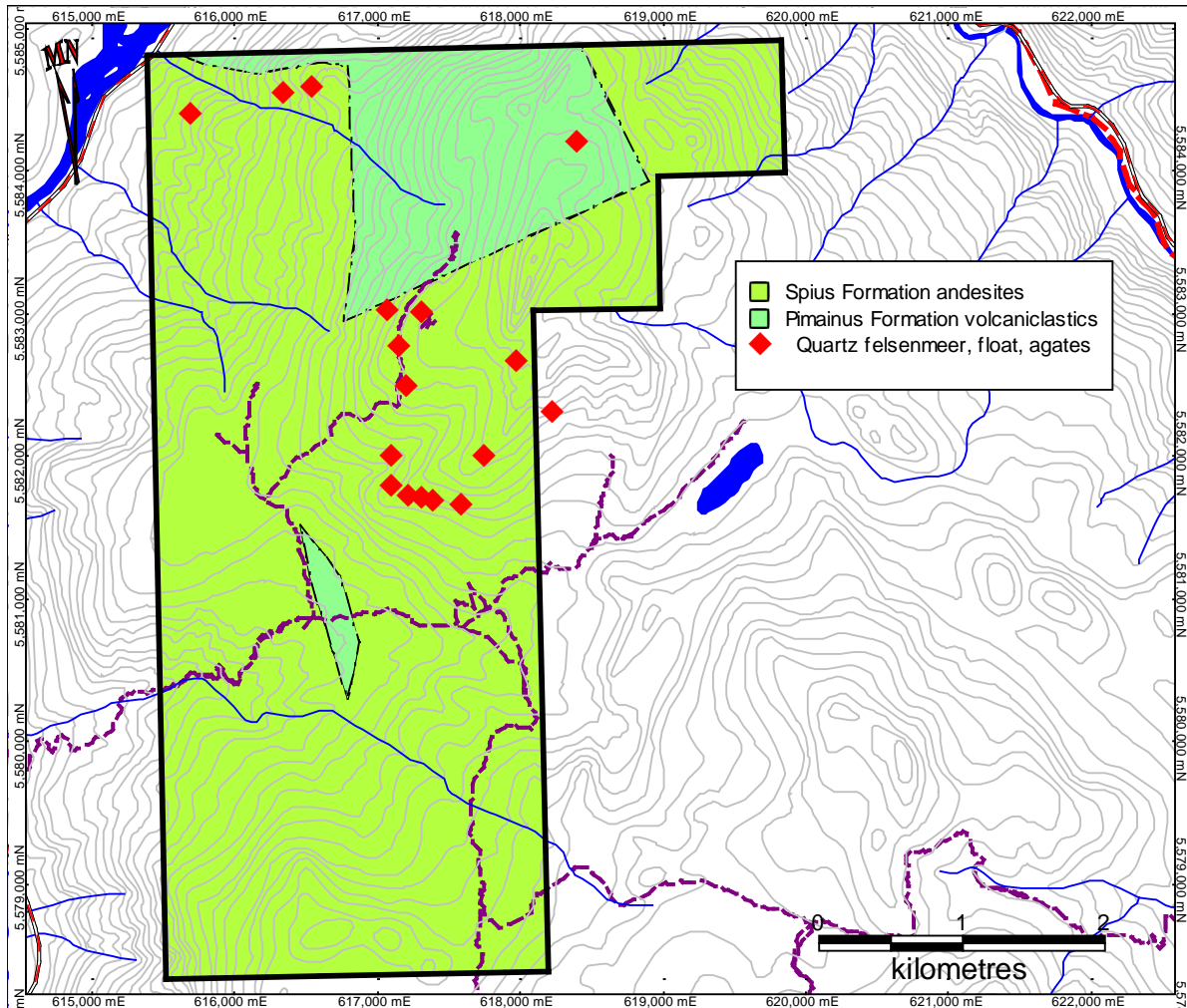


Datum NAD 83 Zone 10

Figure 4. Spences Bridge Gold Belt

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

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



Datum NAD 83 Zone 10

Figure 5. GP Property Geology

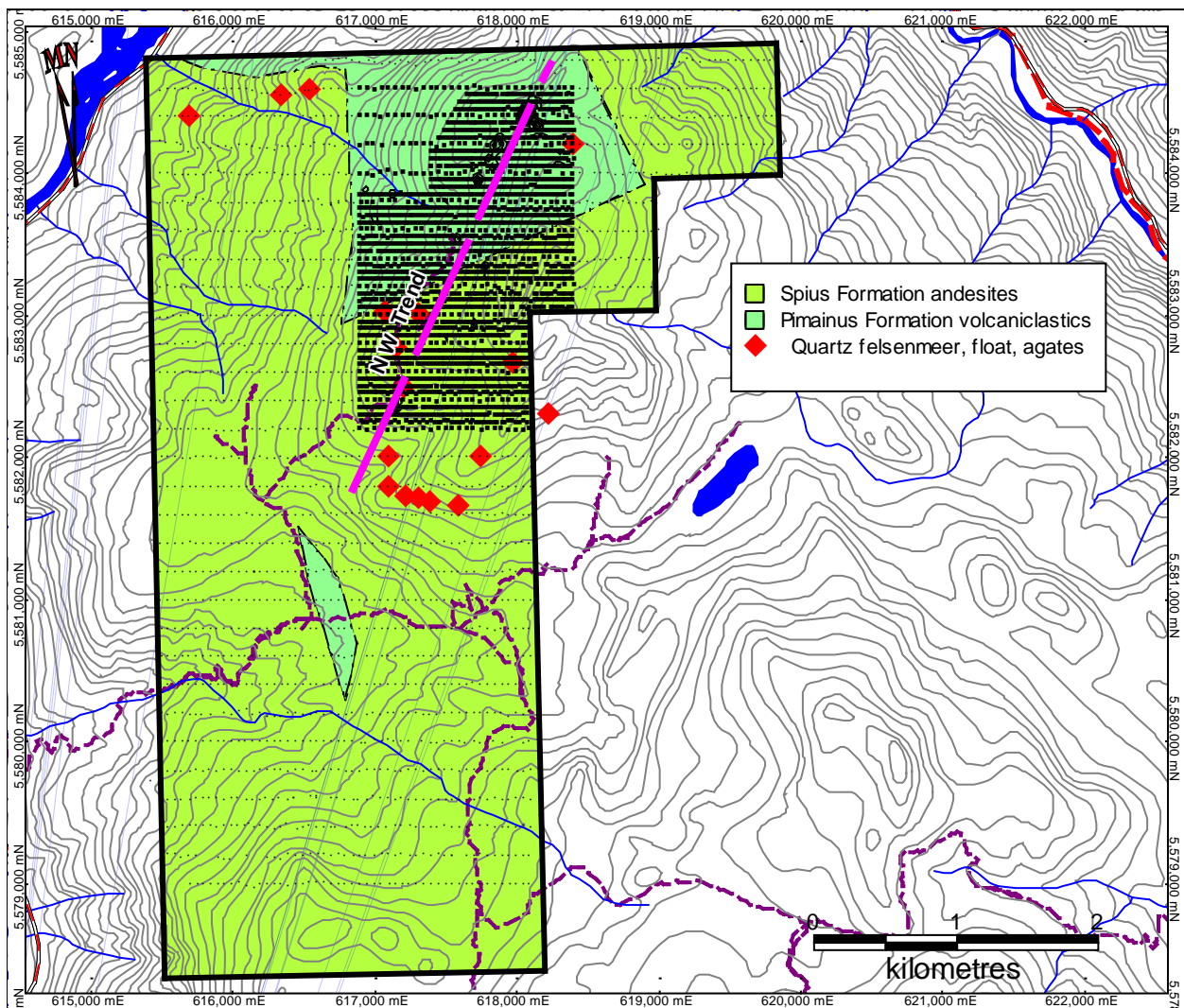
The Spences Bridge Group is preserved in the Nicoamen structural depression, a complex synclorium crosscut by normal faults. It may have been forming at the same time as the Spences Bridge Group. Presently, the Spius Formation is largely confined to the centre of the structural depression but appears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

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

GP Property Geology - (summarized from Henneberry, 2007)

According to the British Columbia government MapPlace website, the GP property is underlain by rocks of the Spius and Pimainus Formations of the Spences Bridge Group. Mapping suggests the ridge tops and higher ground is underlain by andesitic lava flows of the Spius Formation. Local interbeds of Pimainus Formation volcanoclastics were noted lower down the slopes on the western part of the property. Abundant epithermal quartz detritus was noted throughout the western half of the property, including agates, discontinuous veins and veinlets, clots, blowouts and felsenmeer. The outcrop exposure is excellent throughout the property.

The Spius Formation andesite underlies most of the claim block. The rock is usually dull grey weathering, but green to green-black on fresh surfaces. It ranges from porphyritic (with plagioclase laths to 1 cm in size) to aphanitic and is locally vesicular. Alteration consists primarily of patchy hematite, with local limonite and carbonate. Carbonate, as indicated by the orange lichen is more common at lower elevations. Quartz is common throughout the andesite on a property wide scale. Agates, quartz shards and weathered amygdules are commonly noted in the soil on traverse.



Datum NAD 83 Zone 10

Figure 6. Mineralization

The Pimainus Formation volcanoclastics were noted in a small area in the north-central portion of the GP property. The volcanoclastics range from lapilli tuff to block and ash fall tuff. On fresh surface the stone is grey green. These units generally consist of a dark green, aphanitic matrix with white plagioclase lapilli ranging in concentration from less than 1% to over 40%. Bombs of andesitic lava are common through these units, with bombs generally from 10 to 50 cm and occasionally in excess of 1 metre in size. Individual bomb or lapilli rich horizons do not appear to be traceable over distance.

Mineralization

The exploration target for the GP property is a low sulphidation epithermal precious metal deposit. Bedrock mineralization has yet to be found on the GP property. The exploration completed to date consisted of a 2011 property wide soil geochemical survey followed up with a 2013 grid over the northern portion of the 2011 grid as shown in Figure 6.

The 2013 detailed soil sampling was successful in enhancing the 2011 Au-in-soil and As-in-soil anomaly, a NW trending Au-As anomaly in excess of 3 kilometres in length. Gold values along the trend ranged from 3 to 192 ppb Au. There is abundant quartz float and felsenmeer located along the trend as well. The stronger section of the anomaly is clearly associated with the lower Pimainus Formation volcanoclastics. This remains a high priority target on the property.

DEPOSIT TYPES

The GP property is being explored for low sulphidation epithermal precious metals deposits. The following summary is condensed from British Columbia Ore Deposit Models (Panteleyev, 1996).

Low sulphidation epithermal deposits are typically hosted in volcanic island and continent-margin arcs and continental volcanic fields with extensional structures. These deposits can form in most types of volcanic rocks, though calcalkaline andesitic compositions predominate. Low sulphidation deposits can be any age, though Tertiary deposits are the most abundant. Jurassic deposits are important in British Columbia (Toodoggone).

Ore zones are typically localized in structures, but may occur in permeable lithologies. Upward-flaring ore zones centred on structurally controlled hydrothermal conduits are typical. Large (> 1 m wide and hundreds of metres in strike length) to small veins and stockworks are common with lesser disseminations and replacements. Vein systems can be laterally extensive but ore shoots have relatively restricted vertical extent. High-grade ores are commonly found in dilational zones in faults at flexures, splays and in cymoid loops.

In some districts the epithermal mineralization is tied to a specific metallogenic event, either structural, magmatic, or both. The veins are emplaced within a restricted stratigraphic interval generally within 1 km of the paleosurface. Mineralization near surface takes place in hot spring systems, or the deeper underlying hydrothermal conduits. Normal faults, margins of grabens, coarse clastic caldera moat-fill units, radial and ring dike fracture sets and both hydrothermal and tectonic breccias are all ore fluid channeling structures. Through-going, branching, bifurcating, anastomosing and intersecting fracture systems are commonly mineralized. Hanging wall fractures in mineralized structures are particularly favourable for high-grade ore.

Veins are comprised of quartz, amethyst, chalcedony, quartz pseudomorphs after calcite, and calcite. They may contain lesser amounts of adularia, sericite, barite, fluorite, Ca- Mg-Mn-Fe carbonate minerals such as rhodochrosite, hematite and chlorite. Veins commonly exhibit open-space filling, symmetrical and other layering, crustification, comb structure, colloform banding and multiple brecciation.

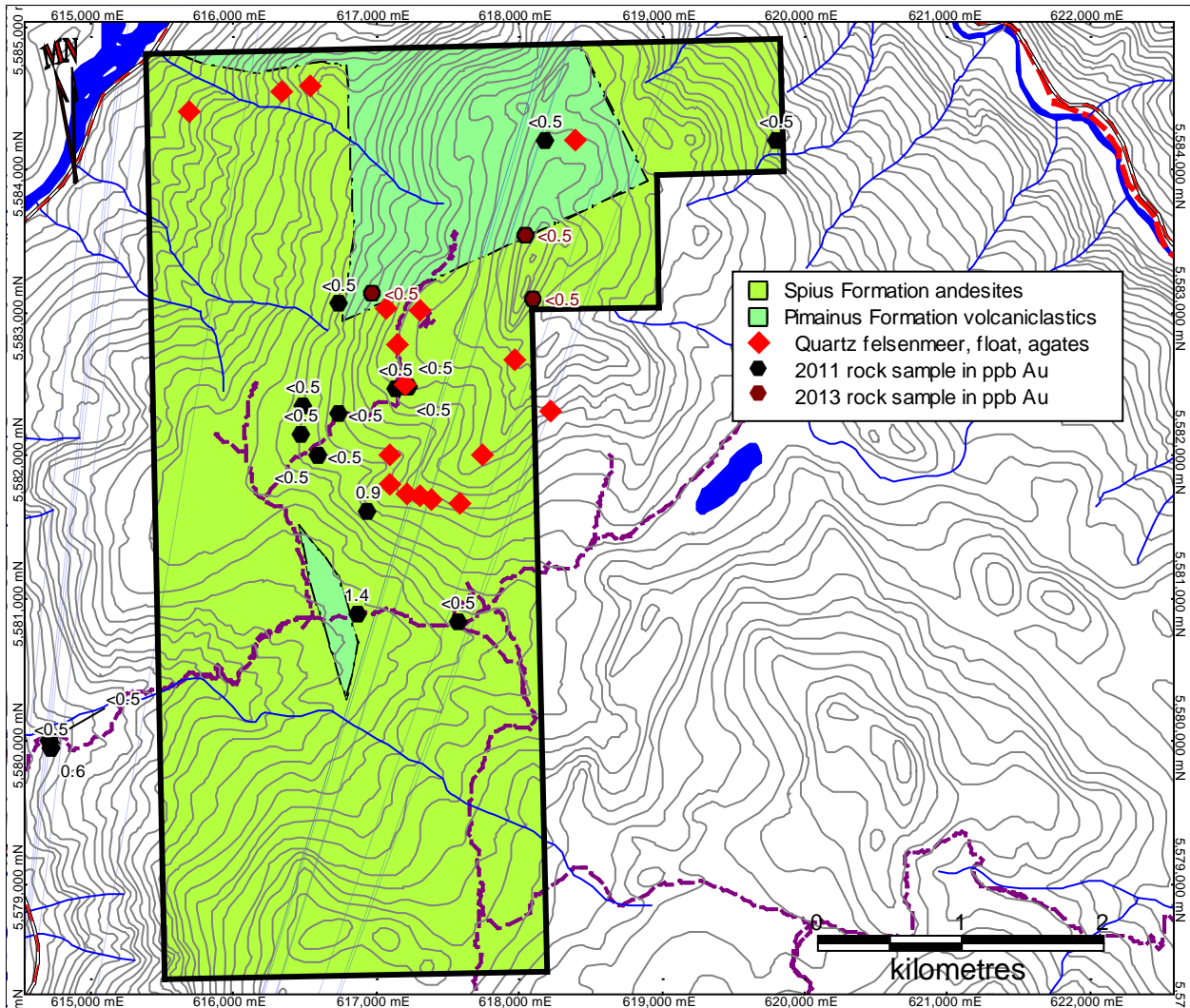
Mineralization within the veins consists of pyrite, electrum, gold, silver and argentite, with lesser chalcopyrite, sphalerite, galena, tetrahedrite, silver sulphosalt and/or selenide minerals. Deposits can be strongly zoned along strike and vertically. Deposits are commonly zoned vertically over 250 to 350 m from a base metal poor, Au-Ag-rich top to a relatively Ag-rich base metal zone and an underlying base metal rich zone grading at depth into a sparse base metal, pyritic zone. From surface to depth, metal zones contain: Au-Ag-As-Sb-Hg, Au-Ag-Pb-Zn-Cu, Ag- Pb-Zn.

Alteration is an important in low sulphidation epithermal deposits. Silicification is extensive in ores as multiple generations of quartz and chalcedony are commonly accompanied by adularia and calcite. Pervasive silicification in vein envelopes is flanked by sericite-illite-kaolinite assemblages. Intermediate argillic alteration [kaolinite-illite- montmorillonite (smectite)] formed adjacent to some veins; advanced argillic alteration (kaolinite-alunite) may form along the tops of mineralized zones. Propylitic alteration dominates at depth and peripherally.

Prospecting for mineralized siliceous and silica-carbonate float or vein material with diagnostic open-space textures is an effective exploration method. VLF can be effective in tracing structure, while radiometric surveys may outline strong potassic alteration of wallrocks. Geochemical sampling is also an effective exploration method with elevated values in the ore metals: Au, Ag, Zn, Pb, Cu as well as elevated values for pathfinder elements: As, Sb, Ba, F, Mn and locally Te, Se and Hg. Finally, silver deposits generally have higher base metal contents than Au and Au-Ag deposits.

Other low sulphidation epithermal deposit examples include: Creede, Colorado USA; Toodoggone Camp, B.C.; Blackdome, B.C.; Premier, B.C.; Comstock Lode, Nevada USA and Pachuca, Mexico.

Two distinct sampling surveys were completed as part of the 2013 exploration program on the GP property: grid soil sampling and local rock sampling. A total of 1748 soil samples and 3 rock samples were taken during the May and June 2013 exploration program.

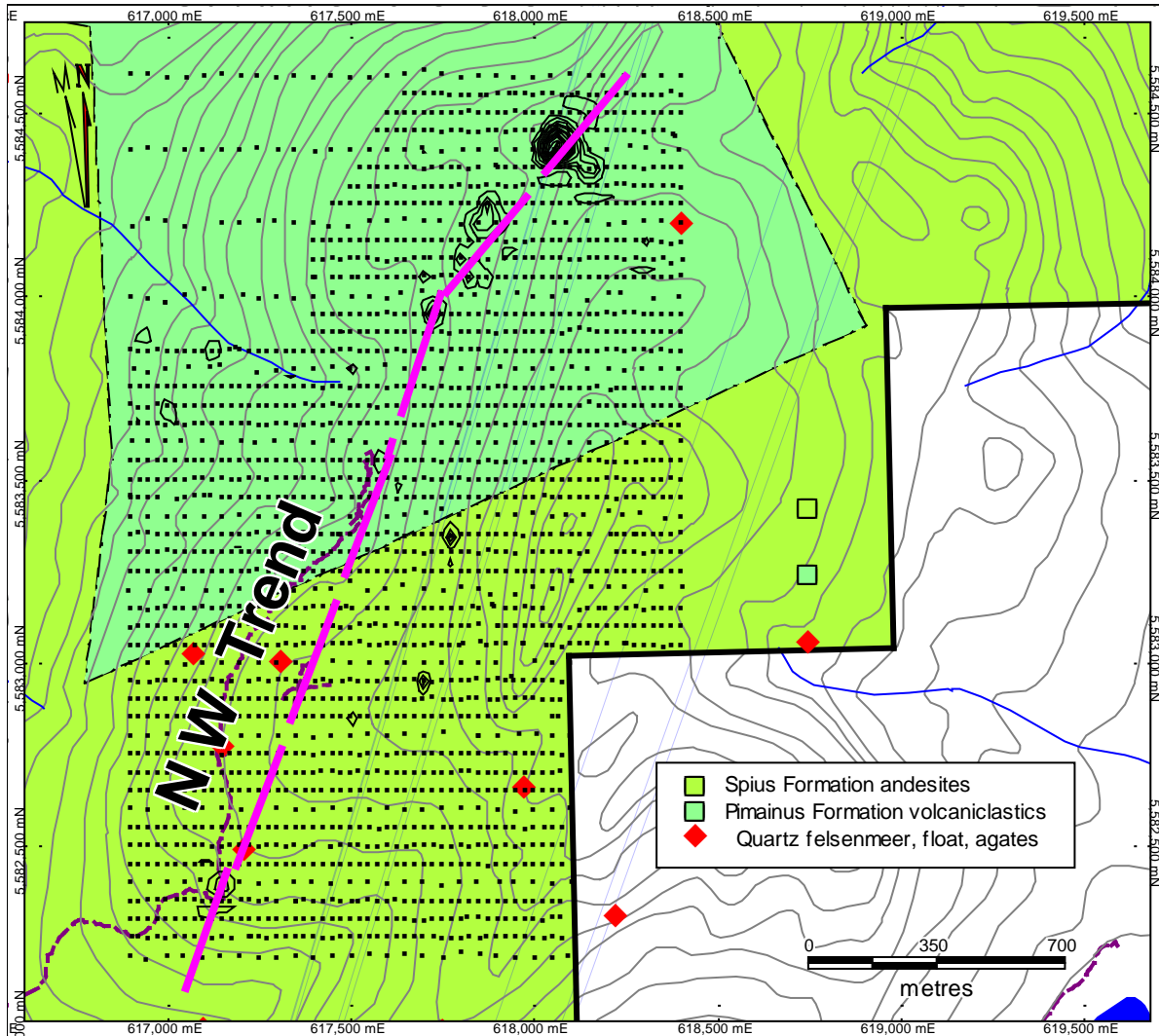


Datum NAD 83 Zone 10

Figure 7. GP Rock Samples

2013 rock samples from 1 to 3 kilograms for float samples and 2.5 to 8 kilograms for bedrock chip samples were collected. Float samples consisted of chips taken from one or two larger cobbles, or of several smaller fragments collected from an area of a few square metres. Individual samples were placed in labeled plastic bags, with an assay ticket also placed in the same bag. The sample locations were marked in the field with pink flagging and labeled Tyvex tags. UTM coordinates, in the map datum NAD 83, were recorded with a handheld Global Positioning System (GPS) unit.

The soil sampling survey followed up on the anomalous area from the 2011 program. The 2013 program was confined to the area between 5582250N and 5548550N and 616900E and 618400E and consisted of 25 metre sample stations on 50 metre spaced lines. Each soil line was flagged and sampled at 25 metre intervals along the line measured with a hip chain. Soil bags and flagging were pre-numbered the day before. At each sample location a 500 to 1000 gram sample of the soil from the "B" horizon was taken and placed in the corresponding soil bag. Each sample location was marked as a waypoint in a GPS unit in the map datum NAD 83. The data was downloaded nightly to computers.

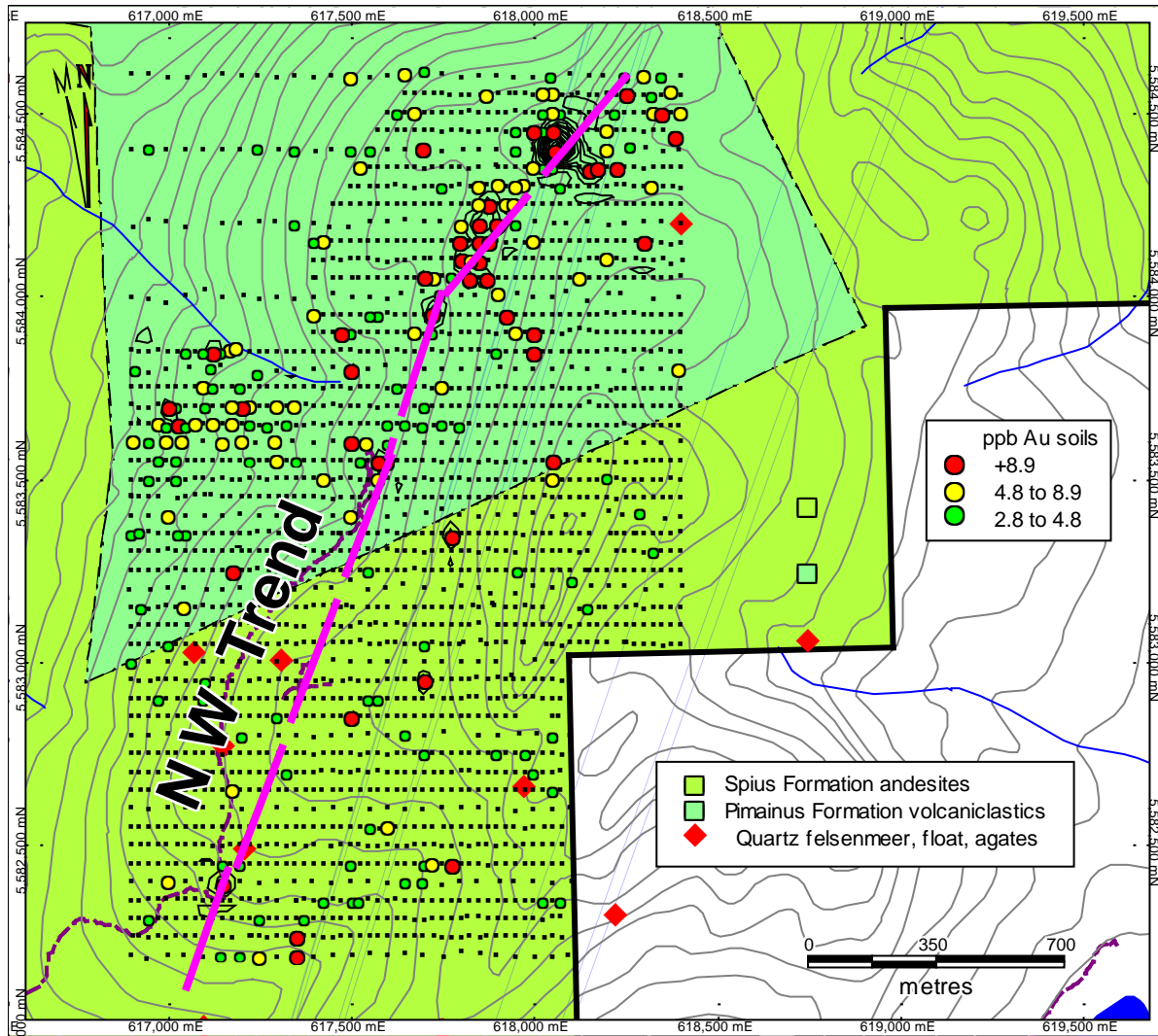


Datum NAD 83 Zone 10

Figure 8a. Au Soil Geochemistry Contoured

The author is not aware of any sampling or recovery factors that could materially impact the accuracy and reliability of the assay results. The author believes the samples taken by Mammoth Geological Ltd. personnel to be representative and does not feel there are any factors that may have resulted in sample bias. There is no chance of bias in the soil sampling as these samples are just blind samples taken at regular intervals. The prospecting rock samples are generally grabs of bedrock material or float.

The lithologies documented on the GP property include: volcanics and andesitic flows of the Spences Bridge Group. There has not yet been bedrock mineralization located on the GP property. The exploration target is low sulphidation epithermal precious metal mineralization which can be confined to quartz veins or fault zones, though it may be disseminated throughout porous units.



Datum NAD 83 Zone 10

Figure 8b. Au Soil Geochemistry Bubble Plot

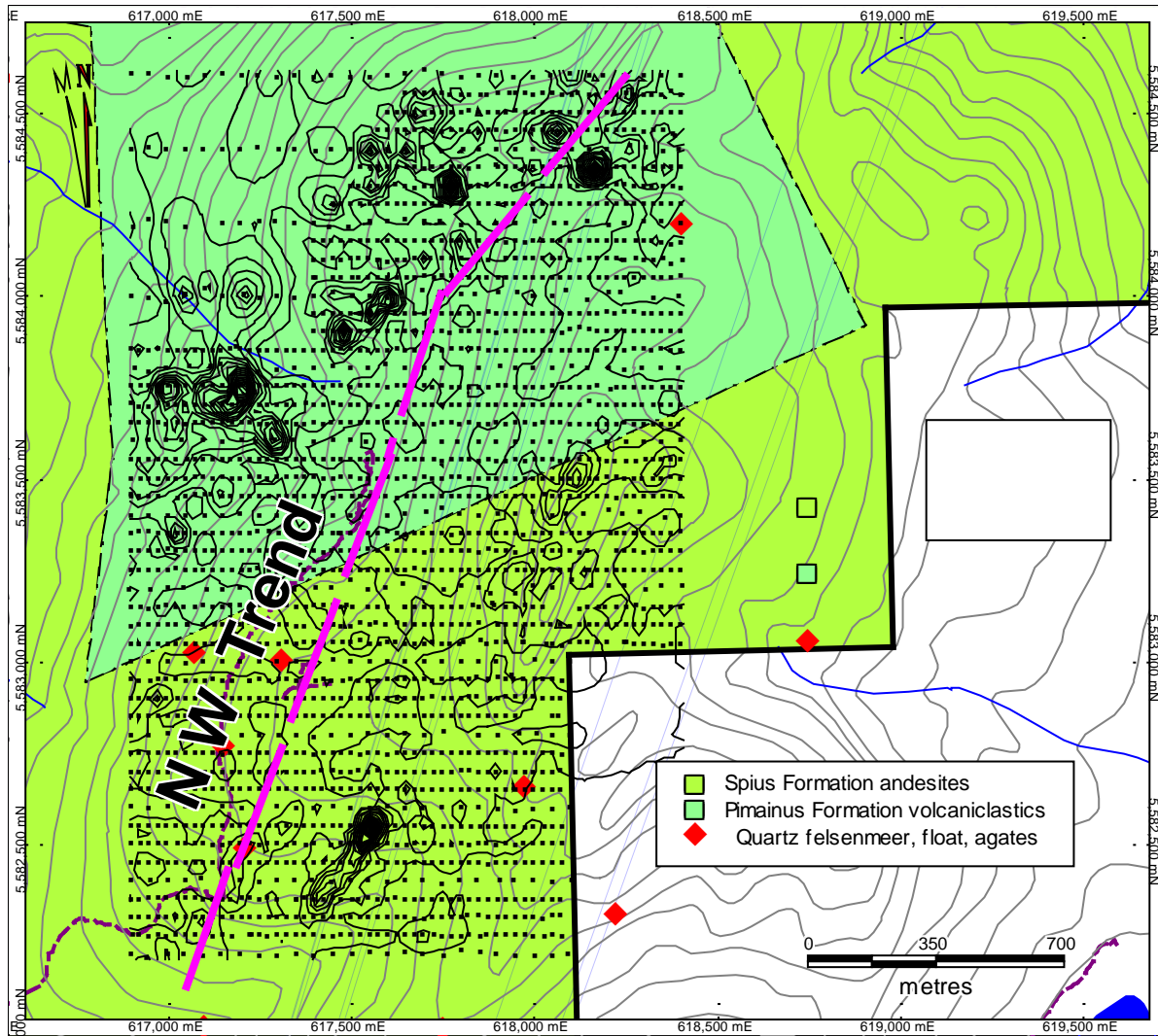
Table 2. 2013 Rock Samples

| Sample No. | Type | Width | ppm As | ppb Au |
|------------|----------------------------|-------|--------|--------|
| JT R002 | quartz carbonate stringers | grab | <0.5 | <0.5 |
| JT R003 | quartz carbonate stringers | grab | 0.7 | <0.5 |
| JT R004 | quartz float | grab | 0.6 | <0.5 |

Three additional rock samples were taken during the 2013 exploration program (Table 2; Figure 7). All three of the samples returned gold values below detection limits.

Table 3: Geochemical Statistics for Soil Sampling

| Percentile | 75th | 90th | 95th | 98th | Maximum | Count | # Zero |
|------------|------|------|------|------|---------|-------|--------|
| As ppm | 2.4 | 3.6 | 5.1 | 7.6 | 41.3 | 2155 | 47 |
| Au ppb | 1.6 | 2.8 | 4.8 | 8.9 | 192.2 | 2155 | 47 |



Datum NAD 83 Zone 10

Figure 9. As Soil Geochemistry

The 2013 grid sampling was successful in substantiating the 2011 soil results. The NW trending gold-in-soil anomaly was further defined in the 2013 survey as shown in the contoured plot (Figure 8a) and more clearly in the bubble plot (Figure 8b). The anomaly is 2.7 kilometres in length and is open at both ends of the grid sampling. The width ranges from one station, about 25 metres, to four stations, about 100 metres. It is stronger over the northern part of the grid, corresponding to the Pimainus volcanoclastics and weaker in the overlying Spius andesites.

The arsenic contour plot (Figure 9) appears to highlight the same trend as shown on the gold plot, though it appears to have shifted down slope, a possible function of soil creep. The arsenic is more consistent than the gold and also appears to extend the linear anomaly over a kilometre further to the south.

The gold bubble plot also highlighted a second area of anomalous gold values in the north west central part of the grid. This encompasses an area 250 metres by 350 metres. It is also highlighted in the arsenic contoured plot. This also required further investigation.

DRILLING

There has not been any drilling completed on the GP property.

SAMPLE PREPARATION, ANALYSIS AND SECURITY

At the end of the field day, all soil samples were brought back to town. They were put in sequence and placed 12 to 15 in a 13 by 18 poly bag. Three poly bags were then placed in a rice bag. One standard, sealed in a Ziploc bag, was also placed in the rice bag. The bag was then zip strapped and shipped in groups of 10 to 20 rice bags to Acme Analytical Laboratories Ltd. in Vancouver, British Columbia by Mammoth Geological Ltd. (the geological contractor) personnel. Rock samples were handled similarly, with the three samples placed in one rice bag. Since these were preliminary surveys no sample splitting or reduction was necessary. The rice bags were stored in the motel rooms of Mammoth Geological Ltd. personnel until there were a sufficient number to make a shipment to the lab. Mammoth Geological Ltd. is not independent of Carolina Capital Corp. as its principle (the author) is a Director of Carolina. The author is however, independent of the property owner Qualitas Holdings Corp.

All samples from the 2013 exploration program were analyzed at Acme Analytical Laboratories Ltd. in Vancouver, an ISO 9001 certified lab. The sample preparation procedures follow. Silt and soil samples are first dried at 60°C and sieved at -80 mesh to obtain a 100 gram pulp. Depending on the amount of -80 mesh material obtained, a 7.5, 15 or 30 gram sub-sample is cut and leached with 90ml or 180ml of 2-2-2 HCl-HNO₃-H₂O solution at 95°C for one hour, followed by dilution to 300ml or 600ml and 36 element ICP-MS.

Rock samples are crushed to 70% passing through a 10 mesh screen. A 250 gram split is pulverized to 95% passing through a 150 mesh screen. A 30gm sub-sample of the pulverized pulp is leached with 90ml or 180ml of 2-2-2 HCl-HNO₃-H₂O solution at 95°C for one hour, followed by dilution to 300ml or 600ml and 36 element ICP-MS.

The exploration programs completed by Carolina Capital Corp. are preliminary surveys. The quality control procedures employed included duplicates and standards supplied by CDN Resources Laboratories Ltd. A total of 34 standards were employed at regular intervals throughout the sample stream. The CDN standards performed relatively well for gold with only eight of 18 analyses marginally outside of the sample range for Standard CDN-GPS-7E, only two of 7 analyses outside of the sample range for Standard CDN-CGS-27, only one of 4 analyses reporting outside of the range for standard CDN ME-1101 and five of 5 analyses reporting within the range for standard CDN-GPS-2 as shown in Table 3.

Table 4. Summary of Standard Performance

| CDN GSP 7E | | | CDN-GPS-2 | | | CDN-CGS-27 | | |
|------------|---------|--------|------------|---------|--------|-------------|---------|-----------|
| Ranges | 680-852 | | Ranges | 194-234 | | Ranges | 386-478 | 3640-3940 |
| Sample No | ppb Au | ppm Cu | Sample No | ppb Au | ppm Cu | Sample No | ppb Au | ppm Cu |
| GPSTD-2 | 730 | 46 | S-PMS-84 | 219 | 61 | SD PMS-111 | 480 | 3739 |
| GPSTD-4 | 694 | 46 | S-PMS-94 | 215 | 63 | PMS-115 | 533 | 3543 |
| GPSTD-5 | 657 | 44 | S-PMS-98 | 219 | 63 | SD PMS-83 | 465 | 3960 |
| GPSTD-7 | 611 | 50 | S-PMS-100 | 214 | 58 | SD PMS-85 | 407 | 3339 |
| S-P7E 001 | 663 | 47 | SD PMS-114 | 213 | 61 | SD PMS-93 | 459 | 3873 |
| S-P7E 002 | 742 | 49 | | | | SD PMS-97 | 449 | 3434 |
| S-P73 003 | 708 | 47 | | | | SD PMS-99 | 465 | 3623 |
| S P7E 004 | 703 | 47 | | | | | | |
| S P7E 005 | 735 | 46 | | | | CDN ME 1101 | | |
| S P7E 006 | 720 | 46 | | | | Ranges | 508-620 | 6210-7250 |
| S P7E 007 | 643 | 46 | | | | Sample No | ppb Au | ppm Cu |
| S P7E 008 | 694 | 46 | | | | GPSTD-1 | 511 | 6937 |
| S P7E 009 | 663 | 47 | | | | GPSTD-3 | 560 | 7397 |
| S P7E 010 | 636 | 47 | | | | GPSTD-6 | 492 | 6879 |
| S-P7E-011 | 642 | 46 | | | | S-SBS-30 | 531 | 7056 |
| S P7E 012 | 774 | 46 | | | | | | |
| S-P7E.13 | 746 | 58 | | | | | | |
| S-SBS-29 | 669 | 45 | | | | | | |

The author feels the sample preparation, security and analytical procedures for the preliminary ground surveys on the GP property were adequate for this type of exploration program.

DATA VERIFICATION

The author applied minimal verification procedures as the field crew conducting the exploration program were working for the author's geological consulting company. The author examined the security procedures during his visit to the property. The author also examined some of the sample sites and is satisfied with the sampling protocols and procedures. A review of the assay data shows no irregularities in the author's opinion.

The author is therefore satisfied that the data is adequate for the exploration programs it supports for the purpose of this technical report.

MINERAL PROCESSING AND METALLURGICAL TESTING

There has been no mineral processing or metallurgical testing undertaken on the GP property.

MINERAL RESOURCES AND MINERAL RESERVE ESTIMATES

There are presently no mineral reserves or mineral resources on the GP property.

ADJACENT PROPERTIES

This technical report is not relying on data from adjacent properties.

OTHER RELEVANT DATA AND INFORMATION

There is no additional relevant data or information known that is not disclosed on the GP property.

INTERPRETATION AND CONCLUSIONS

Carolina Capital Corp's. GP property is situated in a geological environment that has shown to have exploration potential. Mineral exploration for precious metal bearing epithermal quartz veins in the subaral volcanics of the Spences Bridge Group was initiated in 2001, after follow-up of a number of Regional Geochemistry Survey gold anomalies. This resulted in a number of significant vein discoveries, including: Shovelnose Mountain, Prospect Valley, Ponderosa, Sullivan Ridge and Nic in the Merritt area (Diakow, 2008; Diakow and Barrios, 2009) and Skoonka Creek further to the north in the Lytton area.

Exploration highlights from the Spences Bridge Gold Belt include:

- Almaden Minerals Ltd. and Strongbow Exploration Inc. reporting drill results including 18.4 gpt Au over 12.8 m from their Sכוןka Creek Joint Venture in the Almaden news release dated November 29, 2005.
- Altair Ventures Inc. released a 43-101 compliant resource of 10.07 million tonnes grading 0.511 gpt Au for a total of 166,000 ounces of gold from the North and South Zones on their Prospect Valley property on October 19, 2011.
- According to its June 3, 2013 News Release, Westhaven Ventures Inc. has commenced its 2013 drill program to follow up on its 2012 drilling results, which included 50.4 metres at 0.54 gpt Au and 4.77 gpt Ag, at its Shovelnose project where it is earning a 70 percent interest from Strongbow Exploration Inc.

The author has been unable to verify the drill results from Sכוןka Creek, Prospect Valley or Shovelnose and these drill results are not necessarily indicative of the mineralization on the GP property.

The 2013 GP property exploration program continued on the success of the 2011 program in sharpening and defining the NW trending Au-in-soil anomaly. As with most of the properties in the SBGB, erosion appears to be minimal. The low sulphidation epithermal model (Panteleyev, 1996) suggests the precious metal horizon, namely the zone of boiling, is vertically restricted over a vertical depth in the order of 350 metres at a depth in the order of 1000 metres below paleosurface. Personnel communications with Ed Balon, formerly of Almaden Minerals, and Dave Gale, formerly of Strongbow Exploration, indicate they feel the top of the boiling horizon is approximately 300 metres below present surface, based on their multi-year field work in the SBGB. The discovery of angular epithermal float in the creek bottoms of several of the known epithermal occurrences, i.e. Prospect Valley (Diakow and Barrios, 2009) appears to support this theory as the creeks in these valleys would have eroded down to and through the boiling horizons.

The 2700 metre NW trending Au-in-soil anomaly on the GP property could very well represent the surface expression of a buried precious metal horizon. The ubiquitous chalcedonic quartz rubble and agates located throughout the soil grid and the entire property further support this theory as the occurrence of this quartz is common in these deposits.

There is little doubt that further exploration is required for the GP property; the question becomes the next step in the exploration program. One option would be to further tighten the soil grid to 25 metre by 25 metre spacings. The purpose would be to further define the anomaly in preparation for drilling. A second option would be to complete a deep Induced Polarization (IP) survey to test for resistivity lows, which would be indicative of quartz veining at depth. Again this would be in advance of drilling. In all likelihood, upon completion of closer spaced soil sampling, a deep IP survey would still be prudent before commencing drilling to depth.

RECOMMENDATIONS

The GP property warrants further exploration for epithermal precious metals deposits. The NW trending Au-As anomaly needs to be further evaluated.

A deep IP survey is recommended over the heart of the 2013 grid to test for quartz veining at depth. This would entail somewhere in the order of 18 lines spaced at 150 metre intervals. Line lengths would be in the order of 1600 metres to allow 1000 metres of actual surveying. A total of 28.8 line kilometres would need to be cut and then geophysically surveyed.

Table 5. 2013 GP Budget

| | | | | | | |
|---------------------------------|----|------|---|--------|------|-------------------|
| Line cutting | | | | | | |
| Lead Hand | 10 | days | @ | \$ 475 | /day | \$ 4,750 |
| Lead hand | 10 | days | @ | \$ 475 | /day | \$ 4,750 |
| Assistant | 10 | days | @ | \$ 425 | /day | \$ 4,250 |
| Assistant | 10 | days | @ | \$ 425 | /day | \$ 4,250 |
| Room & Board | 40 | days | @ | \$ 100 | /day | \$ 4,000 |
| Vehicle + Fuel | 20 | days | @ | \$ 200 | /day | \$ 4,000 |
| Supplies and equipment | | | | | | \$ 2,000 |
| IP Survey | | | | | | |
| Estimated | | | | | | \$ 110,000 |
| Documentation | | | | | | \$ 7,500 |
| Contingency | | | | | | \$ 14,500 |
| Geophysical Survey Total | | | | | | \$ 160,000 |

Diakow, L.J. (2008). Spences Bridge Bedrock Mapping Project: Preliminary Results from the Merritt Region, South-Central British Columbia (Parts of NTS 092H/14, 15, 092I/02). British Columbia Ministry of Energy, Mines and Petroleum Resources Geological Fieldwork 2007, Paper 2008-1, pp 1-4.

Diakow, L.J. and Barrios, A. (2009). Geology and Mineral Occurrences of the Mid-Cretaceous Spences Bridge Group near Merritt, Southern British Columbia (Parts of NTS 092H/14, 15, 092I/02, 03). British Columbia Ministry of Energy, Mines and Petroleum Resources Geological Fieldwork 2008, Paper 2009-1, pp 63-80.

Duffell, S. and McTaggart, K. C. (1952). Ashcroft Map-Area, British Columbia (BC); Geological Survey of Canada Memoir 262

Green, K.C. and Trupia, S. (1989). Structure, Stratigraphy and Industrial Minerals in the Gang Ranch Area, Southern British Columbia (920/8,9). British Columbia Ministry of Energy and Mines Geological Fieldwork 1988, Paper 1989-1, pages 519-523.

Henneberry, R.T. (2006). Geological Report Goldpan Shamrock Report. British Columbia Ministry of Energy and Mines Assessment Report 28521.

Henneberry, R.T. (2007). Geological Report Goldpan Shamrock Property. British Columbia Ministry of Energy and Mines Assessment Report 28824.

Henneberry, R.T. (2012). 2011 Geochemical Report GP Property. British Columbia Ministry of Energy and Mines Assessment Report 33828.

Jackson, J. and Gale, D.F. (2008). 2007 Report on Prospecting Activities: Soil and Silt Sampling, Prospecting, Mapping and Geochemistry. Spences Bridge Properties: Goldpan-Shamrock, Silk, Manning and Southern Belle. British Columbia Ministry of Energy and Mines Assessment Report 29643.

<http://www.empr.gov.bc.ca/Mining/Geoscience/MapPlace/MainMaps/Pages/default.aspx>. The British Columbia Ministry of Energy and Mines MapPlace website provided the regional geological map and legend.

Panteleyev, A. (1996). Epithermal Au-Ag: Low Sulphidation, in Selected British Columbia Mineral Deposit Profiles, Volume 2 - Metallic Deposits, Lefebvre, D.V. and Höy, T, Editors, British Columbia Ministry of Employment and Investment, Open File 1996-13, pages 41-44.

Rice, H. M. A. (1947). Geology and Mineral Deposits of the Princeton Map-Area, British Columbia. Geological Survey of Canada Memoir 243

Thorkelson, D. J. (1985). Geology of the Mid-Cretaceous Volcanic Units near Kingsvale, southwestern British Columbia. Geological Survey of Canada Paper 85-16, p. 333-339.

Thorkelson, D. J. (2006). Notes for Geological Field Trip - Spences Bridge - Merritt Area for Strongbow Exploration Inc. May 8-9, 2006.

CERTIFICATE FOR R. TIMOTHY HENNEBERRY

I, R. Tim Henneberry, P. Geo., a consulting geologist, residing at 2446 Bidston Road, Mill Bay, B.C. V0R 2P4 do hereby certify that: I am the Qualified Person for:

Carolina Capital Corp.

2075 West 37th Avenue
Vancouver, British Columbia V6M 1N7

I earned a Bachelor of Science Degree majoring in geology from Dalhousie University, graduating in May 1980.

I am registered with the Association of Professional Engineers and Geoscientists in the Province of British Columbia as a Professional Geoscientist.

I have practiced my profession continuously for 33 years since graduation.

I have read the definition of “qualified person” set out in National Instrument 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “qualified person” for the purposes of NI 43-101. My relevant experience for the purpose of this Technical Report is:

- 33 years of exploration experience for base and precious metals in the Western Cordillera, including 8 years of exploration in the Spences Bridge Gold Belt.

I am responsible for the preparation of the technical report titled “2013 Geochemical Report GP Property” and dated June 24, 2013 relating to the GP property. I visited the GP property on May 15, 2013 for one day.

I have had prior involvement with the property that is the subject of the Technical Report. I was a partner in a private company that held an interest in claims that now cover the ground held by the GP property. I conducted and supervised the 2005 and 2006 exploration programs on that property. I also supervised the 2011 exploration program on current GP property.

As of June 24, 2013, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

I am a Director of Carolina Capital Corp. and hold 100,000 options. Therefore, I cannot be considered independent of the issuer after applying all of the tests in section 1.5 of NI 43-101. In addition, my geological consulting company undertook the exploration programs that are the subject of this report.

I have read NI 43-101 and Form 43-101F, and the Technical Report has been prepared in compliance with that instrument and form.

I make this Technical Report effective June 24, 2013.

“signed and sealed”

R. Tim Henneberry, P. Geo

| Number | 83Z10E | 83Z10N | Description | Certificate | ppm Mo | ppm Cu |
|---------|--------|---------|---|-------------|--------|--------|
| JT R002 | 616975 | 5583150 | Carbonate / quartz stringers and clots in andesite. Limonite staining | VAN13001957 | 0.2 | 17.4 |
| JT R003 | 618050 | 5583550 | Carbonate / quartz stringers in andesite. Siderite | VAN13001957 | 0.1 | 17.3 |
| JT R004 | 618100 | 5583100 | Quartz float (close to source) | VAN13001957 | 0.1 | 16.1 |

| Number | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd |
|---------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|
| JT R002 | 1.7 | 21 | <0.1 | 13.4 | 6 | 269 | 1.38 | <0.5 | <0.5 | 0.6 | 186 | <0.1 |
| JT R003 | 1.7 | 16 | <0.1 | 13.1 | 5.1 | 164 | 1.05 | 0.7 | <0.5 | 0.7 | 118 | <0.1 |
| JT R004 | 1.1 | 12 | <0.1 | 10.1 | 4.3 | 153 | 0.87 | 0.6 | <0.5 | 0.3 | 62 | <0.1 |

| Number | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al |
|---------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|
| JT R002 | <0.1 | <0.1 | 30 | 0.43 | 0.046 | 6 | 13 | 0.66 | 119 | 0.139 | <1 | 0.74 |
| JT R003 | <0.1 | <0.1 | 20 | 0.43 | 0.029 | 4 | 11 | 0.35 | 94 | 0.062 | <1 | 0.79 |
| JT R004 | <0.1 | <0.1 | 18 | 0.29 | 0.022 | 3 | 4 | 0.43 | 42 | 0.055 | <1 | 0.62 |

| Number | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| JT R002 | 0.05 | 0.1 | <0.1 | <0.01 | 2.9 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| JT R003 | 0.089 | 0.34 | <0.1 | <0.01 | 2.2 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| JT R004 | 0.064 | 0.22 | <0.1 | <0.01 | 1.8 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 EH 001 | 616900 | 5582301 | 968 | VAN13001612 | 0.4 | 32.5 | 5.4 | 62 | <0.1 | 27.3 | 12.2 | 612 | 2.69 | 1.7 | 0.9 | 1.9 | 124 | <0.1 | 0.2 | 0.1 | 67 | 0.71 | 0.032 | 12 | 32 | 0.64 | 143 | 0.144 | 7 | 2.13 | 0.036 | 0.4 | <0.1 | 0.01 | 6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 002 | 616925 | 5582301 | 976 | VAN13001612 | 0.4 | 33.3 | 5 | 64 | <0.1 | 27.9 | 12.8 | 617 | 2.81 | 1.1 | 1.3 | 1.9 | 123 | <0.1 | 0.1 | 0.1 | 75 | 0.72 | 0.039 | 13 | 33 | 0.67 | 138 | 0.146 | 6 | 2.14 | 0.041 | 0.33 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| GP 13 EH 003 | 616949 | 5582300 | 981 | VAN13001612 | 0.5 | 50.7 | 5.5 | 53 | <0.1 | 37.6 | 14.6 | 505 | 3.47 | 1.9 | 3.3 | 2.4 | 132 | 0.1 | 0.2 | <0.1 | 79 | 0.81 | 0.035 | 16 | 44 | 0.82 | 135 | 0.137 | 7 | 2.7 | 0.04 | 0.38 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 004 | 616976 | 5582299 | 985 | VAN13001612 | 0.3 | 33.9 | 5.9 | 65 | <0.1 | 25.7 | 11.5 | 575 | 2.62 | 1.5 | <0.5 | 2.3 | 108 | <0.1 | 0.2 | <0.1 | 64 | 0.66 | 0.026 | 14 | 29 | 0.56 | 135 | 0.141 | 5 | 1.94 | 0.037 | 0.4 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 5 | 0.8 | <0.2 |
| GP 13 EH 005 | 616999 | 5582301 | 988 | VAN13001612 | 0.5 | 45.6 | 5.4 | 61 | <0.1 | 33.4 | 14.6 | 642 | 3.16 | 1.4 | <0.5 | 2.1 | 116 | 0.1 | 0.2 | 0.1 | 78 | 0.79 | 0.021 | 15 | 39 | 0.77 | 129 | 0.146 | 5 | 2.4 | 0.037 | 0.31 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 006 | 617025 | 5582300 | 991 | VAN13001612 | 0.3 | 33.1 | 6.5 | 69 | <0.1 | 24.8 | 12.4 | 729 | 2.69 | <0.5 | <0.5 | 2.2 | 118 | <0.1 | 0.1 | <0.1 | 71 | 0.72 | 0.028 | 13 | 28 | 0.59 | 138 | 0.157 | 4 | 2.11 | 0.04 | 0.4 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 007 | 617050 | 5582300 | 1001 | VAN13001612 | 0.3 | 31.2 | 5.9 | 79 | <0.1 | 23.7 | 11.9 | 786 | 2.69 | 2 | 0.6 | 2 | 109 | 0.1 | 0.2 | <0.1 | 64 | 0.78 | 0.031 | 11 | 30 | 0.63 | 139 | 0.146 | 9 | 2.15 | 0.036 | 0.42 | <0.1 | 0.03 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 008 | 617076 | 5582300 | 1006 | VAN13001612 | 0.3 | 30.1 | 4.4 | 58 | <0.1 | 13.7 | 9.7 | 621 | 2.27 | 4.2 | <0.5 | 2.5 | 62 | <0.1 | 0.2 | <0.1 | 53 | 0.63 | 0.023 | 16 | 18 | 0.42 | 125 | 0.058 | 7 | 1.78 | 0.024 | 0.19 | <0.1 | 0.02 | 6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 009 | 617100 | 5582301 | 1019 | VAN13001612 | 0.4 | 30.5 | 7.2 | 48 | <0.1 | 12.3 | 9 | 679 | 2.06 | 4.5 | <0.5 | 3.4 | 37 | <0.1 | 0.3 | <0.1 | 40 | 0.74 | 0.048 | 23 | 15 | 0.38 | 89 | 0.027 | 7 | 1.45 | 0.015 | 0.19 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| GP 13 EH 010 | 617124 | 5582301 | 1024 | VAN13001612 | 0.1 | 33.8 | 4.4 | 61 | <0.1 | 14.9 | 11.3 | 591 | 2.97 | 2.2 | 0.6 | 1.8 | 50 | 0.1 | <0.1 | <0.1 | 79 | 0.68 | 0.062 | 17 | 23 | 1.16 | 44 | 0.049 | 3 | 2.1 | 0.017 | 0.13 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 011 | 617150 | 5582299 | 1020 | VAN13001612 | 0.3 | 47.4 | 5.8 | 64 | <0.1 | 27.8 | 13.1 | 567 | 3.15 | 1.7 | 2.1 | 2.2 | 128 | 0.1 | 0.2 | <0.1 | 77 | 0.74 | 0.027 | 15 | 33 | 0.81 | 131 | 0.127 | 7 | 2.56 | 0.044 | 0.35 | <0.1 | 0.04 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 012 | 617175 | 5582300 | 1015 | VAN13001612 | 0.3 | 27.7 | 4.9 | 56 | <0.1 | 21.8 | 12 | 729 | 2.5 | 1.1 | 0.8 | 1.9 | 139 | 0.1 | 0.2 | <0.1 | 77 | 0.69 | 0.014 | 14 | 27 | 0.48 | 154 | 0.143 | 2 | 1.94 | 0.047 | 0.27 | <0.1 | 0.03 | 5.6 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| GP 13 EH 013 | 617203 | 5582300 | 1012 | VAN13001612 | 0.4 | 24.1 | 4.7 | 51 | <0.1 | 18.4 | 8.7 | 470 | 2.23 | 1.4 | <0.5 | 1.6 | 129 | <0.1 | 0.1 | <0.1 | 68 | 0.61 | 0.015 | 11 | 23 | 0.45 | 130 | 0.167 | 4 | 1.63 | 0.049 | 0.25 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 014 | 617225 | 5582300 | 1013 | VAN13001612 | 0.2 | 23.5 | 4.3 | 57 | <0.1 | 15.7 | 7.7 | 375 | 2.24 | 1.7 | <0.5 | 1.6 | 136 | <0.1 | 0.1 | <0.1 | 72 | 0.59 | 0.016 | 11 | 22 | 0.44 | 145 | 0.153 | 7 | 1.5 | 0.048 | 0.3 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 015 | 617250 | 5582300 | 1004 | VAN13001612 | 0.2 | 46.1 | 6.4 | 52 | <0.1 | 26.7 | 12.6 | 599 | 2.92 | 2.2 | 3 | 2.9 | 141 | 0.1 | 0.2 | <0.1 | 70 | 0.85 | 0.035 | 20 | 26 | 0.77 | 145 | 0.096 | 12 | 2.42 | 0.04 | 0.35 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 016 | 617276 | 5582300 | 1013 | VAN13001612 | 0.4 | 33.1 | 5.3 | 60 | <0.1 | 23.2 | 11.8 | 612 | 2.71 | 0.9 | 1.1 | 2.1 | 140 | 0.1 | 0.1 | <0.1 | 71 | 0.75 | 0.024 | 15 | 27 | 0.64 | 134 | 0.129 | 10 | 2.1 | 0.045 | 0.36 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| GP 13 EH 017 | 617301 | 5582299 | 1016 | VAN13001612 | 0.3 | 28.7 | 5 | 60 | <0.1 | 21.3 | 11 | 660 | 2.56 | 1.1 | <0.5 | 1.9 | 137 | <0.1 | 0.1 | <0.1 | 63 | 0.69 | 0.021 | 14 | 24 | 0.59 | 146 | 0.14 | 10 | 2.11 | 0.044 | 0.4 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 018 | 617325 | 5582300 | 1018 | VAN13001612 | 0.3 | 36.7 | 5.3 | 51 | <0.1 | 26.4 | 13 | 596 | 2.81 | 0.9 | 0.6 | 2.1 | 122 | <0.1 | 0.1 | 0.2 | 74 | 0.75 | 0.019 | 14 | 30 | 0.66 | 137 | 0.161 | 10 | 2.38 | 0.047 | 0.41 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| GP 13 EH 019 | 617350 | 5582299 | 1019 | VAN13001612 | 0.3 | 48.1 | 5.8 | 61 | <0.1 | 40.4 | 17.4 | 729 | 3.64 | 1.5 | 0.9 | 2.5 | 165 | 0.1 | 0.1 | 0.1 | 82 | 0.86 | 0.031 | 18 | 34 | 1.09 | 148 | 0.111 | 10 | 3.37 | 0.048 | 0.54 | <0.1 | 0.02 | 10.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 020 | 617373 | 5582300 | 1021 | VAN13001612 | 0.4 | 48.8 | 4.8 | 65 | <0.1 | 30.7 | 13.4 | 641 | 2.74 | 3 | 4 | 1.4 | 159 | 0.1 | 0.2 | <0.1 | 77 | 2.67 | 0.131 | 13 | 27 | 1.06 | 122 | 0.119 | 20 | 2.16 | 0.05 | 0.53 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | 1 | <0.2 |
| GP 13 EH 021 | 617400 | 5582300 | 1035 | VAN13001612 | 0.3 | 44.6 | 5.2 | 63 | <0.1 | 30.1 | 14.8 | 764 | 3.06 | 1.9 | 1.2 | 2.2 | 145 | <0.1 | 0.1 | <0.1 | 85 | 1.01 | 0.046 | 15 | 30 | 0.93 | 137 | 0.143 | 13 | 2.43 | 0.055 | 0.4 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 022 | 617425 | 5582300 | 1037 | VAN13001612 | 0.4 | 37.8 | 5.8 | 58 | <0.1 | 30 | 13.8 | 602 | 2.88 | 1.9 | 0.9 | 2.1 | 272 | 0.1 | 0.1 | <0.1 | 78 | 1 | 0.046 | 16 | 30 | 0.8 | 198 | 0.177 | 20 | 2.63 | 0.057 | 0.42 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| GP 13 EH 023 | 617450 | 5582300 | 1037 | VAN13001612 | 0.3 | 43.2 | 5.1 | 64 | <0.1 | 27.5 | 13.3 | 676 | 3 | 1.6 | 1.7 | 2 | 137 | 0.1 | 0.1 | <0.1 | 80 | 0.84 | 0.028 | 15 | 31 | 0.78 | 132 | 0.141 | 18 | 2.32 | 0.048 | 0.4 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 024 | 617476 | 5582299 | 1036 | VAN13001612 | 0.2 | 37.5 | 5 | 51 | <0.1 | 23.8 | 13 | 664 | 2.76 | 0.9 | 0.7 | 2.7 | 130 | <0.1 | 0.1 | <0.1 | 67 | 1.06 | 0.038 | 18 | 23 | 0.82 | 118 | 0.11 | 24 | 2.33 | 0.045 | 0.55 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 025 | 617500 | 5582300 | 1047 | VAN13001612 | 0.3 | 36.7 | 5.1 | 61 | <0.1 | 26.5 | 13.2 | 735 | 2.87 | 0.6 | <0.5 | 2.2 | 128 | <0.1 | 0.1 | <0.1 | 73 | 0.77 | 0.035 | 16 | 29 | 0.75 | 131 | 0.141 | 14 | 2.41 | 0.046 | 0.49 | <0.1 | 0.03 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 026 | 617525 | 5582299 | 1056 | VAN13001612 | 0.4 | 34.8 | 5.7 | 83 | <0.1 | 24.8 | 13.3 | 886 | 2.67 | 1 | <0.5 | 2 | 108 | 0.2 | <0.1 | 0.1 | 72 | 0.89 | 0.055 | 12 | 27 | 0.71 | 131 | 0.143 | 21 | 2.52 | 0.05 | 0.57 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 027 | 617550 | 5582300 | 1065 | VAN13001612 | 0.4 | 33.2 | 4.6 | 76 | <0.1 | 24 | 13.3 | 860 | 2.52 | <0.5 | 0.8 | 2.3 | 88 | 0.1 | <0.1 | <0.1 | 70 | 0.87 | 0.028 | 12 | 24 | 0.64 | 108 | 0.16 | 5 | 2.29 | 0.071 | 0.31 | <0.1 | 0.02 | 7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 028 | 617575 | 5582301 | 1083 | VAN13001612 | 0.4 | 39.5 | 4.8 | 55 | <0.1 | 30.2 | 14.9 | 557 | 3.43 | <0.5 | 1.3 | 2.7 | 96 | <0.1 | <0.1 | <0.1 | 92 | 0.96 | 0.034 | 18 | 32 | 1.17 | 92 | 0.174 | 3 | 3.24 | 0.065 | 0.2 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 8 | 0.7 | <0.2 |
| GP 13 EH 029 | 617599 | 5582299 | 1089 | VAN13001612 | 0.5 | 29.2 | 5.2 | 67 | <0.1 | 25 | 12.6 | 689 | 2.58 | 0.7 | <0.5 | 1.9 | 92 | <0.1 | 0.1 | <0.1 | 65 | 0.82 | 0.027 | 14 | 27 | 0.67 | 114 | 0.128 | 4 | 2.27 | 0.046 | 0.27 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 030 | 617625 | 5582300 | 1092 | VAN13001612 | 0.4 | 33.7 | 5.2 | 71 | <0.1 | 26.7 | 12.7 | 724 | 2.8 | 1 | 1.8 | 2 | 120 | 0.2 | 0.2 | <0.1 | 73 | 0.79 | 0.025 | 15 | 32 | 0.59 | 149 | 0.152 | 4 | 2.35 | 0.041 | 0.34 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 031 | 617649 | 5582300 | 1097 | VAN13001612 | 0.4 | 32.7 | 5.2 | 69 | <0.1 | 24.8 | 13.5 | 727 | 2.77 | 0.7 | 1.2 | 2 | 133 | 0.1 | 0.2 | <0.1 | 79 | 0.69 | 0.039 | 14 | 29 | 0.54 | 166 | 0.157 | 4 | 2.13 | 0.04 | 0.34 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 032 | 617626 | 5582250 | 1096 | VAN13001612 | 0.4 | 33.6 | 5.6 | 79 | <0.1 | 25.4 | 14.5 | 817 | 2.71 | 0.9 | 0.8 | 2.6 | 97 | 0.1 | <0.1 | <0.1 | 77 | 0.93 | 0.032 | 14 | 28 | 0.68 | 117 | 0.162 | 6 | 2.56 | 0.066 | 0.33 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| GP 13 EH 033 | 617601 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 EH 076 | 617025 | 5582450 | 1016 | VAN13001612 | 0.3 | 45.5 | 4.8 | 50 | <0.1 | 36 | 12.9 | 406 | 3.49 | 2.1 | <0.5 | 2.7 | 152 | 0.1 | 0.1 | <0.1 | 68 | 0.84 | 0.031 | 13 | 42 | 0.77 | 128 | 0.174 | 4 | 2.61 | 0.046 | 0.28 | <0.1 | 0.02 | 11.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 077 | 617049 | 5582450 | 1025 | VAN13001612 | 0.3 | 38.5 | 4.8 | 53 | <0.1 | 28.8 | 11.5 | 511 | 2.84 | 1.5 | 0.9 | 2.5 | 121 | <0.1 | 0.1 | <0.1 | 62 | 0.72 | 0.022 | 13 | 31 | 0.73 | 121 | 0.165 | 2 | 2.13 | 0.047 | 0.3 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 078 | 617074 | 5582450 | 1034 | VAN13001612 | 0.3 | 35.1 | 5.5 | 73 | <0.1 | 25.8 | 13.5 | 905 | 2.7 | 2.7 | <0.5 | 2.1 | 134 | 0.2 | 0.2 | <0.1 | 69 | 0.8 | 0.017 | 15 | 29 | 0.61 | 148 | 0.146 | 4 | 2.26 | 0.045 | 0.3 | <0.1 | 0.03 | 7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 079 | 617100 | 5582449 | 1036 | VAN13001612 | 0.3 | 36.7 | 5.3 | 66 | <0.1 | 27.6 | 11.5 | 633 | 2.78 | 1.8 | <0.5 | 2 | 119 | <0.1 | 0.1 | <0.1 | 67 | 0.78 | 0.027 | 13 | 32 | 0.68 | 143 | 0.172 | 7 | 2.43 | 0.041 | 0.43 | <0.1 | 0.01 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 080 | 617125 | 5582450 | 1042 | VAN13001612 | 0.3 | 40.2 | 5.6 | 62 | <0.1 | 32.7 | 13.4 | 621 | 2.99 | 2 | <0.5 | 2.2 | 122 | 0.1 | 0.1 | <0.1 | 72 | 0.75 | 0.021 | 14 | 37 | 0.74 | 142 | 0.185 | 4 | 2.58 | 0.041 | 0.35 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 081 | 617625 | 5582451 | 1090 | VAN13001612 | 0.4 | 41.3 | 4.9 | 59 | <0.1 | 25.2 | 12.5 | 593 | 2.94 | 2.1 | <0.5 | 2.1 | 130 | 0.1 | 0.1 | <0.1 | 65 | 0.89 | 0.028 | 18 | 27 | 0.71 | 121 | 0.142 | 8 | 2.35 | 0.042 | 0.35 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 082 | 617600 | 5582450 | 1088 | VAN13001612 | 0.5 | 38.2 | 5.1 | 75 | <0.1 | 26.3 | 13.2 | 850 | 2.95 | 2 | <0.5 | 2.2 | 120 | 0.1 | 0.1 | <0.1 | 71 | 0.76 | 0.028 | 17 | 29 | 0.65 | 146 | 0.126 | 9 | 2.21 | 0.036 | 0.4 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 083 | 617575 | 5582449 | 1087 | VAN13001612 | 0.4 | 35.8 | 5.3 | 65 | <0.1 | 23.8 | 11.9 | 637 | 3.02 | 2.7 | 1.2 | 2.3 | 129 | 0.1 | 0.2 | 0.2 | 77 | 0.82 | 0.026 | 17 | 27 | 0.63 | 132 | 0.137 | 7 | 2.52 | 0.047 | 0.33 | <0.1 | 0.02 | 8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 084 | 617549 | 5582450 | 1083 | VAN13001612 | 0.4 | 41.1 | 5.3 | 73 | <0.1 | 30.4 | 13.4 | 626 | 3.2 | 3 | 0.8 | 2.1 | 114 | 0.1 | 0.2 | 0.1 | 76 | 0.78 | 0.025 | 16 | 37 | 0.74 | 134 | 0.161 | 7 | 2.79 | 0.043 | 0.35 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 085 | 617525 | 5582450 | 1084 | VAN13001612 | 0.4 | 42 | 5.3 | 78 | <0.1 | 27.4 | 14.4 | 658 | 2.97 | 3.2 | 0.7 | 2 | 132 | 0.1 | 0.1 | <0.1 | 81 | 0.96 | 0.029 | 14 | 28 | 1.01 | 125 | 0.151 | 12 | 2.45 | 0.068 | 0.34 | <0.1 | 0.01 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 086 | 617501 | 5582449 | 1076 | VAN13001612 | 0.4 | 34.9 | 5.7 | 94 | <0.1 | 23 | 13 | 707 | 2.36 | 7.9 | 3.6 | 1.1 | 163 | 0.2 | <0.1 | <0.1 | 78 | 1.24 | 0.049 | 13 | 28 | 0.98 | 140 | 0.129 | 16 | 2.36 | 0.083 | 0.25 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 087 | 617475 | 5582450 | 1075 | VAN13001612 | 0.2 | 29.4 | 5.5 | 79 | <0.1 | 20.5 | 11.5 | 562 | 2.39 | 4.8 | <0.5 | 1.6 | 147 | <0.1 | <0.1 | <0.1 | 70 | 0.96 | 0.021 | 12 | 26 | 1.02 | 110 | 0.149 | 15 | 2.14 | 0.12 | 0.3 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 088 | 617451 | 5582451 | 1075 | VAN13001612 | 0.3 | 43.9 | 5.8 | 62 | <0.1 | 27.2 | 13.5 | 627 | 3.38 | 2.3 | <0.5 | 2.6 | 144 | 0.1 | 0.1 | <0.1 | 80 | 0.83 | 0.028 | 16 | 30 | 0.77 | 138 | 0.151 | 13 | 2.88 | 0.046 | 0.47 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 089 | 617425 | 5582450 | 1068 | VAN13001612 | 0.4 | 32.4 | 4.4 | 64 | <0.1 | 23.3 | 11.8 | 588 | 2.73 | 1.9 | <0.5 | 1.7 | 113 | 0.1 | 0.1 | <0.1 | 78 | 0.72 | 0.033 | 13 | 26 | 0.57 | 122 | 0.146 | 14 | 2.04 | 0.044 | 0.32 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 090 | 617400 | 5582450 | 1065 | VAN13001612 | 0.2 | 38.7 | 5.1 | 54 | <0.1 | 25.4 | 13.5 | 693 | 2.97 | 2.3 | 1.8 | 2.1 | 165 | <0.1 | 0.2 | <0.1 | 76 | 0.9 | 0.039 | 16 | 26 | 0.73 | 145 | 0.11 | 6 | 2.3 | 0.055 | 0.22 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| GP 13 EH 091 | 617375 | 5582451 | 1065 | VAN13001612 | 0.5 | 31.8 | 5.6 | 63 | <0.1 | 23.5 | 13 | 708 | 2.76 | 2.1 | <0.5 | 2.2 | 124 | <0.1 | 0.2 | <0.1 | 64 | 0.74 | 0.022 | 15 | 27 | 0.59 | 141 | 0.148 | 5 | 2.35 | 0.043 | 0.3 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 092 | 617349 | 5582450 | 1064 | VAN13001612 | 0.4 | 26.4 | 5.3 | 63 | <0.1 | 20.1 | 10.3 | 642 | 2.27 | 1.8 | <0.5 | 1.7 | 105 | <0.1 | <0.1 | <0.1 | 61 | 0.66 | 0.021 | 12 | 26 | 0.49 | 135 | 0.165 | 4 | 1.89 | 0.041 | 0.26 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 093 | 617326 | 5582450 | 1057 | VAN13001612 | 0.3 | 24.6 | 4.4 | 63 | <0.1 | 17.1 | 9.2 | 521 | 2.25 | 1.8 | <0.5 | 1.6 | 115 | 0.1 | 0.1 | <0.1 | 64 | 0.66 | 0.02 | 12 | 24 | 0.46 | 127 | 0.166 | 6 | 1.75 | 0.045 | 0.28 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 094 | 617301 | 5582449 | 1061 | VAN13001612 | 0.2 | 21.7 | 4.3 | 60 | <0.1 | 14.1 | 7.7 | 359 | 2.25 | 1.9 | <0.5 | 1.5 | 108 | <0.1 | <0.1 | <0.1 | 56 | 0.58 | 0.017 | 10 | 20 | 0.49 | 111 | 0.156 | 5 | 1.74 | 0.037 | 0.28 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 095 | 617275 | 5582450 | 1062 | VAN13001612 | 0.3 | 29.8 | 4.2 | 57 | <0.1 | 16.9 | 9.1 | 410 | 2.57 | 2 | 1.9 | 1.9 | 109 | <0.1 | 0.1 | 0.1 | 63 | 0.62 | 0.018 | 11 | 24 | 0.54 | 110 | 0.162 | 5 | 1.98 | 0.039 | 0.26 | <0.1 | <0.01 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 096 | 617250 | 5582451 | 1074 | VAN13001612 | 0.3 | 51.9 | 4.8 | 55 | <0.1 | 24.3 | 11.2 | 441 | 3.31 | 2.1 | <0.5 | 2.7 | 157 | 0.1 | 0.1 | <0.1 | 76 | 1.07 | 0.042 | 16 | 30 | 0.79 | 105 | 0.16 | 7 | 2.63 | 0.047 | 0.32 | <0.1 | 0.02 | 10.5 | <0.1 | <0.05 | 8 | 0.5 | <0.2 |
| GP 13 EH 097 | 617226 | 5582449 | 1071 | VAN13001612 | 0.3 | 34.2 | 4.8 | 79 | <0.1 | 20.2 | 10.3 | 501 | 2.78 | 2 | <0.5 | 1.9 | 125 | <0.1 | 0.1 | <0.1 | 75 | 0.79 | 0.054 | 14 | 28 | 0.63 | 133 | 0.16 | 5 | 2.27 | 0.05 | 0.21 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 098 | 617200 | 5582450 | 1070 | VAN13001612 | 0.3 | 33.6 | 5.4 | 80 | <0.1 | 19.8 | 12 | 790 | 2.67 | 3.3 | 4.5 | 2.2 | 92 | 0.2 | 0.1 | <0.1 | 67 | 0.84 | 0.039 | 15 | 30 | 0.7 | 139 | 0.132 | 5 | 2.57 | 0.039 | 0.27 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 099 | 617173 | 5582449 | 1057 | VAN13001612 | 0.3 | 33 | 5.3 | 78 | <0.1 | 20.7 | 10.5 | 534 | 2.73 | 3.7 | <0.5 | 2.2 | 108 | 0.1 | 0.2 | <0.1 | 60 | 0.84 | 0.066 | 13 | 29 | 0.62 | 144 | 0.133 | 6 | 2.94 | 0.038 | 0.28 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 100 | 617151 | 5582450 | 1055 | VAN13001612 | 0.3 | 31.5 | 5.5 | 59 | <0.1 | 22.1 | 10.2 | 541 | 2.58 | 1.9 | 3.9 | 2.2 | 119 | <0.1 | 0.2 | <0.1 | 63 | 0.7 | 0.019 | 14 | 30 | 0.57 | 155 | 0.183 | 5 | 2.14 | 0.047 | 0.3 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 101 | 616901 | 5582550 | 992 | VAN13001612 | 0.5 | 40.4 | 5.9 | 75 | <0.1 | 39.1 | 16.7 | 844 | 2.97 | 1.6 | <0.5 | 2.2 | 128 | 0.1 | 0.1 | <0.1 | 88 | 0.97 | 0.038 | 11 | 51 | 1.05 | 137 | 0.272 | 3 | 2.28 | 0.044 | 0.29 | <0.1 | 0.04 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 102 | 616923 | 5582549 | 1007 | VAN13001612 | 0.4 | 39.8 | 6.5 | 63 | <0.1 | 38.9 | 16.8 | 763 | 2.94 | 2.3 | <0.5 | 1.8 | 125 | <0.1 | 0.1 | <0.1 | 83 | 0.98 | 0.047 | 9 | 57 | 1.16 | 132 | 0.272 | 1 | 2.11 | 0.05 | 0.21 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 103 | 616951 | 5582550 | 1017 | VAN13001612 | 0.4 | 42.3 | 4.5 | 63 | <0.1 | 35.8 | 13.5 | 501 | 3.24 | 1.9 | <0.5 | 2.7 | 104 | 0.1 | <0.1 | <0.1 | 67 | 0.82 | 0.024 | 13 | 51 | 0.85 | 120 | 0.154 | 7 | 2.88 | 0.044 | 0.41 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 104 | 616975 | 5582550 | 1023 | VAN13001612 | 0.3 | 37.4 | 4 | 61 | <0.1 | 32.5 | 12.5 | 509 | 2.93 | 1.8 | <0.5 | 2.5 | 125 | <0.1 | 0.1 | <0.1 | 68 | 0.9 | 0.026 | 11 | 50 | 0.9 | 124 | 0.175 | 5 | 2.44 | 0.047 | 0.42 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 105 | 616999 | 5582550 | 1033 | VAN13001612 | 0.2 | 45.4 | 4 | 56 | <0.1 | 41.2 | 16.6 | 539 | 3.45 | 1.4 | <0.5 | 2.8 | 145 | 0.1 | <0.1 | <0.1 | 80 | 1.09 | 0.025 | 12 | 63 | 1.43 | 119 | 0.182 | 5 | 2.85 | 0.071 | 0.26 | <0.1 | 0.01 | 10.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 106 | 617024 | 5582550 | 1046 | VAN13001612 | 0.4 | 44.1 | 7.9 | 68 | <0.1 | 47.3 | 19.6 | 840 | 3.51 | 2.1 | <0.5 | 2.7 | 176 | 0.2 | 0.1 | <0.1 | 74 | 1.21 | 0.039 | 10 | 74 | 1.5 | 151 | 0.236 | 10 | 2.75 | 0.063 | 0.38 | <0.1 | 0.03 | 10.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 107 | 617050 | 5582550 | 1056 | VAN13001612 | 0.2 | 54.4 | 4.4 | 47 | <0.1 | 40.3 | 14 | 385 | 3.66 | 0.6 | 1 | 3 | 169 | <0.1 | <0.1 | 0.1 | 73 | 1.02 | 0.03 | 15 | 66 | 1.21 | 135 | 0.214 | 7 | 2.85 | 0.07 | 0.23 | <0.1 | 0.02 | 11.9 | <0.1 | <0. | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te | |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|--|
| GP 13 EH 226 | 617550 | 5582850 | 1159 | VAN13001612 | 0.4 | 27.6 | 4.8 | 90 | <0.1 | 22.2 | 9.7 | 628 | 2.5 | 2.1 | <0.5 | 1.6 | 80 | <0.1 | 0.1 | 0.1 | 63 | 0.55 | 0.024 | 10 | 28 | 0.51 | 135 | 0.139 | 3 | 2.2 | 0.033 | 0.26 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 227 | 617574 | 5582850 | 1165 | VAN13001612 | 0.5 | 35.3 | 5.4 | 61 | <0.1 | 29.4 | 13.5 | 438 | 3.05 | 2.8 | 2.2 | 2.1 | 100 | 0.1 | 0.2 | 0.1 | 73 | 0.64 | 0.037 | 14 | 37 | 0.61 | 139 | 0.155 | 5 | 2.68 | 0.033 | 0.32 | <0.1 | 0.02 | 8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | |
| GP 13 EH 228 | 617600 | 5582850 | 1165 | VAN13001612 | 0.5 | 21.3 | 4.6 | 93 | <0.1 | 16 | 7.2 | 579 | 2.19 | 2.2 | <0.5 | 1.5 | 80 | <0.1 | <0.1 | <0.1 | 51 | 0.6 | 0.027 | 6 | 24 | 0.38 | 146 | 0.125 | 4 | 1.95 | 0.028 | 0.19 | <0.1 | 0.01 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| GP 13 EH 229 | 617625 | 5582850 | 1174 | VAN13001612 | 0.6 | 24.5 | 5.4 | 80 | <0.1 | 17.8 | 9.6 | 697 | 2.59 | 2.9 | <0.5 | 2.1 | 109 | 0.1 | 0.1 | <0.1 | 59 | 0.72 | 0.03 | 15 | 26 | 0.44 | 154 | 0.097 | 4 | 2.34 | 0.032 | 0.15 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 230 | 617650 | 5582850 | 1174 | VAN13001612 | 0.4 | 37.1 | 5.1 | 66 | <0.1 | 21.5 | 10.8 | 429 | 3.04 | 2.8 | 0.6 | 2.5 | 104 | <0.1 | 0.2 | <0.1 | 65 | 0.67 | 0.027 | 15 | 34 | 0.52 | 147 | 0.111 | 3 | 2.73 | 0.035 | 0.16 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | |
| GP 13 EH 231 | 617675 | 5582850 | 1168 | VAN13001612 | 0.5 | 21.1 | 4.5 | 105 | <0.1 | 17.6 | 8.8 | 637 | 2.31 | 2.1 | 0.9 | 1.5 | 78 | <0.1 | 0.1 | <0.1 | 55 | 0.62 | 0.023 | 8 | 25 | 0.39 | 135 | 0.125 | 5 | 2.12 | 0.03 | 0.16 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 232 | 617700 | 5582750 | 1136 | VAN13001612 | 0.7 | 19.6 | 4.3 | 54 | <0.1 | 14 | 8.6 | 375 | 2.16 | 1.6 | 3.4 | 1.3 | 75 | <0.1 | <0.1 | <0.1 | 60 | 0.58 | 0.037 | 7 | 24 | 0.4 | 113 | 0.139 | 10 | 1.61 | 0.037 | 0.27 | <0.1 | 0.02 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| GP 13 EH 233 | 617725 | 5582750 | 1135 | VAN13001612 | 0.4 | 32.1 | 5.1 | 55 | <0.1 | 24.7 | 11.7 | 505 | 2.72 | 1.9 | 2.1 | 1.8 | 75 | 0.2 | 0.1 | <0.1 | 68 | 0.74 | 0.02 | 13 | 28 | 0.54 | 100 | 0.113 | 10 | 2.3 | 0.043 | 0.29 | <0.1 | 0.01 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 234 | 617750 | 5582753 | 1150 | VAN13001612 | 0.3 | 29.5 | 4.5 | 49 | <0.1 | 26.2 | 11.9 | 457 | 2.9 | 1.8 | 1.1 | 2.1 | 99 | 0.2 | <0.1 | <0.1 | 72 | 0.9 | 0.022 | 15 | 27 | 0.57 | 108 | 0.12 | 12 | 2.36 | 0.05 | 0.28 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 6 | 0.5 | <0.2 | |
| GP 13 EH 235 | 617776 | 5582749 | 1151 | VAN13001612 | 0.5 | 40.8 | 5.3 | 76 | <0.1 | 28.6 | 13.3 | 724 | 3.18 | 1.5 | <0.5 | 2.2 | 120 | 0.1 | 0.1 | <0.1 | 71 | 0.79 | 0.042 | 14 | 34 | 0.64 | 149 | 0.132 | 8 | 2.65 | 0.032 | 0.41 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | |
| GP 13 EH 236 | 617800 | 5582750 | 1164 | VAN13001612 | 0.3 | 24.8 | 4.7 | 95 | <0.1 | 16.1 | 8.9 | 709 | 2.48 | 1.3 | <0.5 | 1.7 | 116 | 0.2 | 0.1 | <0.1 | 61 | 0.67 | 0.03 | 11 | 23 | 0.45 | 142 | 0.135 | 5 | 2.02 | 0.03 | 0.33 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| GP 13 EH 237 | 617824 | 5582751 | 1165 | VAN13001612 | 0.4 | 27 | 5.4 | 63 | <0.1 | 19.2 | 9.6 | 581 | 2.53 | 1.2 | 2 | 1.7 | 107 | <0.1 | 0.1 | <0.1 | 68 | 0.62 | 0.03 | 12 | 28 | 0.45 | 135 | 0.145 | 5 | 1.92 | 0.033 | 0.34 | <0.1 | 0.01 | 5.9 | <0.1 | <0.05 | 5 | 0.5 | <0.2 | |
| GP 13 EH 238 | 617851 | 5582750 | 1172 | VAN13001612 | 0.5 | 29.2 | 5.3 | 70 | <0.1 | 24.2 | 11.2 | 517 | 2.87 | 1.1 | 0.9 | 1.9 | 117 | 0.1 | 0.2 | <0.1 | 72 | 0.69 | 0.029 | 13 | 35 | 0.55 | 142 | 0.156 | 3 | 2.46 | 0.04 | 0.23 | <0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 239 | 617875 | 5582750 | 1177 | VAN13001612 | 0.3 | 40.7 | 5.1 | 75 | <0.1 | 31 | 15.9 | 609 | 3.5 | 1.7 | 1.5 | 2.1 | 150 | 0.2 | 0.1 | <0.1 | 83 | 0.8 | 0.04 | 15 | 38 | 0.73 | 158 | 0.141 | 4 | 3.19 | 0.051 | 0.26 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | |
| GP 13 EH 240 | 617899 | 5582750 | 1184 | VAN13001612 | 0.5 | 31.2 | 5.1 | 72 | <0.1 | 25.7 | 11.9 | 600 | 2.82 | 1.2 | 4.3 | 2.1 | 89 | <0.1 | 0.1 | <0.1 | 68 | 0.64 | 0.021 | 12 | 32 | 0.58 | 125 | 0.155 | 3 | 2.46 | 0.04 | 0.24 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 241 | 617926 | 5582750 | 1196 | VAN13001612 | 0.6 | 27.5 | 4.5 | 78 | <0.1 | 20.1 | 10 | 507 | 2.48 | 1.6 | 1.7 | 1.6 | 74 | <0.1 | <0.1 | <0.1 | 61 | 0.58 | 0.032 | 9 | 28 | 0.53 | 119 | 0.134 | 3 | 2.18 | 0.037 | 0.21 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 242 | 617950 | 5582750 | 1210 | VAN13001612 | 0.3 | 24.2 | 4.6 | 82 | <0.1 | 18.4 | 7.8 | 365 | 2.39 | 1.7 | <0.5 | 1.7 | 81 | 0.2 | <0.1 | 0.4 | 50 | 0.64 | 0.037 | 8 | 25 | 0.46 | 124 | 0.123 | 8 | 2.14 | 0.029 | 0.35 | <0.1 | 0.02 | 6.2 | 0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| GP 13 EH 243 | 617975 | 5582750 | 1222 | VAN13001612 | 0.4 | 37.5 | 4.7 | 82 | <0.1 | 27.3 | 15.4 | 738 | 3.26 | 1.3 | 3.2 | 2.2 | 137 | 0.1 | 0.1 | 0.2 | 91 | 0.8 | 0.035 | 20 | 29 | 0.68 | 179 | 0.148 | 3 | 2.57 | 0.058 | 0.18 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 244 | 618000 | 5582752 | 1226 | VAN13001612 | 0.5 | 31.6 | 5 | 65 | <0.1 | 24.7 | 14.9 | 875 | 2.9 | 1.1 | 1.1 | 2.1 | 138 | 0.2 | 0.2 | <0.1 | 77 | 0.78 | 0.029 | 16 | 25 | 0.67 | 148 | 0.137 | 3 | 2.39 | 0.048 | 0.3 | <0.1 | 0.03 | 7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 245 | 618026 | 5582750 | 1224 | VAN13001612 | 0.5 | 41.1 | 5.1 | 83 | <0.1 | 36.4 | 17.4 | 761 | 3.33 | 0.9 | <0.5 | 2.7 | 120 | 0.2 | 0.1 | 0.1 | 72 | 0.9 | 0.034 | 22 | 37 | 0.76 | 156 | 0.118 | 5 | 2.99 | 0.035 | 0.29 | <0.1 | 0.02 | 9.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | |
| GP 13 EH 246 | 618050 | 5582750 | 1221 | VAN13001612 | 0.3 | 35.3 | 4.8 | 76 | <0.1 | 27.3 | 13.8 | 613 | 3.21 | 0.7 | <0.5 | 2.9 | 93 | 0.1 | <0.1 | <0.1 | 87 | 0.79 | 0.037 | 17 | 26 | 0.73 | 104 | 0.194 | 5 | 2.38 | 0.054 | 0.28 | <0.1 | 0.03 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 247 | 618076 | 5582748 | 1219 | VAN13001612 | 0.6 | 37.4 | 6 | 128 | <0.1 | 23 | 9.5 | 1270 | 2.1 | 1.7 | 2.2 | 1.4 | 148 | 0.2 | 0.1 | <0.1 | 38 | 1.85 | 0.147 | 9 | 19 | 0.53 | 343 | 0.073 | 18 | 1.87 | 0.029 | 0.38 | <0.1 | 0.1 | 5.6 | <0.1 | <0.05 | 5 | 0.6 | <0.2 | |
| GP 13 EH 248 | 618070 | 5582852 | 1222 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 249 | 618050 | 5582850 | 1224 | VAN13001612 | 0.6 | 33.8 | 4.9 | 107 | <0.1 | 26.8 | 13.8 | 1335 | 2.69 | 1.1 | <0.5 | 1.8 | 100 | 0.1 | 0.1 | <0.1 | 61 | 0.77 | 0.035 | 9 | 31 | 0.56 | 194 | 0.13 | 6 | 2.57 | 0.037 | 0.2 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | |
| GP 13 EH 250 | 617950 | 5582850 | 1214 | VAN13001612 | 0.3 | 29.2 | 5.6 | 76 | <0.1 | 25.2 | 12.2 | 808 | 2.77 | 0.8 | 1.1 | 1.9 | 106 | 0.1 | 0.1 | <0.1 | 77 | 0.72 | 0.022 | 14 | 33 | 0.49 | 129 | 0.157 | 5 | 2.19 | 0.043 | 0.32 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | 0.5 | <0.2 | |
| GP 13 EH 251 | 617925 | 5582851 | 1210 | VAN13001611 | 0.1 | 45.5 | 5.6 | 63 | 0.1 | 37.8 | 16.8 | 580 | 3.84 | 0.5 | <0.5 | 2.2 | 154 | <0.1 | <0.1 | <0.1 | 87 | 1.07 | 0.047 | 18 | 35 | 0.95 | 122 | 0.107 | 8 | 3.65 | 0.041 | 0.27 | <0.1 | 0.04 | 10.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | |
| GP 13 EH 252 | 617899 | 5582851 | 1198 | VAN13001611 | 0.2 | 52.6 | 5.5 | 81 | 0.1 | 49.3 | 21.6 | 920 | 4.22 | 0.5 | <0.5 | 2.2 | 149 | <0.1 | <0.1 | <0.1 | 93 | 1.09 | 0.039 | 19 | 41 | 0.96 | 150 | 0.077 | 5 | 4.46 | 0.03 | 0.48 | <0.1 | 0.03 | 13.1 | <0.1 | <0.05 | 10 | <0.5 | <0.2 | |
| GP 13 EH 253 | 617875 | 5582850 | 1197 | VAN13001611 | 0.3 | 21.7 | 4.7 | 56 | <0.1 | 17 | 8.7 | 420 | 2.47 | <0.5 | 0.7 | 1.8 | 172 | <0.1 | <0.1 | <0.1 | 72 | 0.66 | 0.035 | 13 | 24 | 0.44 | 165 | 0.162 | 6 | 1.95 | 0.035 | 0.28 | <0.1 | 0.03 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| GP 13 EH 254 | 617850 | 5582850 | 1190 | VAN13001611 | 0.3 | 24.5 | 7.1 | 94 | <0.1 | 18 | 10.9 | 1066 | 2.3 | 0.9 | <0.5 | 1.6 | 92 | <0.1 | <0.1 | <0.1 | 69 | 0.67 | 0.026 | 10 | 24 | 0.42 | 162 | 0.164 | 6 | 2.23 | 0.026 | 0.23 | <0.1 | 0.03 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 255 | 617826 | 5582850 | 1183 | VAN13001611 | 0.2 | 37.9 | 6.9 | 64 | 0.1 | 14.8 | 10.8 | 438 | 3.44 | <0.5 | <0.5 | 2.9 | 89 | 0.1 | <0.1 | 0.1 | 93 | 0.69 | 0.03 | 19 | 19 | 0.64 | 74 | 0.201 | 2 | 2.31 | 0.037 | 0.16 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | |
| GP 13 EH 256 | 617800 | 5582850 | 1174 | VAN13001611 | 0.6 | 19.5 | 4.8 | 104 | <0.1 | 13.4 | 7.6 | 1060 | 1.82 | <0.5 | <0.5 | 1.2 | 64 | <0.1 | <0.1 | <0.1 | 45 | 0.53 | 0.023 | 7 | 16 | 0.39 | 128 | 0.137 | 3 | 1.69 | 0.027 | 0.17 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| GP 13 EH 257 | 617774 | 5582851 | 1170 | VAN13001611 | 0.3 | 27.5 | 5.7 | 78 | <0.1 | 19.6 | 10.6 | 844 | 2.54 | 1.5 | 1 | 1.8 | 121 | <0.1 | <0.1 | <0.1 | 61 | 0.83 | 0.037 | 14 | 26 | 0.5 | 150 | 0.117 | 9 | 2.3 | 0.03 | 0.29 | <0.1 | 0.05 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| GP 13 EH 258 | 617750 | 5582850 | 1168 | VAN13001611 | 0.5 | 21.8 | 4.7 | 71 | <0.1 | 16.8 | 8.8 | 528 | 2.42 | 1 | 1.1 | 1.8 | 107 | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 EH 301 | 616950 | 5583050 | 978 | VAN13001611 | 0.2 | 40.1 | 6.1 | 62 | <0.1 | 25.3 | 12.1 | 523 | 2.84 | 1.1 | 1.2 | 1.4 | 205 | <0.1 | <0.1 | <0.1 | 89 | 0.83 | 0.032 | 13 | 33 | 0.74 | 196 | 0.252 | 4 | 2.39 | 0.058 | 0.26 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 302 | 616975 | 5583050 | 997 | VAN13001611 | 0.2 | 45.1 | 5.8 | 64 | <0.1 | 33.1 | 14 | 554 | 3.39 | 1.4 | 1.4 | 1.6 | 205 | <0.1 | <0.1 | <0.1 | 96 | 0.95 | 0.036 | 15 | 48 | 1.19 | 174 | 0.242 | 5 | 3.03 | 0.071 | 0.22 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 303 | 617001 | 5583050 | 998 | VAN13001611 | 0.4 | 27.7 | 4.4 | 84 | <0.1 | 24.4 | 10.8 | 587 | 2.53 | 1.3 | 4.7 | 1.5 | 76 | 0.2 | <0.1 | <0.1 | 54 | 0.66 | 0.025 | 8 | 26 | 0.56 | 119 | 0.157 | 5 | 2.23 | 0.027 | 0.26 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 304 | 617025 | 5583050 | 1002 | VAN13001611 | 0.3 | 37.5 | 3.5 | 87 | <0.1 | 31.5 | 13.5 | 511 | 2.91 | 2.2 | <0.5 | 2.2 | 79 | <0.1 | <0.1 | <0.1 | 51 | 0.72 | 0.026 | 12 | 35 | 0.91 | 102 | 0.145 | 8 | 2.26 | 0.026 | 0.33 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 305 | 617050 | 5583050 | 1017 | VAN13001611 | 0.1 | 59.4 | 3.1 | 53 | 0.2 | 37.5 | 15.5 | 425 | 2.89 | 2 | 0.8 | 2.5 | 50 | <0.1 | <0.1 | <0.1 | 39 | 1 | 0.083 | 14 | 34 | 0.93 | 40 | 0.048 | 4 | 1.6 | 0.021 | 0.04 | <0.1 | 0.04 | 8.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 306 | 617075 | 5583050 | 1030 | VAN13001611 | 0.3 | 48.4 | 4.5 | 61 | <0.1 | 33.1 | 13.1 | 374 | 3.58 | 1.2 | 2.5 | 2.4 | 108 | <0.1 | 0.1 | <0.1 | 73 | 0.87 | 0.04 | 13 | 34 | 0.92 | 105 | 0.208 | 6 | 2.67 | 0.037 | 0.22 | <0.1 | 0.02 | 10 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 307 | 617101 | 5583048 | 1047 | VAN13001611 | 0.2 | 46.1 | 4.1 | 60 | <0.1 | 30.1 | 11.9 | 331 | 3.45 | 1.2 | 0.7 | 2.3 | 121 | 0.1 | <0.1 | <0.1 | 78 | 0.93 | 0.035 | 18 | 40 | 0.9 | 94 | 0.239 | 4 | 2.68 | 0.04 | 0.19 | <0.1 | 0.01 | 10.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 308 | 617124 | 5583050 | 1057 | VAN13001611 | 0.3 | 29.2 | 5.2 | 84 | <0.1 | 19.1 | 11.7 | 710 | 2.78 | 1 | <0.5 | 1.7 | 107 | 0.2 | 0.1 | <0.1 | 63 | 0.82 | 0.029 | 12 | 23 | 0.55 | 124 | 0.192 | 7 | 2.31 | 0.03 | 0.28 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 309 | 617150 | 5583050 | 1068 | VAN13001611 | 0.3 | 22.8 | 3.9 | 81 | <0.1 | 16.3 | 8 | 367 | 2.47 | 0.8 | 0.9 | 1.5 | 86 | <0.1 | <0.1 | <0.1 | 54 | 0.68 | 0.027 | 10 | 20 | 0.46 | 96 | 0.183 | 3 | 2.13 | 0.033 | 0.19 | <0.1 | 0.01 | 6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 310 | 617175 | 5583049 | 1084 | VAN13001611 | 0.3 | 33.4 | 4.3 | 69 | <0.1 | 18.9 | 10.2 | 459 | 2.9 | 1 | 1.2 | 2 | 109 | 0.1 | <0.1 | <0.1 | 65 | 0.73 | 0.028 | 14 | 23 | 0.55 | 105 | 0.21 | 4 | 2.27 | 0.034 | 0.24 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 311 | 617200 | 5583049 | 1093 | VAN13001611 | 0.2 | 34.6 | 5.2 | 74 | <0.1 | 22.6 | 11.5 | 494 | 2.97 | 1.6 | 1 | 1.9 | 130 | <0.1 | 0.1 | <0.1 | 66 | 0.9 | 0.045 | 16 | 26 | 0.59 | 124 | 0.164 | 6 | 2.78 | 0.031 | 0.22 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 312 | 617225 | 5583050 | 1090 | VAN13001611 | 0.3 | 34.3 | 5.2 | 67 | <0.1 | 23.7 | 11.9 | 468 | 2.97 | 0.9 | 0.9 | 1.9 | 94 | <0.1 | 0.1 | <0.1 | 68 | 0.68 | 0.022 | 14 | 29 | 0.63 | 144 | 0.162 | 2 | 2.62 | 0.033 | 0.19 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 313 | 617250 | 5583050 | 1110 | VAN13001611 | 0.6 | 32.9 | 5.6 | 80 | <0.1 | 26.5 | 12.3 | 513 | 2.96 | 1.8 | 1.8 | 1.9 | 109 | 0.2 | 0.2 | <0.1 | 65 | 0.8 | 0.062 | 12 | 34 | 0.64 | 167 | 0.152 | 4 | 2.92 | 0.034 | 0.15 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 314 | 617275 | 5583050 | 1120 | VAN13001611 | 0.4 | 30.1 | 6.2 | 80 | <0.1 | 21.7 | 12.5 | 700 | 2.78 | 1.4 | <0.5 | 2 | 97 | 0.1 | 0.1 | <0.1 | 64 | 0.7 | 0.056 | 12 | 28 | 0.49 | 167 | 0.14 | 5 | 2.81 | 0.028 | 0.24 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 315 | 617302 | 5583050 | 1121 | VAN13001611 | 0.4 | 30.9 | 5 | 65 | <0.1 | 21.4 | 11.2 | 464 | 2.89 | 1 | 0.8 | 2 | 108 | 0.1 | 0.2 | <0.1 | 59 | 0.8 | 0.027 | 15 | 25 | 0.62 | 124 | 0.117 | 5 | 2.4 | 0.036 | 0.2 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 316 | 617323 | 5583053 | 1126 | VAN13001611 | 0.4 | 26.5 | 4.7 | 88 | <0.1 | 20.9 | 9.3 | 660 | 2.45 | 1.6 | <0.5 | 1.4 | 81 | 0.1 | 0.2 | <0.1 | 54 | 0.68 | 0.034 | 9 | 26 | 0.49 | 152 | 0.131 | 4 | 2.38 | 0.029 | 0.11 | <0.1 | 0.03 | 6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 317 | 617350 | 5583050 | 1135 | VAN13001611 | 0.5 | 33.2 | 5.2 | 69 | <0.1 | 24.2 | 12.7 | 491 | 2.9 | 2.2 | <0.5 | 1.9 | 106 | 0.1 | 0.2 | <0.1 | 64 | 0.76 | 0.04 | 12 | 29 | 0.59 | 151 | 0.128 | 7 | 2.78 | 0.031 | 0.17 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 318 | 617374 | 5583054 | 1138 | VAN13001611 | 0.7 | 30.1 | 5.4 | 70 | <0.1 | 25.1 | 12.8 | 686 | 2.79 | 3.2 | 0.9 | 1.7 | 87 | <0.1 | 0.1 | 0.2 | 62 | 0.71 | 0.029 | 10 | 32 | 0.55 | 172 | 0.123 | 4 | 2.76 | 0.024 | 0.15 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 319 | 617400 | 5583051 | 1142 | VAN13001611 | 0.5 | 30.4 | 5.6 | 77 | <0.1 | 21.2 | 11.8 | 661 | 2.68 | 1.5 | <0.5 | 1.8 | 88 | 0.2 | 0.1 | 0.1 | 63 | 0.64 | 0.027 | 10 | 29 | 0.55 | 150 | 0.127 | 2 | 2.6 | 0.028 | 0.16 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 320 | 617425 | 5583050 | 1142 | VAN13001611 | 0.6 | 25.2 | 4.8 | 97 | <0.1 | 21.3 | 9.8 | 703 | 2.35 | 2.2 | <0.5 | 1.4 | 77 | 0.1 | 0.1 | 0.1 | 58 | 0.56 | 0.029 | 8 | 25 | 0.45 | 190 | 0.127 | 2 | 2.28 | 0.026 | 0.17 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 321 | 617450 | 5583051 | 1137 | VAN13001611 | 0.6 | 34.4 | 5.5 | 94 | <0.1 | 25 | 11.8 | 1010 | 2.68 | 3.4 | <0.5 | 1.6 | 84 | 0.1 | 0.2 | 0.1 | 59 | 0.69 | 0.042 | 9 | 28 | 0.56 | 207 | 0.124 | 3 | 2.73 | 0.026 | 0.18 | <0.1 | 0.02 | 6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 322 | 617478 | 5583052 | 1136 | VAN13001611 | 0.5 | 26.8 | 4.7 | 93 | <0.1 | 21.8 | 10.9 | 1056 | 2.4 | 2 | 0.7 | 1.3 | 80 | 0.2 | 0.1 | <0.1 | 49 | 0.61 | 0.029 | 7 | 25 | 0.51 | 166 | 0.118 | 5 | 2.46 | 0.028 | 0.21 | <0.1 | 0.01 | 5.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 323 | 617502 | 5583052 | 1137 | VAN13001611 | 0.5 | 34 | 4.7 | 131 | <0.1 | 25.2 | 10.2 | 690 | 2.49 | 3.7 | <0.5 | 1.4 | 76 | 0.2 | 0.1 | <0.1 | 56 | 0.64 | 0.044 | 8 | 26 | 0.56 | 168 | 0.121 | 4 | 2.39 | 0.025 | 0.23 | <0.1 | 0.01 | 5.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 324 | 617527 | 5583057 | 1143 | VAN13001611 | 0.5 | 33.1 | 5.2 | 89 | <0.1 | 24.4 | 11.6 | 854 | 2.56 | 4 | 0.5 | 1.7 | 88 | 0.1 | 0.1 | <0.1 | 54 | 0.72 | 0.037 | 11 | 28 | 0.52 | 206 | 0.121 | 5 | 2.64 | 0.025 | 0.21 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 325 | 617551 | 5583050 | 1149 | VAN13001611 | 0.7 | 28.8 | 5 | 103 | <0.1 | 22.9 | 10.8 | 1077 | 2.58 | 2.8 | 0.7 | 1.7 | 105 | 0.2 | 0.2 | <0.1 | 58 | 0.77 | 0.045 | 12 | 27 | 0.52 | 224 | 0.1 | 7 | 2.38 | 0.025 | 0.27 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 326 | 617579 | 5583047 | 1159 | VAN13001611 | 0.3 | 25.9 | 6.2 | 38 | <0.1 | 17.7 | 8.9 | 507 | 2.09 | 1.4 | <0.5 | 2.6 | 83 | <0.1 | <0.1 | <0.1 | 49 | 1.05 | 0.043 | 24 | 15 | 0.88 | 72 | 0.024 | 4 | 2.02 | 0.016 | 0.06 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 327 | 617600 | 5583051 | 1165 | VAN13001611 | 0.4 | 31.1 | 4.6 | 116 | <0.1 | 21.6 | 9.7 | 815 | 2.54 | 1.6 | <0.5 | 1.8 | 78 | 0.1 | 0.2 | 0.2 | 52 | 0.61 | 0.038 | 12 | 28 | 0.48 | 171 | 0.105 | 6 | 2.46 | 0.024 | 0.24 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 328 | 617624 | 5583051 | 1169 | VAN13001611 | 0.5 | 26.5 | 5.1 | 69 | <0.1 | 19.2 | 10.4 | 524 | 2.58 | 2.6 | 0.7 | 1.6 | 81 | 0.1 | 0.2 | 0.1 | 60 | 0.59 | 0.03 | 9 | 29 | 0.49 | 167 | 0.122 | 2 | 2.41 | 0.027 | 0.12 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 329 | 617650 | 5583049 | 1175 | VAN13001611 | 0.4 | 29.9 | 4.9 | 89 | <0.1 | 22.2 | 11 | 724 | 2.51 | 1.6 | 2.4 | 1.7 | 88 | <0.1 | 0.2 | 0.3 | 54 | 0.69 | 0.034 | 11 | 26 | 0.49 | 199 | 0.092 | 4 | 2.42 | 0.026 | 0.13 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 330 | 617676 | 5583050 | 1177 | VAN13001611 | 0.4 | 39.7 | 5.5 | 78 | <0.1 | 28.2 | 14.1 | 535 | 3.09 | 2.7 | <0.5 | 2.2 | 98 | <0.1 | 0.2 | 0.2 | 65 | 0.72 | 0.029 | 16 | 35 | 0.61 | 167 | 0.117 | 5 | 2.8 | 0.033 | 0.19 | <0.1 | 0.03 | 9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 331 | 617700 | 5583050 | 1182 | VAN13001611 | 0.4 | 29.4 | 4.7 | 112 | <0.1 | 20.6 | 10.4 | 747 | 2.61 | 1.4 | 2.9 | 1.7 | 94 | 0.1 | <0.1 | 0.1 | 56 | 0.74 | 0.035 | 11 | 27 | 0.59 | 158 | 0.092 | 8 | 2.32 | 0.03 | 0.21 | <0.1 | 0.04 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 332 | 617700 | 5583100 | 1174 | VAN13001611 | 0.4 | 31.6 | 4.8 | 71 | <0.1 | 24.5 | 11.9 | 609 | 2.84 | 2.6 | <0.5 | 1.9 | 109 | 0.1 | 0.2 | <0.1 | 62 | 0.75 | 0.038 | 11 | 32 | 0.65 | 179 | 0.126 | 5 | 2.68 | 0.037 | 0.19 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 333 | 617721 | 5583051 | 1179 | VAN13001611 | 0.4 | 36.1 | 5.6 | 72 | <0.1 | 26.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 EH 376 | 617924 | 5583500 | 1253 | VAN13001680 | 0.3 | 34.9 | 3.6 | 71 | 0.1 | 39.3 | 14.7 | 478 | 3.3 | 1.6 | <0.5 | 2.5 | 64 | <0.1 | <0.1 | <0.1 | 77 | 0.73 | 0.043 | 13 | 51 | 1.15 | 95 | 0.146 | 2 | 2.46 | 0.035 | 0.14 | <0.1 | 0.04 | 13.3 | <0.1 | 0.06 | 6 | 0.8 | <0.2 |
| GP 13 EH 377 | 617950 | 5583500 | 1252 | VAN13001680 | 0.4 | 29.6 | 3.9 | 55 | <0.1 | 28.4 | 10.6 | 540 | 2.67 | 1.9 | 2.1 | 2 | 61 | 0.2 | 0.1 | <0.1 | 57 | 0.64 | 0.03 | 11 | 37 | 0.65 | 122 | 0.097 | <1 | 2.42 | 0.029 | 0.15 | <0.1 | 0.02 | 6.8 | <0.1 | 0.06 | 6 | 1.3 | <0.2 |
| GP 13 EH 378 | 617976 | 5583500 | 1269 | VAN13001680 | 0.4 | 29.4 | 4 | 68 | <0.1 | 26.1 | 10.8 | 573 | 2.76 | 1.8 | <0.5 | 2.2 | 78 | 0.2 | <0.1 | <0.1 | 57 | 0.74 | 0.032 | 13 | 38 | 0.62 | 141 | 0.116 | 2 | 2.41 | 0.035 | 0.17 | <0.1 | 0.03 | 7.3 | <0.1 | 0.07 | 6 | <0.5 | <0.2 |
| GP 13 EH 379 | 618000 | 5583500 | 1284 | VAN13001680 | 0.5 | 33.3 | 4 | 73 | <0.1 | 26.8 | 13.4 | 806 | 2.92 | 1.7 | <0.5 | 2.2 | 96 | 0.1 | 0.1 | <0.1 | 65 | 0.77 | 0.027 | 12 | 37 | 0.69 | 139 | 0.132 | 2 | 2.41 | 0.034 | 0.18 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 380 | 618024 | 5583499 | 1295 | VAN13001680 | 0.4 | 34 | 4.9 | 86 | <0.1 | 24.9 | 11.4 | 708 | 2.83 | 2.5 | <0.5 | 1.8 | 100 | 0.1 | 0.2 | <0.1 | 67 | 0.79 | 0.041 | 10 | 35 | 0.58 | 136 | 0.138 | 2 | 2.52 | 0.027 | 0.21 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 7 | 1.4 | <0.2 |
| GP 13 EH 381 | 618050 | 5583499 | 1294 | VAN13001680 | 0.4 | 19.8 | 3.8 | 53 | <0.1 | 19.8 | 7.8 | 332 | 2.2 | 1.4 | 4.9 | 1.4 | 75 | 0.2 | 0.1 | <0.1 | 52 | 0.6 | 0.037 | 7 | 24 | 0.41 | 117 | 0.117 | 2 | 1.75 | 0.023 | 0.22 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 382 | 618077 | 5583499 | 1298 | VAN13001680 | 0.6 | 33.8 | 4 | 61 | <0.1 | 23 | 10.8 | 404 | 2.96 | 1.6 | 1 | 1.7 | 84 | 0.1 | 0.2 | <0.1 | 72 | 0.74 | 0.04 | 13 | 30 | 0.65 | 140 | 0.129 | 3 | 2.61 | 0.025 | 0.21 | <0.1 | 0.02 | 7.9 | <0.1 | 0.06 | 7 | <0.5 | <0.2 |
| GP 13 EH 383 | 618100 | 5583500 | 1326 | VAN13001680 | 0.8 | 39.5 | 6.7 | 80 | <0.1 | 27.5 | 14.4 | 1064 | 3.07 | 6.8 | 1 | 1.3 | 87 | 0.1 | 0.2 | <0.1 | 75 | 0.99 | 0.113 | 11 | 31 | 0.84 | 150 | 0.105 | 1 | 3.63 | 0.026 | 0.14 | <0.1 | 0.04 | 7.2 | <0.1 | 0.05 | 9 | 0.8 | <0.2 |
| GP 13 EH 384 | 618124 | 5583500 | 1334 | VAN13001680 | 0.6 | 48.1 | 5.8 | 69 | <0.1 | 32.9 | 14.9 | 658 | 3.37 | 6 | 0.8 | 1.7 | 115 | 0.2 | 0.3 | <0.1 | 86 | 0.95 | 0.087 | 13 | 46 | 0.79 | 153 | 0.138 | 1 | 3.4 | 0.023 | 0.15 | <0.1 | 0.04 | 9.8 | <0.1 | 0.06 | 9 | 1.1 | <0.2 |
| GP 13 EH 385 | 618150 | 5583499 | 1325 | VAN13001680 | 0.3 | 32.1 | 7.6 | 78 | <0.1 | 22.5 | 13.1 | 1113 | 2.22 | 2.2 | 0.6 | 2 | 75 | <0.1 | 0.2 | <0.1 | 46 | 0.74 | 0.033 | 12 | 20 | 0.6 | 132 | 0.084 | 4 | 1.96 | 0.019 | 0.24 | <0.1 | 0.03 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 386 | 618176 | 5583500 | 1315 | VAN13001680 | 0.3 | 14.7 | 5.6 | 60 | <0.1 | 10.8 | 6.5 | 597 | 1.51 | 1.5 | <0.5 | 1 | 80 | <0.1 | 0.1 | <0.1 | 35 | 0.69 | 0.025 | 7 | 14 | 0.3 | 106 | 0.085 | 3 | 1.24 | 0.023 | 0.17 | <0.1 | 0.04 | 3.6 | <0.1 | <0.05 | 3 | 0.8 | <0.2 |
| GP 13 EH 387 | 618200 | 5583501 | 1311 | VAN13001680 | 0.2 | 45.1 | 3.4 | 55 | <0.1 | 12.2 | 9.2 | 403 | 2.19 | 1.1 | 3.1 | 2.3 | 191 | 0.1 | 0.1 | 0.1 | 44 | 0.75 | 0.033 | 16 | 12 | 0.47 | 203 | 0.079 | 4 | 1.58 | 0.021 | 0.31 | <0.1 | 0.03 | 6.1 | <0.1 | 0.06 | 4 | <0.5 | <0.2 |
| GP 13 EH 388 | 618226 | 5583501 | 1300 | VAN13001680 | 0.2 | 20.1 | 3.5 | 87 | <0.1 | 10.1 | 5.8 | 360 | 2.03 | 1 | 0.5 | 1.8 | 98 | 0.1 | <0.1 | <0.1 | 40 | 0.58 | 0.024 | 10 | 14 | 0.38 | 120 | 0.114 | 5 | 1.53 | 0.027 | 0.21 | <0.1 | 0.02 | 5.5 | <0.1 | 0.07 | 4 | 0.9 | <0.2 |
| GP 13 EH 389 | 618249 | 5583500 | 1289 | VAN13001680 | 0.3 | 20 | 4.5 | 47 | <0.1 | 14.2 | 8.3 | 537 | 2.05 | 0.6 | 1 | 2.1 | 87 | <0.1 | <0.1 | <0.1 | 56 | 0.46 | 0.012 | 13 | 21 | 0.32 | 108 | 0.14 | 3 | 1.19 | 0.03 | 0.21 | <0.1 | 0.01 | 4.7 | <0.1 | 0.06 | 4 | <0.5 | <0.2 |
| GP 13 EH 390 | 618275 | 5583500 | 1273 | VAN13001680 | 0.4 | 21.5 | 3.6 | 119 | <0.1 | 21.7 | 6.4 | 567 | 1.79 | 1.2 | 2.5 | 1.3 | 55 | <0.1 | <0.1 | <0.1 | 42 | 0.6 | 0.04 | 5 | 19 | 0.3 | 127 | 0.108 | 5 | 1.58 | 0.021 | 0.26 | <0.1 | 0.03 | 4.5 | <0.1 | 0.07 | 4 | 1.1 | <0.2 |
| GP 13 EH 391 | 618298 | 5583500 | 1275 | VAN13001680 | 0.6 | 29.3 | 3.7 | 92 | <0.1 | 29.7 | 16.1 | 832 | 3.16 | 2.2 | 0.6 | 1.7 | 127 | <0.1 | 0.1 | <0.1 | 83 | 0.94 | 0.077 | 13 | 27 | 0.67 | 192 | 0.074 | 6 | 2.52 | 0.02 | 0.29 | <0.1 | 0.04 | 9.4 | <0.1 | 0.07 | 7 | 0.6 | <0.2 |
| GP 13 EH 392 | 618325 | 5583500 | 1292 | VAN13001680 | 0.7 | 44.5 | 6.6 | 83 | <0.1 | 29.8 | 16.6 | 912 | 3.21 | 3.8 | <0.5 | 1.9 | 104 | 0.1 | 0.2 | 0.1 | 85 | 0.87 | 0.045 | 11 | 35 | 0.61 | 162 | 0.127 | 1 | 3.7 | 0.023 | 0.17 | <0.1 | 0.03 | 9 | <0.1 | 0.06 | 9 | <0.5 | <0.2 |
| GP 13 EH 393 | 618351 | 5583500 | 1292 | VAN13001680 | 0.5 | 25 | 4.9 | 68 | <0.1 | 20 | 9.2 | 633 | 2.27 | 1.9 | <0.5 | 1.7 | 155 | <0.1 | 0.2 | <0.1 | 58 | 0.62 | 0.032 | 13 | 25 | 0.42 | 183 | 0.108 | 3 | 1.93 | 0.025 | 0.2 | <0.1 | 0.04 | 6 | <0.1 | 0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 394 | 618375 | 5583501 | 1287 | VAN13001680 | 0.6 | 25.4 | 4.6 | 76 | <0.1 | 20.9 | 9.8 | 600 | 2.63 | 1.2 | 0.5 | 1.6 | 114 | 0.1 | 0.2 | <0.1 | 69 | 0.62 | 0.029 | 11 | 30 | 0.47 | 160 | 0.136 | 3 | 2.19 | 0.028 | 0.16 | <0.1 | 0.02 | 6.2 | <0.1 | 0.07 | 6 | <0.5 | <0.2 |
| GP 13 EH 395 | 618399 | 5583500 | 1282 | VAN13001680 | 0.5 | 26.7 | 4.5 | 88 | <0.1 | 19.7 | 10.2 | 651 | 2.84 | 1.9 | 1.1 | 1.9 | 110 | 0.2 | 0.2 | <0.1 | 66 | 0.64 | 0.036 | 13 | 31 | 0.5 | 154 | 0.13 | 5 | 2.33 | 0.033 | 0.36 | <0.1 | 0.03 | 7.3 | <0.1 | 0.09 | 6 | 0.6 | <0.2 |
| GP 13 EH 396 | 617375 | 5583248 | 1081 | VAN13001680 | 0.4 | 41.9 | 5.1 | 62 | <0.1 | 39.9 | 13.6 | 536 | 3.25 | 2.1 | 1 | 2.3 | 108 | 0.2 | 0.2 | <0.1 | 57 | 0.82 | 0.029 | 16 | 43 | 0.83 | 138 | 0.116 | 9 | 2.82 | 0.032 | 0.22 | <0.1 | 0.01 | 9.4 | <0.1 | 0.07 | 8 | <0.5 | <0.2 |
| GP 13 EH 397 | 617349 | 5583252 | 1070 | VAN13001680 | 0.6 | 22 | 4.1 | 73 | <0.1 | 20.8 | 9.7 | 517 | 2.29 | 1.9 | 1.1 | 1.3 | 63 | <0.1 | <0.1 | <0.1 | 46 | 0.58 | 0.027 | 6 | 27 | 0.54 | 116 | 0.105 | 4 | 2.32 | 0.028 | 0.11 | <0.1 | 0.02 | 6.2 | <0.1 | 0.08 | 6 | <0.5 | <0.2 |
| GP 13 EH 398 | 617325 | 5583253 | 1073 | VAN13001680 | 0.4 | 32.9 | 5.6 | 66 | <0.1 | 29 | 14.7 | 862 | 3.05 | 2.7 | <0.5 | 2 | 93 | 0.1 | 0.2 | <0.1 | 66 | 0.83 | 0.03 | 11 | 34 | 0.72 | 172 | 0.131 | 7 | 2.94 | 0.029 | 0.22 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 399 | 617300 | 5583250 | 1072 | VAN13001680 | 0.6 | 39.7 | 5.4 | 57 | 0.1 | 31.6 | 13 | 525 | 3.31 | 4.2 | <0.5 | 2.2 | 130 | <0.1 | 0.2 | <0.1 | 70 | 0.93 | 0.045 | 15 | 42 | 0.82 | 151 | 0.146 | 7 | 3.01 | 0.033 | 0.18 | <0.1 | 0.03 | 9.9 | <0.1 | 0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 400 | 617277 | 5583250 | 1064 | VAN13001680 | 0.6 | 31.4 | 4.6 | 86 | <0.1 | 25.8 | 11.3 | 641 | 2.81 | 2.1 | <0.5 | 1.8 | 102 | 0.1 | 0.2 | <0.1 | 66 | 0.78 | 0.039 | 11 | 36 | 0.65 | 141 | 0.159 | 5 | 2.77 | 0.034 | 0.16 | <0.1 | 0.02 | 7.3 | <0.1 | 0.08 | 7 | <0.5 | <0.2 |
| GP 13 EH 401 | 617248 | 5583253 | 1060 | VAN13001680 | 0.3 | 34.3 | 4.1 | 89 | <0.1 | 34 | 12.3 | 645 | 2.99 | 1.7 | 1.3 | 1.8 | 149 | 0.1 | 0.1 | <0.1 | 64 | 1.23 | 0.048 | 13 | 46 | 0.76 | 185 | 0.164 | 6 | 2.85 | 0.035 | 0.17 | <0.1 | 0.02 | 9 | <0.1 | 0.06 | 8 | 0.5 | <0.2 |
| GP 13 EH 402 | 617225 | 5583251 | 1058 | VAN13001680 | 0.5 | 42.1 | 5.2 | 68 | <0.1 | 36.8 | 13.6 | 627 | 3.44 | 3.1 | 0.9 | 2.3 | 118 | 0.1 | 0.2 | <0.1 | 71 | 0.73 | 0.03 | 14 | 41 | 0.76 | 136 | 0.167 | 5 | 2.94 | 0.03 | 0.28 | <0.1 | 0.02 | 9.7 | <0.1 | 0.06 | 8 | <0.5 | <0.2 |
| GP 13 EH 403 | 617201 | 5583250 | 1044 | VAN13001680 | 0.6 | 65.1 | 6.1 | 93 | <0.1 | 39.3 | 18.5 | 825 | 3.31 | 2.3 | <0.5 | 2.2 | 174 | 0.2 | 0.2 | <0.1 | 85 | 1.14 | 0.034 | 14 | 33 | 0.93 | 148 | 0.197 | 4 | 3.14 | 0.04 | 0.26 | <0.1 | 0.03 | 10 | <0.1 | 0.06 | 9 | 1 | <0.2 |
| GP 13 EH 404 | 617176 | 5583250 | 1027 | VAN13001680 | 0.4 | 43.2 | 4.2 | 64 | <0.1 | 31.3 | 10.3 | 294 | 3.18 | 1.7 | 10 | 2.4 | 145 | 0.1 | 0.1 | <0.1 | 67 | 0.85 | 0.038 | 12 | 33 | 0.67 | 134 | 0.168 | 8 | 2.87 | 0.033 | 0.24 | <0.1 | 0.03 | 9.6 | <0.1 | 0.07 | 8 | 0.8 | <0.2 |
| GP 13 EH 405 | 617150 | 5583250 | 1018 | VAN13001680 | 0.8 | 23.6 | 3.9 | 122 | <0.1 | 20.6 | 8.2 | 576 | 2.17 | 1.9 | 0.9 | 1.1 | 76 | 0.2 | <0.1 | 0.3 | 46 | 0.6 | 0.04 | 5 | 24 | 0.44 | 156 | 0.136 | 4 | 2.3 | 0.027 | 0.2 | <0.1 | 0.02 | 5.6 | <0.1 | 0.07 | 6 | <0.5 | <0.2 |
| GP 13 EH 406 | 617124 | 5583250 | 1015 | VAN13001680 | 0.3 | 40.8 | 5.4 | 76 | <0.1 | 34.9 | 14.4 | 674 | 3.13 | 0.9 | <0.5 | 1.5 | 160 | 0.1 | 0.1 | 0.1 | 80 | 0.92 | 0.044 | 12 | 39 | 0.75 | 121 | 0.12 | 7 | 2.92 | 0.066 | 0.29 | <0.1 | 0.01 | 9.1 | <0.1 | 0.08 | 7 | <0.5 | <0.2 |
| GP 13 EH 407 | 617100 | 5583250 | 998 | VAN13001680 | 0.1 | 39.9 | 4.9 | 61 | <0.1 | 30.4 | 11.5 | 431 | 3.23 | 1.7 | <0.5 | 1.5 | 168 | 0.1 | <0.1 | <0.1 | 87 | 0.85 | 0.036 | 12 | 44 | 0.84 | 131 | 0.229 | 5 | 2.79 | 0.061 | 0.27 | <0.1 | 0.02 | 9.1 | <0.1 | 0.05 | 7 | 0.6 | <0.2 |
| GP 13 EH 408 | 617075 | 5583250 | 991 | VAN13001680 | 0.2 | 40.6 | 5.1 | 60 | <0.1 | 36 | 13.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te | | |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|--|--|
| GP 13 EH 451 | 617501 | 5583303 | 1083 | VAN13001680 | 0.6 | 27.1 | 4.7 | 104 | <0.1 | 20 | 9.5 | 787 | 2.4 | 1.7 | <0.5 | 1.3 | 73 | 0.1 | <0.1 | <0.1 | 50 | 0.63 | 0.043 | 6 | 24 | 0.59 | 143 | 0.111 | 4 | 2.61 | 0.027 | 0.16 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 452 | 617523 | 5583308 | 1085 | VAN13001680 | 0.5 | 37.6 | 4.7 | 76 | <0.1 | 23.5 | 10.1 | 537 | 2.79 | 2 | <0.5 | 1.6 | 87 | <0.1 | 0.1 | <0.1 | 63 | 0.61 | 0.032 | 11 | 30 | 0.62 | 142 | 0.129 | 5 | 2.8 | 0.033 | 0.16 | <0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 EH 453 | 617549 | 5583308 | 1090 | VAN13001680 | 0.6 | 26 | 4.4 | 56 | <0.1 | 18 | 9.2 | 464 | 2.32 | 1 | <0.5 | 1.4 | 65 | <0.1 | 0.1 | <0.1 | 50 | 0.52 | 0.02 | 7 | 25 | 0.53 | 106 | 0.127 | 8 | 1.93 | 0.037 | 0.21 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 454 | 617574 | 5583303 | 1099 | VAN13001680 | 0.9 | 28.4 | 5.2 | 97 | <0.1 | 21.1 | 11.1 | 1074 | 2.48 | 1.1 | <0.5 | 1.6 | 96 | 0.2 | 0.1 | <0.1 | 52 | 0.78 | 0.031 | 10 | 25 | 0.54 | 152 | 0.118 | 8 | 2.13 | 0.03 | 0.32 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 455 | 617600 | 5583305 | 1110 | VAN13001680 | 0.4 | 22.8 | 4.7 | 61 | <0.1 | 19.9 | 9.7 | 583 | 2.38 | 0.7 | <0.5 | 1.6 | 71 | <0.1 | <0.1 | <0.1 | 43 | 0.58 | 0.02 | 9 | 25 | 0.52 | 122 | 0.114 | 6 | 2.33 | 0.033 | 0.21 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 456 | 617625 | 5583300 | 1126 | VAN13001680 | 0.3 | 29.6 | 4.4 | 95 | <0.1 | 24.2 | 11.5 | 754 | 2.67 | 0.8 | <0.5 | 1.9 | 78 | 0.1 | <0.1 | <0.1 | 49 | 0.7 | 0.032 | 10 | 26 | 0.65 | 116 | 0.112 | 9 | 2.35 | 0.037 | 0.27 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 457 | 617650 | 5583302 | 1126 | VAN13001680 | 0.4 | 26.3 | 4.7 | 74 | <0.1 | 18.2 | 9.8 | 766 | 2.3 | 0.6 | 1.9 | 1.5 | 76 | 0.1 | <0.1 | 0.1 | 50 | 0.56 | 0.024 | 7 | 23 | 0.53 | 137 | 0.124 | 11 | 2.02 | 0.029 | 0.28 | <0.1 | 0.02 | 6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 458 | 617673 | 5583302 | 1131 | VAN13001680 | 0.3 | 38.3 | 5 | 67 | <0.1 | 28.3 | 12.5 | 710 | 3.21 | 1.1 | 1.6 | 1.9 | 106 | 0.1 | 0.1 | <0.1 | 64 | 0.71 | 0.028 | 14 | 33 | 0.77 | 131 | 0.128 | 6 | 2.3 | 0.028 | 0.37 | <0.1 | 0.03 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 459 | 617700 | 5583298 | 1144 | VAN13001680 | 0.5 | 22.9 | 4.3 | 53 | <0.1 | 18.9 | 9.2 | 598 | 2.26 | 1 | 1.5 | 1.6 | 91 | 0.1 | 0.1 | <0.1 | 47 | 0.65 | 0.028 | 9 | 24 | 0.52 | 128 | 0.115 | 8 | 1.81 | 0.025 | 0.36 | <0.1 | 0.03 | 6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 460 | 617699 | 5583351 | 1144 | VAN13001680 | 0.3 | 33.2 | 4 | 95 | <0.1 | 16.5 | 9.7 | 675 | 2.58 | 0.5 | <0.5 | 1.5 | 86 | 0.1 | <0.1 | <0.1 | 60 | 0.61 | 0.032 | 11 | 19 | 0.57 | 121 | 0.145 | 9 | 1.95 | 0.025 | 0.36 | <0.1 | 0.02 | 7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 461 | 617675 | 5583350 | 1137 | VAN13001680 | 0.3 | 28.4 | 4.1 | 62 | <0.1 | 14.8 | 9.6 | 508 | 2.23 | <0.5 | 0.9 | 1.1 | 58 | <0.1 | <0.1 | <0.1 | 52 | 0.54 | 0.023 | 5 | 18 | 0.54 | 91 | 0.139 | 12 | 1.63 | 0.026 | 0.39 | <0.1 | 0.01 | 5.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 462 | 617725 | 5583301 | 1144 | VAN13001680 | 0.5 | 27.4 | 4.6 | 72 | <0.1 | 22.1 | 9.9 | 413 | 2.49 | 0.9 | <0.5 | 1.7 | 90 | <0.1 | 0.1 | <0.1 | 59 | 0.55 | 0.029 | 10 | 28 | 0.57 | 129 | 0.137 | 4 | 1.97 | 0.035 | 0.22 | <0.1 | 0.01 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 463 | 617751 | 5583301 | 1159 | VAN13001680 | 0.3 | 31 | 4.6 | 65 | <0.1 | 24.6 | 9.8 | 480 | 2.45 | 1 | 1.1 | 1.9 | 85 | 0.1 | 0.1 | <0.1 | 49 | 0.61 | 0.034 | 11 | 27 | 0.6 | 140 | 0.118 | 8 | 2.05 | 0.025 | 0.4 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 464 | 617775 | 5583300 | 1169 | VAN13001680 | 0.4 | 32.1 | 4.9 | 60 | <0.1 | 26.9 | 11.9 | 518 | 2.81 | 0.7 | 0.7 | 2.1 | 92 | <0.1 | <0.1 | <0.1 | 51 | 0.71 | 0.036 | 13 | 32 | 0.72 | 141 | 0.121 | 6 | 2.32 | 0.028 | 0.33 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 465 | 617800 | 5583300 | 1176 | VAN13001680 | 0.3 | 38.3 | 4.9 | 59 | <0.1 | 34.4 | 13.5 | 547 | 3.22 | 0.8 | <0.5 | 2.3 | 92 | 0.1 | <0.1 | <0.1 | 58 | 0.65 | 0.029 | 15 | 36 | 0.9 | 145 | 0.136 | 5 | 2.46 | 0.033 | 0.28 | <0.1 | 0.03 | 9.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 466 | 617826 | 5583300 | 1196 | VAN13001680 | 0.2 | 44.9 | 4.2 | 46 | <0.1 | 38.1 | 12.5 | 340 | 3.13 | <0.5 | 2 | 2.4 | 99 | <0.1 | <0.1 | <0.1 | 48 | 0.75 | 0.034 | 15 | 33 | 1.09 | 163 | 0.089 | 3 | 2.05 | 0.027 | 0.15 | <0.1 | 0.03 | 10.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 467 | 617850 | 5583299 | 1212 | VAN13001680 | 0.3 | 28.2 | 4.6 | 71 | <0.1 | 23.1 | 10.4 | 722 | 2.55 | <0.5 | 1.6 | 1.8 | 109 | <0.1 | 0.1 | <0.1 | 53 | 0.64 | 0.02 | 11 | 29 | 0.58 | 148 | 0.119 | 4 | 2.14 | 0.031 | 0.35 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 468 | 617876 | 5583305 | 1224 | VAN13001680 | 0.3 | 29.5 | 4.1 | 58 | <0.1 | 22.7 | 8.5 | 373 | 2.64 | 0.8 | 1.2 | 2 | 111 | <0.1 | 0.1 | <0.1 | 58 | 0.65 | 0.017 | 11 | 28 | 0.61 | 114 | 0.145 | 5 | 2.18 | 0.038 | 0.27 | <0.1 | 0.01 | 7.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 469 | 617900 | 5583301 | 1239 | VAN13001680 | 0.4 | 40.1 | 3.6 | 63 | <0.1 | 33.3 | 13.3 | 558 | 3.07 | <0.5 | 1.4 | 2.3 | 89 | 0.2 | <0.1 | <0.1 | 63 | 0.81 | 0.025 | 11 | 41 | 0.95 | 96 | 0.141 | 2 | 2.29 | 0.045 | 0.17 | <0.1 | 0.03 | 10 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 470 | 617923 | 5583300 | 1249 | VAN13001680 | 0.3 | 21.2 | 3.5 | 101 | <0.1 | 15.1 | 6.5 | 590 | 1.85 | 0.8 | <0.5 | 0.9 | 47 | <0.1 | <0.1 | <0.1 | 36 | 0.57 | 0.037 | 4 | 17 | 0.36 | 107 | 0.089 | 4 | 1.83 | 0.02 | 0.19 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 471 | 617950 | 5583298 | 1252 | VAN13001680 | 0.5 | 30.8 | 4.4 | 66 | <0.1 | 24.8 | 11.6 | 491 | 2.67 | 1.2 | <0.5 | 1.7 | 83 | 0.1 | 0.1 | <0.1 | 51 | 0.93 | 0.059 | 10 | 24 | 0.72 | 102 | 0.097 | 8 | 2.92 | 0.023 | 0.34 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 EH 472 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 473 | 618000 | 5583300 | 1311 | VAN13001680 | 0.7 | 38.6 | 5.9 | 60 | <0.1 | 30.4 | 14.7 | 757 | 2.97 | 2.2 | 1 | 1.7 | 111 | 0.2 | 0.3 | <0.1 | 80 | 0.71 | 0.026 | 11 | 33 | 0.75 | 144 | 0.127 | <1 | 2.39 | 0.03 | 0.23 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 474 | 618026 | 5583300 | 1319 | VAN13001680 | 0.2 | 33.4 | 5.8 | 70 | 0.2 | 17.9 | 7.8 | 674 | 2.22 | 1 | 1 | 2 | 77 | <0.1 | 0.1 | <0.1 | 41 | 0.83 | 0.034 | 15 | 18 | 0.46 | 120 | 0.092 | 3 | 1.9 | 0.021 | 0.23 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 475 | 618049 | 5583301 | 1325 | VAN13001680 | 0.7 | 42.5 | 7.4 | 107 | 0.1 | 24.2 | 14 | 1151 | 3.09 | 4.7 | 0.6 | 1.3 | 94 | 0.1 | 0.3 | <0.1 | 77 | 0.9 | 0.114 | 11 | 27 | 0.6 | 158 | 0.11 | 2 | 3.42 | 0.017 | 0.18 | <0.1 | 0.05 | 6.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | |
| GP 13 EH 476 | 618075 | 5583300 | 1332 | VAN13001680 | 0.4 | 22.1 | 5.1 | 78 | <0.1 | 18.8 | 9.4 | 558 | 2.48 | 1.1 | 0.9 | 1.7 | 86 | 0.2 | 0.2 | <0.1 | 64 | 0.61 | 0.028 | 8 | 26 | 0.5 | 133 | 0.135 | 3 | 2.09 | 0.025 | 0.21 | <0.1 | 0.03 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 477 | 618101 | 5583300 | 1328 | VAN13001680 | 0.5 | 25 | 5 | 67 | <0.1 | 20.2 | 9 | 544 | 2.4 | 1.4 | <0.5 | 2 | 84 | 0.1 | 0.2 | 0.1 | 62 | 0.58 | 0.021 | 12 | 26 | 0.47 | 111 | 0.123 | <1 | 2.14 | 0.027 | 0.17 | <0.1 | 0.03 | 6.2 | 0.1 | <0.05 | 6 | 0.6 | <0.2 | | |
| GP 13 EH 478 | 618124 | 5583299 | 1318 | VAN13001680 | 0.3 | 32.7 | 5.8 | 66 | <0.1 | 19.1 | 13.1 | 818 | 2.6 | 1.6 | 1 | 2 | 96 | 0.2 | 0.2 | <0.1 | 69 | 0.69 | 0.023 | 13 | 24 | 0.57 | 115 | 0.128 | 2 | 2.23 | 0.029 | 0.24 | <0.1 | 0.03 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 479 | 618149 | 5583300 | 1303 | VAN13001680 | 0.6 | 40.4 | 7.2 | 76 | <0.1 | 22.2 | 14.4 | 906 | 3.03 | 2.5 | 0.7 | 1.9 | 107 | 0.2 | 0.2 | <0.1 | 86 | 0.79 | 0.054 | 13 | 26 | 0.56 | 132 | 0.125 | 2 | 2.44 | 0.025 | 0.25 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 480 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 481 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 482 | 618226 | 5583300 | 1241 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 483 | 618249 | 5583300 | 1239 | VAN13001680 | 0.4 | 37.1 | 3.8 | 59 | <0.1 | 23.8 | 12.3 | 464 | 3.87 | 0.6 | 2 | 1.8 | 92 | 0.2 | 0.1 | <0.1 | 97 | 0.76 | 0.029 | 15 | 23 | 0.57 | 78 | 0.125 | 3 | 2.16 | 0.07 | 0.2 | <0.1 | 0.03 | 9.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 484 | 618275 | 5583301 | 1227 | VAN13001680 | 0.3 | 32.7 | 4.3 | 77 | <0.1 | 31.6 | 15.5 | 667 | 3.83 | <0.5 | <0.5 | 2 | 93 | <0.1 | <0.1 | <0.1 | 81 | 0.83 | 0.025 | 16 | 30 | 0.73 | 91 | 0.07 | 4 | 3.03 | 0.05 | 0.37 | <0.1 | 0.03 | 11.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 EH 526 | 618395 | 5583644 | 1250 | VAN13001954 | 0.2 | 32.4 | 6.8 | 61 | <0.1 | 26.4 | 11.5 | 474 | 2.9 | 0.7 | 0.9 | <0.1 | 138 | 0.1 | <0.1 | <0.1 | 59 | 0.87 | 0.038 | 15 | 28 | 0.87 | 88 | 0.076 | 3 | 2.5 | 0.084 | 0.12 | <0.1 | 0.42 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 527 | 618400 | 5583550 | 1285 | VAN13001954 | 0.6 | 39.1 | 6.2 | 77 | <0.1 | 28.2 | 14.2 | 833 | 3.29 | 2.5 | 0.8 | <0.1 | 102 | 0.2 | 0.2 | <0.1 | 76 | 0.9 | 0.057 | 13 | 36 | 0.68 | 171 | 0.12 | 2 | 3.77 | 0.023 | 0.27 | <0.1 | 0.03 | 10 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| GP 13 EH 528 | 617400 | 5583700 | 1010 | VAN13001954 | 0.6 | 41.4 | 6.4 | 84 | <0.1 | 30.1 | 13.4 | 802 | 2.85 | 3.5 | <0.5 | <0.1 | 112 | 0.2 | 0.2 | <0.1 | 64 | 0.96 | 0.044 | 15 | 33 | 0.76 | 231 | 0.119 | 6 | 2.76 | 0.03 | 0.31 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 529 | 617424 | 5583701 | 1018 | VAN13001954 | 0.5 | 39.9 | 6.2 | 76 | <0.1 | 25.6 | 12 | 448 | 2.97 | 4 | <0.5 | <0.1 | 115 | 0.2 | 0.2 | <0.1 | 66 | 0.88 | 0.052 | 15 | 35 | 0.72 | 203 | 0.125 | 5 | 3.31 | 0.026 | 0.35 | <0.1 | 0.01 | 8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 530 | 617450 | 5583703 | 1012 | VAN13001954 | 0.5 | 24.5 | 5.9 | 75 | <0.1 | 16.7 | 9.1 | 764 | 2.19 | 2.2 | 1.1 | <0.1 | 95 | 0.2 | 0.1 | <0.1 | 45 | 0.58 | 0.028 | 17 | 20 | 0.51 | 247 | 0.078 | 5 | 2.12 | 0.027 | 0.21 | <0.1 | 0.02 | 5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 531 | 617475 | 5583700 | 1018 | VAN13001954 | 0.4 | 36.3 | 6.7 | 77 | <0.1 | 21.8 | 10.4 | 580 | 2.83 | 2.2 | 0.8 | <0.1 | 176 | 0.2 | 0.2 | 0.3 | 55 | 0.72 | 0.048 | 24 | 24 | 0.64 | 281 | 0.061 | 10 | 2.55 | 0.026 | 0.46 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 532 | 617499 | 5583701 | 1039 | VAN13001954 | 0.4 | 30.5 | 7 | 73 | <0.1 | 16 | 10.1 | 789 | 2.62 | 3.1 | 1.6 | <0.1 | 153 | 0.1 | 0.1 | 0.2 | 47 | 0.71 | 0.052 | 30 | 18 | 0.54 | 209 | 0.026 | 3 | 2.26 | 0.02 | 0.31 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 533 | 617524 | 5583700 | 1038 | VAN13001954 | 0.4 | 36 | 5.8 | 70 | <0.1 | 22.2 | 11.6 | 799 | 2.65 | 3 | 1.7 | <0.1 | 198 | 0.1 | 0.2 | <0.1 | 55 | 0.76 | 0.039 | 19 | 26 | 0.59 | 154 | 0.062 | 5 | 2.37 | 0.025 | 0.38 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 534 | 617551 | 5583700 | 1042 | VAN13001954 | 0.5 | 27.3 | 4.9 | 58 | <0.1 | 18.9 | 10.9 | 486 | 2.34 | 1.4 | <0.5 | <0.1 | 127 | 0.1 | 0.1 | <0.1 | 55 | 0.61 | 0.036 | 13 | 25 | 0.59 | 163 | 0.102 | 5 | 2.26 | 0.027 | 0.32 | <0.1 | 0.02 | 6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 535 | 617574 | 5583692 | 1062 | VAN13001954 | 0.5 | 27.8 | 5.1 | 80 | <0.1 | 22.7 | 10.9 | 744 | 2.45 | 1.8 | 0.5 | <0.1 | 139 | 0.1 | 0.1 | <0.1 | 53 | 0.72 | 0.033 | 14 | 24 | 0.54 | 190 | 0.099 | 4 | 2.68 | 0.029 | 0.22 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 536 | 617601 | 5583699 | 1080 | VAN13001954 | 0.5 | 32.8 | 5.2 | 71 | <0.1 | 22.7 | 13.6 | 583 | 2.94 | 1.6 | 0.7 | <0.1 | 267 | 0.2 | 0.1 | <0.1 | 66 | 0.86 | 0.041 | 15 | 29 | 0.7 | 256 | 0.106 | 4 | 3.12 | 0.037 | 0.3 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 537 | 617625 | 5583699 | 1077 | VAN13001954 | 0.3 | 24.1 | 5.5 | 56 | <0.1 | 12.8 | 9.2 | 509 | 2.1 | 0.6 | <0.5 | <0.1 | 96 | <0.1 | 0.1 | 0.2 | 38 | 0.77 | 0.036 | 17 | 14 | 0.58 | 100 | 0.016 | 1 | 2.24 | 0.023 | 0.2 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 538 | 617649 | 5583700 | 1090 | VAN13001954 | 0.5 | 38.1 | 4.8 | 65 | <0.1 | 29.8 | 15.9 | 813 | 3.33 | 0.8 | <0.5 | <0.1 | 298 | 0.2 | 0.1 | 0.2 | 63 | 0.9 | 0.045 | 17 | 28 | 0.77 | 288 | 0.089 | 5 | 3.29 | 0.033 | 0.38 | <0.1 | 0.03 | 8.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 539 | 617675 | 5583698 | 1098 | VAN13001954 | 0.2 | 51.1 | 4.8 | 51 | <0.1 | 31.8 | 13.5 | 434 | 3.03 | 2.1 | 2.1 | <0.1 | 185 | <0.1 | 0.1 | 0.1 | 66 | 1.16 | 0.063 | 21 | 23 | 0.67 | 160 | 0.012 | 5 | 2.84 | 0.027 | 0.12 | <0.1 | 0.04 | 9.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 540 | 617700 | 5583700 | 1107 | VAN13001954 | 0.3 | 39.3 | 6 | 57 | <0.1 | 26 | 12.5 | 487 | 2.94 | 1.6 | 3.1 | <0.1 | 163 | <0.1 | 0.2 | 0.1 | 61 | 0.89 | 0.039 | 20 | 23 | 0.76 | 165 | 0.028 | 3 | 2.79 | 0.028 | 0.31 | <0.1 | 0.04 | 7.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 541 | 617725 | 5583700 | 1121 | VAN13001954 | 0.4 | 34.2 | 5.4 | 72 | <0.1 | 27.8 | 13.5 | 779 | 2.78 | 1 | 0.5 | <0.1 | 139 | 0.2 | 0.1 | <0.1 | 56 | 0.8 | 0.036 | 15 | 26 | 0.59 | 155 | 0.11 | 7 | 2.45 | 0.043 | 0.36 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 542 | 617750 | 5583701 | 1131 | VAN13001954 | 0.4 | 39.8 | 4.1 | 79 | <0.1 | 26 | 12.3 | 482 | 2.95 | 0.8 | <0.5 | <0.1 | 138 | <0.1 | 0.1 | <0.1 | 75 | 0.77 | 0.033 | 14 | 31 | 0.64 | 129 | 0.112 | 4 | 2.86 | 0.066 | 0.19 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 543 | 617774 | 5583700 | 1144 | VAN13001954 | 0.4 | 34.6 | 4.4 | 78 | <0.1 | 29.4 | 12.2 | 877 | 3.01 | 1.6 | <0.5 | <0.1 | 87 | <0.1 | 0.1 | <0.1 | 70 | 0.8 | 0.039 | 13 | 40 | 0.6 | 95 | 0.087 | 6 | 2.42 | 0.029 | 0.33 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 544 | 617799 | 5583700 | 1158 | VAN13001954 | 0.4 | 34.7 | 4.5 | 82 | <0.1 | 29.5 | 13 | 949 | 2.99 | 1.6 | <0.5 | <0.1 | 84 | 0.1 | 0.1 | <0.1 | 69 | 0.81 | 0.04 | 12 | 38 | 0.57 | 95 | 0.083 | 6 | 2.34 | 0.03 | 0.34 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 545 | 617824 | 5583700 | 1166 | VAN13001954 | 0.7 | 28.3 | 4.8 | 87 | <0.1 | 23.5 | 10.6 | 671 | 2.64 | 1.7 | <0.5 | <0.1 | 94 | 0.1 | 0.1 | 0.2 | 55 | 0.65 | 0.044 | 9 | 30 | 0.53 | 149 | 0.127 | 7 | 2.49 | 0.025 | 0.28 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 546 | 617851 | 5583699 | 1168 | VAN13001954 | 0.5 | 32.8 | 4.5 | 71 | <0.1 | 24.9 | 13 | 615 | 2.92 | 1.5 | <0.5 | <0.1 | 131 | <0.1 | 0.2 | <0.1 | 68 | 0.78 | 0.035 | 11 | 32 | 0.7 | 170 | 0.148 | 4 | 2.67 | 0.04 | 0.18 | <0.1 | 0.01 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 547 | 617876 | 5583700 | 1182 | VAN13001954 | 0.6 | 33.4 | 5 | 87 | <0.1 | 24.4 | 12.5 | 1212 | 2.49 | 2 | 0.6 | <0.1 | 108 | 0.1 | 0.2 | <0.1 | 55 | 0.81 | 0.046 | 12 | 28 | 0.59 | 178 | 0.11 | 7 | 2.57 | 0.026 | 0.35 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 548 | 617900 | 5583700 | 1190 | VAN13001954 | 0.6 | 24.5 | 3.7 | 82 | <0.1 | 20.2 | 8.7 | 720 | 1.9 | 1.6 | <0.5 | <0.1 | 72 | <0.1 | <0.1 | <0.1 | 44 | 0.56 | 0.034 | 6 | 22 | 0.48 | 116 | 0.087 | 3 | 2.07 | 0.027 | 0.11 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 549 | 617924 | 5583700 | 1217 | VAN13001954 | 0.4 | 37 | 5.3 | 77 | <0.1 | 31.8 | 14.3 | 935 | 2.68 | 1.4 | 0.6 | <0.1 | 118 | 0.1 | <0.1 | <0.1 | 60 | 0.8 | 0.038 | 14 | 40 | 0.67 | 160 | 0.077 | 8 | 2.92 | 0.04 | 0.29 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 550 | 617951 | 5583702 | 1228 | VAN13001954 | 0.5 | 33.3 | 4.6 | 81 | <0.1 | 36.8 | 14 | 1036 | 2.76 | 0.9 | 0.6 | <0.1 | 82 | 0.1 | <0.1 | <0.1 | 54 | 0.68 | 0.032 | 10 | 36 | 0.65 | 123 | 0.109 | 11 | 2.34 | 0.043 | 0.32 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 551 | 617974 | 5583701 | 1237 | VAN13001954 | 0.6 | 26.9 | 4.7 | 97 | <0.1 | 22.8 | 10.6 | 1178 | 2.37 | 1.4 | 0.7 | <0.1 | 76 | 0.2 | 0.1 | <0.1 | 53 | 0.57 | 0.031 | 6 | 26 | 0.55 | 145 | 0.132 | 6 | 2.13 | 0.028 | 0.22 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 552 | 618000 | 5583701 | 1241 | VAN13001954 | 0.5 | 34.5 | 4.8 | 94 | <0.1 | 28 | 12.1 | 691 | 2.65 | 1.3 | <0.5 | <0.1 | 71 | 0.1 | 0.1 | <0.1 | 63 | 0.54 | 0.025 | 9 | 33 | 0.66 | 126 | 0.16 | 5 | 2.48 | 0.041 | 0.2 | <0.1 | <0.01 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 553 | 618025 | 5583701 | 1256 | VAN13001954 | 0.5 | 25.9 | 4.6 | 77 | <0.1 | 20.7 | 9.7 | 811 | 2.18 | 1.2 | 0.5 | <0.1 | 77 | 0.2 | 0.1 | <0.1 | 44 | 0.69 | 0.03 | 9 | 26 | 0.45 | 132 | 0.13 | 8 | 2.14 | 0.032 | 0.29 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 554 | 618050 | 5583700 | 1273 | VAN13001954 | 0.3 | 44.4 | 4.2 | 67 | <0.1 | 37.4 | 16.4 | 662 | 3.19 | 1.3 | <0.5 | <0.1 | 86 | 0.2 | <0.1 | <0.1 | 77 | 0.81 | 0.03 | 15 | 44 | 0.86 | 113 | 0.184 | 4 | 2.57 | 0.067 | 0.25 | <0.1 | 0.02 | 9.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 555 | 618074 | 5583699 | 1284 | VAN13001954 | 0.3 | 42.7 | 4.8 | 62 | <0.1 | 36.6 | 15.5 | 591 | 3.22 | 1.6 | <0.5 | <0.1 | 104 | 0.1 | 0.1 | <0.1 | 79 | 0.84 | 0.047 | 17 | 50 | 1.06 | 144 | 0.142 | 5 | 2.52 | 0.053 | 0.21 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 556 | 618100 | 5583700 | 1294 | VAN13001954 | 0.4 | 33.5 | 7.5 | 101 | <0.1 | 27.1 | 13.7 | 1044 | 2.63 | 1.6 | <0.5 | <0.1 | 104 | 0.2 | 0.1 | <0.1 | 52 | 0.77 | 0.031 | 10 | 32 | 0.65 | 184 | 0.132 | 5 | 2.51 | 0.039 | 0.26 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 557 | 618125 | 5583699 | 1294 | VAN13001954 | 0.4 | 33.4 | 4.3 | 82 | <0.1 | 23 | 14.3 | 671 | 2.96 | 1 | <0.5 | <0.1 | 97 | 0.1 | <0.1 | <0.1 | 72 | 0.58 | 0.035 | 13 | 31 | 0.61 | 131 | 0.157 | 3 | 2.41 | 0.06 | 0.15 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te | | |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|--|--|
| GP 13 EH 601 | 618200 | 5583900 | 1263 | VAN13001954 | 0.2 | 41.4 | 4.5 | 59 | <0.1 | 41.5 | 14.2 | 454 | 3.27 | 0.8 | <0.5 | <0.1 | 112 | 0.1 | 0.1 | <0.1 | 65 | 0.64 | 0.021 | 16 | 47 | 1.15 | 166 | 0.137 | 2 | 2.83 | 0.038 | 0.2 | <0.1 | 0.02 | 10.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | |
| GP 13 EH 602 | 618224 | 5583899 | 1261 | VAN13001954 | 0.5 | 28.1 | 5.1 | 75 | <0.1 | 26.9 | 12.4 | 1081 | 2.52 | 1 | <0.5 | <0.1 | 84 | 0.2 | 0.2 | <0.1 | 60 | 0.55 | 0.021 | 11 | 36 | 0.46 | 146 | 0.135 | 2 | 1.95 | 0.036 | 0.23 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 603 | 618250 | 5583900 | 1258 | VAN13001954 | 0.4 | 33 | 4.6 | 68 | <0.1 | 30.2 | 12 | 619 | 2.86 | 1.2 | <0.5 | <0.1 | 92 | <0.1 | 0.1 | <0.1 | 64 | 0.62 | 0.031 | 13 | 38 | 0.54 | 121 | 0.138 | 5 | 2.14 | 0.035 | 0.35 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 604 | 618275 | 5583900 | 1253 | VAN13001954 | 0.4 | 25.9 | 3.8 | 59 | <0.1 | 24.1 | 10.2 | 571 | 2.45 | 0.7 | <0.5 | <0.1 | 83 | <0.1 | 0.1 | <0.1 | 57 | 0.54 | 0.023 | 13 | 32 | 0.42 | 112 | 0.123 | 3 | 1.82 | 0.04 | 0.27 | <0.1 | 0.01 | 7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 605 | 618300 | 5583900 | 1247 | VAN13001954 | 0.4 | 33.8 | 4.5 | 54 | <0.1 | 18 | 11.9 | 821 | 2.26 | <0.5 | <0.5 | <0.1 | 67 | <0.1 | <0.1 | <0.1 | 74 | 0.45 | 0.017 | 10 | 17 | 0.4 | 74 | 0.228 | 1 | 1.34 | 0.068 | 0.17 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 606 | 618325 | 5583902 | 1246 | VAN13001954 | 0.3 | 45.1 | 3.7 | 69 | <0.1 | 29.3 | 15.1 | 551 | 3.67 | 0.7 | <0.5 | <0.1 | 65 | <0.1 | <0.1 | <0.1 | 79 | 0.67 | 0.039 | 13 | 25 | 1.31 | 55 | 0.2 | 3 | 2.05 | 0.056 | 0.27 | <0.1 | 0.01 | 12.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 EH 607 | 618349 | 5583900 | 1241 | VAN13001954 | 0.3 | 38.7 | 4.3 | 66 | <0.1 | 26.6 | 13.4 | 593 | 3.03 | <0.5 | 1.4 | <0.1 | 58 | 0.1 | <0.1 | 0.4 | 65 | 0.5 | 0.019 | 12 | 25 | 0.79 | 64 | 0.199 | 3 | 1.89 | 0.046 | 0.32 | <0.1 | 0.01 | 9.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 608 | 618375 | 5583899 | 1238 | VAN13001954 | 0.4 | 30.1 | 5.1 | 58 | <0.1 | 20.9 | 11.4 | 703 | 2.53 | 0.7 | 2.6 | <0.1 | 91 | 0.1 | <0.1 | 0.2 | 59 | 0.57 | 0.019 | 12 | 23 | 0.56 | 99 | 0.162 | 3 | 1.78 | 0.05 | 0.27 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 609 | 618400 | 5583900 | 1238 | VAN13001954 | 0.2 | 34.3 | 5.4 | 60 | <0.1 | 25.6 | 13.6 | 692 | 2.66 | 0.9 | <0.5 | <0.1 | 124 | <0.1 | 0.1 | 0.1 | 65 | 0.62 | 0.02 | 15 | 24 | 0.64 | 139 | 0.16 | 3 | 1.78 | 0.047 | 0.22 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 610 | 617624 | 5583949 | 1073 | VAN13001954 | 0.4 | 29.7 | 7.3 | 74 | <0.1 | 18.8 | 7.4 | 501 | 2.16 | 2.7 | 1.1 | <0.1 | 118 | 0.1 | 0.2 | 0.1 | 50 | 0.79 | 0.035 | 16 | 22 | 0.55 | 146 | 0.105 | 5 | 1.83 | 0.026 | 0.32 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 611 | 617600 | 5583952 | 1067 | VAN13001954 | 0.4 | 25.4 | 5 | 107 | <0.1 | 17.5 | 8.1 | 552 | 2.13 | 2 | 1 | <0.1 | 97 | 0.2 | 0.1 | <0.1 | 48 | 0.62 | 0.033 | 7 | 21 | 0.55 | 147 | 0.126 | 7 | 1.96 | 0.024 | 0.3 | <0.1 | <0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 612 | 617574 | 5583950 | 1068 | VAN13001954 | 0.3 | 31.3 | 8 | 67 | <0.1 | 17.5 | 7.9 | 432 | 2.39 | 6.4 | 3.9 | <0.1 | 88 | <0.1 | 0.3 | <0.1 | 48 | 0.65 | 0.028 | 16 | 21 | 0.44 | 204 | 0.094 | 10 | 2.01 | 0.021 | 0.34 | <0.1 | 0.01 | 5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 613 | 617551 | 5583950 | 1075 | VAN13001954 | 0.4 | 29.7 | 10.1 | 101 | 0.2 | 14.3 | 8.1 | 828 | 2.33 | 12.8 | 4.1 | <0.1 | 109 | 0.1 | 0.4 | <0.1 | 47 | 0.83 | 0.045 | 16 | 16 | 0.35 | 189 | 0.078 | 6 | 1.93 | 0.021 | 0.19 | <0.1 | 0.04 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 614 | 617526 | 5583950 | 1069 | VAN13001954 | 0.3 | 26.7 | 6 | 53 | <0.1 | 16 | 7.2 | 380 | 2.16 | 2.1 | 1.2 | <0.1 | 131 | <0.1 | 0.2 | <0.1 | 57 | 0.55 | 0.019 | 14 | 20 | 0.43 | 151 | 0.129 | 5 | 1.58 | 0.027 | 0.24 | <0.1 | <0.01 | 5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 615 | 617499 | 5583950 | 1066 | VAN13001954 | 0.3 | 27.1 | 6.5 | 54 | <0.1 | 14.9 | 6.8 | 445 | 2.1 | 4.5 | 0.6 | <0.1 | 118 | 0.1 | 0.3 | <0.1 | 47 | 0.62 | 0.02 | 17 | 17 | 0.37 | 135 | 0.088 | 4 | 1.47 | 0.023 | 0.22 | <0.1 | 0.01 | 5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 616 | 617474 | 5583950 | 1060 | VAN13001954 | 0.3 | 31 | 6.3 | 63 | <0.1 | 15.7 | 7.4 | 407 | 2.42 | 4.3 | 1.3 | <0.1 | 111 | <0.1 | 0.3 | <0.1 | 49 | 0.72 | 0.032 | 19 | 22 | 0.4 | 105 | 0.078 | 7 | 1.66 | 0.021 | 0.23 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 617 | 617450 | 5583949 | 1049 | VAN13001954 | 0.3 | 28.6 | 6.9 | 69 | <0.1 | 19.2 | 9.3 | 698 | 2.21 | 2.6 | <0.5 | <0.1 | 113 | <0.1 | 0.2 | <0.1 | 54 | 0.6 | 0.022 | 16 | 23 | 0.46 | 149 | 0.116 | 5 | 1.64 | 0.027 | 0.25 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 618 | 617426 | 5583950 | 1039 | VAN13001954 | 0.3 | 29.2 | 5.5 | 59 | <0.1 | 18.6 | 8.2 | 443 | 2.22 | 2 | 1.6 | <0.1 | 99 | 0.1 | 0.2 | <0.1 | 58 | 0.63 | 0.023 | 14 | 26 | 0.49 | 162 | 0.123 | 6 | 1.71 | 0.028 | 0.3 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 619 | 617401 | 5583950 | 1029 | VAN13001954 | 0.4 | 39.6 | 6.5 | 65 | 0.1 | 23.8 | 8.7 | 392 | 2.53 | 3.6 | 6.3 | <0.1 | 108 | <0.1 | 0.3 | 0.2 | 56 | 0.94 | 0.052 | 14 | 28 | 0.56 | 187 | 0.099 | 12 | 1.93 | 0.023 | 0.29 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 620 | 617650 | 5583950 | 1090 | VAN13001954 | 0.4 | 23.3 | 6.3 | 75 | <0.1 | 15.4 | 7 | 435 | 2.16 | 2 | <0.5 | <0.1 | 107 | 0.1 | 0.2 | <0.1 | 53 | 0.69 | 0.034 | 16 | 23 | 0.46 | 119 | 0.118 | 7 | 1.73 | 0.029 | 0.32 | <0.1 | 0.01 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 621 | 617674 | 5583950 | 1097 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 622 | 617700 | 5583947 | 1116 | VAN13001954 | 0.3 | 30.2 | 8.3 | 78 | <0.1 | 20.6 | 9.7 | 875 | 2.44 | 2 | 0.8 | <0.1 | 114 | 0.1 | 0.6 | <0.1 | 59 | 0.76 | 0.041 | 17 | 24 | 0.51 | 173 | 0.116 | 4 | 2.44 | 0.028 | 0.31 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 EH 623 | 617725 | 5583952 | 1126 | VAN13001954 | 0.5 | 23.8 | 9.3 | 61 | <0.1 | 16.5 | 9.6 | 1019 | 2.24 | 2.1 | 73 | <0.1 | 102 | <0.1 | 0.3 | <0.1 | 58 | 0.69 | 0.022 | 27 | 20 | 0.42 | 158 | 0.125 | 4 | 2.2 | 0.028 | 0.26 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 EH 624 | 617751 | 5583949 | 1116 | VAN13001954 | 0.5 | 14.2 | 4.2 | 78 | <0.1 | 12.6 | 5.5 | 458 | 1.66 | 0.6 | <0.5 | <0.1 | 91 | <0.1 | 0.1 | <0.1 | 44 | 0.49 | 0.015 | 8 | 15 | 0.42 | 129 | 0.107 | 3 | 1.6 | 0.025 | 0.29 | <0.1 | 0.02 | 3.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 625 | 617774 | 5583951 | 1126 | VAN13001954 | 0.3 | 18.6 | 6.5 | 74 | <0.1 | 14.1 | 7.6 | 548 | 2.31 | 1.4 | 1.1 | <0.1 | 133 | <0.1 | 0.2 | <0.1 | 55 | 0.7 | 0.038 | 16 | 15 | 0.58 | 174 | 0.126 | 5 | 1.92 | 0.063 | 0.53 | <0.1 | 0.02 | 3.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 626 | 617799 | 5583950 | 1136 | VAN13001954 | 0.5 | 18.6 | 4.9 | 57 | <0.1 | 16.5 | 8.2 | 351 | 2.33 | 0.7 | 0.8 | <0.1 | 145 | <0.1 | 0.2 | <0.1 | 68 | 0.64 | 0.031 | 16 | 21 | 0.54 | 164 | 0.126 | 3 | 1.68 | 0.043 | 0.48 | <0.1 | 0.01 | 3.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 627 | 617826 | 5583950 | 1143 | VAN13001954 | 0.7 | 25.9 | 5.5 | 61 | <0.1 | 20.5 | 10.8 | 959 | 2.13 | 0.8 | 1.2 | <0.1 | 127 | 0.1 | 0.1 | <0.1 | 56 | 0.72 | 0.028 | 13 | 22 | 0.47 | 177 | 0.07 | 5 | 2.11 | 0.042 | 0.31 | <0.1 | 0.03 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 628 | 617848 | 5583951 | 1152 | VAN13001954 | 0.4 | 29.3 | 5.6 | 61 | <0.1 | 19.3 | 9.6 | 568 | 2.43 | 1.3 | 1.5 | <0.1 | 127 | 0.1 | 0.2 | <0.1 | 53 | 0.71 | 0.04 | 20 | 21 | 0.59 | 158 | 0.05 | 6 | 2.02 | 0.1 | 0.29 | <0.1 | 0.06 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 629 | 617875 | 5583954 | 1161 | VAN13001954 | 0.7 | 22.6 | 4.6 | 78 | <0.1 | 18.3 | 8.3 | 976 | 2 | 1.3 | 1.3 | <0.1 | 109 | 0.1 | 0.1 | <0.1 | 46 | 0.65 | 0.037 | 11 | 20 | 0.51 | 193 | 0.094 | 7 | 1.84 | 0.026 | 0.37 | <0.1 | <0.01 | 4.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 630 | 617900 | 5583949 | 1172 | VAN13001954 | 0.6 | 31.2 | 5.4 | 64 | <0.1 | 24.1 | 10.9 | 642 | 2.53 | 1.5 | <0.5 | <0.1 | 124 | 0.1 | 0.2 | <0.1 | 61 | 0.72 | 0.027 | 16 | 30 | 0.59 | 165 | 0.124 | 4 | 2.19 | 0.037 | 0.31 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 631 | 617925 | 5583948 | 1183 | VAN13001954 | 0.5 | 32.3 | 4.5 | 74 | <0.1 | 23.2 | 10.4 | 772 | 2.64 | 0.9 | 14.9 | <0.1 | 115 | 0.2 | 0.2 | <0.1 | 63 | 0.74 | 0.029 | 15 | 27 | 0.61 | 149 | 0.117 | 6 | 2.36 | 0.035 | 0.33 | <0.1 | 0.01 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 632 | 617949 | 5583950 | 1195 | VAN13001954 | 0.5 | 32.3 | 4.6 | 66 | <0.1 | 20.7 | 8.7 | 381 | 2.58 | 1.5 | <0.5 | <0.1 | 155 | <0.1 | 0.2 | <0.1 | 65 | 0.76 | 0.029 | 16 | 28 | 0.57 | 167 | 0.108 | 3 | 2.31 | 0.044 | 0.24 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 633 | 617975 | 5583951 | 1206 | VAN13001954 | 0.3 | 34 | 4.2 | 67 | <0.1 | 25 | 10.3</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 EH 676 | 618000 | 5584149 | 1181 | VAN13001954 | 0.4 | 35.4 | 4.5 | 80 | <0.1 | 22.4 | 12.2 | 884 | 2.67 | 0.8 | 5.7 | <0.1 | 194 | 0.1 | 0.1 | <0.1 | 54 | 0.86 | 0.043 | 14 | 25 | 0.53 | 248 | 0.059 | 8 | 2.76 | 0.03 | 0.4 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 677 | 618025 | 5584150 | 1193 | VAN13001954 | 0.5 | 30.6 | 4.6 | 91 | <0.1 | 22.7 | 10.8 | 929 | 2.67 | 1 | <0.5 | <0.1 | 107 | 0.1 | 0.1 | <0.1 | 52 | 0.8 | 0.045 | 10 | 28 | 0.53 | 143 | 0.112 | 8 | 2.36 | 0.033 | 0.27 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 678 | 618050 | 5584149 | 1207 | VAN13001954 | 0.5 | 30.3 | 5 | 73 | <0.1 | 22 | 10.4 | 767 | 2.78 | 1.1 | <0.5 | <0.1 | 114 | <0.1 | 0.2 | <0.1 | 66 | 0.65 | 0.031 | 12 | 31 | 0.53 | 126 | 0.143 | 6 | 2.44 | 0.04 | 0.21 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 679 | 618075 | 5584150 | 1215 | VAN13001954 | 0.5 | 38.9 | 4.4 | 79 | <0.1 | 29.4 | 13.8 | 852 | 3.23 | 0.7 | <0.5 | <0.1 | 85 | 0.1 | 0.1 | <0.1 | 72 | 0.7 | 0.033 | 14 | 39 | 0.82 | 112 | 0.157 | 5 | 2.72 | 0.042 | 0.18 | <0.1 | 0.02 | 9.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 680 | 618099 | 5584148 | 1225 | VAN13001954 | 0.4 | 32.1 | 4.4 | 83 | <0.1 | 26.8 | 12.4 | 704 | 2.88 | 0.8 | <0.5 | <0.1 | 93 | 0.2 | <0.1 | 0.2 | 59 | 0.7 | 0.041 | 12 | 30 | 0.58 | 113 | 0.163 | 5 | 2.3 | 0.039 | 0.23 | <0.1 | 0.02 | 8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 681 | 618125 | 5584150 | 1233 | VAN13001954 | 0.5 | 38.8 | 4.8 | 64 | <0.1 | 24.3 | 12.8 | 651 | 3.28 | <0.5 | <0.5 | <0.1 | 123 | 0.2 | <0.1 | <0.1 | 76 | 0.81 | 0.035 | 11 | 21 | 0.6 | 134 | 0.23 | 4 | 2.18 | 0.072 | 0.22 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 682 | 618150 | 5584149 | 1234 | VAN13001954 | 0.5 | 27 | 4.4 | 85 | <0.1 | 25.1 | 12.2 | 704 | 2.61 | 0.8 | <0.5 | <0.1 | 88 | 0.2 | <0.1 | <0.1 | 57 | 0.52 | 0.028 | 11 | 30 | 0.58 | 139 | 0.185 | 3 | 2.2 | 0.036 | 0.15 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 683 | 618175 | 5584150 | 1235 | VAN13001954 | 0.5 | 22 | 4.8 | 72 | <0.1 | 20.6 | 10.5 | 756 | 2.24 | 0.5 | 0.6 | <0.1 | 76 | 0.1 | 0.1 | <0.1 | 55 | 0.46 | 0.023 | 7 | 26 | 0.45 | 128 | 0.158 | 3 | 1.85 | 0.039 | 0.12 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 684 | 618199 | 5584149 | 1229 | VAN13001954 | 0.4 | 36.6 | 3.9 | 82 | <0.1 | 25.1 | 12.9 | 684 | 3.05 | 0.5 | <0.5 | <0.1 | 91 | 0.1 | <0.1 | 0.2 | 68 | 0.62 | 0.03 | 17 | 31 | 0.82 | 91 | 0.181 | 3 | 2.12 | 0.047 | 0.22 | <0.1 | 0.01 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 685 | 618224 | 5584150 | 1222 | VAN13001954 | 0.1 | 20.3 | 5 | 27 | <0.1 | 12.8 | 4.2 | 138 | 1.16 | 1.6 | <0.5 | <0.1 | 42 | <0.1 | <0.1 | 0.1 | 21 | 0.39 | 0.021 | 11 | 12 | 0.39 | 124 | 0.083 | 4 | 1.82 | 0.047 | 0.07 | <0.1 | 0.01 | 3.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 686 | 618249 | 5584150 | 1227 | VAN13001954 | 0.4 | 26.2 | 5.1 | 60 | <0.1 | 20 | 8.9 | 349 | 2.52 | 1.8 | 0.7 | <0.1 | 93 | 0.1 | 0.3 | 0.2 | 59 | 0.53 | 0.031 | 17 | 30 | 0.55 | 215 | 0.144 | 3 | 2.37 | 0.034 | 0.14 | <0.1 | 0.04 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 687 | 618277 | 5584149 | 1235 | VAN13001954 | 0.4 | 21.7 | 5.6 | 137 | <0.1 | 14.1 | 6.7 | 1155 | 2.14 | 1.8 | 1.2 | <0.1 | 78 | 0.1 | 0.3 | <0.1 | 50 | 0.72 | 0.047 | 15 | 22 | 0.4 | 309 | 0.12 | 5 | 2.14 | 0.029 | 0.14 | <0.1 | 0.24 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 688 | 618300 | 5584149 | 1239 | VAN13001954 | 0.6 | 25.2 | 5.8 | 90 | <0.1 | 19.3 | 8.9 | 997 | 2.43 | 2.5 | 19.7 | <0.1 | 87 | 0.2 | 0.3 | <0.1 | 57 | 0.64 | 0.035 | 16 | 25 | 0.4 | 174 | 0.119 | 4 | 2.24 | 0.025 | 0.2 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 689 | 618324 | 5584150 | 1235 | VAN13001954 | 0.6 | 22.6 | 6 | 62 | <0.1 | 17.8 | 8.5 | 573 | 2.17 | 3.7 | <0.5 | <0.1 | 98 | 0.1 | 0.4 | <0.1 | 58 | 0.55 | 0.025 | 14 | 26 | 0.4 | 170 | 0.128 | 4 | 1.75 | 0.024 | 0.21 | <0.1 | 0.05 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 690 | 618349 | 5584145 | 1228 | VAN13001954 | 0.6 | 22.8 | 5.3 | 61 | <0.1 | 15 | 6.8 | 532 | 2.08 | 2.5 | 0.8 | <0.1 | 87 | <0.1 | 0.3 | <0.1 | 53 | 0.48 | 0.024 | 12 | 21 | 0.37 | 143 | 0.127 | 5 | 1.41 | 0.034 | 0.32 | <0.1 | 0.06 | 4.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 691 | 618375 | 5584141 | 1226 | VAN13001954 | 0.4 | 16.3 | 5.5 | 40 | <0.1 | 8.4 | 5.2 | 213 | 1.64 | 1.4 | <0.5 | <0.1 | 185 | <0.1 | 0.2 | <0.1 | 45 | 0.55 | 0.026 | 5 | 15 | 0.38 | 349 | 0.106 | 2 | 1.33 | 0.109 | 0.13 | <0.1 | 0.01 | 2.4 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| GP 13 EH 692 | 618401 | 5584146 | 1225 | VAN13001954 | 0.6 | 21.6 | 4.6 | 64 | <0.1 | 15.8 | 8.4 | 689 | 1.79 | 1.7 | 0.9 | <0.1 | 75 | <0.1 | 0.2 | <0.1 | 51 | 0.52 | 0.037 | 7 | 22 | 0.41 | 163 | 0.112 | 3 | 1.66 | 0.035 | 0.15 | <0.1 | 0.03 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 693 | 618402 | 5584249 | 1209 | VAN13001954 | 0.5 | 19.4 | 4.7 | 54 | <0.1 | 15 | 6.2 | 507 | 1.97 | 2.2 | 1.1 | <0.1 | 93 | <0.1 | 0.3 | <0.1 | 48 | 0.5 | 0.021 | 12 | 21 | 0.37 | 143 | 0.109 | 4 | 1.71 | 0.028 | 0.16 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 694 | 618375 | 5584250 | 1232 | VAN13001954 | 0.4 | 13.9 | 5.4 | 39 | <0.1 | 8.1 | 5.1 | 565 | 1.48 | 1.4 | 0.7 | <0.1 | 235 | <0.1 | 0.2 | <0.1 | 37 | 0.63 | 0.015 | 13 | 13 | 0.33 | 441 | 0.075 | 2 | 1.57 | 0.072 | 0.22 | <0.1 | 0.03 | 3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 695 | 618350 | 5584252 | 1231 | VAN13001954 | 0.3 | 18.9 | 6.2 | 56 | <0.1 | 10.6 | 5.7 | 661 | 1.77 | 1.3 | <0.5 | <0.1 | 208 | 0.1 | 0.1 | <0.1 | 40 | 0.84 | 0.038 | 18 | 17 | 0.36 | 592 | 0.065 | 7 | 2.09 | 0.028 | 0.33 | <0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 696 | 618326 | 5584251 | 1225 | VAN13001954 | 0.5 | 25.3 | 5.6 | 68 | <0.1 | 18.1 | 7.8 | 682 | 2.24 | 1.8 | <0.5 | <0.1 | 85 | 0.1 | 0.2 | <0.1 | 48 | 0.68 | 0.027 | 17 | 26 | 0.4 | 143 | 0.096 | 4 | 2.12 | 0.03 | 0.22 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 697 | 618300 | 5584251 | 1221 | VAN13001954 | 0.4 | 26 | 4.6 | 71 | 0.2 | 19.7 | 8.8 | 477 | 2.28 | 2.6 | 1.6 | <0.1 | 57 | <0.1 | 0.2 | <0.1 | 51 | 0.54 | 0.037 | 8 | 24 | 0.49 | 119 | 0.113 | 4 | 2.05 | 0.024 | 0.19 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 698 | 618275 | 5584250 | 1219 | VAN13001954 | 0.3 | 29.7 | 4.5 | 69 | <0.1 | 19.4 | 9.2 | 467 | 2.43 | 1.2 | 0.7 | <0.1 | 87 | 0.1 | 0.1 | <0.1 | 53 | 0.51 | 0.04 | 7 | 24 | 0.52 | 135 | 0.138 | 6 | 2.15 | 0.028 | 0.18 | <0.1 | 0.02 | 5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 699 | 618251 | 5584250 | 1218 | VAN13001954 | 0.6 | 26.2 | 3.4 | 115 | <0.1 | 21.1 | 8.5 | 778 | 2.19 | 0.8 | <0.5 | <0.1 | 56 | <0.1 | <0.1 | <0.1 | 42 | 0.45 | 0.069 | 4 | 23 | 0.53 | 143 | 0.116 | 3 | 1.94 | 0.022 | 0.16 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 700 | 618224 | 5584251 | 1224 | VAN13001954 | 0.5 | 32.7 | 4 | 101 | <0.1 | 24.8 | 12.9 | 1124 | 3.11 | <0.5 | <0.5 | <0.1 | 73 | 0.2 | <0.1 | <0.1 | 78 | 0.63 | 0.041 | 10 | 23 | 0.65 | 107 | 0.181 | 4 | 2 | 0.047 | 0.13 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 701 | 618200 | 5584251 | 1228 | VAN13001954 | 0.5 | 25.6 | 4.7 | 59 | <0.1 | 19.5 | 12.8 | 441 | 2.52 | 1.8 | 0.7 | <0.1 | 84 | <0.1 | 0.1 | <0.1 | 68 | 0.57 | 0.027 | 6 | 26 | 0.58 | 113 | 0.174 | 2 | 2.35 | 0.038 | 0.07 | <0.1 | <0.01 | 6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 702 | 618175 | 5584253 | 1227 | VAN13001954 | 0.4 | 38.8 | 4.1 | 64 | 0.1 | 29.1 | 15 | 380 | 3.31 | 1.7 | <0.5 | <0.1 | 92 | 0.2 | 0.1 | <0.1 | 84 | 0.71 | 0.052 | 16 | 35 | 0.58 | 89 | 0.212 | 3 | 2.11 | 0.036 | 0.11 | <0.1 | 0.03 | 9.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 703 | 618150 | 5584250 | 1223 | VAN13001954 | 0.5 | 26.6 | 5.2 | 60 | <0.1 | 24.2 | 13 | 446 | 2.85 | 1.5 | 0.7 | <0.1 | 78 | 0.1 | 0.1 | <0.1 | 72 | 0.66 | 0.037 | 9 | 32 | 0.55 | 114 | 0.182 | 3 | 2.59 | 0.033 | 0.1 | <0.1 | <0.01 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 704 | 618126 | 5584250 | 1214 | VAN13001954 | 0.5 | 32.1 | 3.8 | 114 | <0.1 | 24.1 | 11.5 | 721 | 2.98 | 0.9 | <0.5 | <0.1 | 63 | 0.1 | <0.1 | <0.1 | 64 | 0.66 | 0.044 | 11 | 33 | 0.68 | 108 | 0.15 | 5 | 2.3 | 0.029 | 0.11 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 705 | 618100 | 5584251 | 1206 | VAN13001954 | 0.5 | 43.7 | 3.8 | 70 | <0.1 | 34.7 | 14.2 | 627 | 3.12 | 2.6 | <0.5 | <0.1 | 91 | <0.1 | <0.1 | <0.1 | 75 | 0.97 | 0.056 | 25 | 30 | 0.72 | 142 | 0.082 | 7 | 2.56 | 0.03 | 0.11 | <0.1 | 0.03 | 9.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 706 | 618074 | 5584250 | 1195 | VAN13001954 | 0.7 | 36.9 | 4.2 | 97 | <0.1 | 25.1 | 12.4 | 909 | 2.64 | 1.3 | <0.5 | <0.1 | 97 | 0.1 | <0.1 | <0.1 | 55 | 0.64 | 0.046 | 13 | 29 | 0.54 | 229 | 0.102 | 5 | 2.61 | 0.025 | 0.26 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 707 | 618051 | 5584251 | 1189 | VAN13001954 | 0.5 | 30.9 | 4.1 | 121 | <0.1 | 20.2 | 8.9 | 958 | 2.2 | 1.7 | <0.5 | <0.1 | 106 | 0.1 | 0.1 | <0.1 | 47 | 0.65 | 0.047 | 7 | 21 | 0.46 | 178 | 0.097 | 6 | 2.24 | 0.024 | 0.28 | <0.1 | 0.03 | 5. | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te | | | |
|---------------|--------|-----------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|--|--|--|
| GP 13 EH 751 | 618125 | 5584500 | 1170 | VAN13001955 | 0.5 | 58.4 | 4.8 | 61 | <0.1 | 20 | 14.6 | 730 | 3.04 | 3 | 1.5 | 1.6 | 92 | 0.2 | 0.6 | 0.2 | 66 | 1.11 | 0.087 | 11 | 15 | 1.05 | 105 | 0.101 | 10 | 2.19 | 0.028 | 0.25 | <0.1 | 0.04 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | | |
| GP 13 EH 752 | 618099 | 5584501 | 1165 | VAN13001955 | 0.6 | 13.4 | 3.3 | 56 | <0.1 | 10.8 | 5.6 | 381 | 1.23 | 1.9 | 0.5 | 0.4 | 38 | <0.1 | 0.2 | <0.1 | 31 | 0.34 | 0.05 | 3 | 13 | 0.34 | 78 | 0.065 | 3 | 1.45 | 0.014 | 0.07 | <0.1 | 0.01 | 2.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | | |
| GP 13 EH 753 | 618075 | 5584499 | 1168 | VAN13001955 | 0.7 | 23.3 | 4.6 | 105 | 0.1 | 20.8 | 8.8 | 1432 | 1.86 | 2.7 | 2.8 | 1.1 | 72 | 0.2 | 0.2 | <0.1 | 43 | 0.62 | 0.037 | 7 | 19 | 0.43 | 156 | 0.092 | 5 | 2.1 | 0.024 | 0.15 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | | |
| GP 13 EH 754 | 618051 | 5584500 | 1174 | VAN13001955 | 0.8 | 30.1 | 7.3 | 74 | 0.1 | 24.9 | 12.7 | 1449 | 2.71 | 3.3 | 6.5 | 1.9 | 93 | 0.2 | 0.2 | 0.1 | 68 | 0.66 | 0.032 | 14 | 29 | 0.58 | 189 | 0.137 | 4 | 3.24 | 0.027 | 0.12 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 8 | 0.6 | <0.2 | | | |
| GP 13 EH 755 | 617976 | 5584450 | 1169 | VAN13001955 | 0.6 | 30 | 6.1 | 56 | <0.1 | 21 | 9.7 | 819 | 2.25 | 2.9 | 2 | 1.9 | 123 | 0.2 | 0.5 | <0.1 | 61 | 0.58 | 0.017 | 16 | 29 | 0.47 | 175 | 0.134 | 3 | 1.92 | 0.027 | 0.26 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | | |
| GP 13 EH 756 | 618000 | 5584450 | 1176 | VAN13001955 | 0.8 | 43.9 | 9.5 | 79 | 0.1 | 22.5 | 12.4 | 2407 | 2.61 | 6.8 | 11.3 | 2.5 | 85 | 0.2 | 0.5 | 0.1 | 69 | 1 | 0.044 | 25 | 26 | 0.54 | 207 | 0.115 | 3 | 3.08 | 0.021 | 0.27 | <0.1 | 0.05 | 6.6 | <0.1 | <0.05 | 8 | 0.6 | <0.2 | | | |
| GP 13 EH 757 | 618026 | 5584450 | 1178 | VAN13001955 | 0.6 | 25.1 | 6.5 | 74 | <0.1 | 21.9 | 10.2 | 1027 | 2.44 | 2.6 | 3.3 | 1.9 | 103 | 0.2 | 0.4 | 0.1 | 65 | 0.6 | 0.014 | 14 | 28 | 0.49 | 167 | 0.121 | 3 | 2.02 | 0.023 | 0.26 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | | |
| GP 13 EH 758 | 618050 | 5584450 | 1181 | VAN13001955 | 0.9 | 44.4 | 10.8 | 148 | 0.5 | 27.8 | 14.1 | 3283 | 2.79 | 13.4 | 84.9 | 1.5 | 100 | 0.7 | 0.6 | 0.1 | 67 | 1.15 | 0.08 | 18 | 28 | 0.65 | 294 | 0.109 | 4 | 3.15 | 0.021 | 0.19 | <0.1 | 0.07 | 6.2 | <0.1 | <0.05 | 9 | 0.6 | <0.2 | | | |
| GP 13 EH 759 | 618075 | 5584449 | 1163 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 760 | 618099 | 5584451 | 1161 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 761 | 618126 | 5584451 | 1170 | VAN13001955 | 0.4 | 41.4 | 3.1 | 62 | <0.1 | 22 | 13.9 | 662 | 3.32 | 4 | <0.5 | 1.5 | 79 | 0.1 | 0.9 | <0.1 | 82 | 0.77 | 0.064 | 12 | 19 | 0.79 | 105 | 0.144 | 8 | 2.04 | 0.027 | 0.25 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | | |
| GP 13 EH 762 | 618149 | 5584451 | 1186 | VAN13001955 | 0.5 | 50.6 | 4.5 | 69 | <0.1 | 21.1 | 14.7 | 674 | 3.41 | 3.2 | 0.5 | 1.6 | 112 | 0.2 | 1.5 | <0.1 | 100 | 0.69 | 0.046 | 13 | 20 | 0.8 | 108 | 0.174 | 5 | 2.17 | 0.028 | 0.22 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | | |
| GP 13 EH 763 | 618175 | 5584450 | 1200 | VAN13001955 | 0.5 | 64.1 | 5.6 | 83 | <0.1 | 45.4 | 19.3 | 959 | 3.84 | 4.1 | 1.4 | 1.5 | 77 | 0.1 | 2.4 | <0.1 | 111 | 0.89 | 0.075 | 10 | 29 | 1.11 | 105 | 0.199 | 5 | 2.37 | 0.04 | 0.23 | 0.1 | 0.03 | 9.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | | |
| GP 13 EH 764 | 618200 | 5584450 | 1202 | VAN13001955 | 0.5 | 63.3 | 4.7 | 61 | 0.2 | 19.2 | 15.3 | 714 | 3.59 | 3.9 | 5.5 | 1.7 | 78 | 0.1 | 1.9 | <0.1 | 115 | 0.9 | 0.073 | 11 | 17 | 1.08 | 81 | 0.201 | 4 | 2.05 | 0.026 | 0.13 | 0.1 | 0.03 | 10.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | | |
| GP 13 EH 765 | 618225 | 5584450 | 1198 | VAN13001955 | 0.4 | 51.3 | 3.9 | 63 | 0.1 | 17.2 | 12 | 497 | 3.03 | 2.2 | 1.6 | 1.6 | 78 | 0.1 | 1.5 | 0.2 | 109 | 0.72 | 0.043 | 13 | 15 | 0.82 | 103 | 0.204 | 3 | 1.97 | 0.025 | 0.15 | <0.1 | 0.02 | 10.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | | |
| GP 13 EH 766 | 618250 | 5584450 | 1193 | VAN13001955 | 0.4 | 18.9 | 4.4 | 77 | <0.1 | 12.5 | 6.5 | 317 | 2.22 | 1.5 | <0.5 | 1.1 | 50 | <0.1 | 0.3 | 0.1 | 49 | 0.41 | 0.018 | 7 | 19 | 0.37 | 110 | 0.126 | 3 | 1.4 | 0.028 | 0.08 | <0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | | |
| GP 13 EH 767 | 618275 | 5584450 | 1187 | VAN13001955 | 0.2 | 30.9 | 4.3 | 75 | 0.2 | 14.2 | 11.1 | 593 | 2.88 | 2.6 | <0.5 | 2 | 50 | <0.1 | 0.6 | <0.1 | 52 | 0.52 | 0.026 | 17 | 17 | 0.5 | 80 | 0.089 | 3 | 1.74 | 0.019 | 0.13 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | | |
| GP 13 EH 768 | 618300 | 5584449 | 1178 | VAN13001955 | 0.3 | 37.5 | 4.2 | 98 | 0.3 | 14.5 | 10.4 | 760 | 2.67 | 2.4 | 1.6 | 1.7 | 51 | <0.1 | 0.8 | <0.1 | 49 | 0.72 | 0.048 | 18 | 14 | 0.56 | 102 | 0.063 | 5 | 1.88 | 0.02 | 0.15 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | | |
| GP 13 EH 769 | 618325 | 5584451 | 1169 | VAN13001955 | 0.2 | 21.3 | 3.8 | 65 | 0.2 | 12.1 | 7.5 | 348 | 2.16 | 1.6 | <0.5 | 1.3 | 47 | 0.1 | 0.5 | <0.1 | 41 | 0.52 | 0.029 | 9 | 14 | 0.41 | 85 | 0.089 | 6 | 1.36 | 0.019 | 0.21 | <0.1 | 0.01 | 4.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | | |
| GP 13 EH 770 | 618352 | 5584451 | 1163 | VAN13001955 | 0.3 | 25.1 | 4.8 | 64 | <0.1 | 18.1 | 10.2 | 470 | 2.69 | 1.7 | <0.5 | 1.4 | 133 | <0.1 | 0.7 | <0.1 | 59 | 0.38 | 0.039 | 8 | 26 | 0.57 | 170 | 0.105 | 7 | 1.71 | 0.026 | 0.2 | <0.1 | 0.01 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | | |
| GP 13 EH 771 | 618378 | 5584443 | 1164 | VAN13001955 | 0.2 | 15 | 5.6 | 45 | <0.1 | 11.5 | 6.1 | 227 | 1.83 | 1.6 | 1.2 | 1.5 | 135 | <0.1 | 0.2 | <0.1 | 48 | 0.42 | 0.015 | 7 | 20 | 0.43 | 153 | 0.087 | 9 | 1.48 | 0.03 | 0.22 | <0.1 | 0.02 | 3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | | |
| GP 13 EH 772 | 618383 | 5584436 | 1164 | VAN13001955 | 0.3 | 25.9 | 5.2 | 49 | <0.1 | 13.8 | 11.6 | 550 | 2.97 | 5.6 | 12.3 | 1.1 | 124 | <0.1 | 1.9 | <0.1 | 67 | 0.64 | 0.031 | 6 | 17 | 0.81 | 122 | 0.087 | 7 | 1.71 | 0.042 | 0.07 | <0.1 | 0.02 | 5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | | |
| GP 13 EH 773 | 617525 | 5584352 | 1087 | VAN13001955 | 0.5 | 56.7 | 4.6 | 72 | <0.1 | 26.9 | 15.6 | 817 | 3.19 | 4.5 | 5.2 | 1.6 | 102 | 0.3 | 0.2 | <0.1 | 81 | 1.06 | 0.039 | 12 | 33 | 0.8 | 164 | 0.169 | 5 | 3.14 | 0.027 | 0.27 | <0.1 | 0.02 | 9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | | |
| GP 13 EH 774 | 617551 | 5584350 | 1100 | VAN13001955 | 0.6 | 46.1 | 4.7 | 76 | <0.1 | 24.5 | 18 | 1091 | 3.01 | 3.4 | <0.5 | 1.6 | 101 | 0.3 | 0.2 | <0.1 | 82 | 1.01 | 0.044 | 11 | 26 | 0.72 | 182 | 0.164 | 5 | 2.9 | 0.027 | 0.34 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | | |
| GP 13 EH 775 | 618025 | 5584499 | 1174 | VAN13001955 | 0.5 | 34 | 7.4 | 124 | 0.3 | 24.2 | 10.6 | 1310 | 2.73 | 2.8 | 3.6 | 2.3 | 93 | 0.3 | 0.3 | 0.1 | 63 | 0.72 | 0.046 | 15 | 26 | 0.61 | 198 | 0.122 | 5 | 3.2 | 0.032 | 0.2 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | | |
| GP 13 EH 776 | 618001 | 5584500 | 1170 | VAN13001955 | 0.5 | 24.2 | 5.2 | 117 | 0.1 | 20.2 | 7.9 | 1124 | 2.14 | 2.4 | 1.8 | 1.5 | 87 | 0.3 | 0.2 | <0.1 | 46 | 0.67 | 0.047 | 9 | 22 | 0.44 | 175 | 0.115 | 7 | 2.43 | 0.021 | 0.28 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | | |
| GP 13 EH 777 | 617975 | 5584501 | 1170 | VAN13001955 | 0.2 | 14.7 | 4.8 | 78 | 0.1 | 8.2 | 4.4 | 684 | 1.81 | 1.6 | 1.6 | 1.4 | 40 | 0.2 | 0.3 | 0.1 | 34 | 0.44 | 0.024 | 17 | 11 | 0.38 | 76 | 0.067 | 1 | 1.38 | 0.032 | 0.23 | <0.1 | 0.01 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | | |
| GP 13 EH 778 | 617950 | 5584503 | 1170 | VAN13001955 | 0.4 | 24.5 | 5.3 | 66 | <0.1 | 16.7 | 8.1 | 264 | 2.49 | 2.4 | <0.5 | 2 | 102 | 0.2 | 0.2 | 0.1 | 55 | 0.68 | 0.037 | 21 | 24 | 0.52 | 181 | 0.109 | 3 | 2.26 | 0.025 | 0.16 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | | |
| GP 13 EH 779 | 617925 | 5584501 | 1161 | VAN13001955 | 0.3 | 12.3 | 5.6 | 102 | <0.1 | 9.1 | 4 | 710 | 1.82 | 1.5 | 0.9 | 2.2 | 120 | 0.2 | 0.1 | <0.1 | 32 | 0.67 | 0.028 | 25 | 12 | 0.35 | 251 | 0.049 | 3 | 1.63 | 0.02 | 0.23 | <0.1 | 0.01 | 3.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | | |
| GP 13 EH 780 | 617901 | 5584500 | 1156 | VAN13001955 | 0.3 | 21.3 | 8 | 81 | <0.1 | 13.2 | 6.6 | 733 | 2.08 | 2.3 | <0.5 | 1.8 | 179 | 0.2 | 0.1 | 0.1 | 53 | 0.81 | 0.025 | 15 | 18 | 0.45 | 316 | 0.106 | 3 | 2.56 | 0.033 | 0.48 | <0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | | |
| GP 13 EH 781 | 617875 | 5584500 | 1159 | VAN13001955 | 0.3 | 26.2 | 6.5 | 59 | <0.1 | 15.5 | 8.5 | 592 | 2.3 | 2.3 | <0.5 | 1.7 | 170 | 0.1 | 0.2 | <0.1 | 53 | 0.88 | 0.022 | 18 | 21 | 0.51 | 330 | 0.1 | 2 | 2.58 | 0.041 | 0.28 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | | |
| GP 13 EH 782 | 617848 | 5584500 | 1144 | VAN13001955 | 0.3 | 13.1 | 5.8 | 62 | <0.1 | 9.3 | 5.1 | 420 | 1.58 | 1.4 | <0.5 | 1.3 | 158 | 0.1 | 0.1 | <0.1 | 38 | 0.98 | 0.023 | 12 | 12 | 0.37 | 362 | 0.069 | 3 | 2.29 | 0.033 | 0.45 | <0.1 | 0.02 | 3.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | | |
| GP 13 EH 783 | 617825 | 5584503 | 1146 | VAN13001955 | 0.3 | 33.3 | 4.7 | 93 | <0.1 | 17.1 | 8.5 | 580 | 2.72 | 2.7 | <0.5 | 1.6 | 88 | 0.1 | 0.3 | <0.1 | 57 | 0.75 | 0.036 | 10 | 23 | 0.51 | 134 | 0.17 | 6 | 2.31 | 0.031 | 0.18 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | | |
| GP 13 EH 784 | 617801 | 5584500</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te | | |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|--|--|
| GP 13 EH 826 | 618350 | 5583100 | 1195 | VAN13001955 | 0.6 | 22 | 3.4 | 91 | <0.1 | 27.6 | 10.1 | 1089 | 2.27 | 1.3 | <0.5 | 1.1 | 67 | 0.2 | <0.1 | <0.1 | 50 | 0.59 | 0.035 | 7 | 30 | 0.54 | 147 | 0.094 | 7 | 2.13 | 0.034 | 0.1 | <0.1 | 0.02 | 6 | <0.1 | <0.05 | 5 | 0.9 | <0.2 | | |
| GP 13 EH 827 | 618374 | 5583102 | 1197 | VAN13001955 | 0.4 | 26.4 | 5.3 | 88 | <0.1 | 26 | 11 | 1097 | 2.38 | 1 | <0.5 | 2.1 | 94 | 0.1 | 0.1 | <0.1 | 60 | 0.82 | 0.035 | 15 | 25 | 0.59 | 163 | 0.094 | 4 | 2.37 | 0.024 | 0.2 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 828 | 618400 | 5583100 | 1194 | VAN13001955 | 0.4 | 26.7 | 5.1 | 70 | <0.1 | 22.9 | 10.9 | 874 | 2.4 | 1 | 2.5 | 1.7 | 82 | <0.1 | 0.1 | <0.1 | 60 | 0.6 | 0.019 | 11 | 28 | 0.49 | 164 | 0.114 | 1 | 2.04 | 0.03 | 0.14 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 829 | 617627 | 5583249 | 1121 | VAN13001955 | 0.3 | 24.2 | 4.6 | 51 | <0.1 | 15.7 | 8 | 300 | 1.9 | 0.8 | 2.2 | 1.4 | 64 | 0.1 | <0.1 | <0.1 | 48 | 0.57 | 0.02 | 6 | 21 | 0.52 | 91 | 0.113 | 11 | 1.64 | 0.043 | 0.2 | <0.1 | <0.01 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 830 | 617650 | 5583248 | 1127 | VAN13001955 | 0.4 | 19.8 | 4.6 | 51 | <0.1 | 17.7 | 7.6 | 510 | 2 | 0.7 | 1.2 | 1.4 | 82 | <0.1 | 0.1 | <0.1 | 52 | 0.63 | 0.016 | 8 | 21 | 0.49 | 114 | 0.109 | 7 | 1.75 | 0.038 | 0.18 | <0.1 | <0.01 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 831 | 617674 | 5583252 | 1128 | VAN13001955 | 0.1 | 20.9 | 5.5 | 53 | <0.1 | 14.2 | 6.2 | 183 | 1.57 | 0.6 | 0.9 | 1.7 | 61 | <0.1 | <0.1 | <0.1 | 35 | 0.4 | 0.013 | 6 | 17 | 0.6 | 109 | 0.114 | 2 | 1.55 | 0.053 | 0.16 | <0.1 | 0.01 | 3.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 832 | 617700 | 5583250 | 1138 | VAN13001955 | 0.2 | 40.8 | 5 | 63 | <0.1 | 34.6 | 15.7 | 650 | 3.28 | <0.5 | <0.5 | 2.8 | 96 | 0.1 | <0.1 | <0.1 | 70 | 0.87 | 0.024 | 18 | 26 | 1.42 | 68 | 0.143 | 5 | 2.37 | 0.063 | 0.2 | <0.1 | <0.01 | 11 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 833 | 617725 | 5583250 | 1153 | VAN13001955 | 0.5 | 22.1 | 4.5 | 47 | <0.1 | 19.3 | 9.6 | 612 | 1.94 | 0.6 | 1.1 | 1.7 | 66 | <0.1 | <0.1 | <0.1 | 45 | 0.51 | 0.017 | 7 | 21 | 0.55 | 106 | 0.119 | 6 | 1.62 | 0.032 | 0.24 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 834 | 617749 | 5583250 | 1158 | VAN13001955 | 0.3 | 29.7 | 4.7 | 68 | <0.1 | 27.1 | 10.8 | 643 | 2.32 | <0.5 | 1.5 | 2.3 | 69 | 0.1 | <0.1 | <0.1 | 48 | 0.53 | 0.018 | 12 | 26 | 0.63 | 108 | 0.129 | 4 | 1.79 | 0.034 | 0.29 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 835 | 617775 | 5583250 | 1167 | VAN13001955 | 0.3 | 34 | 5 | 70 | <0.1 | 27.8 | 10.8 | 605 | 2.56 | 1 | <0.5 | 2.2 | 82 | <0.1 | <0.1 | <0.1 | 56 | 0.66 | 0.027 | 12 | 29 | 0.61 | 121 | 0.123 | 4 | 2.27 | 0.029 | 0.32 | <0.1 | 0.01 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 836 | 617800 | 5583250 | 1181 | VAN13001955 | 0.3 | 36.7 | 4.7 | 64 | <0.1 | 33.4 | 13.1 | 629 | 2.86 | 0.8 | 2.7 | 2.6 | 76 | 0.2 | <0.1 | <0.1 | 61 | 0.71 | 0.024 | 14 | 32 | 0.77 | 91 | 0.136 | 3 | 2.06 | 0.038 | 0.25 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 837 | 617825 | 5583250 | 1196 | VAN13001955 | 0.3 | 28.7 | 4.9 | 79 | <0.1 | 23.2 | 10.1 | 674 | 2.39 | 1 | 0.8 | 2.1 | 89 | 0.1 | <0.1 | <0.1 | 53 | 0.71 | 0.025 | 12 | 28 | 0.57 | 135 | 0.128 | 5 | 2.11 | 0.034 | 0.31 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 EH 838 | 617850 | 5583250 | 1207 | VAN13001955 | 0.4 | 19.7 | 4.4 | 79 | <0.1 | 16.9 | 7.9 | 687 | 1.86 | 0.5 | <0.5 | 1.4 | 76 | <0.1 | <0.1 | <0.1 | 49 | 0.53 | 0.015 | 8 | 21 | 0.42 | 120 | 0.127 | 2 | 1.65 | 0.037 | 0.16 | <0.1 | 0.01 | 4.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 839 | 617875 | 5583250 | 1217 | VAN13001955 | 0.3 | 30.3 | 4.3 | 160 | <0.1 | 17.2 | 6.8 | 1161 | 1.91 | 1.2 | 2 | 1.2 | 120 | 0.1 | <0.1 | <0.1 | 43 | 1.12 | 0.078 | 6 | 18 | 0.52 | 166 | 0.104 | 10 | 2.02 | 0.024 | 0.5 | <0.1 | 0.02 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 840 | 617900 | 5583251 | 1233 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 841 | 617925 | 5583247 | 1249 | VAN13001955 | 0.6 | 30.3 | 5 | 73 | <0.1 | 31.3 | 17.4 | 604 | 3.24 | 3.6 | 1.7 | 1.3 | 94 | 0.2 | 0.2 | <0.1 | 73 | 1.5 | 0.051 | 6 | 22 | 1.02 | 116 | 0.087 | 6 | 4.03 | 0.046 | 0.22 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 9 | <0.5 | <0.2 | | |
| GP 13 EH 842 | 617955 | 5583250 | 1295 | VAN13001955 | 0.6 | 44.3 | 5.8 | 71 | <0.1 | 28.8 | 14.1 | 703 | 2.83 | 4.3 | 3.7 | 1.8 | 120 | 0.1 | 0.2 | <0.1 | 86 | 1.01 | 0.059 | 11 | 33 | 0.76 | 164 | 0.132 | 2 | 3.32 | 0.03 | 0.21 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | |
| GP 13 EH 843 | 617975 | 5583250 | 1313 | VAN13001955 | 0.5 | 44.9 | 6 | 62 | 0.1 | 25.8 | 12.7 | 557 | 2.86 | 3.8 | 1.4 | 1.9 | 119 | 0.2 | 0.2 | <0.1 | 80 | 0.99 | 0.036 | 13 | 31 | 0.69 | 158 | 0.126 | 2 | 3.03 | 0.043 | 0.17 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 EH 844 | 618000 | 5583250 | 1321 | VAN13001955 | 0.6 | 41.1 | 5.8 | 59 | <0.1 | 26.3 | 14.1 | 775 | 2.84 | 3 | 2.5 | 2 | 119 | 0.1 | 0.3 | <0.1 | 84 | 0.88 | 0.031 | 14 | 33 | 0.6 | 171 | 0.146 | <1 | 2.67 | 0.034 | 0.16 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | 0.5 | <0.2 | | |
| GP 13 EH 845 | 618025 | 5583249 | 1322 | VAN13001955 | 0.2 | 19 | 5.7 | 57 | <0.1 | 10 | 8 | 594 | 2.14 | <0.5 | <0.5 | 2.4 | 66 | 0.1 | <0.1 | <0.1 | 61 | 0.58 | 0.022 | 17 | 11 | 0.38 | 82 | 0.103 | 2 | 1.37 | 0.02 | 0.24 | <0.1 | 0.05 | 4.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 846 | 618051 | 5583250 | 1332 | VAN13001955 | 0.3 | 15.6 | 5.1 | 50 | <0.1 | 11.7 | 6.9 | 280 | 1.91 | 0.6 | 1.5 | 1.3 | 79 | <0.1 | 0.1 | <0.1 | 68 | 0.38 | 0.011 | 7 | 18 | 0.35 | 97 | 0.131 | <1 | 1.31 | 0.025 | 0.13 | <0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 3 | <0.5 | <0.2 | | |
| GP 13 EH 847 | 618075 | 5583250 | 1336 | VAN13001955 | 0.3 | 26 | 6.5 | 54 | <0.1 | 14.9 | 10.1 | 703 | 2.07 | 0.8 | <0.5 | 2.4 | 93 | 0.1 | 0.1 | <0.1 | 58 | 0.56 | 0.02 | 16 | 14 | 0.53 | 102 | 0.102 | <1 | 1.7 | 0.025 | 0.19 | <0.1 | 0.02 | 5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 848 | 618100 | 5583250 | 1324 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 849 | 618142 | 5583248 | 1286 | VAN13001955 | 0.9 | 65.5 | 15.1 | 56 | 0.2 | 18.2 | 13.1 | 985 | 1.9 | 3.8 | 2.2 | 1.1 | 146 | 0.3 | 0.2 | 0.2 | 59 | 1.85 | 0.084 | 11 | 14 | 0.59 | 98 | 0.061 | 7 | 1.89 | 0.035 | 0.13 | 0.1 | 0.16 | 5.9 | 0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 850 | 618151 | 5583248 | 1279 | VAN13001955 | 0.5 | 47.6 | 4.2 | 47 | 0.1 | 14.2 | 11.4 | 700 | 1.79 | 1.9 | 0.7 | 2.1 | 237 | <0.1 | 0.2 | <0.1 | 49 | 1.41 | 0.082 | 15 | 11 | 0.78 | 115 | 0.078 | 11 | 1.68 | 0.032 | 0.19 | <0.1 | 0.15 | 6.2 | <0.1 | <0.05 | 5 | 0.7 | <0.2 | | |
| GP 13 EH 851 | 618174 | 5583250 | 1257 | VAN13001955 | 0.3 | 38 | 9 | 84 | <0.1 | 14.1 | 11.2 | 1149 | 2.18 | 1.8 | <0.5 | 2.8 | 145 | 0.1 | 0.1 | <0.1 | 47 | 1.46 | 0.051 | 18 | 13 | 0.59 | 103 | 0.103 | 9 | 1.85 | 0.02 | 0.29 | <0.1 | 0.06 | 6.3 | <0.1 | <0.05 | 5 | 0.6 | <0.2 | | |
| GP 13 EH 852 | 618200 | 5583251 | 1241 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 853 | 618224 | 5583251 | 1224 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 EH 854 | 618250 | 5583250 | 1219 | VAN13001955 | 0.3 | 24.2 | 4.5 | 57 | <0.1 | 18 | 10.8 | 534 | 2.61 | <0.5 | <0.5 | 1.9 | 69 | 0.1 | <0.1 | <0.1 | 66 | 0.61 | 0.021 | 11 | 23 | 0.43 | 54 | 0.141 | 5 | 1.81 | 0.064 | 0.27 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 855 | 618275 | 5583249 | 1214 | VAN13001955 | 0.6 | 24.7 | 4.7 | 76 | <0.1 | 20.7 | 10.3 | 824 | 2.04 | 0.8 | <0.5 | 1.6 | 74 | 0.1 | <0.1 | <0.1 | 51 | 0.57 | 0.02 | 11 | 21 | 0.47 | 125 | 0.088 | 5 | 1.81 | 0.036 | 0.29 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 856 | 618300 | 5583250 | 1214 | VAN13001955 | 0.4 | 33.9 | 5.7 | 85 | <0.1 | 31.6 | 15 | 1216 | 2.71 | 0.9 | 0.8 | 2.1 | 112 | 0.1 | <0.1 | <0.1 | 54 | 0.92 | 0.027 | 18 | 26 | 0.59 | 174 | 0.047 | 10 | 2.66 | 0.031 | 0.45 | <0.1 | 0.05 | 8.1 | <0.1 | <0.05 | 7 | 0.5 | <0.2 | | |
| GP 13 EH 857 | 618325 | 5583249 | 1209 | VAN13001955 | 0.5 | 21 | 5.9 | 61 | <0.1 | 21.1 | 11.3 | 1276 | 1.86 | 1.1 | 1 | 1.6 | 107 | 0.1 | 0.1 | <0.1 | 43 | 0.88 | 0.043 | 11 | 19 | 0.47 | 209 | 0.069 | 14 | 1.75 | 0.029 | 0.39 | <0.1 | 0.07 | 5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 EH 858 | 618349 | 5583250 | 1205 | VAN13001955 | 0.5 | 16.6 | 4.6 | 72 | <0.1 | 16.7 | 8.3 | 946 | 1.64 | 1 | <0.5 | 1.3 | 86 | 0.1 | <0.1 | 0.2 | 40 | 0.67 | 0.035 | 7 | 18 | 0.39 | 160 | 0.082 | 15 | 1.45 | 0.023 | 0.38 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 EH 859 | 618375 | 5583250 | 1202 | VAN13001955 | 0.3 | 25 | 4.9 | 92 | <0.1 | 25.3 | 10.5 | 1156 | 2.23 | 0.9 | <0.5 | 1.9 | 89 | 0.2 | <0.1 | <0.1 | 50 | 0.75 | 0.034 | 10 | 27 | 0.54 | 159 | 0.107 | 10 | 1.89 | 0.025 | 0.36 | <0.1 | 0.04 | 5.5</ | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 EH 901 | 617125 | 5583849 | 941 | VAN13001955 | 0.6 | 38.5 | 11.5 | 160 | <0.1 | 28.2 | 11.3 | 1493 | 2.68 | 5.5 | 27.1 | 2.1 | 102 | 0.3 | 0.3 | 0.2 | 60 | 0.91 | 0.068 | 12 | 34 | 0.55 | 353 | 0.123 | 9 | 2.48 | 0.021 | 0.32 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 902 | 617100 | 5583850 | 933 | VAN13001955 | 0.5 | 31 | 11.3 | 117 | <0.1 | 20.6 | 10.2 | 1326 | 2.36 | 3.2 | 2.8 | 2.3 | 88 | 0.3 | 0.2 | 0.2 | 54 | 0.79 | 0.038 | 12 | 23 | 0.43 | 323 | 0.096 | 8 | 2.07 | 0.021 | 0.34 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 903 | 617075 | 5583850 | 923 | VAN13001955 | 0.5 | 32.4 | 8.4 | 112 | <0.1 | 23.2 | 11.3 | 1019 | 2.6 | 2.6 | <0.5 | 1.9 | 91 | 0.2 | 0.2 | 0.1 | 62 | 0.69 | 0.031 | 10 | 29 | 0.52 | 298 | 0.137 | 5 | 2.33 | 0.026 | 0.31 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 904 | 617051 | 5583850 | 910 | VAN13001955 | 0.4 | 30.4 | 9.5 | 80 | <0.1 | 20.4 | 9.4 | 735 | 2.23 | 3.2 | 4.1 | 2.3 | 84 | 0.1 | 0.3 | 0.1 | 56 | 0.54 | 0.026 | 13 | 24 | 0.42 | 391 | 0.096 | 7 | 1.81 | 0.023 | 0.26 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 905 | 617026 | 5583850 | 894 | VAN13001955 | 0.4 | 32.1 | 9.6 | 107 | <0.1 | 20.4 | 10.4 | 1007 | 2.44 | 3.6 | <0.5 | 2 | 105 | 0.2 | 0.2 | 0.1 | 56 | 0.78 | 0.035 | 11 | 24 | 0.48 | 385 | 0.112 | 8 | 2.13 | 0.024 | 0.34 | <0.1 | 0.03 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 906 | 617001 | 5583850 | 885 | VAN13001955 | 0.5 | 24.7 | 6.2 | 88 | <0.1 | 18.4 | 8.6 | 713 | 2.28 | 2.5 | <0.5 | 2.2 | 81 | 0.1 | 0.2 | <0.1 | 51 | 0.58 | 0.019 | 13 | 23 | 0.43 | 305 | 0.101 | 6 | 2.09 | 0.021 | 0.29 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 907 | 616974 | 5583851 | 883 | VAN13001955 | 0.6 | 25.7 | 5.6 | 77 | <0.1 | 20.7 | 7.7 | 601 | 2.16 | 3.3 | <0.5 | 2.2 | 77 | 0.2 | 0.3 | <0.1 | 50 | 0.53 | 0.018 | 13 | 24 | 0.4 | 213 | 0.094 | 5 | 1.63 | 0.02 | 0.23 | <0.1 | 0.07 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 908 | 616950 | 5583850 | 878 | VAN13001955 | 0.7 | 28.4 | 6.6 | 86 | <0.1 | 22.5 | 10.6 | 951 | 2.31 | 2.5 | <0.5 | 2 | 85 | 0.2 | 0.2 | <0.1 | 59 | 0.58 | 0.017 | 12 | 28 | 0.46 | 219 | 0.113 | 5 | 1.96 | 0.021 | 0.27 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 909 | 616925 | 5583850 | 870 | VAN13001955 | 0.5 | 31.2 | 6.1 | 69 | <0.1 | 21.1 | 10.8 | 804 | 2.29 | 3.6 | <0.5 | 1.9 | 101 | 0.1 | 0.3 | <0.1 | 58 | 0.58 | 0.024 | 13 | 26 | 0.42 | 197 | 0.108 | 4 | 1.79 | 0.029 | 0.3 | <0.1 | 0.03 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 910 | 616900 | 5583851 | 859 | VAN13001955 | 0.6 | 28.2 | 6 | 85 | <0.1 | 20.8 | 10.3 | 884 | 2.27 | 2.8 | <0.5 | 1.8 | 92 | 0.2 | 0.2 | <0.1 | 57 | 0.54 | 0.016 | 11 | 24 | 0.43 | 197 | 0.138 | 4 | 1.84 | 0.022 | 0.28 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 911 | 616900 | 5583750 | 851 | VAN13001955 | 0.5 | 30.6 | 6.8 | 59 | <0.1 | 17.5 | 8.6 | 565 | 2.27 | 4.6 | <0.5 | 2 | 103 | 0.2 | 0.3 | <0.1 | 57 | 0.56 | 0.021 | 14 | 25 | 0.37 | 183 | 0.132 | 3 | 1.7 | 0.026 | 0.28 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 912 | 616926 | 5583750 | 860 | VAN13001955 | 0.5 | 28.2 | 5.5 | 82 | <0.1 | 20.9 | 10.1 | 841 | 2.27 | 3.2 | <0.5 | 1.7 | 84 | 0.1 | 0.2 | <0.1 | 65 | 0.58 | 0.023 | 13 | 26 | 0.45 | 182 | 0.127 | 4 | 1.72 | 0.026 | 0.24 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 913 | 616949 | 5583750 | 864 | VAN13001955 | 0.4 | 27.9 | 6.3 | 83 | <0.1 | 21.1 | 9.1 | 621 | 2.38 | 3.3 | <0.5 | 1.9 | 85 | 0.2 | 0.2 | <0.1 | 60 | 0.6 | 0.025 | 11 | 28 | 0.42 | 212 | 0.134 | 6 | 1.91 | 0.024 | 0.34 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 914 | 616975 | 5583750 | 875 | VAN13001955 | 0.6 | 37.4 | 8.6 | 197 | <0.1 | 23.6 | 12.6 | 1617 | 2.6 | 10.1 | 0.7 | 1.7 | 102 | 0.3 | 0.2 | <0.1 | 51 | 0.88 | 0.062 | 11 | 23 | 0.53 | 383 | 0.113 | 9 | 3.04 | 0.023 | 0.37 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 915 | 617000 | 5583750 | 888 | VAN13001955 | 1.7 | 31.8 | 9.6 | 83 | <0.1 | 22.5 | 10.5 | 998 | 2.63 | 14.5 | 1.8 | 1.8 | 83 | 0.2 | 0.5 | <0.1 | 57 | 0.71 | 0.028 | 12 | 25 | 0.47 | 236 | 0.121 | 7 | 1.97 | 0.024 | 0.36 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| GP 13 EH 916 | 617025 | 5583751 | 902 | VAN13001955 | 0.9 | 30.1 | 8.9 | 74 | <0.1 | 19.9 | 10.1 | 967 | 2.26 | 10.1 | 1.8 | 2 | 85 | 0.2 | 0.4 | <0.1 | 60 | 0.54 | 0.023 | 12 | 24 | 0.39 | 242 | 0.108 | 4 | 1.58 | 0.026 | 0.25 | <0.1 | 0.03 | 5.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 EH 917 | 617051 | 5583750 | 911 | VAN13001955 | 0.7 | 29.5 | 8 | 83 | 0.1 | 20.6 | 10.4 | 968 | 2.43 | 6.3 | 2.1 | 1.8 | 80 | 0.2 | 0.2 | <0.1 | 59 | 0.61 | 0.031 | 11 | 24 | 0.44 | 241 | 0.119 | 4 | 1.79 | 0.024 | 0.28 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 918 | 617074 | 5583751 | 921 | VAN13001955 | 0.5 | 27.2 | 7.6 | 101 | <0.1 | 19.8 | 10.3 | 1203 | 2.26 | 5 | <0.5 | 1.6 | 84 | 0.2 | 0.2 | <0.1 | 57 | 0.63 | 0.021 | 10 | 24 | 0.46 | 270 | 0.123 | 4 | 2.09 | 0.026 | 0.32 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 919 | 617100 | 5583750 | 935 | VAN13001955 | 0.9 | 33.4 | 8.6 | 70 | 0.3 | 18.8 | 9.2 | 784 | 2.25 | 12.7 | 7.4 | 2 | 77 | 0.2 | 0.4 | <0.1 | 57 | 0.6 | 0.029 | 12 | 24 | 0.38 | 202 | 0.106 | 6 | 1.79 | 0.034 | 0.3 | <0.1 | 0.03 | 5.1 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 920 | 617125 | 5583751 | 946 | VAN13001955 | 0.6 | 31.2 | 9 | 83 | <0.1 | 20 | 10 | 1006 | 2.13 | 7.8 | 4 | 1.8 | 79 | 0.2 | 0.3 | <0.1 | 56 | 0.61 | 0.026 | 11 | 26 | 0.41 | 225 | 0.117 | 4 | 1.67 | 0.025 | 0.29 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 921 | 617150 | 5583750 | 952 | VAN13001955 | 0.7 | 32.7 | 8 | 79 | <0.1 | 21.5 | 9.4 | 791 | 2.46 | 7.9 | <0.5 | 1.7 | 78 | 0.2 | 0.3 | <0.1 | 57 | 0.74 | 0.035 | 11 | 28 | 0.43 | 206 | 0.111 | 6 | 2.02 | 0.025 | 0.36 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 EH 922 | 617175 | 5583750 | 957 | VAN13001955 | 0.7 | 34.6 | 6.9 | 88 | <0.1 | 26.1 | 10.7 | 735 | 2.72 | 5 | <0.5 | 1.7 | 85 | 0.2 | 0.3 | <0.1 | 60 | 0.61 | 0.022 | 10 | 32 | 0.52 | 193 | 0.147 | 4 | 2.29 | 0.025 | 0.33 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 923 | 617200 | 5583750 | 965 | VAN13001955 | 1.4 | 44.1 | 11 | 189 | 0.1 | 26.5 | 13.1 | 2233 | 2.92 | 38.5 | 4 | 1.7 | 96 | 0.2 | 0.6 | <0.1 | 58 | 0.94 | 0.115 | 12 | 26 | 0.55 | 315 | 0.11 | 10 | 3.13 | 0.039 | 0.39 | <0.1 | 0.03 | 6.1 | 0.3 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 EH 924 | 617225 | 5583750 | 966 | VAN13001955 | 1.7 | 37.2 | 9.6 | 106 | <0.1 | 24 | 11.2 | 1012 | 2.89 | 9.1 | <0.5 | 1.6 | 82 | 0.2 | 0.3 | <0.1 | 59 | 0.75 | 0.026 | 12 | 26 | 0.53 | 224 | 0.114 | 5 | 2.46 | 0.025 | 0.29 | <0.1 | 0.02 | 5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 925 | 617250 | 5583750 | 979 | VAN13001955 | 1 | 38.8 | 9.7 | 100 | <0.1 | 28.5 | 15 | 1394 | 2.95 | 9.1 | 1.5 | 1.8 | 88 | 0.2 | 0.3 | <0.1 | 64 | 0.92 | 0.043 | 13 | 35 | 0.57 | 248 | 0.132 | 5 | 2.56 | 0.022 | 0.3 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 EH 926 | 617274 | 5583750 | 983 | VAN13001955 | 0.9 | 39.7 | 8.7 | 114 | <0.1 | 33.8 | 15.1 | 1603 | 3.11 | 4.4 | <0.5 | 1.7 | 86 | 0.3 | 0.3 | <0.1 | 63 | 0.75 | 0.027 | 11 | 36 | 0.62 | 298 | 0.153 | 6 | 2.52 | 0.023 | 0.41 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 927 | 617301 | 5583750 | 990 | VAN13001955 | 1.1 | 38.1 | 6.8 | 99 | <0.1 | 32.4 | 11.9 | 837 | 2.83 | 3.8 | <0.5 | 1.7 | 84 | 0.2 | 0.3 | <0.1 | 66 | 0.76 | 0.031 | 11 | 39 | 0.61 | 260 | 0.143 | 5 | 2.7 | 0.025 | 0.29 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 928 | 617324 | 5583751 | 994 | VAN13001955 | 0.7 | 33.9 | 7.1 | 85 | <0.1 | 33.6 | 12.7 | 1008 | 2.82 | 4.8 | <0.5 | 1.8 | 82 | 0.2 | 0.3 | 0.2 | 62 | 0.69 | 0.03 | 11 | 34 | 0.58 | 242 | 0.136 | 5 | 2.56 | 0.021 | 0.26 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| GP 13 EH 929 | 617349 | 5583751 | 995 | VAN13001955 | 0.9 | 32.3 | 6.2 | 98 | <0.1 | 31.8 | 12.7 | 1047 | 2.94 | 4.3 | <0.5 | 1.7 | 94 | 0.2 | 0.3 | 0.1 | 67 | 0.76 | 0.036 | 11 | 36 | 0.66 | 224 | 0.151 | 4 | 2.87 | 0.026 | 0.28 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 EH 930 | 617374 | 5583750 | 994 | VAN13001955 | 0.8 | 31.1 | 6.4 | 89 | <0.1 | 31.6 | 11.5 | 783 | 2.99 | 4.3 | <0.5 | 1.6 | 88 | 0.3 | 0.3 | 0.1 | 67 | 0.7 | 0.045 | 11 | 44 | 0.62 | 212 | 0.144 | 4 | 2.53 | 0.024 | 0.22 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 001 | 616906 | 5582251 | 965 | VAN13001613 | 0.3 | 36 | 5.3 | 55 | <0.1 | 23.8 | 11.2 | 536 | 2.62 | 2.3 | 1.6 | 2 | 123 | <0.1 | 0.2 | 0.1 | 67 | 0.69 | 0.022 | 14 | 27 | 0.56 | 138 | 0.124 | 4 | 1.88 | 0.039 | 0.24 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 002 | 616924 | 5582250 | 964 | VAN13001613 | 0.3 | 46.2 | 6.3 | 53 | <0.1 | 25.3 | 10.1 | 387 | 3.17 | 2.4 | 2.5 | 2.6 | 113 | <0.1 | 0.2 | 0.1 | 64 | 0.69 | 0.025 | 14 | 30 | 0.64 | 144 | 0.128 | 5 | 2.44 | 0.033 | 0.32 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 003 | 616950 | 5582249 | 973 | VAN13001613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 JT 046 | 618074 | 5582304 | 1123 | VAN13001613 | 0.2 | 42.9 | 4.3 | 68 | <0.1 | 59.3 | 17.3 | 533 | 3.83 | <0.5 | <0.5 | 2.3 | 78 | 0.1 | <0.1 | <0.1 | 100 | 0.84 | 0.083 | 14 | 29 | 1.28 | 74 | 0.207 | 2 | 1.95 | 0.057 | 0.15 | <0.1 | 0.01 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 047 | 618053 | 5582306 | 1138 | VAN13001613 | 0.2 | 55.6 | 4 | 58 | 0.2 | 59.4 | 15.9 | 387 | 3.97 | <0.5 | <0.5 | 2.3 | 78 | 0.1 | <0.1 | <0.1 | 107 | 0.73 | 0.042 | 12 | 40 | 1.6 | 72 | 0.214 | 3 | 2.13 | 0.058 | 0.09 | <0.1 | 0.01 | 10.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 048 | 618026 | 5582296 | 1156 | VAN13001613 | 0.3 | 30.5 | 3.7 | 83 | <0.1 | 38.2 | 11.4 | 366 | 3.34 | <0.5 | <0.5 | 1.7 | 66 | 0.1 | <0.1 | <0.1 | 89 | 0.59 | 0.028 | 13 | 46 | 0.69 | 71 | 0.2 | 4 | 1.83 | 0.052 | 0.13 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 049 | 617999 | 5582302 | 1156 | VAN13001613 | 0.3 | 20.1 | 4 | 84 | <0.1 | 29 | 10.6 | 467 | 2.73 | <0.5 | <0.5 | 1.4 | 62 | <0.1 | <0.1 | 0.2 | 59 | 0.54 | 0.021 | 9 | 35 | 0.46 | 83 | 0.184 | 2 | 1.81 | 0.042 | 0.15 | <0.1 | 0.01 | 7.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 050 | 617975 | 5582301 | 1168 | VAN13001613 | 0.1 | 53.1 | 4.3 | 61 | <0.1 | 65.7 | 18.2 | 316 | 4.22 | <0.5 | <0.5 | 2.5 | 45 | 0.1 | <0.1 | 0.1 | 104 | 0.66 | 0.024 | 15 | 59 | 1.21 | 40 | 0.27 | 2 | 1.89 | 0.046 | 0.07 | <0.1 | 0.01 | 15.1 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| GP 13 JT 051 | 617952 | 5582302 | 1173 | VAN13001613 | 0.4 | 33.1 | 4.6 | 82 | <0.1 | 54 | 18 | 736 | 3.46 | <0.5 | <0.5 | 1.7 | 74 | 0.2 | <0.1 | <0.1 | 75 | 0.61 | 0.031 | 13 | 47 | 0.88 | 95 | 0.175 | 3 | 2.06 | 0.039 | 0.16 | <0.1 | 0.01 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 052 | 617925 | 5582299 | 1176 | VAN13001613 | 0.3 | 38.4 | 5.3 | 61 | <0.1 | 42.6 | 19 | 590 | 3.54 | 1.1 | <0.5 | 2.2 | 124 | 0.1 | 0.1 | <0.1 | 71 | 0.76 | 0.026 | 15 | 39 | 0.92 | 141 | 0.131 | 3 | 3.15 | 0.039 | 0.16 | <0.1 | 0.02 | 10.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 053 | 617902 | 5582302 | 1171 | VAN13001613 | 0.3 | 48.1 | 4.2 | 68 | <0.1 | 109.5 | 32.2 | 681 | 5.43 | <0.5 | <0.5 | 1.3 | 140 | <0.1 | <0.1 | <0.1 | 98 | 1 | 0.066 | 9 | 54 | 2.8 | 80 | 0.196 | 2 | 2.43 | 0.044 | 0.13 | <0.1 | <0.01 | 10 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 054 | 617876 | 5582302 | 1155 | VAN13001613 | 0.3 | 37.1 | 2.9 | 66 | <0.1 | 79.7 | 24.7 | 688 | 4.61 | <0.5 | <0.5 | 1.5 | 76 | <0.1 | <0.1 | <0.1 | 98 | 0.66 | 0.044 | 14 | 47 | 1.55 | 50 | 0.263 | 1 | 1.97 | 0.049 | 0.11 | <0.1 | <0.01 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 055 | 617851 | 5582303 | 1140 | VAN13001613 | 0.2 | 40.3 | 2.7 | 67 | <0.1 | 71.1 | 21 | 589 | 4.58 | <0.5 | <0.5 | 1.6 | 100 | <0.1 | <0.1 | <0.1 | 91 | 0.64 | 0.03 | 13 | 46 | 1.38 | 60 | 0.276 | 3 | 1.98 | 0.039 | 0.18 | <0.1 | <0.01 | 9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 056 | 617818 | 5582305 | 1132 | VAN13001613 | 0.4 | 30.1 | 4.2 | 72 | <0.1 | 32.7 | 12.9 | 517 | 3.16 | 0.7 | <0.5 | 1.7 | 94 | 0.1 | <0.1 | <0.1 | 66 | 0.65 | 0.023 | 14 | 39 | 0.73 | 130 | 0.152 | 6 | 2.43 | 0.031 | 0.35 | <0.1 | 0.01 | 7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 057 | 617801 | 5582300 | 1133 | VAN13001613 | 0.3 | 38.6 | 3.9 | 61 | <0.1 | 45.7 | 18.5 | 740 | 4 | 1.3 | <0.5 | 1.6 | 139 | 0.1 | <0.1 | <0.1 | 71 | 0.88 | 0.039 | 15 | 45 | 1.53 | 136 | 0.136 | 3 | 3.06 | 0.034 | 0.26 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 058 | 617774 | 5582300 | 1122 | VAN13001613 | 0.4 | 34.3 | 4.6 | 69 | <0.1 | 42.5 | 17.6 | 602 | 3.56 | 0.8 | <0.5 | 1.8 | 93 | 0.1 | 0.1 | <0.1 | 63 | 0.72 | 0.04 | 15 | 43 | 0.87 | 125 | 0.104 | 8 | 2.92 | 0.027 | 0.41 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 059 | 617749 | 5582300 | 1116 | VAN13001613 | 0.4 | 40.5 | 5.3 | 58 | <0.1 | 33.7 | 14 | 509 | 2.95 | 1.2 | <0.5 | 2.1 | 96 | 0.2 | 0.2 | <0.1 | 62 | 0.76 | 0.029 | 14 | 35 | 0.76 | 131 | 0.092 | 5 | 2.83 | 0.025 | 0.42 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 060 | 617725 | 5582298 | 1113 | VAN13001613 | 0.3 | 32.5 | 4.9 | 57 | <0.1 | 24.1 | 12 | 513 | 2.82 | 1.3 | <0.5 | 2.1 | 108 | 0.2 | 0.2 | <0.1 | 70 | 0.65 | 0.022 | 14 | 29 | 0.57 | 139 | 0.132 | 3 | 2.36 | 0.03 | 0.27 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 061 | 617700 | 5582297 | 1107 | VAN13001613 | 0.5 | 26.9 | 4.4 | 78 | <0.1 | 21.5 | 11 | 791 | 2.36 | 0.9 | 2.7 | 1.6 | 91 | 0.2 | 0.1 | <0.1 | 59 | 0.63 | 0.03 | 11 | 24 | 0.48 | 133 | 0.13 | 6 | 2.07 | 0.034 | 0.25 | <0.1 | 0.01 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 062 | 617674 | 5582297 | 1107 | VAN13001613 | 0.3 | 24.8 | 4.4 | 58 | <0.1 | 19.3 | 9.6 | 468 | 2.51 | 0.9 | <0.5 | 1.7 | 125 | <0.1 | 0.2 | <0.1 | 68 | 0.63 | 0.02 | 13 | 24 | 0.45 | 130 | 0.128 | 5 | 1.95 | 0.031 | 0.26 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 063 | 617150 | 5582349 | 1035 | VAN13001613 | 0.3 | 32.5 | 4.4 | 75 | <0.1 | 21 | 9.6 | 504 | 2.38 | 1.9 | <0.5 | 1.8 | 102 | 0.1 | 0.1 | <0.1 | 63 | 0.6 | 0.017 | 11 | 26 | 0.48 | 122 | 0.13 | 4 | 1.91 | 0.032 | 0.24 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 064 | 617122 | 5582348 | 1029 | VAN13001613 | 0.5 | 36.5 | 4.8 | 64 | <0.1 | 28.3 | 12.3 | 500 | 2.69 | 2 | <0.5 | 1.9 | 99 | 0.2 | 0.2 | <0.1 | 65 | 0.75 | 0.027 | 12 | 32 | 0.6 | 132 | 0.141 | 3 | 2.43 | 0.029 | 0.32 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 065 | 617098 | 5582349 | 1019 | VAN13001613 | 0.4 | 31.9 | 4.8 | 71 | <0.1 | 27 | 11 | 585 | 2.6 | 1.9 | <0.5 | 1.7 | 83 | 0.1 | 0.1 | <0.1 | 61 | 0.62 | 0.025 | 10 | 30 | 0.59 | 128 | 0.127 | 4 | 2.37 | 0.028 | 0.3 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 066 | 617076 | 5582351 | 1014 | VAN13001613 | 0.3 | 43.3 | 4.9 | 55 | <0.1 | 28.4 | 11.2 | 392 | 2.94 | 2.1 | 0.9 | 2.2 | 121 | 0.1 | 0.2 | <0.1 | 64 | 0.69 | 0.027 | 14 | 30 | 0.69 | 116 | 0.094 | 5 | 2.31 | 0.034 | 0.3 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 067 | 617050 | 5582352 | 1008 | VAN13001613 | 0.3 | 44.8 | 5.8 | 53 | <0.1 | 27.9 | 11.8 | 477 | 2.98 | 2.8 | 0.6 | 2.5 | 130 | <0.1 | 0.2 | <0.1 | 65 | 0.89 | 0.086 | 17 | 29 | 0.84 | 133 | 0.107 | 5 | 2.23 | 0.035 | 0.27 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 068 | 617028 | 5582351 | 1004 | VAN13001613 | 0.3 | 42.6 | 4.5 | 64 | <0.1 | 26.7 | 11.1 | 397 | 2.88 | 2.1 | 1.2 | 1.9 | 117 | <0.1 | 0.2 | <0.1 | 71 | 0.78 | 0.021 | 13 | 33 | 0.75 | 128 | 0.137 | 5 | 2.27 | 0.036 | 0.27 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 069 | 616999 | 5582351 | 999 | VAN13001613 | 0.2 | 45.2 | 4.5 | 54 | <0.1 | 31 | 11.7 | 391 | 3.12 | 1.5 | <0.5 | 2.1 | 120 | <0.1 | 0.1 | <0.1 | 70 | 0.74 | 0.027 | 14 | 38 | 0.77 | 129 | 0.151 | 6 | 2.4 | 0.035 | 0.32 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 070 | 616974 | 5582353 | 998 | VAN13001613 | 0.3 | 31.4 | 4.7 | 59 | <0.1 | 26.1 | 11 | 463 | 2.65 | 2.1 | <0.5 | 1.9 | 118 | <0.1 | 0.1 | <0.1 | 66 | 0.68 | 0.029 | 14 | 30 | 0.6 | 133 | 0.154 | 7 | 2.12 | 0.036 | 0.33 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 071 | 616950 | 5582351 | 991 | VAN13001613 | 0.2 | 30.4 | 4.4 | 62 | <0.1 | 23 | 10.5 | 468 | 2.63 | 1.6 | <0.5 | 1.7 | 111 | <0.1 | 0.2 | <0.1 | 65 | 0.66 | 0.031 | 12 | 30 | 0.54 | 132 | 0.152 | 8 | 1.99 | 0.036 | 0.31 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 072 | 616924 | 5582349 | 977 | VAN13001613 | 0.3 | 29.5 | 4.8 | 67 | <0.1 | 21.7 | 9.6 | 437 | 2.65 | 1.2 | 1.2 | 1.7 | 102 | <0.1 | 0.2 | 0.1 | 62 | 0.59 | 0.017 | 10 | 29 | 0.52 | 138 | 0.145 | 4 | 2.09 | 0.033 | 0.31 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 073 | 616901 | 5582350 | 968 | VAN13001613 | 0.3 | 45.2 | 4.9 | 61 | <0.1 | 31.6 | 11.3 | 318 | 3.25 | 2.2 | <0.5 | 2.2 | 125 | 0.1 | 0.2 | <0.1 | 69 | 0.67 | 0.023 | 12 | 41 | 0.77 | 134 | 0.136 | 5 | 2.57 | 0.038 | 0.34 | <0.1 | 0.02 | 9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 074 | 617174 | 5582350 | 1037 | VAN13001613 | 0.4 | 63.5 | 4.4 | 63 | <0.1 | 20 | 10.7 | 299 | 3.5 | 4.3 | 0.7 | 2.6 | 103 | <0.1 | 0.2 | 0.1 | 76 | 0.88 | 0.029 | 15 | 33 | 0.66 | 90 | 0.07 | 3 | 2.9 | 0.026 | 0.29 | <0.1 | 0.04 | 9.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 075 | 617204 | 5582351 | 1042 | VAN13001613 | 0.2 | 46.8 | 5.2 | 57 | <0.1 | 26.5 | 11.3 | 455 | 3.23 | 2.2 | 1.8 | 2.4 | 134 | <0.1 | 0.1 | <0.1 | 70 | 0.78 | 0.029 | 14 | 33 | 0.74 | 122 | 0.126 | 6 | 2.66 | 0.037 | 0.37 | <0.1 | 0.03 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 076 | 617226 | 5582351 | 1033 | VAN13001613 | 0.3 | 22.3 | 4.7 | 63 | <0.1 | 17.2 | 9 | 518 | 2.3 | 1.1 | <0.5 | 1.5 | 120 | <0.1 | <0.1 | <0.1 | 68 | 0.6 | 0.013 | 10 | 22 | 0.44 | 133 | 0.158 | 2 | 1.65 | 0.039 | 0.28 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 JT 077 | 617250 | 5582350 | 1029 | VAN13001613 | 0.2 | 43.1 | 5.1 | 49 | <0.1 | 25.7 | 10.7 | 460 | 3.05 | 1.4 | 1.8 | 2.2 | 143 | <0.1 | 0.2 | <0.1 | 70 | 0.72 | 0.022 | 12 | 32 | 0.67 | 125 | 0.134 | 4 | 2.35 | 0.043 | 0.25 | <0.1 | 0.02 | 8.6 | <0.1 | <0. | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 JT 121 | 617599 | 5582500 | 1097 | VAN13001613 | 0.3 | 33.3 | 4.9 | 69 | <0.1 | 23.1 | 12.2 | 826 | 2.68 | 1.2 | 1.7 | 1.6 | 103 | 0.1 | 0.1 | <0.1 | 70 | 0.69 | 0.022 | 12 | 27 | 0.54 | 135 | 0.126 | 3 | 2.16 | 0.033 | 0.33 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 122 | 617629 | 5582499 | 1109 | VAN13001613 | 0.3 | 36.2 | 4.7 | 82 | <0.1 | 24.3 | 11.7 | 544 | 2.82 | 1.6 | <0.5 | 1.7 | 103 | 0.1 | 0.2 | <0.1 | 75 | 0.63 | 0.035 | 14 | 29 | 0.56 | 132 | 0.14 | 5 | 2.25 | 0.036 | 0.31 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 123 | 617653 | 5582495 | 1112 | VAN13001613 | 0.5 | 33.8 | 4.3 | 72 | <0.1 | 24.9 | 12.3 | 758 | 2.6 | 0.8 | <0.5 | 1.7 | 91 | 0.1 | 0.1 | <0.1 | 62 | 0.7 | 0.032 | 10 | 28 | 0.58 | 148 | 0.125 | 9 | 2.21 | 0.032 | 0.45 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 124 | 617701 | 5582549 | 1121 | VAN13001613 | 0.5 | 24.8 | 4.1 | 126 | <0.1 | 19.7 | 8.2 | 514 | 2.18 | 1.5 | <0.5 | 1.2 | 68 | 0.1 | <0.1 | <0.1 | 44 | 0.62 | 0.047 | 5 | 23 | 0.46 | 136 | 0.114 | 7 | 2.27 | 0.03 | 0.21 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 125 | 617725 | 5582551 | 1129 | VAN13001613 | 0.4 | 46.3 | 4.8 | 132 | <0.1 | 27.8 | 15 | 1357 | 2.85 | 2.1 | <0.5 | 1.9 | 121 | 0.2 | 0.1 | <0.1 | 66 | 0.85 | 0.034 | 13 | 31 | 0.63 | 208 | 0.125 | 5 | 3.18 | 0.04 | 0.28 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 126 | 617753 | 5582551 | 1125 | VAN13001613 | 0.9 | 20.4 | 4.5 | 73 | <0.1 | 18.7 | 9.1 | 916 | 1.82 | 2 | <0.5 | 1.3 | 68 | 0.1 | 0.1 | <0.1 | 47 | 0.67 | 0.027 | 9 | 19 | 0.41 | 138 | 0.107 | 4 | 1.79 | 0.026 | 0.13 | <0.1 | 0.02 | 5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 127 | 617776 | 5582551 | 1139 | VAN13001613 | 0.3 | 28.3 | 4.9 | 64 | <0.1 | 22.8 | 12.5 | 858 | 2.6 | 1.1 | <0.5 | 2.3 | 70 | 0.2 | <0.1 | <0.1 | 65 | 0.72 | 0.019 | 14 | 24 | 0.59 | 90 | 0.133 | 4 | 2.4 | 0.061 | 0.19 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| GP 13 JT 128 | 617800 | 5582551 | 1149 | VAN13001613 | 0.4 | 29.2 | 5.1 | 69 | <0.1 | 22.8 | 11.8 | 578 | 2.79 | 1 | <0.5 | 2.2 | 91 | 0.1 | 0.1 | <0.1 | 62 | 0.84 | 0.026 | 12 | 27 | 0.64 | 115 | 0.108 | 4 | 2.6 | 0.043 | 0.21 | <0.1 | 0.02 | 8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 129 | 617829 | 5582549 | 1161 | VAN13001613 | 0.4 | 39.6 | 6.1 | 99 | <0.1 | 25.4 | 14.4 | 1107 | 2.69 | 2.5 | 0.8 | 1.8 | 102 | 0.1 | 0.1 | 0.2 | 68 | 0.97 | 0.032 | 11 | 32 | 0.61 | 185 | 0.142 | 3 | 3.05 | 0.029 | 0.23 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 130 | 617853 | 5582550 | 1165 | VAN13001613 | 0.6 | 35.5 | 5.6 | 64 | <0.1 | 26.6 | 13.1 | 417 | 2.95 | 1.3 | 0.7 | 2.2 | 90 | 0.1 | 0.2 | 0.1 | 68 | 0.68 | 0.027 | 13 | 35 | 0.66 | 133 | 0.15 | 3 | 2.65 | 0.036 | 0.26 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 131 | 617875 | 5582549 | 1171 | VAN13001613 | 0.4 | 26.6 | 4 | 58 | <0.1 | 21.9 | 12.1 | 423 | 3.03 | <0.5 | <0.5 | 2.4 | 102 | 0.1 | <0.1 | <0.1 | 80 | 0.63 | 0.022 | 16 | 23 | 0.45 | 142 | 0.155 | 2 | 2.38 | 0.042 | 0.2 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 132 | 617898 | 5582550 | 1190 | VAN13001613 | 0.2 | 56 | 4.7 | 54 | 0.1 | 30.7 | 14.8 | 524 | 3.41 | <0.5 | 1 | 3.9 | 56 | 0.3 | <0.1 | <0.1 | 111 | 0.85 | 0.061 | 22 | 15 | 1.38 | 44 | 0.169 | <1 | 2.1 | 0.044 | 0.05 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 133 | 617925 | 5582551 | 1187 | VAN13001613 | 0.4 | 46.1 | 4.9 | 59 | 0.1 | 34.1 | 16.9 | 471 | 3.66 | 0.9 | <0.5 | 3.1 | 74 | 0.2 | 0.1 | 0.1 | 94 | 0.78 | 0.029 | 19 | 30 | 1.06 | 82 | 0.185 | 1 | 2.55 | 0.037 | 0.12 | <0.1 | 0.02 | 11.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 134 | 617948 | 5582552 | 1182 | VAN13001613 | 0.4 | 31.4 | 5.3 | 72 | <0.1 | 23 | 12.5 | 942 | 2.66 | <0.5 | <0.5 | 2.2 | 79 | 0.2 | <0.1 | <0.1 | 74 | 0.66 | 0.02 | 14 | 21 | 0.52 | 118 | 0.167 | 6 | 1.93 | 0.038 | 0.3 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 135 | 617976 | 5582546 | 1182 | VAN13001613 | 0.7 | 28.7 | 4.4 | 68 | <0.1 | 22.9 | 11.3 | 680 | 2.77 | 1.2 | <0.5 | 2.1 | 75 | 0.1 | 0.1 | <0.1 | 66 | 0.84 | 0.038 | 12 | 26 | 0.62 | 119 | 0.155 | 12 | 2.35 | 0.034 | 0.2 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 136 | 618001 | 5582549 | 1187 | VAN13001613 | 0.4 | 44.6 | 5.3 | 68 | 0.1 | 34.2 | 15.9 | 401 | 3.58 | 1.7 | <0.5 | 2.5 | 83 | 0.2 | 0.1 | <0.1 | 82 | 0.78 | 0.035 | 15 | 37 | 0.88 | 137 | 0.176 | 7 | 3.08 | 0.039 | 0.17 | <0.1 | 0.02 | 9.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 137 | 618028 | 5582550 | 1183 | VAN13001613 | 0.6 | 40 | 4.7 | 74 | <0.1 | 54 | 20 | 621 | 3.97 | 0.7 | <0.5 | 1.9 | 85 | <0.1 | <0.1 | <0.1 | 73 | 0.76 | 0.039 | 12 | 44 | 1.18 | 146 | 0.178 | 5 | 3.05 | 0.043 | 0.18 | <0.1 | 0.01 | 10 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 138 | 618051 | 5582548 | 1182 | VAN13001613 | 0.7 | 29.9 | 3.2 | 49 | <0.1 | 43.3 | 15.4 | 524 | 3.36 | <0.5 | 0.6 | 1.5 | 73 | <0.1 | <0.1 | <0.1 | 57 | 0.71 | 0.027 | 13 | 35 | 0.89 | 92 | 0.154 | 3 | 2.35 | 0.044 | 0.17 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 139 | 618076 | 5582549 | 1195 | VAN13001613 | 0.2 | 35.1 | 3.3 | 84 | <0.1 | 61.2 | 18.3 | 687 | 3.92 | <0.5 | <0.5 | 1.6 | 103 | <0.1 | <0.1 | 0.1 | 59 | 0.79 | 0.028 | 15 | 45 | 0.92 | 94 | 0.169 | 2 | 2.35 | 0.044 | 0.27 | <0.1 | <0.01 | 9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 140 | 618076 | 5582501 | 1195 | VAN13001613 | 0.2 | 38.9 | 3.1 | 65 | <0.1 | 66.9 | 19.2 | 490 | 4.36 | <0.5 | <0.5 | 1.7 | 75 | <0.1 | <0.1 | <0.1 | 89 | 0.65 | 0.036 | 14 | 51 | 1.25 | 62 | 0.239 | 1 | 2.2 | 0.061 | 0.18 | <0.1 | 0.01 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 141 | 618050 | 5582501 | 1186 | VAN13001613 | 0.4 | 34.4 | 4 | 72 | <0.1 | 50.8 | 16.4 | 495 | 3.8 | <0.5 | <0.5 | 1.8 | 76 | <0.1 | <0.1 | <0.1 | 67 | 0.71 | 0.028 | 13 | 41 | 0.97 | 98 | 0.178 | 2 | 2.55 | 0.041 | 0.21 | <0.1 | 0.02 | 9.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 142 | 618024 | 5582503 | 1187 | VAN13001613 | 0.3 | 36.6 | 4.6 | 76 | <0.1 | 51.7 | 18.9 | 738 | 3.95 | <0.5 | <0.5 | 2 | 147 | 0.2 | <0.1 | <0.1 | 79 | 0.92 | 0.019 | 16 | 44 | 1.07 | 144 | 0.158 | 1 | 3.23 | 0.035 | 0.15 | <0.1 | 0.07 | 10.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 143 | 617999 | 5582501 | 1186 | VAN13001613 | 0.6 | 36.2 | 4.6 | 77 | <0.1 | 46.9 | 17.6 | 735 | 3.66 | 0.9 | <0.5 | 1.9 | 90 | 0.2 | 0.2 | 0.2 | 69 | 0.8 | 0.029 | 14 | 42 | 0.94 | 138 | 0.155 | 3 | 2.85 | 0.036 | 0.19 | <0.1 | 0.03 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 144 | 617974 | 5582502 | 1185 | VAN13001613 | 0.3 | 44.8 | 3.9 | 90 | <0.1 | 63 | 19.4 | 660 | 4.3 | 0.9 | 0.9 | 1.7 | 121 | 0.1 | <0.1 | 0.1 | 82 | 0.87 | 0.04 | 15 | 57 | 1.32 | 124 | 0.203 | 2 | 2.75 | 0.04 | 0.15 | <0.1 | 0.02 | 11.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 145 | 617950 | 5582497 | 1176 | VAN13001613 | 0.6 | 25.4 | 5.2 | 67 | <0.1 | 22.6 | 12 | 432 | 2.57 | 1.6 | 1.3 | 1.8 | 87 | <0.1 | 0.1 | 0.2 | 63 | 0.59 | 0.026 | 8 | 29 | 0.62 | 152 | 0.153 | 3 | 2.23 | 0.031 | 0.12 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 146 | 617924 | 5582502 | 1173 | VAN13001613 | 0.5 | 26.5 | 5.1 | 55 | <0.1 | 18.9 | 11.5 | 472 | 2.61 | 1 | <0.5 | 1.9 | 65 | <0.1 | 0.1 | 0.1 | 66 | 0.63 | 0.013 | 8 | 26 | 0.6 | 112 | 0.138 | 4 | 2.09 | 0.037 | 0.19 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 147 | 617899 | 5582498 | 1174 | VAN13001613 | 0.5 | 35.8 | 5.2 | 67 | <0.1 | 26.2 | 13.1 | 617 | 2.75 | 1.3 | 0.7 | 2.2 | 177 | 0.1 | 0.1 | 0.1 | 54 | 0.84 | 0.027 | 18 | 28 | 0.77 | 249 | 0.09 | 3 | 2.7 | 0.029 | 0.25 | <0.1 | 0.03 | 8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 148 | 617874 | 5582501 | 1166 | VAN13001613 | 0.3 | 34.2 | 4.9 | 68 | <0.1 | 24.9 | 12.7 | 532 | 2.72 | 0.9 | <0.5 | 2.4 | 162 | 0.1 | 0.1 | 0.1 | 49 | 0.73 | 0.023 | 15 | 28 | 0.61 | 233 | 0.107 | 4 | 2.55 | 0.028 | 0.27 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 149 | 617850 | 5582502 | 1165 | VAN13001613 | 0.5 | 32.7 | 5.1 | 65 | 0.1 | 24.4 | 12.8 | 518 | 2.65 | 1.5 | 2.7 | 1.9 | 92 | 0.2 | 0.2 | 0.1 | 57 | 0.71 | 0.038 | 12 | 31 | 0.61 | 145 | 0.135 | 4 | 2.56 | 0.033 | 0.21 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 150 | 617826 | 5582499 | 1158 | VAN13001613 | 0.5 | 41.4 | 4.6 | 62 | <0.1 | 27.9 | 13.6 | 436 | 3.09 | 1.6 | <0.5 | 2 | 116 | <0.1 | 0.2 | 0.2 | 75 | 0.78 | 0.031 | 14 | 35 | 0.7 | 144 | 0.138 | 2 | 2.63 | 0.04 | 0.29 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 151 | 617801 | 5582502 | 1148 | VAN13001613 | 0.4 | 28.4 | 4.5 | 67 | <0.1 | 21.2 | 9.6 | 476 | 2.32 | 1.2 | 1.5 | 1.7 | 87 | 0.2 | 0.1 | 0.1 | 53 | 0.61 | 0.023 | 11 | 24 | 0.5 | 157 | 0.124 | 6 | 2.08 | 0.029 | 0.37 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 152 | 617775 | 5582499 | 1138 | VAN13001613 | 0.2 | 42.2 | 5 | 52 | <0.1 | 32.2 | 16.6 | 387 | 3.04 | 0.7 | <0.5 | 2.8 | 83 | <0.1 | 0.1 | <0.1 | 54 | 0.97 | 0.028 | 19 | 25 | 1.13 | 87 | 0.059 | 2 | 3.17 | 0.066 | 0.18 | <0.1 | 0.01 | 10.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 JT 196 | 617151 | 5582747 | 1103 | VAN13001613 | 0.4 | 33 | 4.3 | 59 | <0.1 | 30.6 | 13.2 | 466 | 2.85 | 0.7 | 0.8 | 2.4 | 101 | <0.1 | <0.1 | <0.1 | 73 | 0.91 | 0.029 | 10 | 47 | 1 | 84 | 0.235 | 5 | 2.01 | 0.088 | 0.16 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 197 | 617173 | 5582751 | 1103 | VAN13001613 | 0.2 | 28.7 | 4.3 | 68 | <0.1 | 29 | 11.3 | 441 | 2.89 | 0.8 | 0.7 | 2.1 | 135 | 0.2 | <0.1 | <0.1 | 62 | 0.78 | 0.027 | 11 | 45 | 0.78 | 117 | 0.207 | 4 | 2.42 | 0.044 | 0.35 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 198 | 617196 | 5582750 | 1103 | VAN13001613 | 0.3 | 36.2 | 4.8 | 51 | <0.1 | 22.3 | 10.1 | 299 | 2.81 | 1.6 | 2.3 | 1.9 | 87 | <0.1 | <0.1 | <0.1 | 60 | 0.61 | 0.036 | 17 | 29 | 0.57 | 84 | 0.108 | 7 | 2.36 | 0.027 | 0.28 | <0.1 | 0.01 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 199 | 617226 | 5582749 | 1114 | VAN13001613 | 0.3 | 24.2 | 4.9 | 61 | <0.1 | 12.4 | 7.5 | 369 | 2.17 | 1.7 | 2.7 | 1.6 | 65 | <0.1 | <0.1 | <0.1 | 50 | 0.59 | 0.019 | 13 | 19 | 0.43 | 110 | 0.1 | 6 | 1.8 | 0.022 | 0.25 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 200 | 617249 | 5582749 | 1123 | VAN13001613 | 0.1 | 35.7 | 4.6 | 55 | <0.1 | 11.3 | 7.9 | 266 | 2.95 | 2 | 1.5 | 1.8 | 64 | <0.1 | <0.1 | <0.1 | 69 | 0.56 | 0.021 | 20 | 20 | 0.6 | 101 | 0.05 | 2 | 2.2 | 0.023 | 0.2 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 201 | 617274 | 5582751 | 1134 | VAN13001613 | 0.1 | 31.1 | 4.2 | 38 | <0.1 | 8.1 | 7.8 | 969 | 1.73 | 3.2 | 2.3 | 1.3 | 43 | <0.1 | <0.1 | <0.1 | 39 | 3.58 | 0.182 | 19 | 9 | 0.41 | 58 | 0.008 | 5 | 1.45 | 0.01 | 0.09 | <0.1 | 0.03 | 5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 JT 202 | 617302 | 5582749 | 1138 | VAN13001613 | 0.7 | 37.8 | 6.9 | 77 | <0.1 | 25.4 | 13.5 | 990 | 2.82 | 2.1 | 0.9 | 1.8 | 101 | 0.1 | 0.2 | <0.1 | 73 | 0.87 | 0.03 | 13 | 32 | 0.53 | 172 | 0.149 | 5 | 2.5 | 0.027 | 0.29 | <0.1 | 0.01 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 203 | 617326 | 5582750 | 1140 | VAN13001613 | 0.4 | 38.2 | 5 | 69 | <0.1 | 25.8 | 11.2 | 462 | 2.91 | 1.7 | 1.6 | 1.9 | 91 | 0.1 | 0.2 | <0.1 | 67 | 0.71 | 0.022 | 16 | 34 | 0.59 | 144 | 0.157 | 3 | 2.76 | 0.031 | 0.23 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 204 | 617350 | 5582750 | 1142 | VAN13001613 | 0.4 | 31.1 | 4.4 | 79 | <0.1 | 19.4 | 10 | 612 | 2.59 | 2.1 | 1.2 | 2.1 | 99 | 0.1 | 0.1 | 0.2 | 71 | 0.79 | 0.032 | 16 | 28 | 0.53 | 133 | 0.15 | 6 | 2.43 | 0.036 | 0.23 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 205 | 617375 | 5582751 | 1144 | VAN13001613 | 0.2 | 53.4 | 4.9 | 59 | <0.1 | 27.4 | 12.9 | 470 | 3.31 | 1.7 | 2.7 | 2.2 | 143 | <0.1 | 0.1 | <0.1 | 84 | 0.86 | 0.027 | 19 | 33 | 0.86 | 156 | 0.138 | 3 | 3.04 | 0.057 | 0.15 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 206 | 617402 | 5582748 | 1143 | VAN13001613 | 0.3 | 32.7 | 4.7 | 66 | <0.1 | 22.6 | 10.9 | 508 | 2.84 | 1.9 | 1.3 | 1.7 | 116 | 0.1 | 0.1 | <0.1 | 68 | 0.74 | 0.033 | 13 | 30 | 0.51 | 125 | 0.158 | 10 | 2.37 | 0.041 | 0.27 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 207 | 617427 | 5582749 | 1139 | VAN13001613 | 0.5 | 22.6 | 4.3 | 65 | <0.1 | 15.4 | 7.8 | 513 | 2.23 | 2.4 | 1 | 1.6 | 102 | <0.1 | 0.5 | <0.1 | 64 | 0.57 | 0.022 | 11 | 22 | 0.36 | 125 | 0.129 | 5 | 1.62 | 0.037 | 0.24 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 JT 208 | 617453 | 5582750 | 1142 | VAN13001613 | 0.2 | 43.7 | 4.8 | 59 | <0.1 | 20.6 | 11 | 594 | 2.69 | 2 | 1.3 | 2.3 | 134 | 0.1 | 0.2 | <0.1 | 65 | 0.93 | 0.025 | 18 | 23 | 0.5 | 140 | 0.059 | 6 | 2.5 | 0.048 | 0.28 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 209 | 617474 | 5582750 | 1143 | VAN13001613 | 0.3 | 25 | 4.6 | 75 | <0.1 | 19.6 | 8.9 | 484 | 2.52 | 1.8 | 2 | 1.6 | 114 | 0.1 | 0.2 | <0.1 | 63 | 0.68 | 0.036 | 10 | 28 | 0.44 | 134 | 0.141 | 11 | 2 | 0.036 | 0.38 | <0.1 | 0.01 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 210 | 617499 | 5582750 | 1142 | VAN13001613 | 0.3 | 41.4 | 4.8 | 60 | <0.1 | 28.6 | 13.9 | 549 | 3.09 | 1.7 | 0.8 | 2 | 127 | <0.1 | 0.1 | <0.1 | 73 | 0.81 | 0.025 | 16 | 31 | 0.74 | 132 | 0.131 | 3 | 2.69 | 0.047 | 0.26 | <0.1 | 0.01 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 211 | 617525 | 5582748 | 1147 | VAN13001613 | 0.3 | 49 | 4.9 | 64 | <0.1 | 30.8 | 13.2 | 510 | 3.28 | 1.7 | 2.4 | 2 | 126 | 0.1 | 0.2 | <0.1 | 78 | 0.87 | 0.03 | 17 | 37 | 0.78 | 124 | 0.137 | 5 | 2.94 | 0.041 | 0.35 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 212 | 617550 | 5582749 | 1148 | VAN13001613 | 0.3 | 25.6 | 4.5 | 102 | <0.1 | 18.2 | 8.2 | 613 | 2.39 | 1.5 | 1.1 | 1.7 | 80 | 0.1 | 0.1 | <0.1 | 56 | 0.64 | 0.02 | 9 | 25 | 0.45 | 149 | 0.132 | 6 | 2.37 | 0.035 | 0.25 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 213 | 617574 | 5582750 | 1154 | VAN13001613 | 0.3 | 41.7 | 5.3 | 59 | <0.1 | 21.6 | 11.1 | 505 | 2.85 | 2 | 0.9 | 2 | 143 | 0.1 | 0.1 | 0.1 | 74 | 0.84 | 0.035 | 17 | 29 | 0.59 | 167 | 0.108 | 4 | 2.67 | 0.045 | 0.18 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 214 | 617602 | 5582748 | 1156 | VAN13001613 | 0.4 | 22.5 | 4.4 | 52 | <0.1 | 15.4 | 7.9 | 359 | 2.33 | 1.5 | 1 | 1.7 | 117 | <0.1 | 0.1 | 0.1 | 59 | 0.62 | 0.025 | 11 | 23 | 0.44 | 131 | 0.121 | 4 | 1.89 | 0.038 | 0.21 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 215 | 617625 | 5582751 | 1164 | VAN13001613 | 0.2 | 43.1 | 4.9 | 43 | <0.1 | 22.9 | 10 | 329 | 2.75 | 1.7 | 1.2 | 2.2 | 153 | <0.1 | 0.1 | <0.1 | 66 | 0.86 | 0.033 | 17 | 25 | 0.67 | 141 | 0.079 | 6 | 2.29 | 0.042 | 0.17 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 216 | 617650 | 5582750 | 1153 | VAN13001613 | 6 | 32.5 | 5.5 | 66 | <0.1 | 11.3 | 7.8 | 598 | 2.22 | 2.6 | 1 | 2 | 94 | 0.1 | <0.1 | <0.1 | 54 | 0.91 | 0.053 | 14 | 19 | 0.53 | 84 | 0.065 | 8 | 1.72 | 0.018 | 0.21 | 0.1 | 0.04 | 7.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 217 | 617674 | 5582753 | 1145 | VAN13001613 | 0.4 | 28.4 | 4.1 | 65 | <0.1 | 16.9 | 8.7 | 352 | 2.58 | 2.2 | <0.5 | 2 | 93 | <0.1 | 0.1 | <0.1 | 58 | 0.72 | 0.034 | 13 | 25 | 0.54 | 100 | 0.114 | 9 | 1.92 | 0.025 | 0.3 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 218 | 617694 | 5582897 | 1172 | VAN13001613 | 0.4 | 18.3 | 4.7 | 72 | <0.1 | 14.2 | 7.4 | 505 | 2.05 | 1.4 | 1.5 | 1.6 | 85 | 0.1 | 0.1 | <0.1 | 51 | 0.56 | 0.018 | 9 | 22 | 0.38 | 141 | 0.122 | 4 | 1.72 | 0.027 | 0.2 | <0.1 | 0.02 | 5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 JT 219 | 617725 | 5582902 | 1167 | VAN13001613 | 0.3 | 29.1 | 5.5 | 61 | <0.1 | 17.6 | 9.7 | 424 | 2.82 | 1.4 | 0.8 | 2.3 | 112 | <0.1 | 0.1 | <0.1 | 67 | 0.72 | 0.036 | 16 | 28 | 0.58 | 119 | 0.115 | 3 | 2.21 | 0.028 | 0.21 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 220 | 617754 | 5582901 | 1167 | VAN13001613 | 0.3 | 28.2 | 5 | 72 | <0.1 | 17.9 | 10.3 | 614 | 2.56 | 1.5 | <0.5 | 2.1 | 118 | <0.1 | <0.1 | <0.1 | 64 | 0.86 | 0.036 | 16 | 25 | 0.59 | 135 | 0.112 | 5 | 2.29 | 0.034 | 0.15 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| GP 13 JT 221 | 617775 | 5582898 | 1178 | VAN13001613 | 0.3 | 27.9 | 5.4 | 63 | <0.1 | 22.2 | 11.5 | 623 | 2.52 | 1.2 | 0.7 | 2 | 94 | 0.1 | <0.1 | <0.1 | 64 | 0.72 | 0.024 | 16 | 30 | 0.51 | 127 | 0.124 | 5 | 2.15 | 0.026 | 0.19 | <0.1 | 0.03 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 222 | 617802 | 5582900 | 1180 | VAN13001613 | 0.4 | 16.5 | 5.1 | 62 | <0.1 | 14 | 6.9 | 393 | 1.96 | 0.9 | <0.5 | 1.4 | 65 | 0.1 | <0.1 | <0.1 | 64 | 0.42 | 0.027 | 5 | 23 | 0.39 | 108 | 0.158 | 4 | 1.46 | 0.024 | 0.2 | <0.1 | 0.02 | 4 | <0.1 | <0.05 | 4 | 0.6 | <0.2 |
| GP 13 JT 223 | 617825 | 5582902 | 1184 | VAN13001613 | 0.3 | 18.4 | 4.9 | 67 | <0.1 | 12.8 | 7.7 | 620 | 1.91 | 1 | 1.3 | 1.5 | 67 | 0.1 | <0.1 | <0.1 | 49 | 0.54 | 0.021 | 8 | 18 | 0.36 | 102 | 0.122 | 4 | 1.37 | 0.022 | 0.2 | <0.1 | 0.03 | 4.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 JT 224 | 617847 | 5582902 | 1197 | VAN13001613 | 0.4 | 39.1 | 5.2 | 107 | <0.1 | 21.1 | 12.6 | 606 | 3.11 | 1.7 | 1.1 | 2.4 | 103 | 0.1 | 0.1 | <0.1 | 73 | 1.03 | 0.031 | 15 | 28 | 0.57 | 146 | 0.14 | 5 | 2.53 | 0.029 | 0.24 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 225 | 617881 | 5582898 | 1210 | VAN13001613 | 0.2 | 34.2 | 5.7 | 60 | <0.1 | 20.4 | 10 | 385 | 2.99 | 0.9 | <0.5 | 2.3 | 96 | 0.1 | 0.1 | <0.1 | 74 | 0.7 | 0.016 | 17 | 30 | 0.59 | 104 | 0.132 | 3 | 2.33 | 0.03 | 0.2 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| GP 13 JT 226 | 617902 | 5582899 | 1211 | VAN13001613 | 0.2 | 35.2 | 6.1 | 58 | <0.1 | 13.3 | 7.6 | 287 | 2.83 | 1 | <0.5 | 2.4 | 128 | <0.1 | <0.1 | <0.1 | 68 | 0.77 | 0.03 | 18 | 18 | 0.51 | 97 | 0.148 | 5 | 2.01 | 0.025 | 0.25 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 227 | 617925 | 5582902 | 1220 | VAN13001613 | 0.2 | 31.2 | 6.6 | 69 | <0.1 | 10.4 | 9.6 | 609 | 2.79 | 0.8 | <0.5 | 2.6 | 112 | <0.1 | <0.1 | <0.1 | 75 | 0.58 | 0.016 | 16 | 12 | 0.52 | 88 | 0.166 | 3 | 1.86 | 0.024 | 0.23 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 228 | 617950 | 5582902 | 1217 | VAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

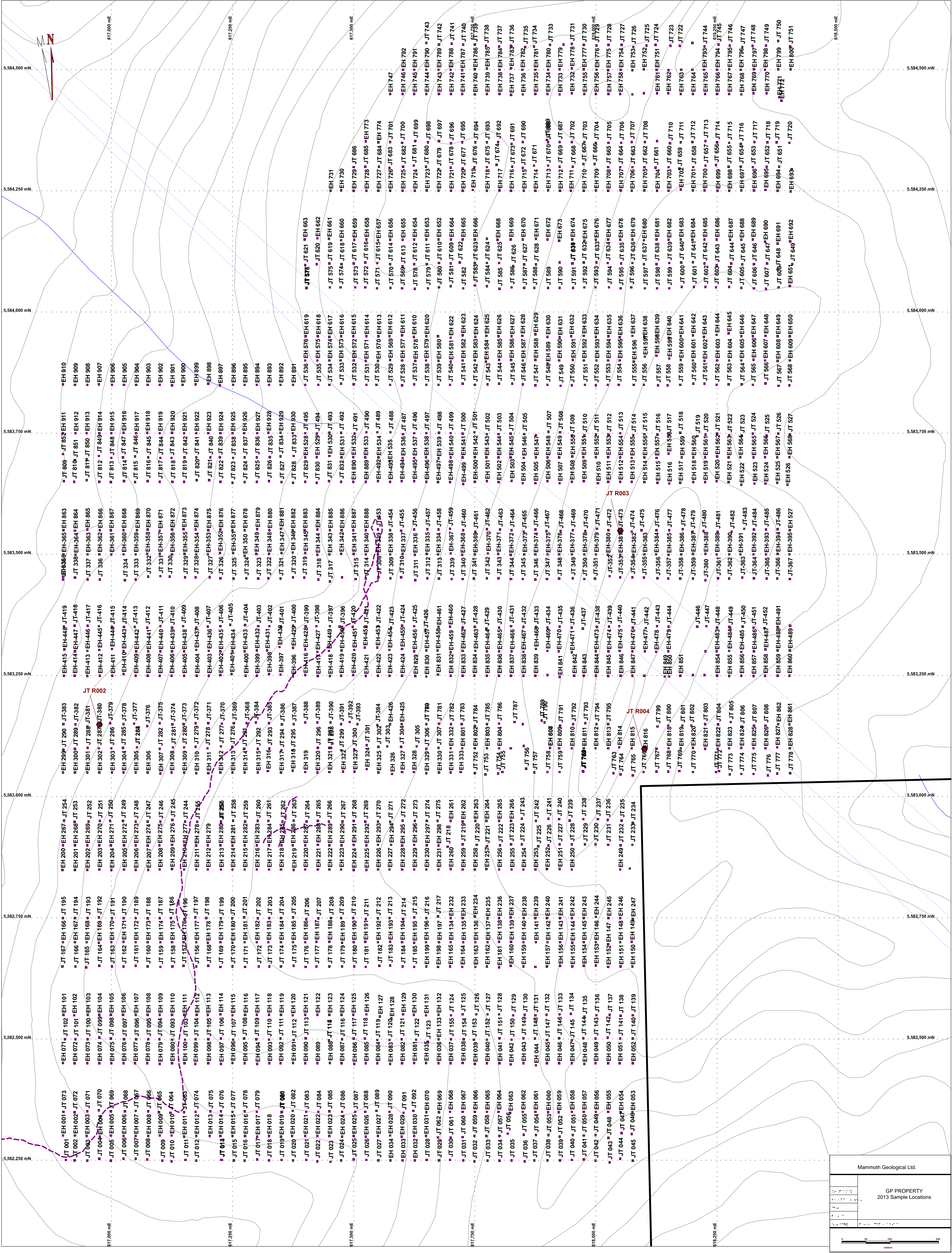
| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 JT 271 | 617575 | 5582948 | 1166 | VAN13001611 | 0.4 | 30 | 4.9 | 69 | <0.1 | 20 | 10 | 552 | 2.76 | 3.1 | 0.6 | 2.1 | 128 | 0.2 | 0.2 | <0.1 | 62 | 0.75 | 0.026 | 21 | 27 | 0.49 | 164 | 0.117 | 3 | 2.67 | 0.036 | 0.25 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 272 | 617601 | 5582951 | 1171 | VAN13001611 | 0.6 | 23.3 | 4.9 | 74 | <0.1 | 19.2 | 8.2 | 614 | 2.43 | 2.6 | <0.5 | 1.6 | 97 | <0.1 | 0.2 | <0.1 | 69 | 0.6 | 0.023 | 9 | 29 | 0.44 | 153 | 0.162 | 3 | 2.13 | 0.033 | 0.21 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 273 | 617626 | 5582950 | 1172 | VAN13001611 | 0.5 | 39.1 | 5.1 | 93 | <0.1 | 26 | 10.9 | 584 | 3.04 | 3.5 | 0.9 | 1.9 | 90 | <0.1 | 0.2 | <0.1 | 67 | 0.73 | 0.037 | 13 | 36 | 0.6 | 165 | 0.143 | 5 | 3.16 | 0.033 | 0.23 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 274 | 617651 | 5582950 | 1182 | VAN13001611 | 0.4 | 40.9 | 4.6 | 62 | <0.1 | 20.6 | 9.2 | 320 | 3.17 | 3.8 | 2.3 | 2.8 | 119 | <0.1 | 0.2 | <0.1 | 70 | 0.85 | 0.043 | 21 | 31 | 0.59 | 148 | 0.094 | 4 | 2.95 | 0.03 | 0.16 | <0.1 | 0.02 | 10 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 275 | 617673 | 5582950 | 1185 | VAN13001611 | 0.4 | 35.6 | 5.2 | 83 | <0.1 | 25.4 | 11.9 | 723 | 2.95 | 2.2 | <0.5 | 2 | 101 | 0.1 | 0.2 | <0.1 | 68 | 0.73 | 0.018 | 14 | 36 | 0.55 | 148 | 0.133 | 4 | 2.84 | 0.034 | 0.19 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 276 | 617249 | 5583103 | 1085 | VAN13001611 | 0.4 | 32.6 | 4.4 | 77 | <0.1 | 23.6 | 11 | 631 | 2.72 | 1 | <0.5 | 1.7 | 84 | 0.1 | 0.1 | 0.2 | 59 | 0.63 | 0.025 | 10 | 28 | 0.62 | 138 | 0.144 | 6 | 2.83 | 0.034 | 0.28 | <0.1 | <0.01 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 277 | 617226 | 5583104 | 1081 | VAN13001611 | 0.5 | 38.5 | 5 | 79 | <0.1 | 30.8 | 12.3 | 592 | 3.13 | 1.6 | 0.8 | 1.9 | 96 | <0.1 | 0.2 | 0.1 | 72 | 0.8 | 0.028 | 13 | 41 | 0.7 | 155 | 0.167 | 4 | 3.28 | 0.041 | 0.15 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 278 | 617198 | 5583100 | 1075 | VAN13001611 | 0.2 | 39.9 | 4.2 | 55 | <0.1 | 38.3 | 13.2 | 391 | 3.3 | 0.7 | 0.6 | 2.6 | 89 | <0.1 | <0.1 | <0.1 | 78 | 0.86 | 0.034 | 19 | 50 | 1.13 | 79 | 0.161 | 4 | 2.43 | 0.037 | 0.16 | <0.1 | 0.01 | 12.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 279 | 617174 | 5583103 | 1064 | VAN13001611 | 0.3 | 42.3 | 3.9 | 67 | <0.1 | 30.7 | 12.7 | 498 | 3.1 | 0.9 | <0.5 | 2.3 | 96 | <0.1 | <0.1 | <0.1 | 74 | 0.76 | 0.029 | 14 | 34 | 0.78 | 108 | 0.178 | 5 | 2.56 | 0.047 | 0.19 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 280 | 617150 | 5583102 | 1047 | VAN13001611 | 0.2 | 31.2 | 3.9 | 84 | <0.1 | 23.4 | 9.7 | 339 | 2.79 | 1.1 | 0.6 | 2 | 93 | 0.1 | <0.1 | <0.1 | 58 | 0.71 | 0.028 | 10 | 28 | 0.55 | 107 | 0.173 | 5 | 2.68 | 0.043 | 0.19 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 281 | 617127 | 5583102 | 1037 | VAN13001611 | 0.4 | 32.9 | 4.7 | 112 | <0.1 | 22.9 | 11.2 | 716 | 2.86 | 1.4 | 0.7 | 1.9 | 108 | 0.2 | 0.1 | <0.1 | 66 | 0.83 | 0.033 | 12 | 28 | 0.6 | 136 | 0.192 | 6 | 2.7 | 0.038 | 0.28 | <0.1 | <0.01 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 282 | 617100 | 5583099 | 1026 | VAN13001611 | 0.3 | 35.2 | 4 | 75 | <0.1 | 37.9 | 15.5 | 485 | 3.25 | 1 | <0.5 | 1.7 | 98 | 0.1 | 0.1 | <0.1 | 74 | 0.79 | 0.029 | 15 | 34 | 0.89 | 82 | 0.225 | 4 | 2.36 | 0.05 | 0.22 | <0.1 | <0.01 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 283 | 617053 | 5583102 | 1001 | VAN13001611 | 0.2 | 47.8 | 4.2 | 67 | <0.1 | 31.2 | 13.1 | 373 | 3.46 | 1 | 0.9 | 1.9 | 132 | <0.1 | 0.1 | 0.1 | 88 | 0.91 | 0.037 | 15 | 34 | 0.9 | 92 | 0.228 | 4 | 2.73 | 0.045 | 0.24 | <0.1 | 0.01 | 10.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 284 | 617053 | 5583102 | 1001 | VAN13001611 | 0.4 | 27.1 | 4.6 | 84 | <0.1 | 19.8 | 9.4 | 490 | 2.53 | 1 | 1 | 1.4 | 83 | <0.1 | 0.1 | 0.1 | 60 | 0.65 | 0.029 | 8 | 24 | 0.52 | 100 | 0.18 | 5 | 2.4 | 0.038 | 0.27 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 285 | 617024 | 5583101 | 998 | VAN13001611 | 0.2 | 54.7 | 4.6 | 50 | <0.1 | 36.7 | 13.8 | 412 | 3.37 | 1.2 | 1.9 | 2 | 121 | 0.1 | 0.1 | <0.1 | 93 | 0.92 | 0.061 | 15 | 34 | 1.12 | 74 | 0.191 | 4 | 2.7 | 0.062 | 0.22 | <0.1 | 0.02 | 10.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 286 | 617000 | 5583100 | 992 | VAN13001611 | 0.2 | 39.9 | 5.5 | 62 | <0.1 | 26.7 | 11.2 | 367 | 3.08 | 1.3 | <0.5 | 1.5 | 160 | <0.1 | <0.1 | <0.1 | 88 | 0.82 | 0.034 | 14 | 36 | 0.84 | 125 | 0.242 | 7 | 3.01 | 0.062 | 0.28 | <0.1 | <0.01 | 8.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 287 | 616974 | 5583100 | 983 | VAN13001611 | 0.3 | 33.2 | 5.6 | 82 | <0.1 | 23.7 | 12.6 | 768 | 2.81 | 1 | <0.5 | 1.6 | 142 | 0.1 | <0.1 | 0.1 | 86 | 0.88 | 0.028 | 12 | 32 | 0.7 | 141 | 0.265 | 3 | 2.67 | 0.065 | 0.23 | <0.1 | 0.01 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 288 | 616951 | 5583101 | 967 | VAN13001611 | 0.3 | 41.5 | 4.9 | 74 | <0.1 | 30.9 | 14.8 | 662 | 3.53 | 1.4 | 0.9 | 1.9 | 123 | <0.1 | <0.1 | <0.1 | 91 | 0.95 | 0.036 | 13 | 34 | 0.88 | 101 | 0.335 | <1 | 2.74 | 0.094 | 0.18 | <0.1 | <0.01 | 10.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 289 | 616925 | 5583099 | 955 | VAN13001611 | 0.3 | 38 | 4.9 | 65 | <0.1 | 28.1 | 13.1 | 495 | 3.39 | 1 | <0.5 | 2 | 110 | 0.1 | 0.1 | <0.1 | 78 | 0.98 | 0.04 | 14 | 29 | 0.92 | 80 | 0.341 | 4 | 2.31 | 0.057 | 0.3 | <0.1 | 0.01 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 290 | 616901 | 5583097 | 946 | VAN13001611 | 0.3 | 36.8 | 4.7 | 72 | <0.1 | 26.2 | 11.8 | 406 | 3.13 | 1.2 | <0.5 | 1.9 | 101 | 0.1 | 0.1 | 0.1 | 71 | 0.84 | 0.039 | 11 | 32 | 0.74 | 106 | 0.226 | 4 | 2.95 | 0.044 | 0.26 | <0.1 | <0.01 | 8.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 291 | 617274 | 5583099 | 1101 | VAN13001611 | 0.4 | 37.4 | 4.9 | 70 | <0.1 | 24 | 12.5 | 478 | 2.94 | 1.4 | <0.5 | 1.9 | 103 | <0.1 | 0.1 | 0.1 | 69 | 0.74 | 0.036 | 16 | 31 | 0.71 | 110 | 0.119 | 3 | 2.91 | 0.028 | 0.21 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 292 | 617302 | 5583099 | 1110 | VAN13001611 | 0.3 | 30.4 | 4.9 | 81 | 0.1 | 20.2 | 12.2 | 791 | 3.01 | 1.2 | <0.5 | 1.8 | 95 | 0.1 | <0.1 | <0.1 | 72 | 0.75 | 0.036 | 17 | 24 | 0.67 | 119 | 0.166 | 3 | 2.71 | 0.035 | 0.2 | <0.1 | 0.02 | 8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 293 | 617326 | 5583100 | 1117 | VAN13001611 | 0.5 | 36.4 | 5.3 | 76 | <0.1 | 27.4 | 12.8 | 508 | 3.01 | 2.6 | <0.5 | 1.9 | 90 | <0.1 | 0.2 | <0.1 | 69 | 0.72 | 0.032 | 12 | 35 | 0.63 | 140 | 0.163 | 3 | 3.02 | 0.032 | 0.21 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 294 | 617351 | 5583096 | 1123 | VAN13001611 | 0.3 | 51.3 | 4.6 | 60 | <0.1 | 30.2 | 12 | 450 | 3.09 | 2.4 | 0.8 | 2.2 | 126 | 0.1 | 0.2 | <0.1 | 74 | 0.88 | 0.039 | 18 | 29 | 0.86 | 118 | 0.124 | 2 | 2.69 | 0.048 | 0.17 | <0.1 | 0.01 | 9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 295 | 617374 | 5583096 | 1121 | VAN13001611 | 0.4 | 40 | 5.5 | 69 | 0.1 | 29.7 | 14 | 412 | 2.99 | 2.6 | <0.5 | 2 | 92 | 0.1 | 0.2 | 0.1 | 66 | 0.77 | 0.03 | 12 | 35 | 0.71 | 167 | 0.151 | 3 | 3.16 | 0.033 | 0.19 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 296 | 617426 | 5583101 | 1131 | VAN13001611 | 0.5 | 36 | 5.6 | 66 | 0.1 | 25.6 | 12.1 | 347 | 2.97 | 3.3 | <0.5 | 2 | 105 | 0.1 | 0.2 | 0.2 | 74 | 0.8 | 0.038 | 15 | 36 | 0.64 | 161 | 0.15 | 2 | 3.29 | 0.035 | 0.13 | <0.1 | 0.02 | 8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 297 | 617450 | 5583101 | 1128 | VAN13001611 | 0.5 | 39 | 5.7 | 55 | 0.1 | 27.4 | 12.9 | 344 | 3.04 | 3 | <0.5 | 2.3 | 107 | 0.1 | 0.3 | 0.1 | 72 | 0.86 | 0.027 | 15 | 35 | 0.69 | 168 | 0.147 | 2 | 3.19 | 0.037 | 0.13 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 298 | 617453 | 5583101 | 1128 | VAN13001611 | 0.5 | 30.9 | 5.6 | 66 | <0.1 | 24.8 | 12.5 | 688 | 2.88 | 2.7 | <0.5 | 1.8 | 85 | <0.1 | 0.2 | 0.1 | 66 | 0.69 | 0.031 | 11 | 32 | 0.55 | 172 | 0.154 | 3 | 3.21 | 0.033 | 0.14 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 299 | 617474 | 5583096 | 1126 | VAN13001611 | 0.4 | 27.8 | 4.7 | 96 | <0.1 | 20.3 | 10.3 | 553 | 2.53 | 1.8 | 0.5 | 1.4 | 83 | 0.1 | 0.1 | <0.1 | 56 | 0.66 | 0.023 | 7 | 26 | 0.57 | 121 | 0.129 | 4 | 2.63 | 0.031 | 0.26 | <0.1 | 0.01 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 300 | 617501 | 5583098 | 1125 | VAN13001611 | 0.4 | 38.3 | 5.4 | 64 | <0.1 | 26.4 | 11.6 | 442 | 2.85 | 2.4 | 0.6 | 2 | 105 | <0.1 | 0.2 | 0.1 | 67 | 0.7 | 0.034 | 13 | 33 | 0.67 | 148 | 0.146 | 3 | 2.9 | 0.032 | 0.25 | <0.1 | <0.01 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 301 | 617527 | 5583106 | 1128 | VAN13001611 | 0.6 | 28.2 | 5.3 | 73 | <0.1 | 23.3 | 11.3 | 825 | 2.51 | 2.4 | <0.5 | 1.7 | 102 | 0.2 | 0.1 | 0.1 | 66 | 0.69 | 0.026 | 10 | 31 | 0.53 | 187 | 0.144 | 2 | 2.5 | 0.029 | 0.22 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 302 | 617551 | 5583103 | 1133 | VAN13001611 | 0.4 | 24.6 | 4.3 | 107 | <0.1 | 19.5 | 8.7 | 413 | 2.47 | 2.9 | <0.5 | 1.3 | 75 | <0.1 | 0.1 | <0.1 | 59 | 0.66 | 0.026 | 8 | 27 | 0.5 | 148 | 0.117 | 2 | 2.41 | 0.031 | 0.18 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 303 | 617569 | 5583104 | 1142 | VAN13001611 | 0.4 | 18.5</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 JT 346 | 617875 | 5583448 | 1229 | VAN13001611 | 0.1 | 40.5 | 4.2 | 68 | <0.1 | 31.4 | 13.1 | 549 | 3.11 | 0.6 | 2.6 | 2.3 | 90 | <0.1 | <0.1 | <0.1 | 61 | 0.76 | 0.033 | 13 | 39 | 0.88 | 129 | 0.17 | 5 | 2.54 | 0.039 | 0.29 | <0.1 | 0.01 | 9.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 347 | 617899 | 5583449 | 1242 | VAN13001611 | 0.5 | 42.7 | 6.5 | 82 | <0.1 | 46.6 | 22.2 | 972 | 3.44 | 2.1 | <0.5 | 1.7 | 91 | <0.1 | <0.1 | <0.1 | 71 | 0.93 | 0.062 | 11 | 49 | 1.13 | 148 | 0.146 | 4 | 2.95 | 0.041 | 0.27 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 348 | 617924 | 5583450 | 1255 | VAN13001611 | 0.5 | 38.7 | 4.6 | 85 | <0.1 | 34.5 | 13.4 | 748 | 3.02 | 1.1 | <0.5 | 2.3 | 92 | <0.1 | <0.1 | <0.1 | 69 | 1.01 | 0.05 | 17 | 46 | 0.91 | 160 | 0.143 | 4 | 2.96 | 0.043 | 0.21 | <0.1 | 0.03 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 349 | 617952 | 5583451 | 1264 | VAN13001611 | 0.1 | 31.3 | 3.6 | 64 | <0.1 | 29.9 | 11.1 | 394 | 2.95 | 0.8 | <0.5 | 2.5 | 75 | <0.1 | <0.1 | <0.1 | 62 | 0.76 | 0.029 | 15 | 52 | 0.81 | 139 | 0.105 | 4 | 2.78 | 0.038 | 0.19 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 350 | 617976 | 5583449 | 1281 | VAN13001611 | 0.1 | 36.1 | 3.1 | 60 | <0.1 | 35.3 | 12.6 | 484 | 3.37 | 0.7 | <0.5 | 2.8 | 87 | <0.1 | <0.1 | <0.1 | 77 | 0.71 | 0.028 | 18 | 53 | 1.29 | 135 | 0.113 | 4 | 2.96 | 0.044 | 0.18 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 351 | 617998 | 5583450 | 1288 | VAN13001680 | 0.4 | 30.4 | 4.2 | 54 | <0.1 | 26.3 | 10.3 | 373 | 2.7 | 1.5 | 2.6 | 1.9 | 102 | <0.1 | 0.1 | <0.1 | 59 | 0.71 | 0.037 | 16 | 35 | 0.72 | 140 | 0.093 | 3 | 2.42 | 0.036 | 0.15 | <0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 352 | 618028 | 5583455 | 1303 | VAN13001680 | 0.3 | 25.1 | 3.7 | 114 | <0.1 | 20.4 | 7.9 | 543 | 1.9 | 2 | 1.6 | 1.1 | 106 | 0.2 | 0.1 | <0.1 | 38 | 1.15 | 0.201 | 7 | 17 | 0.42 | 210 | 0.069 | 9 | 1.88 | 0.024 | 0.24 | <0.1 | 0.03 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 353 | 618050 | 5583453 | 1311 | VAN13001680 | 0.7 | 40.5 | 4.9 | 91 | 0.1 | 25.6 | 16.5 | 1321 | 3.27 | 5.4 | 2.7 | 0.6 | 93 | 0.1 | 0.2 | <0.1 | 66 | 1.19 | 0.17 | 11 | 26 | 0.9 | 150 | 0.059 | 2 | 3.53 | 0.024 | 0.17 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 354 | 618075 | 5583453 | 1326 | VAN13001680 | 0.5 | 28.6 | 6 | 68 | <0.1 | 25.2 | 12.7 | 669 | 2.73 | 1.8 | 1.2 | 1.6 | 91 | 0.1 | 0.2 | <0.1 | 63 | 0.84 | 0.036 | 9 | 26 | 0.69 | 163 | 0.106 | 2 | 3.01 | 0.02 | 0.2 | <0.1 | 0.01 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 355 | 618099 | 5583452 | 1332 | VAN13001680 | 0.5 | 33.5 | 5.4 | 60 | <0.1 | 26.1 | 13.3 | 738 | 3.15 | 2.4 | 1.7 | 1.8 | 110 | 0.2 | 0.3 | <0.1 | 68 | 0.78 | 0.027 | 14 | 34 | 0.67 | 151 | 0.115 | 4 | 2.7 | 0.025 | 0.22 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 356 | 618127 | 5583451 | 1328 | VAN13001680 | 0.3 | 29.8 | 5.4 | 97 | <0.1 | 18.2 | 9.4 | 798 | 2.15 | 0.9 | 1.3 | 2 | 93 | 0.1 | 0.1 | <0.1 | 38 | 1.11 | 0.041 | 15 | 19 | 0.44 | 118 | 0.069 | 8 | 1.96 | 0.019 | 0.26 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 357 | 618149 | 5583450 | 1315 | VAN13001680 | 0.2 | 16.8 | 3.4 | 83 | <0.1 | 13 | 5.9 | 253 | 1.79 | 0.8 | 0.8 | 1.1 | 67 | <0.1 | <0.1 | <0.1 | 35 | 0.61 | 0.032 | 6 | 15 | 0.35 | 84 | 0.088 | 4 | 1.85 | 0.021 | 0.16 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 358 | 618174 | 5583450 | 1304 | VAN13001680 | 0.2 | 16.5 | 5.7 | 55 | <0.1 | 10.6 | 8.7 | 645 | 2.1 | <0.5 | 1.8 | 1.6 | 80 | 0.1 | <0.1 | <0.1 | 63 | 0.47 | 0.016 | 12 | 13 | 0.33 | 96 | 0.134 | 2 | 1.16 | 0.019 | 0.18 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| GP 13 JT 359 | 618200 | 5583450 | 1288 | VAN13001680 | 0.2 | 16.2 | 4.5 | 56 | <0.1 | 10.2 | 6.5 | 352 | 2.24 | <0.5 | 1.6 | 1.7 | 103 | <0.1 | <0.1 | 0.1 | 68 | 0.49 | 0.019 | 11 | 16 | 0.32 | 99 | 0.158 | 5 | 1.33 | 0.025 | 0.23 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 JT 360 | 618226 | 5583447 | 1279 | VAN13001680 | 0.2 | 14.6 | 3.8 | 60 | <0.1 | 8.6 | 5.1 | 373 | 1.72 | 0.5 | 1.7 | 1.3 | 76 | <0.1 | <0.1 | <0.1 | 42 | 0.51 | 0.017 | 7 | 12 | 0.28 | 97 | 0.106 | 4 | 1.19 | 0.019 | 0.19 | <0.1 | 0.04 | 3.7 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| GP 13 JT 361 | 618252 | 5583451 | 1273 | VAN13001680 | 0.5 | 21.7 | 5.1 | 69 | <0.1 | 14.8 | 6.9 | 481 | 1.98 | 1 | 1.1 | 1.5 | 63 | <0.1 | 0.1 | <0.1 | 46 | 0.56 | 0.019 | 7 | 21 | 0.36 | 138 | 0.113 | 5 | 1.74 | 0.022 | 0.22 | <0.1 | 0.02 | 5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 362 | 618275 | 5583450 | 1266 | VAN13001680 | 0.5 | 13.9 | 4.3 | 45 | <0.1 | 15.8 | 9.7 | 626 | 2.05 | 1 | 1.4 | 1.1 | 85 | <0.1 | <0.1 | <0.1 | 47 | 0.58 | 0.023 | 5 | 22 | 0.41 | 119 | 0.063 | 2 | 1.9 | 0.043 | 0.11 | <0.1 | 0.05 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 363 | 618302 | 5583452 | 1268 | VAN13001680 | 0.3 | 29.5 | 5 | 71 | <0.1 | 29.3 | 14.4 | 912 | 2.75 | <0.5 | 1.5 | 1.8 | 134 | <0.1 | <0.1 | <0.1 | 60 | 0.99 | 0.021 | 20 | 28 | 0.57 | 177 | 0.031 | 3 | 2.67 | 0.03 | 0.26 | <0.1 | 0.05 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 364 | 618326 | 5583451 | 1277 | VAN13001680 | 0.1 | 24.2 | 3.8 | 59 | <0.1 | 18.3 | 8.9 | 440 | 2.48 | <0.5 | 1.3 | 2.1 | 83 | <0.1 | <0.1 | <0.1 | 46 | 0.67 | 0.024 | 18 | 21 | 0.55 | 99 | 0.065 | 3 | 2.15 | 0.025 | 0.15 | <0.1 | 0.04 | 7.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 365 | 618352 | 5583450 | 1274 | VAN13001680 | 0.3 | 22.5 | 4.9 | 61 | <0.1 | 17.7 | 8.7 | 619 | 2.16 | 0.5 | 0.9 | 1.9 | 103 | <0.1 | 0.1 | <0.1 | 48 | 0.65 | 0.018 | 13 | 20 | 0.43 | 131 | 0.07 | 4 | 1.8 | 0.02 | 0.28 | <0.1 | 0.03 | 5.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| GP 13 JT 366 | 618374 | 5583450 | 1270 | VAN13001680 | 0.5 | 25.5 | 5.8 | 70 | <0.1 | 23.7 | 11.3 | 827 | 2.43 | 0.8 | <0.5 | 2 | 98 | 0.2 | 0.1 | <0.1 | 47 | 0.78 | 0.027 | 14 | 23 | 0.53 | 140 | 0.058 | 4 | 2.53 | 0.019 | 0.27 | <0.1 | 0.06 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 367 | 618400 | 5583449 | 1263 | VAN13001680 | 0.5 | 27.2 | 5.2 | 65 | <0.1 | 23.4 | 10.5 | 593 | 2.5 | 0.9 | 0.8 | 1.8 | 116 | 0.2 | 0.2 | <0.1 | 56 | 0.88 | 0.035 | 17 | 29 | 0.48 | 168 | 0.09 | 4 | 2.3 | 0.024 | 0.24 | <0.1 | 0.04 | 7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 368 | 617279 | 5583152 | 1089 | VAN13001680 | 0.6 | 32.6 | 5 | 84 | <0.1 | 22.1 | 9.3 | 540 | 3.05 | 1.8 | 1.8 | 1.9 | 101 | <0.1 | 0.1 | <0.1 | 60 | 0.79 | 0.031 | 14 | 28 | 0.56 | 146 | 0.116 | 5 | 2.84 | 0.03 | 0.15 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 369 | 617253 | 5583152 | 1077 | VAN13001680 | 0.3 | 33.8 | 6 | 65 | <0.1 | 20.5 | 10.1 | 512 | 3.19 | 1.4 | 1.6 | 1.9 | 118 | 0.1 | 0.2 | <0.1 | 67 | 0.75 | 0.03 | 16 | 27 | 0.56 | 124 | 0.114 | 4 | 2.33 | 0.04 | 0.15 | <0.1 | 0.04 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 370 | 617228 | 5583151 | 1069 | VAN13001680 | 0.4 | 29.9 | 4.9 | 66 | <0.1 | 21.5 | 9 | 397 | 2.72 | 1.2 | 1.7 | 1.9 | 114 | 0.1 | 0.1 | <0.1 | 59 | 0.73 | 0.031 | 14 | 31 | 0.51 | 143 | 0.13 | 6 | 2.55 | 0.029 | 0.18 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 371 | 617200 | 5583152 | 1051 | VAN13001680 | 0.2 | 37.3 | 4.1 | 65 | <0.1 | 29.5 | 10 | 355 | 3.23 | 0.6 | 1.5 | 2.1 | 108 | 0.1 | <0.1 | <0.1 | 60 | 0.77 | 0.035 | 12 | 30 | 0.72 | 132 | 0.143 | 6 | 2.5 | 0.036 | 0.23 | <0.1 | 0.03 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 372 | 617174 | 5583152 | 1036 | VAN13001680 | 0.3 | 28.4 | 4.4 | 79 | <0.1 | 23.2 | 9.5 | 393 | 2.7 | 0.9 | 1.7 | 1.8 | 86 | 0.1 | <0.1 | <0.1 | 55 | 0.67 | 0.019 | 9 | 26 | 0.64 | 126 | 0.135 | 5 | 2.6 | 0.029 | 0.17 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 373 | 617149 | 5583150 | 1025 | VAN13001680 | 0.3 | 40.5 | 4.7 | 66 | 0.1 | 29.1 | 10.9 | 407 | 3.3 | 1.4 | 2.1 | 2 | 119 | 0.1 | 0.1 | <0.1 | 65 | 0.73 | 0.024 | 16 | 30 | 0.71 | 129 | 0.129 | 4 | 2.46 | 0.036 | 0.21 | <0.1 | 0.02 | 9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 374 | 617126 | 5583149 | 1016 | VAN13001680 | 0.3 | 42.3 | 4 | 62 | <0.1 | 42.5 | 13.3 | 403 | 3.71 | 1.1 | 2.5 | 1.6 | 90 | 0.1 | <0.1 | <0.1 | 67 | 0.7 | 0.032 | 14 | 35 | 0.84 | 90 | 0.14 | 3 | 2.37 | 0.038 | 0.19 | <0.1 | 0.02 | 10.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 375 | 617100 | 5583152 | 1010 | VAN13001680 | 0.3 | 37.2 | 3.7 | 58 | <0.1 | 45.5 | 13.7 | 444 | 3.62 | <0.5 | <0.5 | 1.4 | 70 | 0.1 | <0.1 | <0.1 | 63 | 0.61 | 0.026 | 11 | 36 | 0.81 | 67 | 0.197 | 4 | 2.09 | 0.035 | 0.23 | <0.1 | 0.01 | 10.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 376 | 617074 | 5583146 | 1000 | VAN13001680 | 0.4 | 32.3 | 4.7 | 76 | <0.1 | 32.4 | 11.9 | 573 | 2.85 | 0.6 | 0.9 | 1.3 | 110 | <0.1 | <0.1 | <0.1 | 63 | 0.73 | 0.035 | 11 | 37 | 0.71 | 98 | 0.181 | 5 | 2.36 | 0.038 | 0.23 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 377 | 617047 | 5583151 | 1005 | VAN13001680 | 0.3 | 37.5 | 4.4 | 62 | <0.1 | 29 | 10.2 | 339 | 3.35 | 0.8 | 5.6 | 2 | 110 | <0.1 | 0.1 | <0.1 | 65 | 0.75 | 0.031 | 12 | 33 | 0.96 | 110 | 0.213 | 4 | 2.63 | 0.031 | 0.19 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te | | |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|--|--|
| GP 13 JT 496 | 617625 | 5583750 | 1067 | VAN13001955 | 0.4 | 33.6 | 5.5 | 75 | <0.1 | 21.4 | 9.6 | 477 | 2.63 | 1.5 | 3.1 | 2.2 | 126 | <0.1 | 0.2 | <0.1 | 56 | 0.82 | 0.053 | 17 | 27 | 0.62 | 150 | 0.083 | 9 | 2.43 | 0.029 | 0.36 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 497 | 617650 | 5583750 | 1071 | VAN13001955 | 0.7 | 29.8 | 6.7 | 113 | <0.1 | 20.1 | 11.1 | 1241 | 2.37 | 1.6 | 1.2 | 2.1 | 127 | 0.2 | 0.2 | <0.1 | 57 | 0.79 | 0.028 | 16 | 25 | 0.56 | 202 | 0.106 | 4 | 2.23 | 0.031 | 0.33 | <0.1 | 0.03 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 498 | 617676 | 5583751 | 1077 | VAN13001955 | 0.6 | 31.1 | 5.4 | 69 | <0.1 | 22.5 | 11.6 | 853 | 2.35 | 0.8 | 1.3 | 1.9 | 135 | 0.1 | 0.2 | <0.1 | 56 | 0.81 | 0.037 | 17 | 23 | 0.57 | 167 | 0.065 | 5 | 2.14 | 0.028 | 0.35 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 499 | 617700 | 5583750 | 1096 | VAN13001955 | 0.7 | 30.7 | 5.8 | 77 | <0.1 | 24.4 | 12.5 | 1000 | 2.55 | 0.8 | 1.7 | 1.9 | 133 | 0.1 | 0.1 | <0.1 | 65 | 0.69 | 0.033 | 14 | 26 | 0.62 | 188 | 0.099 | 5 | 2.28 | 0.033 | 0.39 | <0.1 | 0.03 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 500 | 617725 | 5583749 | 1110 | VAN13001955 | 0.4 | 45.1 | 4.9 | 59 | <0.1 | 30.5 | 13.9 | 514 | 3.17 | 1.4 | 1.6 | 2 | 152 | 0.1 | 0.2 | <0.1 | 72 | 1 | 0.047 | 23 | 32 | 0.78 | 156 | 0.055 | 6 | 2.99 | 0.033 | 0.27 | <0.1 | 0.02 | 10.6 | <0.1 | <0.05 | 7 | 0.5 | <0.2 | | |
| GP 13 JT 501 | 617749 | 5583752 | 1122 | VAN13001955 | 0.4 | 37.1 | 5.6 | 69 | <0.1 | 25.8 | 12.3 | 592 | 2.8 | 0.9 | 5.5 | 2.1 | 128 | 0.1 | 0.2 | <0.1 | 59 | 0.79 | 0.036 | 16 | 28 | 0.67 | 150 | 0.088 | 8 | 2.67 | 0.042 | 0.28 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 7 | 0.5 | <0.2 | | |
| GP 13 JT 502 | 617775 | 5583748 | 1135 | VAN13001955 | 0.3 | 31.4 | 4.5 | 71 | <0.1 | 23.5 | 9.6 | 416 | 2.81 | 0.6 | <0.5 | 1.9 | 137 | <0.1 | 0.1 | <0.1 | 63 | 0.77 | 0.031 | 14 | 30 | 0.63 | 122 | 0.094 | 7 | 2.46 | 0.052 | 0.29 | <0.1 | 0.01 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 503 | 617799 | 5583748 | 1150 | VAN13001955 | 0.5 | 34.7 | 3.9 | 61 | <0.1 | 27.6 | 11.2 | 381 | 2.99 | 0.9 | <0.5 | 1.9 | 125 | 0.1 | 0.2 | <0.1 | 68 | 0.86 | 0.033 | 16 | 33 | 0.62 | 94 | 0.085 | 4 | 2.61 | 0.064 | 0.26 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 504 | 617824 | 5583749 | 1164 | VAN13001955 | 0.5 | 32.8 | 4.3 | 65 | <0.1 | 23.4 | 11.3 | 629 | 2.73 | 2.6 | 1.4 | 1.8 | 147 | <0.1 | 0.2 | <0.1 | 71 | 0.93 | 0.057 | 14 | 29 | 0.45 | 138 | 0.056 | 9 | 2.26 | 0.03 | 0.3 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 505 | 617852 | 5583748 | 1168 | VAN13001955 | 0.4 | 35.1 | 4.9 | 72 | <0.1 | 24.8 | 11.4 | 592 | 2.87 | 2 | 1.5 | 1.9 | 159 | 0.1 | 0.2 | <0.1 | 68 | 0.79 | 0.038 | 14 | 30 | 0.6 | 176 | 0.106 | 5 | 2.8 | 0.041 | 0.27 | <0.1 | 0.02 | 8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 506 | 617876 | 5583746 | 1184 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 JT 507 | 617902 | 5583753 | 1192 | VAN13001955 | 0.7 | 29.2 | 4.1 | 60 | <0.1 | 23.3 | 11.8 | 700 | 2.36 | 1.7 | <0.5 | 1.2 | 106 | <0.1 | <0.1 | <0.1 | 58 | 0.69 | 0.034 | 7 | 30 | 0.6 | 124 | 0.041 | 4 | 2.24 | 0.045 | 0.11 | <0.1 | <0.01 | 7.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 508 | 617926 | 5583752 | 1191 | VAN13001955 | 0.3 | 47.9 | 4.9 | 50 | <0.1 | 30.1 | 14 | 550 | 2.91 | 1.7 | 0.9 | 1.6 | 144 | <0.1 | <0.1 | <0.1 | 96 | 0.98 | 0.052 | 14 | 34 | 0.62 | 121 | 0.025 | 6 | 2.4 | 0.054 | 0.14 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 6 | 0.7 | <0.2 | | |
| GP 13 JT 509 | 617950 | 5583745 | 1200 | VAN13001955 | 0.3 | 47.6 | 4.6 | 59 | <0.1 | 40 | 15.4 | 440 | 2.9 | 0.8 | 1 | 1.8 | 120 | <0.1 | <0.1 | <0.1 | 79 | 0.83 | 0.041 | 19 | 40 | 0.76 | 99 | 0.039 | 6 | 2.44 | 0.06 | 0.17 | <0.1 | <0.01 | 11.3 | <0.1 | <0.05 | 6 | 0.6 | <0.2 | | |
| GP 13 JT 510 | 617976 | 5583746 | 1213 | VAN13001955 | 0.3 | 40.1 | 4.5 | 60 | <0.1 | 41.1 | 15.3 | 444 | 3.27 | 0.7 | 0.7 | 2.1 | 102 | 0.1 | 0.1 | <0.1 | 66 | 0.71 | 0.036 | 17 | 41 | 0.89 | 105 | 0.126 | 12 | 2.48 | 0.046 | 0.22 | <0.1 | 0.01 | 11.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 511 | 618000 | 5583747 | 1225 | VAN13001955 | 0.4 | 42 | 3.8 | 64 | <0.1 | 55.5 | 19.3 | 571 | 3.69 | 0.7 | <0.5 | 1.8 | 71 | 0.1 | <0.1 | <0.1 | 66 | 0.63 | 0.046 | 17 | 43 | 1.21 | 68 | 0.216 | 6 | 2.29 | 0.047 | 0.16 | <0.1 | <0.01 | 12.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 512 | 618026 | 5583747 | 1239 | VAN13001955 | 0.4 | 45.7 | 3.8 | 64 | <0.1 | 58.1 | 18.8 | 587 | 3.78 | <0.5 | 0.7 | 1.9 | 77 | 0.1 | <0.1 | <0.1 | 71 | 0.66 | 0.046 | 16 | 39 | 1.39 | 61 | 0.218 | 2 | 2.21 | 0.046 | 0.22 | <0.1 | 0.01 | 12.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 513 | 618050 | 5583750 | 1249 | VAN13001955 | 0.5 | 27.9 | 4.6 | 114 | <0.1 | 22.9 | 9.1 | 701 | 2.15 | 1.2 | <0.5 | 1.4 | 67 | <0.1 | <0.1 | <0.1 | 44 | 0.72 | 0.036 | 8 | 22 | 0.51 | 147 | 0.098 | 6 | 2.33 | 0.033 | 0.19 | <0.1 | 0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 514 | 618077 | 5583746 | 1269 | VAN13001955 | 0.4 | 32.6 | 6.2 | 72 | <0.1 | 33.3 | 17.4 | 933 | 2.87 | 1.2 | <0.5 | 2.3 | 100 | 0.1 | 0.1 | <0.1 | 64 | 0.71 | 0.031 | 14 | 37 | 0.66 | 174 | 0.118 | 3 | 2.55 | 0.047 | 0.28 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 515 | 618100 | 5583748 | 1283 | VAN13001955 | 0.4 | 41.1 | 4.9 | 61 | <0.1 | 36.6 | 14.5 | 491 | 3.19 | 1.2 | <0.5 | 2.9 | 107 | <0.1 | 0.1 | <0.1 | 74 | 0.95 | 0.037 | 20 | 55 | 0.99 | 159 | 0.13 | 3 | 3.15 | 0.053 | 0.16 | <0.1 | 0.02 | 10.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 516 | 618127 | 5583747 | 1290 | VAN13001955 | 0.2 | 36.4 | 5.5 | 57 | <0.1 | 31.8 | 14.2 | 456 | 3.12 | 1.5 | <0.5 | 2.8 | 109 | <0.1 | 0.1 | <0.1 | 63 | 0.76 | 0.038 | 16 | 60 | 1.02 | 175 | 0.076 | 2 | 3.27 | 0.039 | 0.17 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | |
| GP 13 JT 517 | 618150 | 5583747 | 1285 | VAN13001955 | 0.4 | 40.3 | 4.7 | 51 | <0.1 | 36.2 | 13 | 302 | 3.3 | 1.6 | <0.5 | 2.8 | 105 | 0.1 | 0.1 | <0.1 | 76 | 0.72 | 0.029 | 19 | 50 | 0.85 | 129 | 0.123 | 1 | 3.06 | 0.061 | 0.11 | <0.1 | 0.03 | 10.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 518 | 618174 | 5583751 | 1274 | VAN13001955 | 0.4 | 32.6 | 4.6 | 76 | <0.1 | 27.4 | 10.2 | 545 | 2.51 | 1.3 | <0.5 | 2.2 | 103 | <0.1 | 0.1 | <0.1 | 52 | 0.67 | 0.031 | 14 | 33 | 0.58 | 146 | 0.108 | 3 | 2.33 | 0.039 | 0.25 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 519 | 618209 | 5583744 | 1265 | VAN13001955 | 0.5 | 28.7 | 4.8 | 74 | <0.1 | 23 | 11.1 | 699 | 2.64 | 1.5 | <0.5 | 1.5 | 101 | <0.1 | 0.1 | <0.1 | 57 | 0.61 | 0.034 | 8 | 30 | 0.69 | 157 | 0.113 | 5 | 2.59 | 0.029 | 0.28 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 520 | 618226 | 5583747 | 1262 | VAN13001955 | 0.3 | 32.3 | 5.1 | 41 | <0.1 | 21.8 | 10.8 | 295 | 2.52 | 1.7 | <0.5 | 1.1 | 55 | <0.1 | <0.1 | <0.1 | 50 | 0.53 | 0.029 | 4 | 27 | 0.68 | 84 | 0.087 | 5 | 2.28 | 0.036 | 0.21 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 521 | 618250 | 5583749 | 1256 | VAN13001955 | 0.3 | 23.7 | 4.1 | 54 | <0.1 | 17.9 | 8 | 335 | 2.11 | 1 | 0.5 | 1.3 | 59 | <0.1 | <0.1 | <0.1 | 52 | 0.5 | 0.028 | 6 | 30 | 0.49 | 110 | 0.105 | 7 | 1.87 | 0.038 | 0.29 | <0.1 | <0.01 | 6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 522 | 618275 | 5583746 | 1246 | VAN13001955 | 0.4 | 24.8 | 4.1 | 78 | <0.1 | 19.4 | 7.3 | 346 | 2.07 | 1.7 | <0.5 | 0.9 | 48 | <0.1 | <0.1 | <0.1 | 48 | 0.43 | 0.035 | 3 | 24 | 0.47 | 107 | 0.104 | 6 | 1.76 | 0.031 | 0.23 | <0.1 | <0.01 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 523 | 618301 | 5583745 | 1239 | VAN13001955 | 0.3 | 24 | 4.3 | 70 | <0.1 | 20.8 | 7.3 | 303 | 2.08 | 1.2 | 1.2 | 1 | 49 | <0.1 | <0.1 | <0.1 | 49 | 0.45 | 0.053 | 4 | 24 | 0.53 | 97 | 0.105 | 5 | 1.77 | 0.036 | 0.19 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 524 | 618324 | 5583749 | 1230 | VAN13001955 | 0.6 | 25 | 3.5 | 98 | <0.1 | 19.2 | 6.9 | 730 | 2 | 1.1 | <0.5 | 1.2 | 66 | 0.1 | <0.1 | <0.1 | 42 | 0.55 | 0.045 | 5 | 23 | 0.49 | 129 | 0.094 | 5 | 1.81 | 0.029 | 0.24 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 JT 525 | 618352 | 5583745 | 1215 | VAN13001955 | 0.4 | 40.5 | 3.8 | 59 | 0.1 | 35.2 | 11.8 | 294 | 2.93 | 1.9 | 0.9 | 2.3 | 88 | 0.1 | 0.2 | <0.1 | 68 | 0.7 | 0.071 | 10 | 40 | 1.04 | 85 | 0.103 | 3 | 2.17 | 0.029 | 0.24 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 526 | 618376 | 5583749 | 1211 | VAN13001955 | 0.6 | 28.3 | 4.5 | 98 | 0.1 | 22.4 | 9.6 | 643 | 2.34 | 2.1 | <0.5 | 1.4 | 66 | 0.1 | 0.1 | <0.1 | 55 | 0.53 | 0.067 | 6 | 28 | 0.57 | 141 | 0.115 | 3 | 1.93 | 0.028 | 0.24 | <0.1 | 0.03 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 527 | 618400 | 5583747 | 1207 | VAN13001955 | 0.7 | 23.8 | 4.4 | 88 | <0.1 | 19 | 8.3 | 579 | 2.24 | 1.5 | <0.5 | 1 | 61 | <0.1 | 0.1 | <0.1 | 57 | 0.46 | 0.05 | 4 | 26 | 0.51 | 139 | 0.132 | 2 | 2.01 | 0.029 | 0.17 | <0.1 | 0.01 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 528 | 617600 | 5583849 | 1065 | VAN13001955 | 0.4 | 29 | 6.7 | 59 | <0.1 | 15.3 | 7.7 | 484 | 2.2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|
| GP 13 JT 571 | 617548 | 5584049 | 1094 | VAN13001955 | 0.4 | 29.7 | 7.7 | 68 | <0.1 | 16 | 10.4 | 884 | 2.15 | 4.1 | 1.3 | 2.1 | 187 | <0.1 | 0.2 | <0.1 | 58 | 0.66 | 0.024 | 18 | 20 | 0.42 | 214 | 0.101 | 8 | 1.64 | 0.026 | 0.33 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 572 | 617524 | 5584051 | 1092 | VAN13001955 | 0.4 | 29.3 | 6.7 | 62 | <0.1 | 16.1 | 8.7 | 661 | 2.15 | 2.1 | 1 | 1.6 | 155 | 0.1 | 0.2 | 0.3 | 55 | 0.54 | 0.018 | 12 | 21 | 0.42 | 252 | 0.126 | 5 | 1.61 | 0.019 | 0.32 | <0.1 | 0.02 | 4.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 573 | 617503 | 5584051 | 1085 | VAN13001955 | 0.4 | 31.8 | 6.8 | 77 | <0.1 | 18.2 | 10.6 | 886 | 2.58 | 2.4 | 2.4 | 2.2 | 215 | 0.2 | 0.2 | 0.1 | 55 | 0.81 | 0.026 | 16 | 24 | 0.48 | 197 | 0.138 | 9 | 1.84 | 0.027 | 0.35 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 574 | 617473 | 5584051 | 1072 | VAN13001955 | 0.3 | 37.4 | 6 | 106 | <0.1 | 20.3 | 11.9 | 669 | 2.74 | 2 | <0.5 | 1.8 | 129 | <0.1 | 0.1 | <0.1 | 52 | 0.74 | 0.034 | 15 | 25 | 0.55 | 213 | 0.122 | 10 | 2.56 | 0.026 | 0.37 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 575 | 617451 | 5584051 | 1062 | VAN13001955 | 0.3 | 37.3 | 5.9 | 179 | <0.1 | 23.6 | 12.3 | 968 | 2.78 | 2.4 | <0.5 | 1.4 | 157 | 0.2 | 0.1 | <0.1 | 56 | 1.12 | 0.058 | 10 | 26 | 0.59 | 191 | 0.127 | 13 | 3.01 | 0.031 | 0.4 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 576 | 617403 | 5584050 | 1038 | VAN13001955 | 0.4 | 35.8 | 6.6 | 99 | <0.1 | 21.7 | 10.4 | 728 | 2.63 | 2.8 | 2.1 | 1.7 | 146 | <0.1 | 0.2 | <0.1 | 64 | 0.7 | 0.031 | 11 | 27 | 0.53 | 159 | 0.142 | 7 | 2.25 | 0.029 | 0.34 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 577 | 617402 | 5584049 | 1039 | VAN13001955 | 0.4 | 33.3 | 5.3 | 122 | <0.1 | 24.1 | 11 | 640 | 2.87 | 2.5 | <0.5 | 1.6 | 128 | 0.1 | 0.2 | <0.1 | 64 | 0.73 | 0.03 | 12 | 30 | 0.58 | 165 | 0.152 | 9 | 2.73 | 0.034 | 0.36 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 578 | 617626 | 5584048 | 1095 | VAN13001955 | 0.6 | 19.4 | 7 | 51 | <0.1 | 10.8 | 6.4 | 488 | 1.75 | 3.6 | <0.5 | 2.5 | 127 | <0.1 | 0.3 | 0.1 | 42 | 0.49 | 0.019 | 15 | 12 | 0.28 | 149 | 0.096 | 4 | 1.28 | 0.028 | 0.28 | <0.1 | 0.02 | 3.6 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| GP 13 JT 579 | 617653 | 5584049 | 1097 | VAN13001955 | 0.4 | 25.3 | 5.8 | 86 | <0.1 | 18.7 | 10 | 862 | 2.24 | 2 | <0.5 | 1.4 | 92 | 0.2 | 0.2 | <0.1 | 56 | 0.57 | 0.025 | 9 | 25 | 0.51 | 156 | 0.141 | 5 | 1.95 | 0.026 | 0.36 | <0.1 | 0.03 | 5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 580 | 617676 | 5584051 | 1100 | VAN13001955 | 0.5 | 17.7 | 4.5 | 61 | <0.1 | 13.6 | 6.8 | 428 | 2 | 2 | 1.6 | 1 | 75 | <0.1 | 0.1 | <0.1 | 48 | 0.57 | 0.032 | 8 | 22 | 0.45 | 123 | 0.115 | 6 | 1.79 | 0.025 | 0.36 | <0.1 | 0.02 | 4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 581 | 617700 | 5584053 | 1101 | VAN13001955 | 0.3 | 17.6 | 5.5 | 70 | <0.1 | 12 | 6.4 | 487 | 2.03 | 1.9 | 18.2 | 1.8 | 114 | <0.1 | 0.2 | <0.1 | 48 | 0.54 | 0.027 | 19 | 16 | 0.43 | 132 | 0.104 | 3 | 1.75 | 0.026 | 0.33 | <0.1 | 0.03 | 4.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 582 | 617726 | 5584049 | 1114 | VAN13001955 | 0.5 | 22.7 | 4.8 | 137 | <0.1 | 20.4 | 8.4 | 1491 | 2.12 | 1.8 | 6.4 | 1.3 | 82 | 0.2 | 0.2 | <0.1 | 49 | 0.56 | 0.027 | 8 | 24 | 0.45 | 181 | 0.126 | 6 | 2.09 | 0.025 | 0.33 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 583 | 617750 | 5584055 | 1113 | VAN13001955 | 0.9 | 19.9 | 4.3 | 123 | <0.1 | 19.7 | 6.8 | 767 | 2.02 | 1.8 | <0.5 | 1.1 | 78 | 0.3 | 0.1 | <0.1 | 48 | 0.54 | 0.035 | 6 | 23 | 0.45 | 144 | 0.129 | 5 | 2.24 | 0.024 | 0.18 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 584 | 617775 | 5584053 | 1120 | VAN13001955 | 0.8 | 17.1 | 6.3 | 118 | <0.1 | 19.3 | 8.7 | 1492 | 2.18 | 1.8 | 4.6 | 1.4 | 82 | 0.2 | 0.3 | <0.1 | 49 | 0.65 | 0.031 | 11 | 22 | 0.44 | 183 | 0.125 | 7 | 2.42 | 0.026 | 0.25 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 585 | 617801 | 5584048 | 1134 | VAN13001955 | 0.7 | 26.1 | 7 | 86 | <0.1 | 20.5 | 9.3 | 932 | 2.51 | 2.9 | 2.3 | 2.1 | 123 | <0.1 | 0.4 | <0.1 | 69 | 0.71 | 0.031 | 16 | 28 | 0.49 | 174 | 0.172 | 4 | 2.23 | 0.032 | 0.23 | <0.1 | 0.03 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 586 | 617826 | 5584051 | 1136 | VAN13001955 | 0.5 | 44.6 | 5.4 | 68 | <0.1 | 30.3 | 14.4 | 531 | 3.03 | 2.7 | 36.1 | 2.3 | 247 | 0.2 | 0.2 | <0.1 | 76 | 0.8 | 0.048 | 19 | 31 | 0.73 | 316 | 0.12 | 6 | 3.5 | 0.042 | 0.45 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 587 | 617852 | 5584050 | 1143 | VAN13001955 | 0.3 | 22.7 | 4.7 | 71 | <0.1 | 18.8 | 9.2 | 494 | 2.83 | 1.5 | <0.5 | 2.7 | 126 | <0.1 | <0.1 | <0.1 | 64 | 0.66 | 0.033 | 26 | 16 | 0.72 | 168 | 0.123 | 4 | 2.02 | 0.056 | 0.41 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 588 | 617873 | 5584050 | 1154 | VAN13001955 | 0.5 | 34.3 | 5.4 | 80 | <0.1 | 25.8 | 12.1 | 672 | 2.91 | 2.9 | 26.3 | 2 | 93 | <0.1 | 0.2 | <0.1 | 70 | 0.71 | 0.025 | 14 | 35 | 0.69 | 132 | 0.159 | 5 | 2.91 | 0.033 | 0.32 | <0.1 | 0.01 | 7.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 589 | 617901 | 5584050 | 1159 | VAN13001955 | 0.6 | 30.3 | 4.7 | 88 | <0.1 | 20.9 | 10.5 | 895 | 2.48 | 1.9 | 1 | 1.7 | 146 | 0.1 | 0.2 | <0.1 | 62 | 0.74 | 0.037 | 15 | 26 | 0.59 | 201 | 0.125 | 6 | 2.48 | 0.039 | 0.38 | <0.1 | 0.01 | 6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 590 | 617925 | 5584050 | 1169 | VAN13001955 | 0.6 | 29.2 | 3.9 | 67 | <0.1 | 20.7 | 11.6 | 774 | 2.51 | 2.1 | <0.5 | 1.5 | 228 | 0.1 | <0.1 | 0.4 | 65 | 0.76 | 0.031 | 12 | 26 | 0.59 | 269 | 0.118 | 4 | 2.44 | 0.058 | 0.27 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 591 | 617953 | 5584050 | 1178 | VAN13001956 | 0.4 | 38.2 | 5.1 | 67 | <0.1 | 20.3 | 11.8 | 559 | 2.72 | 1.2 | 0.8 | 1.9 | 267 | <0.1 | 0.2 | 0.2 | 65 | 0.75 | 0.031 | 18 | 25 | 0.51 | 338 | 0.074 | 4 | 2.62 | 0.039 | 0.29 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 592 | 617976 | 5584051 | 1186 | VAN13001956 | 0.6 | 26.9 | 5.3 | 88 | <0.1 | 19 | 9.8 | 843 | 2.31 | 1.7 | 1.6 | 1.5 | 152 | 0.1 | 0.2 | 0.2 | 53 | 0.83 | 0.05 | 11 | 23 | 0.49 | 214 | 0.114 | 9 | 2.29 | 0.03 | 0.31 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 593 | 617999 | 5584051 | 1202 | VAN13001956 | 0.5 | 38.7 | 4.5 | 59 | <0.1 | 25.3 | 10.1 | 422 | 3.14 | 1.6 | <0.5 | 1.9 | 127 | <0.1 | 0.2 | <0.1 | 71 | 0.96 | 0.037 | 14 | 33 | 0.57 | 138 | 0.105 | 6 | 3.02 | 0.045 | 0.16 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 594 | 618027 | 5584051 | 1216 | VAN13001956 | 0.3 | 24.7 | 4.8 | 83 | <0.1 | 17.2 | 9.3 | 882 | 2.3 | 1.2 | 1.2 | 1.5 | 127 | <0.1 | 0.1 | <0.1 | 61 | 0.76 | 0.028 | 9 | 22 | 0.43 | 127 | 0.126 | 6 | 2.01 | 0.047 | 0.26 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 595 | 618051 | 5584049 | 1225 | VAN13001956 | 0.3 | 30.9 | 4.2 | 64 | <0.1 | 20.4 | 9.2 | 446 | 2.72 | 0.6 | <0.5 | 1.6 | 102 | 0.1 | 0.1 | <0.1 | 67 | 0.74 | 0.031 | 11 | 21 | 0.58 | 99 | 0.183 | 3 | 2.04 | 0.056 | 0.19 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 596 | 618073 | 5584051 | 1239 | VAN13001956 | 0.3 | 52.4 | 5.3 | 57 | <0.1 | 34.5 | 17.8 | 614 | 3.36 | 0.7 | <0.5 | 1.4 | 94 | <0.1 | <0.1 | 0.2 | 64 | 0.72 | 0.037 | 8 | 22 | 1.57 | 79 | 0.141 | 2 | 2.22 | 0.065 | 0.24 | <0.1 | 0.02 | 9.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GP 13 JT 597 | 618101 | 5584049 | 1237 | VAN13001956 | 0.5 | 28.6 | 4 | 80 | <0.1 | 19.4 | 10.1 | 543 | 2.51 | <0.5 | 0.6 | 1.5 | 63 | 0.1 | 0.1 | 0.1 | 65 | 0.51 | 0.018 | 10 | 20 | 0.59 | 72 | 0.176 | 3 | 1.82 | 0.042 | 0.19 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 598 | 618126 | 5584049 | 1231 | VAN13001956 | 0.5 | 19.5 | 4.1 | 79 | <0.1 | 15.4 | 7.3 | 578 | 2.01 | 0.6 | 6.5 | 1.2 | 80 | <0.1 | 0.1 | <0.1 | 53 | 0.47 | 0.021 | 5 | 22 | 0.45 | 112 | 0.143 | 4 | 1.69 | 0.035 | 0.18 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GP 13 JT 599 | 618151 | 5584049 | 1220 | VAN13001956 | 0.3 | 32.9 | 4.5 | 66 | <0.1 | 30.4 | 13 | 462 | 2.81 | 1.2 | 0.8 | 1.4 | 104 | <0.1 | 0.1 | <0.1 | 61 | 0.64 | 0.029 | 11 | 31 | 0.82 | 139 | 0.127 | 4 | 2.88 | 0.046 | 0.23 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 600 | 618177 | 5584052 | 1227 | VAN13001956 | 0.4 | 32.9 | 4.2 | 97 | <0.1 | 28.4 | 12.8 | 916 | 2.8 | 1.2 | 0.5 | 1.3 | 122 | <0.1 | 0.1 | <0.1 | 63 | 0.69 | 0.038 | 9 | 36 | 0.74 | 165 | 0.126 | 4 | 2.73 | 0.043 | 0.24 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GP 13 JT 601 | 618202 | 5584052 | 1240 | VAN13001956 | 0.4 | 47.1 | 4.3 | 60 | <0.1 | 46.4 | 15.1 | 417 | 4.01 | 1.4 | 1.7 | 2 | 124 | 0.1 | 0.2 | <0.1 | 98 | 0.76 | 0.055 | 20 | 50 | 1.14 | 112 | 0.177 | 3 | 3.33 | 0.045 | 0.24 | <0.1 | 0.02 | 12 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| GP 13 JT 602 | 618226 | 5584052 | 1242 | VAN13001956 | 0.4 | 36 | 4.7 | 54 | <0.1 | 29.8 | 13 | 525 | 2.85 | 1.2 | <0.5 | 1.6 | 86 | <0.1 | 0.1 | <0.1 | 72 | 0.67 | 0.025 | 11 | 34 | 0.75 | 138 | 0.15 | 3 | 2.69 | 0.05 | 0.11 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| GP 13 JT 603 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sample Number | 83Z10E | 83Z10N | Elevation | Certificate | ppm Mo | ppm Cu | ppm Pb | ppm Zn | ppm Ag | ppm Ni | ppm Co | ppm Mn | % Fe | ppm As | ppb Au | ppm Th | ppm Sr | ppm Cd | ppm Sb | ppm Bi | ppm V | % Ca | % P | ppm La | ppm Cr | % Mg | ppm Ba | % Ti | ppm B | % Al | % Na | % K | ppm W | ppm Hg | ppm Sc | ppm Tl | % S | ppm Ga | ppm Se | ppm Te | | |
|---------------|--------|---------|-----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--------|--------|------|--------|-------|-------|------|-------|------|-------|--------|--------|--------|-------|--------|--------|--------|--|--|
| GP 13 JT 646 | 618326 | 5584099 | 1237 | VAN13001956 | 0.4 | 29.6 | 5.6 | 59 | <0.1 | 18.6 | 8.2 | 275 | 2.43 | 2.7 | <0.5 | 2 | 145 | <0.1 | 0.2 | <0.1 | 49 | 0.7 | 0.027 | 16 | 27 | 0.46 | 176 | 0.129 | 3 | 2.18 | 0.035 | 0.18 | <0.1 | 0.05 | 6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 647 | 618353 | 5584100 | 1237 | VAN13001956 | 0.6 | 23.2 | 5.5 | 93 | <0.1 | 14.2 | 6.2 | 650 | 1.82 | 1.4 | 1.2 | 1.5 | 121 | 0.1 | 0.2 | <0.1 | 49 | 0.6 | 0.038 | 11 | 20 | 0.38 | 236 | 0.107 | 4 | 1.69 | 0.024 | 0.28 | <0.1 | 0.03 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 648 | 618375 | 5584088 | 1221 | VAN13001956 | 0.7 | 24.8 | 4.8 | 117 | <0.1 | 14.6 | 8.1 | 1147 | 1.87 | 1.7 | <0.5 | 1 | 78 | 0.2 | 0.1 | <0.1 | 46 | 0.47 | 0.156 | 5 | 22 | 0.35 | 230 | 0.114 | 2 | 1.69 | 0.029 | 0.26 | <0.1 | 0.02 | 3.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 649 | 618405 | 5584099 | 1226 | VAN13001956 | 0.5 | 22.6 | 6 | 95 | <0.1 | 21.6 | 7.9 | 718 | 2.42 | 1.9 | <0.5 | 1.8 | 69 | <0.1 | 0.2 | <0.1 | 48 | 0.69 | 0.043 | 10 | 29 | 0.43 | 168 | 0.102 | 3 | 2.47 | 0.027 | 0.13 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 650 | 618404 | 5584295 | 1218 | VAN13001956 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GP 13 JT 651 | 618378 | 5584300 | 1206 | VAN13001956 | 0.3 | 8.6 | 7.8 | 42 | 0.1 | 3.2 | 1.8 | 269 | 1.39 | 1.5 | 0.7 | 2.9 | 372 | <0.1 | <0.1 | <0.1 | 20 | 1.19 | 0.042 | 29 | 3 | 0.3 | 1056 | 0.006 | 2 | 1.79 | 0.057 | 0.13 | <0.1 | 0.11 | 1.9 | <0.1 | <0.05 | 3 | <0.5 | <0.2 | | |
| GP 13 JT 652 | 618352 | 5584300 | 1207 | VAN13001956 | 0.4 | 13.6 | 5.5 | 53 | <0.1 | 6.6 | 3.5 | 387 | 1.49 | 2.1 | 0.9 | 1.5 | 122 | <0.1 | 0.1 | <0.1 | 31 | 0.8 | 0.042 | 18 | 9 | 0.3 | 212 | 0.011 | 2 | 1.51 | 0.019 | 0.18 | <0.1 | 0.12 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 JT 653 | 618324 | 5584299 | 1206 | VAN13001956 | 0.4 | 20.8 | 6 | 54 | 0.2 | 12.7 | 6.9 | 269 | 2.05 | 3.7 | 5.5 | 1.6 | 61 | <0.1 | 0.4 | 0.4 | 54 | 0.37 | 0.018 | 9 | 17 | 0.38 | 96 | 0.101 | 2 | 1.39 | 0.024 | 0.17 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | | |
| GP 13 JT 654 | 618299 | 5584300 | 1207 | VAN13001956 | 0.5 | 24.4 | 5.1 | 70 | <0.1 | 16.7 | 8.5 | 568 | 2.29 | 2.8 | 1.6 | 1.6 | 64 | 0.1 | 0.3 | 0.2 | 55 | 0.46 | 0.023 | 8 | 22 | 0.44 | 100 | 0.122 | 2 | 1.83 | 0.023 | 0.16 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 655 | 618274 | 5584300 | 1207 | VAN13001956 | 0.4 | 28.5 | 4.9 | 78 | 0.2 | 17.3 | 7.8 | 505 | 2.06 | 3.2 | 2.5 | 1.4 | 74 | 0.2 | 0.3 | <0.1 | 53 | 0.76 | 0.046 | 9 | 20 | 0.43 | 107 | 0.11 | 7 | 1.8 | 0.022 | 0.26 | <0.1 | 0.03 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 656 | 618248 | 5584303 | 1201 | VAN13001956 | 0.4 | 28.2 | 4.3 | 65 | <0.1 | 24.1 | 11.1 | 269 | 3.03 | 2.5 | 1.2 | 1.6 | 96 | <0.1 | 0.1 | <0.1 | 75 | 0.53 | 0.039 | 9 | 34 | 0.82 | 101 | 0.169 | 3 | 2.16 | 0.036 | 0.19 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 657 | 618226 | 5584302 | 1202 | VAN13001956 | 0.4 | 29.4 | 3.9 | 79 | <0.1 | 26.1 | 9.5 | 364 | 3.15 | 1.2 | 1.1 | 1.5 | 72 | <0.1 | <0.1 | <0.1 | 67 | 0.61 | 0.044 | 10 | 34 | 0.77 | 101 | 0.176 | 5 | 2.42 | 0.034 | 0.1 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 658 | 618201 | 5584299 | 1208 | VAN13001956 | 0.4 | 41.3 | 4.4 | 72 | <0.1 | 35.2 | 16 | 659 | 3.93 | 1.1 | 0.5 | 2.1 | 76 | <0.1 | <0.1 | <0.1 | 77 | 0.67 | 0.046 | 17 | 44 | 1.15 | 101 | 0.17 | 5 | 2.71 | 0.033 | 0.13 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 659 | 618172 | 5584296 | 1201 | VAN13001956 | 0.4 | 40.1 | 4.6 | 70 | <0.1 | 36 | 15.9 | 495 | 3.97 | 1.7 | 1.1 | 2.3 | 90 | 0.1 | 0.1 | <0.1 | 83 | 0.71 | 0.065 | 15 | 43 | 1.22 | 113 | 0.197 | 5 | 2.8 | 0.03 | 0.12 | <0.1 | 0.02 | 10.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 660 | 618150 | 5584299 | 1209 | VAN13001956 | 0.4 | 42.8 | 4.9 | 82 | 0.1 | 31 | 13.3 | 682 | 3.02 | 1.9 | 0.6 | 2.2 | 104 | 0.1 | <0.1 | 0.2 | 69 | 0.98 | 0.052 | 17 | 29 | 0.73 | 173 | 0.087 | 10 | 3.04 | 0.028 | 0.11 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 661 | 618123 | 5584298 | 1188 | VAN13001956 | 0.2 | 40.8 | 4.1 | 67 | 0.1 | 30.5 | 13.6 | 354 | 3.58 | 2.3 | 0.9 | 1.9 | 524 | 0.1 | 0.2 | <0.1 | 81 | 1.18 | 0.051 | 22 | 32 | 1.15 | 323 | 0.139 | 2 | 3.82 | 0.044 | 0.31 | <0.1 | 0.03 | 10.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | |
| GP 13 JT 662 | 618100 | 5584299 | 1186 | VAN13001956 | 0.4 | 34.8 | 4.5 | 88 | <0.1 | 21.1 | 8.5 | 258 | 2.4 | 2.2 | 0.9 | 1.6 | 136 | <0.1 | 0.1 | <0.1 | 57 | 0.54 | 0.032 | 6 | 27 | 0.62 | 223 | 0.116 | 7 | 2.26 | 0.059 | 0.15 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 663 | 618075 | 5584299 | 1185 | VAN13001956 | 0.5 | 28.2 | 4.2 | 88 | <0.1 | 21.1 | 9 | 610 | 2.52 | 1.6 | 2.8 | 1.4 | 151 | <0.1 | 0.4 | 0.2 | 70 | 0.57 | 0.027 | 10 | 29 | 0.6 | 169 | 0.146 | 5 | 2.32 | 0.032 | 0.23 | <0.1 | 0.01 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 664 | 618050 | 5584299 | 1183 | VAN13001956 | 0.6 | 24.2 | 5.7 | 71 | 0.1 | 19.7 | 10.2 | 567 | 2.39 | 2.3 | 1.5 | 1.4 | 110 | 0.1 | 0.2 | 0.2 | 65 | 0.64 | 0.029 | 9 | 29 | 0.52 | 153 | 0.126 | 3 | 2.45 | 0.033 | 0.12 | <0.1 | 0.02 | 6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 665 | 618025 | 5584299 | 1183 | VAN13001956 | 0.4 | 29.1 | 5.8 | 88 | <0.1 | 26.6 | 11.1 | 666 | 3.21 | 1.8 | 1.5 | 2.6 | 179 | 0.1 | 0.3 | 0.1 | 69 | 0.77 | 0.04 | 21 | 31 | 0.63 | 253 | 0.119 | 4 | 3.04 | 0.03 | 0.14 | <0.1 | <0.01 | 8.5 | <0.1 | <0.05 | 9 | <0.5 | <0.2 | | |
| GP 13 JT 666 | 617997 | 5584305 | 1176 | VAN13001956 | 0.6 | 19.9 | 4.7 | 104 | <0.1 | 17.5 | 8 | 1247 | 2.01 | 2.1 | <0.5 | 1.5 | 99 | 0.3 | 0.2 | 0.1 | 47 | 0.76 | 0.053 | 9 | 19 | 0.47 | 208 | 0.101 | 8 | 1.95 | 0.022 | 0.34 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 667 | 617974 | 5584305 | 1173 | VAN13001956 | 0.6 | 27.2 | 6.2 | 87 | 0.1 | 20.3 | 8.5 | 1060 | 2.4 | 3.4 | 7.7 | 2.2 | 87 | 0.1 | 0.6 | <0.1 | 61 | 0.63 | 0.037 | 20 | 27 | 0.49 | 160 | 0.134 | 6 | 2.37 | 0.029 | 0.27 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 668 | 617952 | 5584300 | 1166 | VAN13001956 | 0.6 | 30.2 | 6.3 | 114 | 0.3 | 19.1 | 7.8 | 960 | 2.38 | 3.3 | 5.9 | 2.5 | 83 | 0.2 | 0.5 | <0.1 | 55 | 0.74 | 0.046 | 25 | 24 | 0.48 | 157 | 0.118 | 7 | 2.82 | 0.032 | 0.2 | <0.1 | 0.04 | 6.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 | | |
| GP 13 JT 669 | 617925 | 5584300 | 1154 | VAN13001956 | 0.5 | 28.6 | 5.3 | 97 | 0.1 | 18.8 | 8.3 | 638 | 2.37 | 2.8 | 0.8 | 2 | 82 | 0.2 | 0.4 | <0.1 | 57 | 0.7 | 0.036 | 17 | 26 | 0.49 | 121 | 0.132 | 4 | 2.58 | 0.034 | 0.19 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | | |
| GP 13 JT 670 | 617901 | 5584302 | 1154 | VAN13001956 | 0.6 | 21.6 | 5.1 | 93 | <0.1 | 18.5 | 7.8 | 814 | 2.38 | 2.4 | 7.9 | 1.7 | 73 | 0.1 | 0.2 | <0.1 | 62 | 0.57 | 0.034 | 12 | 28 | 0.49 | 123 | 0.147 | 5 | 2.09 | 0.033 | 0.16 | <0.1 | 0.03 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 671 | 617872 | 5584302 | 1139 | VAN13001956 | 0.4 | 19.7 | 5.8 | 77 | <0.1 | 17.8 | 7.8 | 383 | 2.4 | 1.8 | <0.5 | 1.5 | 74 | <0.1 | 0.2 | <0.1 | 59 | 0.58 | 0.029 | 11 | 24 | 0.47 | 109 | 0.152 | 5 | 2.35 | 0.031 | 0.24 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 672 | 617849 | 5584297 | 1135 | VAN13001956 | 0.4 | 27.6 | 7.3 | 107 | <0.1 | 17.7 | 7.7 | 1124 | 2.34 | 2.8 | 6.6 | 1.8 | 105 | 0.2 | 0.2 | <0.1 | 57 | 0.79 | 0.046 | 15 | 25 | 0.5 | 146 | 0.136 | 9 | 2.37 | 0.029 | 0.32 | <0.1 | 0.04 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 673 | 617827 | 5584300 | 1131 | VAN13001956 | 0.4 | 19 | 6.5 | 94 | <0.1 | 11.5 | 5.5 | 693 | 1.96 | 1.6 | <0.5 | 2.2 | 84 | 0.2 | 0.2 | <0.1 | 43 | 0.8 | 0.045 | 18 | 16 | 0.38 | 117 | 0.091 | 9 | 1.95 | 0.036 | 0.23 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 674 | 617795 | 5584304 | 1127 | VAN13001956 | 0.4 | 24.7 | 5.1 | 53 | <0.1 | 17.4 | 9.8 | 395 | 2.81 | 2.6 | <0.5 | 1.8 | 179 | <0.1 | 0.5 | 0.4 | 76 | 0.72 | 0.031 | 12 | 22 | 0.61 | 180 | 0.193 | 9 | 2.39 | 0.041 | 0.25 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | | |
| GP 13 JT 675 | 617775 | 5584299 | 1118 | VAN13001956 | 2.7 | 54.7 | 2.4 | 60 | <0.1 | 17 | 6.3 | 240 | 0.84 | 27.2 | 2.6 | 0.5 | 142 | 0.4 | 1.2 | 0.5 | 102 | 7.92 | 0.179 | 4 | 11 | 0.34 | 64 | 0.042 | 83 | 1.2 | 0.113 | 0.04 | <0.1 | 0.02 | 2.9 | <0.1 | 0.41 | 3 | 2.7 | <0.2 | | |
| GP 13 JT 676 | 617749 | 5584299 | 1114 | VAN13001956 | 0.2 | 54 | 4.9 | 52 | <0.1 | 16.3 | 7.7 | 196 | 1.15 | 7.1 | 3.9 | 1.5 | 114 | 0.1 | 0.5 | 0.1 | 54 | 2.46 | 0.105 | 9 | 18 | 0.63 | 98 | 0.119 | 17 | 2.19 | 0.082 | 0.08 | <0.1 | 0.01 | 6 | <0.1 | 0.1 | 5 | 0.8 | <0.2 | | |
| GP 13 JT 677 | 617725 | 5584296 | 1118 | VAN13001956 | 0.2 | 16.2 | 7.1 | 41 | <0.1 | 9.8 | 5.5 | 371 | 1.39 | 2.7 | <0.5 | 2.1 | 297 | <0.1 | 0.1 | 0.1 | 38 | 1.07 | 0.02 | 11 | 13 | 0.45 | 671 | 0.088 | 5 | 3.01 | 0.035 | 0.66 | <0.1 | 0.01 | 3.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | | |
| GP 13 JT 678 | 617700 | 5584298 | 1114 | VAN13001956 | 0.5 | 35.2 | 6.7 | 85 | <0.1 | 21.1 | 9.9 | 870 | 2.42 | 2.9 | <0.5 | 1.9 | 118 | 0.2 | 0.3 | <0.1 | 64 | 0.93 | 0.034 | 12 | | | | | | | | | | | | | | | | | | |



Mammoth Geological Ltd.

GP PROPERTY
2013 Sample Locations

Scale: 0 50 100 200 meters



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: May 15, 2013
Report Date: May 24, 2013
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN13001611.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 204

SAMPLE DISPOSAL

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

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

Invoice To: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| Dry at 60C | 203 | Dry at 60C | | | VAN |
| SS80 | 200 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| 1DX2 | 203 | 1:1:1 Aqua Regia digestion 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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 2 of 8

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | |
|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | | | |
| | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 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 | 1 |
| JT 251 | Soil | | | 0.4 | 50.8 | 4.3 | 53 | <0.1 | 40.9 | 12.4 | 392 | 3.38 | 1.6 | 1.1 | 2.2 | 101 | 0.1 | 0.1 | 0.1 | 82 | 0.78 | 0.029 | 16 | |
| JT 252 | Soil | | | 0.4 | 33.0 | 4.4 | 70 | <0.1 | 43.8 | 15.9 | 691 | 3.20 | 1.0 | <0.5 | 1.7 | 76 | 0.1 | 0.1 | <0.1 | 66 | 0.74 | 0.026 | 13 | |
| JT 253 | Soil | | | 0.2 | 53.2 | 5.8 | 56 | <0.1 | 35.2 | 13.9 | 447 | 3.44 | 1.2 | <0.5 | 1.6 | 154 | <0.1 | <0.1 | <0.1 | 98 | 0.98 | 0.037 | 15 | |
| JT 254 | Soil | | | 0.3 | 41.3 | 5.5 | 64 | <0.1 | 30.2 | 13.1 | 530 | 3.09 | 0.8 | <0.5 | 1.5 | 168 | <0.1 | <0.1 | <0.1 | 92 | 0.98 | 0.025 | 15 | |
| JT 255 | Soil | | | 0.4 | 35.6 | 4.4 | 74 | <0.1 | 22.4 | 9.2 | 358 | 3.09 | 1.4 | <0.5 | 2.0 | 103 | <0.1 | 0.1 | <0.1 | 75 | 0.85 | 0.028 | 15 | |
| JT 256 | Soil | | | 0.5 | 34.4 | 5.8 | 90 | <0.1 | 24.4 | 12.5 | 887 | 2.93 | 1.4 | 0.9 | 2.0 | 107 | 0.1 | 0.2 | <0.1 | 71 | 0.74 | 0.033 | 14 | |
| JT 257 | Soil | | | 0.3 | 42.9 | 4.8 | 71 | <0.1 | 23.6 | 11.9 | 473 | 3.19 | 1.3 | 0.7 | 2.1 | 124 | 0.2 | 0.1 | <0.1 | 81 | 0.79 | 0.061 | 21 | |
| JT 258 | Soil | | | 0.3 | 28.7 | 5.3 | 86 | <0.1 | 19.1 | 8.4 | 340 | 2.40 | 1.5 | <0.5 | 1.8 | 73 | 0.1 | <0.1 | <0.1 | 51 | 0.54 | 0.034 | 7 | |
| JT 259 | Soil | | | 0.2 | 39.2 | 3.6 | 70 | <0.1 | 18.8 | 9.3 | 338 | 3.01 | 0.6 | 1.7 | 1.7 | 143 | <0.1 | <0.1 | <0.1 | 87 | 0.70 | 0.028 | 15 | |
| JT 260 | Soil | | | 0.3 | 47.9 | 4.7 | 63 | <0.1 | 24.7 | 12.9 | 441 | 3.35 | 1.1 | <0.5 | 2.0 | 143 | 0.1 | 0.1 | <0.1 | 77 | 0.78 | 0.036 | 17 | |
| JT 261 | Soil | | | 0.5 | 25.0 | 4.6 | 87 | <0.1 | 20.4 | 8.6 | 643 | 2.36 | 1.3 | 0.8 | 1.5 | 92 | 0.2 | 0.1 | <0.1 | 59 | 0.66 | 0.033 | 10 | |
| JT 262 | Soil | | | 0.2 | 36.1 | 4.1 | 84 | <0.1 | 23.6 | 11.0 | 438 | 3.03 | 1.0 | 0.7 | 1.8 | 104 | <0.1 | <0.1 | <0.1 | 69 | 0.81 | 0.065 | 16 | |
| JT 263 | Soil | | | 0.4 | 26.1 | 4.5 | 82 | <0.1 | 19.6 | 9.0 | 612 | 2.46 | 1.3 | <0.5 | 1.4 | 81 | 0.2 | 0.1 | <0.1 | 59 | 0.63 | 0.022 | 7 | |
| JT 264 | Soil | | | 0.3 | 45.7 | 5.0 | 75 | 0.1 | 25.3 | 14.3 | 508 | 3.18 | 1.1 | <0.5 | 1.9 | 128 | 0.1 | 0.1 | <0.1 | 80 | 0.86 | 0.024 | 15 | |
| JT 265 | Soil | | | 0.7 | 27.2 | 5.2 | 90 | <0.1 | 22.2 | 11.2 | 698 | 2.60 | 2.1 | 1.0 | 1.5 | 77 | <0.1 | 0.2 | <0.1 | 63 | 0.60 | 0.029 | 8 | |
| JT 266 | Soil | | | 0.4 | 31.3 | 5.3 | 84 | <0.1 | 20.8 | 10.2 | 666 | 2.57 | 2.1 | <0.5 | 1.7 | 110 | <0.1 | 0.2 | <0.1 | 66 | 0.75 | 0.035 | 13 | |
| JT 267 | Soil | | | 0.3 | 29.3 | 4.3 | 76 | <0.1 | 17.7 | 9.6 | 619 | 2.52 | 1.2 | <0.5 | 1.7 | 144 | <0.1 | <0.1 | <0.1 | 56 | 0.82 | 0.021 | 9 | |
| JT 268 | Soil | | | 0.2 | 41.5 | 5.1 | 48 | <0.1 | 26.5 | 12.2 | 386 | 3.14 | 2.0 | 1.1 | 2.0 | 165 | 0.1 | 0.2 | <0.1 | 72 | 0.79 | 0.040 | 20 | |
| JT 269 | Soil | | | 0.8 | 30.9 | 4.6 | 141 | <0.1 | 23.5 | 9.1 | 675 | 2.33 | 1.9 | 1.2 | 1.3 | 66 | 0.1 | <0.1 | <0.1 | 52 | 0.50 | 0.044 | 5 | |
| JT 270 | Soil | | | 0.5 | 39.0 | 5.3 | 64 | <0.1 | 25.5 | 12.2 | 537 | 3.05 | 3.2 | 1.5 | 2.0 | 117 | 0.1 | 0.2 | <0.1 | 64 | 0.80 | 0.040 | 19 | |
| JT 271 | Soil | | | 0.4 | 30.0 | 4.9 | 69 | <0.1 | 20.0 | 10.0 | 552 | 2.76 | 3.1 | 0.6 | 2.1 | 128 | 0.2 | 0.2 | <0.1 | 62 | 0.75 | 0.026 | 21 | |
| JT 272 | Soil | | | 0.6 | 23.3 | 4.9 | 74 | <0.1 | 19.2 | 8.2 | 614 | 2.43 | 2.6 | <0.5 | 1.6 | 97 | <0.1 | 0.2 | <0.1 | 69 | 0.60 | 0.023 | 9 | |
| JT 273 | Soil | | | 0.5 | 39.1 | 5.1 | 93 | <0.1 | 26.0 | 10.9 | 584 | 3.04 | 3.5 | 0.9 | 1.9 | 90 | <0.1 | 0.2 | <0.1 | 67 | 0.73 | 0.037 | 13 | |
| JT 274 | Soil | | | 0.4 | 40.9 | 4.6 | 62 | <0.1 | 20.6 | 9.2 | 320 | 3.17 | 3.8 | 2.3 | 2.8 | 119 | <0.1 | 0.2 | <0.1 | 70 | 0.85 | 0.043 | 21 | |
| JT 275 | Soil | | | 0.4 | 35.6 | 5.2 | 83 | <0.1 | 25.4 | 11.9 | 723 | 2.95 | 2.2 | <0.5 | 2.0 | 101 | 0.1 | 0.2 | <0.1 | 68 | 0.73 | 0.018 | 14 | |
| JT 276 | Soil | | | 0.4 | 32.6 | 4.4 | 77 | <0.1 | 23.6 | 11.0 | 631 | 2.72 | 1.0 | <0.5 | 1.7 | 84 | 0.1 | 0.1 | 0.2 | 59 | 0.63 | 0.025 | 10 | |
| JT 277 | Soil | | | 0.5 | 38.5 | 5.0 | 79 | <0.1 | 30.8 | 12.3 | 592 | 3.13 | 1.6 | 0.8 | 1.9 | 96 | <0.1 | 0.2 | 0.1 | 72 | 0.80 | 0.028 | 13 | |
| JT 278 | Soil | | | 0.2 | 39.9 | 4.2 | 55 | <0.1 | 38.3 | 13.2 | 391 | 3.30 | 0.7 | 0.6 | 2.6 | 89 | <0.1 | <0.1 | <0.1 | 78 | 0.86 | 0.034 | 19 | |
| JT 279 | Soil | | | 0.3 | 42.3 | 3.9 | 67 | <0.1 | 30.7 | 12.7 | 498 | 3.10 | 0.9 | <0.5 | 2.3 | 96 | <0.1 | <0.1 | <0.1 | 74 | 0.76 | 0.029 | 14 | |
| JT 280 | Soil | | | 0.2 | 31.2 | 3.9 | 84 | <0.1 | 23.4 | 9.7 | 339 | 2.79 | 1.1 | 0.6 | 2.0 | 93 | 0.1 | <0.1 | <0.1 | 58 | 0.71 | 0.028 | 10 | |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 2 of 8

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 251 | Soil | 45 | 0.98 | 105 | 0.162 | 3 | 2.52 | 0.042 | 0.17 | <0.1 | 0.02 | 10.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 252 | Soil | 40 | 0.62 | 95 | 0.103 | 9 | 2.52 | 0.044 | 0.31 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 253 | Soil | 40 | 1.34 | 119 | 0.236 | 5 | 3.05 | 0.076 | 0.20 | <0.1 | 0.02 | 10.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 254 | Soil | 39 | 0.97 | 140 | 0.264 | 4 | 2.83 | 0.079 | 0.25 | <0.1 | <0.01 | 8.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 255 | Soil | 31 | 0.58 | 118 | 0.228 | 5 | 2.75 | 0.044 | 0.20 | <0.1 | 0.01 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 256 | Soil | 29 | 0.55 | 146 | 0.176 | 5 | 2.70 | 0.039 | 0.22 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 257 | Soil | 26 | 0.66 | 108 | 0.182 | 7 | 2.78 | 0.050 | 0.21 | <0.1 | 0.04 | 8.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 258 | Soil | 23 | 0.44 | 139 | 0.170 | 5 | 3.05 | 0.032 | 0.16 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 259 | Soil | 23 | 0.57 | 103 | 0.233 | 4 | 2.30 | 0.056 | 0.20 | <0.1 | <0.01 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 260 | Soil | 32 | 0.76 | 114 | 0.185 | 5 | 3.13 | 0.040 | 0.25 | <0.1 | 0.02 | 10.2 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 261 | Soil | 27 | 0.44 | 132 | 0.150 | 3 | 2.30 | 0.032 | 0.21 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 262 | Soil | 26 | 0.55 | 109 | 0.160 | 4 | 2.78 | 0.045 | 0.18 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 263 | Soil | 27 | 0.47 | 133 | 0.153 | 7 | 2.38 | 0.037 | 0.25 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 264 | Soil | 31 | 0.88 | 135 | 0.135 | 2 | 3.00 | 0.073 | 0.13 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 265 | Soil | 31 | 0.47 | 148 | 0.150 | 4 | 2.52 | 0.033 | 0.20 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 266 | Soil | 30 | 0.51 | 164 | 0.138 | 5 | 2.63 | 0.044 | 0.22 | <0.1 | 0.03 | 6.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 267 | Soil | 26 | 0.55 | 157 | 0.119 | 6 | 2.59 | 0.082 | 0.24 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 268 | Soil | 30 | 1.04 | 147 | 0.098 | 4 | 3.14 | 0.054 | 0.19 | <0.1 | 0.02 | 10.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 269 | Soil | 27 | 0.51 | 187 | 0.136 | 3 | 2.79 | 0.028 | 0.12 | <0.1 | <0.01 | 5.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 270 | Soil | 35 | 0.62 | 160 | 0.130 | 4 | 2.95 | 0.034 | 0.22 | <0.1 | 0.03 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 271 | Soil | 27 | 0.49 | 164 | 0.117 | 3 | 2.67 | 0.036 | 0.25 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 272 | Soil | 29 | 0.44 | 153 | 0.162 | 3 | 2.13 | 0.033 | 0.21 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 273 | Soil | 36 | 0.60 | 165 | 0.143 | 5 | 3.16 | 0.033 | 0.23 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 274 | Soil | 31 | 0.59 | 148 | 0.094 | 4 | 2.95 | 0.030 | 0.16 | <0.1 | 0.02 | 10.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 275 | Soil | 36 | 0.55 | 148 | 0.133 | 4 | 2.84 | 0.034 | 0.19 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 276 | Soil | 28 | 0.62 | 138 | 0.144 | 6 | 2.83 | 0.034 | 0.28 | <0.1 | <0.01 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 277 | Soil | 41 | 0.70 | 155 | 0.167 | 4 | 3.28 | 0.041 | 0.15 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 278 | Soil | 50 | 1.13 | 79 | 0.161 | 4 | 2.43 | 0.037 | 0.16 | <0.1 | 0.01 | 12.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 279 | Soil | 34 | 0.78 | 108 | 0.178 | 5 | 2.56 | 0.047 | 0.19 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 280 | Soil | 28 | 0.55 | 107 | 0.173 | 5 | 2.68 | 0.043 | 0.19 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 3 of 8

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | | 1 |
| JT 281 | Soil | 0.4 | 32.9 | 4.7 | 112 | <0.1 | 22.9 | 11.2 | 716 | 2.86 | 1.4 | 0.7 | 1.9 | 108 | 0.2 | 0.1 | <0.1 | 66 | 0.83 | 0.033 | 12 |
| JT 282 | Soil | 0.3 | 35.2 | 4.0 | 75 | <0.1 | 37.9 | 15.5 | 485 | 3.25 | 1.0 | <0.5 | 1.7 | 98 | 0.1 | 0.1 | <0.1 | 74 | 0.79 | 0.029 | 15 |
| JT 283 | Soil | 0.2 | 47.8 | 4.2 | 67 | <0.1 | 31.2 | 13.1 | 373 | 3.46 | 1.0 | 0.9 | 1.9 | 132 | <0.1 | 0.1 | 0.1 | 88 | 0.91 | 0.037 | 15 |
| JT 284 | Soil | 0.4 | 27.1 | 4.6 | 84 | <0.1 | 19.8 | 9.4 | 490 | 2.53 | 1.0 | 1.0 | 1.4 | 83 | <0.1 | 0.1 | 0.1 | 60 | 0.65 | 0.029 | 8 |
| JT 285 | Soil | 0.2 | 54.7 | 4.6 | 50 | <0.1 | 36.7 | 13.8 | 412 | 3.37 | 1.2 | 1.9 | 2.0 | 121 | 0.1 | 0.1 | <0.1 | 93 | 0.92 | 0.061 | 15 |
| JT 286 | Soil | 0.2 | 39.9 | 5.5 | 62 | <0.1 | 26.7 | 11.2 | 367 | 3.08 | 1.3 | <0.5 | 1.5 | 160 | <0.1 | <0.1 | <0.1 | 88 | 0.82 | 0.034 | 14 |
| JT 287 | Soil | 0.3 | 33.2 | 5.6 | 82 | <0.1 | 23.7 | 12.6 | 768 | 2.81 | 1.0 | <0.5 | 1.6 | 142 | 0.1 | <0.1 | 0.1 | 86 | 0.88 | 0.028 | 12 |
| JT 288 | Soil | 0.3 | 41.5 | 4.9 | 74 | <0.1 | 30.9 | 14.8 | 662 | 3.53 | 1.4 | 0.9 | 1.9 | 123 | <0.1 | <0.1 | <0.1 | 91 | 0.95 | 0.036 | 13 |
| JT 289 | Soil | 0.3 | 38.0 | 4.9 | 65 | <0.1 | 28.1 | 13.1 | 495 | 3.39 | 1.0 | <0.5 | 2.0 | 110 | 0.1 | 0.1 | <0.1 | 78 | 0.98 | 0.040 | 14 |
| JT 290 | Soil | 0.3 | 36.8 | 4.7 | 72 | <0.1 | 26.2 | 11.8 | 406 | 3.13 | 1.2 | <0.5 | 1.9 | 101 | 0.1 | 0.1 | 0.1 | 71 | 0.84 | 0.039 | 11 |
| JT 291 | Soil | 0.4 | 37.4 | 4.9 | 70 | <0.1 | 24.0 | 12.5 | 478 | 2.94 | 1.4 | <0.5 | 1.9 | 103 | <0.1 | 0.1 | 0.1 | 69 | 0.74 | 0.036 | 16 |
| JT 292 | Soil | 0.3 | 30.4 | 4.9 | 81 | 0.1 | 20.2 | 12.2 | 791 | 3.01 | 1.2 | <0.5 | 1.8 | 95 | 0.1 | <0.1 | <0.1 | 72 | 0.75 | 0.036 | 17 |
| JT 293 | Soil | 0.5 | 36.4 | 5.3 | 76 | <0.1 | 27.4 | 12.8 | 508 | 3.01 | 2.6 | <0.5 | 1.9 | 90 | <0.1 | 0.2 | <0.1 | 69 | 0.72 | 0.032 | 12 |
| JT 294 | Soil | 0.3 | 51.3 | 4.6 | 60 | <0.1 | 30.2 | 12.0 | 450 | 3.09 | 2.4 | 0.8 | 2.2 | 126 | 0.1 | 0.2 | <0.1 | 74 | 0.88 | 0.039 | 18 |
| JT 295 | Soil | 0.4 | 40.0 | 5.5 | 69 | 0.1 | 29.7 | 14.0 | 412 | 2.99 | 2.6 | <0.5 | 2.0 | 92 | 0.1 | 0.2 | 0.1 | 66 | 0.77 | 0.030 | 12 |
| JT 296 | Soil | 0.5 | 36.0 | 5.6 | 66 | 0.1 | 25.6 | 12.1 | 347 | 2.97 | 3.3 | <0.5 | 2.0 | 105 | 0.1 | 0.2 | 0.2 | 74 | 0.80 | 0.038 | 15 |
| JT 297 | Soil | 0.5 | 39.0 | 5.7 | 55 | 0.1 | 27.4 | 12.9 | 344 | 3.04 | 3.0 | <0.5 | 2.3 | 107 | 0.1 | 0.3 | 0.1 | 72 | 0.86 | 0.027 | 15 |
| JT 298 | Soil | 0.5 | 30.9 | 5.6 | 66 | <0.1 | 24.8 | 12.5 | 688 | 2.88 | 2.7 | <0.5 | 1.8 | 85 | <0.1 | 0.2 | 0.1 | 66 | 0.69 | 0.031 | 11 |
| JT 299 | Soil | 0.4 | 27.8 | 4.7 | 96 | <0.1 | 20.3 | 10.3 | 553 | 2.53 | 1.8 | 0.5 | 1.4 | 83 | 0.1 | 0.1 | <0.1 | 56 | 0.66 | 0.023 | 7 |
| JT 300 | Soil | 0.4 | 38.3 | 5.4 | 64 | <0.1 | 26.4 | 11.6 | 442 | 2.85 | 2.4 | 0.6 | 2.0 | 105 | <0.1 | 0.2 | 0.1 | 67 | 0.70 | 0.034 | 13 |
| S-SBS-29 | Rock Pulp | 6.8 | 44.9 | 5.1 | 52 | 0.5 | 31.8 | 13.6 | 493 | 3.01 | 6.8 | 668.9 | 1.4 | 46 | 0.3 | 1.1 | 0.1 | 66 | 0.89 | 0.056 | 7 |
| JT 301 | Soil | 0.6 | 28.2 | 5.3 | 73 | <0.1 | 23.3 | 11.3 | 825 | 2.51 | 2.4 | <0.5 | 1.7 | 102 | 0.2 | 0.1 | 0.1 | 66 | 0.69 | 0.026 | 10 |
| JT 302 | Soil | 0.4 | 24.6 | 4.3 | 107 | <0.1 | 19.5 | 8.7 | 413 | 2.47 | 2.9 | <0.5 | 1.3 | 75 | <0.1 | 0.1 | <0.1 | 59 | 0.66 | 0.026 | 8 |
| JT 303 | Soil | 0.4 | 18.5 | 4.1 | 96 | <0.1 | 14.7 | 6.6 | 321 | 1.96 | 2.1 | <0.5 | 1.1 | 77 | <0.1 | <0.1 | <0.1 | 49 | 0.57 | 0.020 | 6 |
| JT 304 | Soil | 0.4 | 46.4 | 4.7 | 59 | <0.1 | 32.7 | 13.0 | 354 | 3.32 | 2.6 | <0.5 | 1.9 | 141 | <0.1 | 0.2 | <0.1 | 75 | 0.79 | 0.035 | 18 |
| JT 305 | Soil | 0.4 | 34.4 | 5.4 | 76 | <0.1 | 23.6 | 13.1 | 403 | 2.92 | 1.9 | <0.5 | 1.9 | 112 | <0.1 | 0.2 | <0.1 | 70 | 0.63 | 0.030 | 14 |
| JT 306 | Soil | 0.4 | 38.0 | 5.3 | 62 | 0.1 | 27.4 | 13.5 | 418 | 3.03 | 1.7 | 0.5 | 2.2 | 135 | <0.1 | 0.1 | <0.1 | 65 | 0.75 | 0.039 | 19 |
| JT 307 | Soil | 0.5 | 28.3 | 5.4 | 85 | <0.1 | 22.2 | 9.7 | 606 | 2.61 | 2.2 | <0.5 | 1.8 | 97 | 0.1 | 0.2 | <0.1 | 58 | 0.73 | 0.040 | 10 |
| JT 308 | Soil | 0.3 | 31.5 | 4.0 | 54 | <0.1 | 19.8 | 9.4 | 322 | 2.60 | 0.8 | <0.5 | 1.7 | 77 | <0.1 | <0.1 | <0.1 | 63 | 0.64 | 0.038 | 10 |
| JT 309 | Soil | 0.3 | 31.9 | 4.4 | 52 | <0.1 | 23.7 | 10.4 | 355 | 2.83 | 1.1 | <0.5 | 2.0 | 93 | <0.1 | <0.1 | <0.1 | 65 | 0.72 | 0.027 | 14 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 3 of 8

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 281 | Soil | 28 | 0.60 | 136 | 0.192 | 6 | 2.70 | 0.038 | 0.28 | <0.1 | <0.01 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 282 | Soil | 34 | 0.89 | 82 | 0.225 | 4 | 2.36 | 0.050 | 0.22 | <0.1 | <0.01 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 283 | Soil | 34 | 0.90 | 92 | 0.228 | 4 | 2.73 | 0.045 | 0.24 | <0.1 | 0.01 | 10.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 284 | Soil | 24 | 0.52 | 100 | 0.180 | 5 | 2.40 | 0.038 | 0.27 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 285 | Soil | 34 | 1.12 | 74 | 0.191 | 4 | 2.70 | 0.062 | 0.22 | <0.1 | 0.02 | 10.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 286 | Soil | 36 | 0.84 | 125 | 0.242 | 7 | 3.01 | 0.062 | 0.28 | <0.1 | <0.01 | 8.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 287 | Soil | 32 | 0.70 | 141 | 0.265 | 3 | 2.67 | 0.065 | 0.23 | <0.1 | 0.01 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 288 | Soil | 34 | 0.88 | 101 | 0.335 | <1 | 2.74 | 0.094 | 0.18 | <0.1 | <0.01 | 10.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 289 | Soil | 29 | 0.92 | 80 | 0.341 | 4 | 2.31 | 0.057 | 0.30 | <0.1 | 0.01 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 290 | Soil | 32 | 0.74 | 106 | 0.226 | 4 | 2.95 | 0.044 | 0.26 | <0.1 | <0.01 | 8.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 291 | Soil | 31 | 0.71 | 110 | 0.119 | 3 | 2.91 | 0.028 | 0.21 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 292 | Soil | 24 | 0.67 | 119 | 0.166 | 3 | 2.71 | 0.035 | 0.20 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 293 | Soil | 35 | 0.63 | 140 | 0.163 | 3 | 3.02 | 0.032 | 0.21 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 294 | Soil | 29 | 0.86 | 118 | 0.124 | 2 | 2.69 | 0.048 | 0.17 | <0.1 | 0.01 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 295 | Soil | 35 | 0.71 | 167 | 0.151 | 3 | 3.16 | 0.033 | 0.19 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 296 | Soil | 36 | 0.64 | 161 | 0.150 | 2 | 3.29 | 0.035 | 0.13 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 297 | Soil | 35 | 0.69 | 168 | 0.147 | 2 | 3.19 | 0.037 | 0.13 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 298 | Soil | 32 | 0.55 | 172 | 0.154 | 3 | 3.21 | 0.033 | 0.14 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 299 | Soil | 26 | 0.57 | 121 | 0.129 | 4 | 2.63 | 0.031 | 0.26 | <0.1 | 0.01 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 300 | Soil | 33 | 0.67 | 148 | 0.146 | 3 | 2.90 | 0.032 | 0.25 | <0.1 | <0.01 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| S-SBS-29 | Rock Pulp | 36 | 0.73 | 150 | 0.156 | 2 | 1.56 | 0.125 | 0.15 | 25.1 | 0.07 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 301 | Soil | 31 | 0.53 | 187 | 0.144 | 2 | 2.50 | 0.029 | 0.22 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 302 | Soil | 27 | 0.50 | 148 | 0.117 | 2 | 2.41 | 0.031 | 0.18 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 303 | Soil | 22 | 0.38 | 155 | 0.119 | 1 | 2.07 | 0.032 | 0.11 | <0.1 | 0.01 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 304 | Soil | 41 | 0.84 | 155 | 0.113 | <1 | 3.04 | 0.040 | 0.15 | <0.1 | 0.03 | 9.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 305 | Soil | 36 | 0.63 | 168 | 0.145 | 1 | 2.63 | 0.031 | 0.21 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 306 | Soil | 32 | 0.80 | 171 | 0.129 | 3 | 3.06 | 0.034 | 0.18 | <0.1 | 0.03 | 9.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 307 | Soil | 31 | 0.49 | 169 | 0.142 | 3 | 2.64 | 0.032 | 0.14 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 308 | Soil | 25 | 0.62 | 89 | 0.171 | 12 | 2.09 | 0.045 | 0.43 | <0.1 | 0.01 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 309 | Soil | 28 | 0.68 | 100 | 0.182 | 8 | 2.33 | 0.053 | 0.33 | <0.1 | 0.01 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 4 of 8

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 310 | Soil | 0.3 | 46.9 | 3.9 | 64 | <0.1 | 29.7 | 12.1 | 387 | 3.43 | 1.3 | <0.5 | 2.1 | 133 | 0.1 | 0.1 | <0.1 | 80 | 0.88 | 0.044 | 17 |
| JT 311 | Soil | 0.2 | 40.8 | 3.9 | 69 | <0.1 | 25.2 | 11.5 | 443 | 3.06 | 0.9 | <0.5 | 1.8 | 98 | 0.1 | 0.1 | <0.1 | 73 | 0.79 | 0.033 | 14 |
| JT 312 | Soil | 0.2 | 46.6 | 3.9 | 66 | <0.1 | 29.5 | 13.2 | 462 | 3.46 | 0.8 | <0.5 | 1.9 | 110 | <0.1 | <0.1 | <0.1 | 86 | 0.75 | 0.024 | 13 |
| JT 313 | Soil | 0.2 | 54.5 | 3.7 | 58 | <0.1 | 34.3 | 15.3 | 424 | 3.74 | 0.8 | <0.5 | 1.9 | 83 | 0.1 | <0.1 | <0.1 | 106 | 0.79 | 0.025 | 13 |
| JT 314 | Soil | 0.2 | 38.2 | 3.9 | 71 | <0.1 | 24.1 | 11.1 | 438 | 2.83 | 0.6 | <0.5 | 2.0 | 73 | 0.1 | <0.1 | <0.1 | 67 | 0.67 | 0.040 | 12 |
| JT 315 | Soil | 0.3 | 27.6 | 4.7 | 55 | <0.1 | 18.6 | 9.3 | 383 | 2.39 | 1.2 | <0.5 | 1.7 | 87 | <0.1 | 0.1 | <0.1 | 62 | 0.65 | 0.029 | 9 |
| JT 316 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 317 | Soil | 0.3 | 38.6 | 4.6 | 80 | <0.1 | 27.4 | 11.6 | 587 | 2.82 | 1.4 | <0.5 | 2.1 | 82 | 0.2 | 0.1 | <0.1 | 64 | 0.79 | 0.033 | 12 |
| JT 318 | Soil | 0.3 | 41.6 | 4.8 | 72 | <0.1 | 27.4 | 13.3 | 694 | 2.89 | 1.6 | <0.5 | 2.1 | 100 | 0.1 | 0.1 | <0.1 | 67 | 0.85 | 0.043 | 14 |
| JT 319 | Soil | 0.4 | 38.9 | 5.5 | 60 | <0.1 | 30.2 | 11.2 | 595 | 2.79 | 3.5 | <0.5 | 2.1 | 108 | 0.2 | 0.2 | <0.1 | 63 | 0.85 | 0.038 | 19 |
| JT 320 | Soil | 0.4 | 39.1 | 6.3 | 70 | 0.1 | 24.7 | 11.9 | 698 | 2.77 | 4.3 | <0.5 | 2.2 | 101 | 0.1 | 0.2 | 0.1 | 63 | 0.92 | 0.039 | 17 |
| JT 321 | Soil | 0.5 | 40.3 | 5.0 | 74 | <0.1 | 26.7 | 10.8 | 497 | 2.85 | 2.7 | <0.5 | 2.1 | 87 | 0.1 | 0.2 | 0.2 | 67 | 0.84 | 0.037 | 13 |
| JT 322 | Soil | 0.5 | 34.9 | 5.7 | 56 | <0.1 | 26.5 | 11.0 | 378 | 2.78 | 2.3 | <0.5 | 2.0 | 81 | <0.1 | 0.2 | 0.1 | 64 | 0.68 | 0.022 | 15 |
| JT 323 | Soil | 0.3 | 38.0 | 3.4 | 64 | <0.1 | 44.6 | 13.8 | 610 | 2.89 | 0.6 | <0.5 | 1.4 | 64 | <0.1 | <0.1 | 0.2 | 65 | 0.69 | 0.036 | 12 |
| JT 324 | Soil | 0.2 | 37.5 | 3.9 | 63 | <0.1 | 44.0 | 14.3 | 419 | 3.41 | 1.0 | 0.6 | 1.5 | 103 | <0.1 | <0.1 | <0.1 | 69 | 0.89 | 0.045 | 17 |
| JT 325 | Soil | 0.2 | 34.2 | 4.2 | 67 | <0.1 | 32.6 | 12.7 | 572 | 2.94 | 0.9 | 1.2 | 1.6 | 102 | <0.1 | <0.1 | <0.1 | 66 | 0.89 | 0.036 | 12 |
| JT 326 | Soil | 0.5 | 37.5 | 5.3 | 71 | <0.1 | 33.2 | 13.3 | 616 | 3.20 | 2.5 | <0.5 | 1.8 | 92 | <0.1 | <0.1 | <0.1 | 71 | 0.75 | 0.044 | 11 |
| JT 327 | Soil | 0.4 | 39.8 | 5.1 | 57 | <0.1 | 31.7 | 12.6 | 401 | 3.27 | 1.9 | <0.5 | 2.2 | 103 | <0.1 | <0.1 | <0.1 | 74 | 0.82 | 0.032 | 14 |
| JT 328 | Soil | 0.4 | 38.5 | 4.7 | 58 | <0.1 | 30.5 | 12.9 | 423 | 3.38 | 2.5 | 0.6 | 2.0 | 100 | <0.1 | <0.1 | <0.1 | 78 | 0.85 | 0.029 | 13 |
| JT 329 | Soil | 0.4 | 59.0 | 4.4 | 69 | <0.1 | 39.1 | 17.3 | 380 | 3.65 | 5.5 | <0.5 | 2.0 | 82 | <0.1 | 0.2 | 0.1 | 110 | 0.96 | 0.036 | 15 |
| JT 330 | Soil | 0.3 | 45.5 | 4.3 | 58 | <0.1 | 30.9 | 13.7 | 420 | 3.42 | 3.0 | <0.5 | 2.0 | 101 | <0.1 | <0.1 | <0.1 | 98 | 0.94 | 0.039 | 17 |
| JT 331 | Soil | 0.4 | 37.0 | 4.7 | 69 | <0.1 | 25.5 | 12.3 | 634 | 3.33 | 1.4 | <0.5 | 1.9 | 107 | <0.1 | <0.1 | <0.1 | 90 | 0.82 | 0.032 | 14 |
| JT 332 | Soil | <0.1 | 44.5 | 3.1 | 56 | <0.1 | 37.5 | 18.2 | 584 | 3.78 | <0.5 | 1.2 | 1.6 | 814 | <0.1 | <0.1 | <0.1 | 106 | 2.08 | 0.183 | 14 |
| JT 333 | Soil | 0.2 | 45.9 | 4.5 | 59 | <0.1 | 29.3 | 12.3 | 389 | 3.62 | 1.2 | <0.5 | 2.0 | 199 | <0.1 | <0.1 | <0.1 | 87 | 1.06 | 0.038 | 17 |
| JT 334 | Soil | 0.2 | 39.9 | 4.4 | 83 | <0.1 | 26.6 | 11.3 | 439 | 3.22 | 1.4 | <0.5 | 1.9 | 138 | <0.1 | <0.1 | <0.1 | 68 | 1.00 | 0.057 | 15 |
| JT 335 | Soil | 0.4 | 44.6 | 6.6 | 78 | <0.1 | 28.0 | 13.2 | 844 | 3.20 | 3.1 | 1.8 | 1.7 | 116 | 0.3 | 0.3 | 0.3 | 72 | 1.07 | 0.045 | 15 |
| JT 336 | Soil | 0.3 | 49.4 | 5.0 | 73 | <0.1 | 29.9 | 14.2 | 741 | 3.41 | 2.5 | 0.6 | 1.7 | 143 | <0.1 | 0.1 | 0.2 | 83 | 1.25 | 0.048 | 12 |
| JT 337 | Soil | 0.4 | 48.8 | 5.4 | 81 | <0.1 | 27.9 | 13.4 | 808 | 3.38 | 3.0 | <0.5 | 1.8 | 128 | <0.1 | <0.1 | <0.1 | 74 | 1.10 | 0.049 | 15 |
| JT 338 | Soil | <0.1 | 61.1 | 5.3 | 65 | 0.2 | 30.7 | 14.6 | 813 | 3.37 | 5.1 | 2.1 | 1.1 | 47 | <0.1 | <0.1 | <0.1 | 62 | 1.31 | 0.126 | 33 |
| JT 339 | Soil | <0.1 | 39.9 | 4.0 | 64 | <0.1 | 24.9 | 11.8 | 383 | 3.33 | <0.5 | <0.5 | 1.9 | 100 | <0.1 | <0.1 | <0.1 | 78 | 0.79 | 0.035 | 13 |

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.



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Mammoth Geological Ltd.**

2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Project: None Given

Report Date: May 24, 2013

Page: 4 of 8

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 310 | Soil | 36 | 0.83 | 112 | 0.149 | 3 | 3.05 | 0.054 | 0.30 | <0.1 | 0.02 | 10.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 311 | Soil | 29 | 0.75 | 87 | 0.207 | 1 | 2.40 | 0.064 | 0.28 | <0.1 | <0.01 | 9.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 312 | Soil | 34 | 0.91 | 82 | 0.204 | 2 | 2.56 | 0.072 | 0.25 | <0.1 | <0.01 | 10.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 313 | Soil | 33 | 1.27 | 55 | 0.219 | <1 | 2.31 | 0.080 | 0.15 | <0.1 | <0.01 | 11.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 314 | Soil | 27 | 0.74 | 91 | 0.168 | 14 | 2.16 | 0.052 | 0.46 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 315 | Soil | 24 | 0.58 | 114 | 0.174 | 11 | 2.00 | 0.049 | 0.33 | <0.1 | <0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 316 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 317 | Soil | 30 | 0.74 | 119 | 0.156 | 12 | 2.64 | 0.036 | 0.46 | <0.1 | <0.01 | 8.0 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| JT 318 | Soil | 32 | 0.86 | 134 | 0.160 | 12 | 2.52 | 0.038 | 0.37 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 319 | Soil | 28 | 0.73 | 138 | 0.116 | 5 | 2.31 | 0.033 | 0.26 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 320 | Soil | 28 | 0.68 | 146 | 0.114 | 5 | 2.64 | 0.031 | 0.28 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 321 | Soil | 32 | 0.70 | 136 | 0.145 | 7 | 2.80 | 0.029 | 0.32 | <0.1 | 0.01 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 322 | Soil | 33 | 0.62 | 135 | 0.143 | 10 | 2.36 | 0.033 | 0.30 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 323 | Soil | 32 | 0.78 | 82 | 0.185 | 9 | 2.04 | 0.041 | 0.21 | <0.1 | 0.01 | 9.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 324 | Soil | 39 | 0.94 | 106 | 0.184 | 7 | 2.76 | 0.050 | 0.29 | <0.1 | 0.01 | 11.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 325 | Soil | 41 | 0.73 | 95 | 0.162 | 7 | 2.63 | 0.059 | 0.24 | <0.1 | 0.01 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 326 | Soil | 42 | 0.75 | 132 | 0.158 | 6 | 3.12 | 0.034 | 0.22 | <0.1 | 0.01 | 8.4 | <0.1 | <0.05 | 8 | 0.7 | <0.2 |
| JT 327 | Soil | 42 | 0.76 | 143 | 0.172 | 5 | 3.08 | 0.038 | 0.17 | <0.1 | 0.01 | 9.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 328 | Soil | 37 | 0.84 | 156 | 0.176 | 7 | 3.31 | 0.038 | 0.18 | <0.1 | 0.02 | 9.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 329 | Soil | 29 | 0.53 | 94 | 0.150 | 6 | 2.20 | 0.078 | 0.07 | <0.1 | 0.02 | 13.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 330 | Soil | 34 | 1.01 | 86 | 0.161 | 5 | 2.82 | 0.074 | 0.13 | <0.1 | 0.02 | 10.5 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| JT 331 | Soil | 32 | 0.78 | 101 | 0.220 | 5 | 2.81 | 0.056 | 0.25 | <0.1 | 0.01 | 8.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 332 | Soil | 36 | 2.08 | 554 | 0.021 | 10 | 4.57 | 0.035 | 0.17 | <0.1 | 0.18 | 10.5 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 333 | Soil | 35 | 0.84 | 197 | 0.100 | 7 | 3.58 | 0.050 | 0.24 | <0.1 | 0.09 | 11.3 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 334 | Soil | 31 | 0.79 | 149 | 0.131 | 11 | 3.31 | 0.037 | 0.35 | <0.1 | 0.03 | 9.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 335 | Soil | 33 | 0.72 | 140 | 0.138 | 9 | 3.17 | 0.034 | 0.24 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 336 | Soil | 36 | 0.94 | 89 | 0.176 | 8 | 3.91 | 0.031 | 0.21 | <0.1 | 0.03 | 8.9 | <0.1 | <0.05 | 11 | <0.5 | <0.2 |
| JT 337 | Soil | 34 | 0.84 | 97 | 0.143 | 8 | 3.67 | 0.027 | 0.31 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 10 | <0.5 | <0.2 |
| JT 338 | Soil | 22 | 1.25 | 218 | 0.004 | 11 | 2.74 | 0.018 | 0.20 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 339 | Soil | 30 | 0.83 | 92 | 0.216 | 4 | 2.45 | 0.062 | 0.28 | <0.1 | <0.01 | 10.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 5 of 8

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------|-----------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 340 | Soil | 0.1 | 44.0 | 4.1 | 59 | <0.1 | 27.5 | 12.8 | 407 | 3.57 | <0.5 | <0.5 | 2.2 | 101 | <0.1 | <0.1 | <0.1 | 81 | 0.80 | 0.020 | 14 |
| JT 341 | Soil | 0.2 | 34.9 | 5.0 | 65 | <0.1 | 23.4 | 11.3 | 565 | 2.86 | 1.1 | <0.5 | 1.7 | 129 | <0.1 | <0.1 | <0.1 | 65 | 0.79 | 0.037 | 16 |
| JT 342 | Soil | 0.1 | 46.2 | 4.7 | 63 | <0.1 | 25.5 | 12.3 | 516 | 3.27 | 0.8 | <0.5 | 2.0 | 143 | <0.1 | <0.1 | <0.1 | 84 | 0.84 | 0.055 | 18 |
| JT 343 | Soil | 0.3 | 39.1 | 4.2 | 91 | <0.1 | 25.7 | 11.1 | 567 | 2.90 | 0.6 | <0.5 | 1.7 | 104 | <0.1 | <0.1 | <0.1 | 65 | 0.76 | 0.036 | 12 |
| JT 344 | Soil | 0.2 | 33.6 | 4.3 | 71 | <0.1 | 28.2 | 11.2 | 496 | 2.54 | 0.5 | <0.5 | 1.8 | 76 | <0.1 | <0.1 | <0.1 | 54 | 0.85 | 0.030 | 11 |
| JT 345 | Soil | 0.2 | 36.6 | 4.4 | 76 | <0.1 | 27.3 | 11.2 | 525 | 2.79 | 0.7 | <0.5 | 2.1 | 99 | <0.1 | <0.1 | <0.1 | 53 | 0.76 | 0.044 | 10 |
| JT 346 | Soil | 0.1 | 40.5 | 4.2 | 68 | <0.1 | 31.4 | 13.1 | 549 | 3.11 | 0.6 | 2.6 | 2.3 | 90 | <0.1 | <0.1 | <0.1 | 61 | 0.76 | 0.033 | 13 |
| JT 347 | Soil | 0.5 | 42.7 | 6.5 | 82 | <0.1 | 46.6 | 22.2 | 972 | 3.44 | 2.1 | <0.5 | 1.7 | 91 | <0.1 | <0.1 | <0.1 | 71 | 0.93 | 0.062 | 11 |
| JT 348 | Soil | 0.5 | 38.7 | 4.6 | 85 | <0.1 | 34.5 | 13.4 | 748 | 3.02 | 1.1 | <0.5 | 2.3 | 92 | <0.1 | <0.1 | <0.1 | 69 | 1.01 | 0.050 | 17 |
| JT 349 | Soil | 0.1 | 31.3 | 3.6 | 64 | <0.1 | 29.9 | 11.1 | 394 | 2.95 | 0.8 | <0.5 | 2.5 | 75 | <0.1 | <0.1 | <0.1 | 62 | 0.76 | 0.029 | 15 |
| JT 350 | Rock Pulp | 0.1 | 36.1 | 3.1 | 60 | <0.1 | 35.3 | 12.6 | 484 | 3.37 | 0.7 | <0.5 | 2.8 | 87 | <0.1 | <0.1 | <0.1 | 77 | 0.71 | 0.028 | 18 |
| S-SBS-30 | Soil | 30.8 | 7056 | 4587 | >10000 | 71.8 | 38.9 | 53.1 | 513 | 5.00 | 55.7 | 531.2 | 4.3 | 38 | 69.5 | 80.6 | 12.1 | 65 | 0.87 | 0.049 | 11 |
| EH 251 | Soil | 0.1 | 45.5 | 5.6 | 63 | 0.1 | 37.8 | 16.8 | 580 | 3.84 | 0.5 | <0.5 | 2.2 | 154 | <0.1 | <0.1 | <0.1 | 87 | 1.07 | 0.047 | 18 |
| EH 252 | Soil | 0.2 | 52.6 | 5.5 | 81 | 0.1 | 49.3 | 21.6 | 920 | 4.22 | 0.5 | <0.5 | 2.2 | 149 | <0.1 | <0.1 | <0.1 | 93 | 1.09 | 0.039 | 19 |
| EH 253 | Soil | 0.3 | 21.7 | 4.7 | 56 | <0.1 | 17.0 | 8.7 | 420 | 2.47 | <0.5 | 0.7 | 1.8 | 172 | <0.1 | <0.1 | <0.1 | 72 | 0.66 | 0.035 | 13 |
| EH 254 | Soil | 0.3 | 24.5 | 7.1 | 94 | <0.1 | 18.0 | 10.9 | 1066 | 2.30 | 0.9 | <0.5 | 1.6 | 92 | <0.1 | <0.1 | <0.1 | 69 | 0.67 | 0.026 | 10 |
| EH 255 | Soil | 0.2 | 37.9 | 6.9 | 64 | 0.1 | 14.8 | 10.8 | 438 | 3.44 | <0.5 | <0.5 | 2.9 | 89 | 0.1 | <0.1 | 0.1 | 93 | 0.69 | 0.030 | 19 |
| EH 256 | Soil | 0.6 | 19.5 | 4.8 | 104 | <0.1 | 13.4 | 7.6 | 1060 | 1.82 | <0.5 | <0.5 | 1.2 | 64 | <0.1 | <0.1 | <0.1 | 45 | 0.53 | 0.023 | 7 |
| EH 257 | Soil | 0.3 | 27.5 | 5.7 | 78 | <0.1 | 19.6 | 10.6 | 844 | 2.54 | 1.5 | 1.0 | 1.8 | 121 | <0.1 | <0.1 | <0.1 | 61 | 0.83 | 0.037 | 14 |
| EH 258 | Soil | 0.5 | 21.8 | 4.7 | 71 | <0.1 | 16.8 | 8.8 | 528 | 2.42 | 1.0 | 1.1 | 1.8 | 107 | 0.1 | 0.1 | 0.2 | 68 | 0.61 | 0.029 | 12 |
| EH 259 | Soil | 0.4 | 21.0 | 5.4 | 58 | <0.1 | 14.0 | 9.0 | 575 | 2.33 | 1.1 | 0.7 | 2.2 | 79 | 0.1 | 0.1 | 0.1 | 51 | 0.59 | 0.022 | 14 |
| EH 260 | Soil | 0.3 | 29.5 | 5.3 | 61 | <0.1 | 22.6 | 10.9 | 433 | 2.86 | 1.8 | 0.6 | 2.2 | 106 | 0.1 | 0.2 | 0.1 | 69 | 0.70 | 0.029 | 14 |
| EH 261 | Soil | 0.5 | 21.8 | 4.8 | 86 | <0.1 | 16.1 | 8.0 | 465 | 2.40 | 1.5 | 38.3 | 1.5 | 92 | <0.1 | 0.1 | <0.1 | 65 | 0.56 | 0.028 | 8 |
| EH 262 | Soil | 0.5 | 25.9 | 5.1 | 68 | <0.1 | 17.5 | 10.6 | 619 | 2.77 | 0.8 | <0.5 | 2.4 | 88 | 0.1 | 0.1 | <0.1 | 68 | 0.53 | 0.021 | 13 |
| EH 263 | Soil | 0.4 | 21.7 | 4.7 | 64 | <0.1 | 17.2 | 9.1 | 488 | 2.40 | 0.9 | 1.1 | 1.6 | 104 | 0.1 | <0.1 | <0.1 | 63 | 0.58 | 0.026 | 9 |
| EH 264 | Soil | 0.3 | 20.5 | 5.2 | 61 | <0.1 | 16.6 | 8.1 | 517 | 2.30 | 1.1 | 1.5 | 1.8 | 93 | 0.2 | 0.1 | <0.1 | 60 | 0.56 | 0.025 | 9 |
| EH 265 | Soil | 0.2 | 24.2 | 5.1 | 73 | <0.1 | 18.8 | 8.7 | 591 | 2.45 | 1.2 | 2.2 | 1.9 | 105 | <0.1 | <0.1 | <0.1 | 58 | 0.67 | 0.038 | 11 |
| EH 266 | Soil | 0.3 | 24.8 | 5.2 | 73 | <0.1 | 18.2 | 9.0 | 526 | 2.41 | 0.8 | <0.5 | 1.8 | 62 | <0.1 | 0.1 | <0.1 | 64 | 0.51 | 0.022 | 11 |
| EH 267 | Soil | 0.3 | 44.5 | 5.3 | 67 | <0.1 | 48.4 | 18.0 | 700 | 3.33 | 1.0 | 0.5 | 1.8 | 178 | <0.1 | <0.1 | <0.1 | 79 | 0.88 | 0.030 | 15 |
| EH 268 | Soil | 0.4 | 45.4 | 4.8 | 71 | <0.1 | 42.9 | 17.5 | 744 | 3.43 | 1.2 | <0.5 | 1.8 | 144 | 0.1 | <0.1 | <0.1 | 73 | 0.77 | 0.029 | 15 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 5 of 8

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------------------------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-------|
| | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm | Te ppm | |
| | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | | |
| JT 340 | Soil | 28 | 0.82 | 92 | 0.200 | 4 | 2.69 | 0.082 | 0.24 | <0.1 | 0.01 | 11.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 341 | Soil | 28 | 0.57 | 135 | 0.149 | 7 | 2.37 | 0.048 | 0.31 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 342 | Soil | 27 | 0.77 | 141 | 0.132 | 5 | 2.52 | 0.055 | 0.24 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 343 | Soil | 31 | 0.61 | 122 | 0.151 | 7 | 2.36 | 0.043 | 0.36 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 344 | Soil | 29 | 0.66 | 104 | 0.164 | 7 | 2.11 | 0.034 | 0.33 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 345 | Soil | 28 | 0.66 | 140 | 0.147 | 17 | 2.39 | 0.031 | 0.54 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 346 | Soil | 39 | 0.88 | 129 | 0.170 | 5 | 2.54 | 0.039 | 0.29 | <0.1 | 0.01 | 9.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 347 | Soil | 49 | 1.13 | 148 | 0.146 | 4 | 2.95 | 0.041 | 0.27 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 348 | Soil | 46 | 0.91 | 160 | 0.143 | 4 | 2.96 | 0.043 | 0.21 | <0.1 | 0.03 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 349 | Soil | 52 | 0.81 | 139 | 0.105 | 4 | 2.78 | 0.038 | 0.19 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 350 | Rock Pulp | 53 | 1.29 | 135 | 0.113 | 4 | 2.96 | 0.044 | 0.18 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| S-SBS-30 | Soil | 36 | 1.08 | 69 | 0.143 | 5 | 1.78 | 0.095 | 0.22 | 30.1 | 1.88 | 4.3 | 1.8 | 2.88 | 9 | 4.1 | <0.2 |
| EH 251 | Soil | 35 | 0.95 | 122 | 0.107 | 8 | 3.65 | 0.041 | 0.27 | <0.1 | 0.04 | 10.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 252 | Soil | 41 | 0.96 | 150 | 0.077 | 5 | 4.46 | 0.030 | 0.48 | <0.1 | 0.03 | 13.1 | <0.1 | <0.05 | 10 | <0.5 | <0.2 |
| EH 253 | Soil | 24 | 0.44 | 165 | 0.162 | 6 | 1.95 | 0.035 | 0.28 | <0.1 | 0.03 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 254 | Soil | 24 | 0.42 | 162 | 0.164 | 6 | 2.23 | 0.026 | 0.23 | <0.1 | 0.03 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 255 | Soil | 19 | 0.64 | 74 | 0.201 | 2 | 2.31 | 0.037 | 0.16 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 256 | Soil | 16 | 0.39 | 128 | 0.137 | 3 | 1.69 | 0.027 | 0.17 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 257 | Soil | 26 | 0.50 | 150 | 0.117 | 9 | 2.30 | 0.030 | 0.29 | <0.1 | 0.05 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 258 | Soil | 25 | 0.45 | 137 | 0.134 | 7 | 1.98 | 0.040 | 0.19 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 259 | Soil | 18 | 0.51 | 104 | 0.106 | 6 | 1.92 | 0.025 | 0.17 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH 260 | Soil | 33 | 0.52 | 144 | 0.132 | 6 | 2.44 | 0.033 | 0.22 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 261 | Soil | 27 | 0.39 | 150 | 0.136 | 5 | 2.10 | 0.031 | 0.18 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 262 | Soil | 24 | 0.51 | 123 | 0.140 | 4 | 2.19 | 0.033 | 0.17 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 263 | Soil | 27 | 0.46 | 128 | 0.148 | 5 | 1.97 | 0.037 | 0.22 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 264 | Soil | 24 | 0.43 | 111 | 0.152 | 4 | 1.91 | 0.032 | 0.19 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 265 | Soil | 24 | 0.48 | 124 | 0.133 | 9 | 2.16 | 0.032 | 0.29 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 266 | Soil | 25 | 0.45 | 87 | 0.154 | 3 | 2.00 | 0.028 | 0.19 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| EH 267 | Soil | 49 | 1.33 | 152 | 0.129 | 6 | 2.74 | 0.053 | 0.30 | <0.1 | 0.01 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 268 | Soil | 43 | 0.88 | 164 | 0.117 | 7 | 2.77 | 0.051 | 0.31 | <0.1 | <0.01 | 9.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 6 of 8

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | | |
| | | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 269 | Soil | | | 0.2 | 101.6 | 4.6 | 41 | 0.1 | 33.9 | 15.5 | 512 | 2.72 | 3.3 | 2.1 | 1.5 | 263 | 0.2 | <0.1 | <0.1 | 66 | 7.51 | 0.106 | 11 |
| EH 270 | Soil | | | 0.5 | 53.8 | 5.7 | 60 | 0.2 | 31.9 | 13.9 | 509 | 3.69 | 5.4 | 4.1 | 2.4 | 171 | 0.1 | 0.3 | <0.1 | 85 | 1.11 | 0.091 | 21 |
| EH 271 | Soil | | | 0.3 | 35.5 | 4.5 | 71 | <0.1 | 30.2 | 12.2 | 483 | 3.01 | 1.6 | 2.0 | 2.2 | 73 | <0.1 | <0.1 | <0.1 | 65 | 0.63 | 0.019 | 10 |
| EH 272 | Soil | | | 0.3 | 34.7 | 4.3 | 73 | <0.1 | 30.2 | 12.5 | 664 | 2.79 | 2.0 | <0.5 | 1.9 | 85 | <0.1 | <0.1 | <0.1 | 65 | 0.67 | 0.025 | 10 |
| EH 273 | Soil | | | 0.2 | 38.1 | 4.2 | 57 | <0.1 | 32.1 | 12.8 | 541 | 3.12 | 1.2 | <0.5 | 2.3 | 84 | 0.1 | <0.1 | <0.1 | 74 | 0.65 | 0.020 | 12 |
| EH 274 | Soil | | | 0.3 | 44.0 | 6.2 | 64 | <0.1 | 35.8 | 15.0 | 706 | 2.98 | 2.2 | <0.5 | 2.1 | 118 | 0.1 | 0.1 | <0.1 | 73 | 0.74 | 0.038 | 12 |
| EH 275 | Soil | | | 0.2 | 36.7 | 4.2 | 65 | <0.1 | 27.4 | 10.5 | 395 | 3.04 | 1.1 | 3.8 | 2.2 | 93 | 0.1 | <0.1 | 0.2 | 66 | 0.75 | 0.027 | 10 |
| EH 276 | Soil | | | 0.3 | 46.4 | 4.7 | 53 | <0.1 | 31.5 | 11.4 | 366 | 3.35 | 1.8 | 0.7 | 2.5 | 112 | 0.2 | 0.1 | 0.1 | 75 | 0.81 | 0.025 | 13 |
| EH 277 | Soil | | | 0.3 | 30.0 | 4.6 | 82 | <0.1 | 22.1 | 9.8 | 430 | 2.91 | 1.5 | 0.6 | 1.9 | 101 | 0.1 | 0.1 | <0.1 | 76 | 0.73 | 0.026 | 10 |
| EH 278 | Soil | | | 0.3 | 45.4 | 5.0 | 77 | <0.1 | 25.4 | 13.3 | 575 | 3.49 | 0.9 | <0.5 | 1.8 | 92 | <0.1 | <0.1 | <0.1 | 93 | 0.67 | 0.032 | 14 |
| EH 279 | Soil | | | 0.4 | 43.6 | 5.3 | 79 | <0.1 | 28.2 | 12.8 | 727 | 3.23 | 1.7 | <0.5 | 2.0 | 107 | 0.1 | 0.2 | <0.1 | 80 | 0.77 | 0.030 | 15 |
| EH 280 | Soil | | | 0.3 | 43.7 | 4.7 | 67 | <0.1 | 25.4 | 11.5 | 359 | 3.40 | 1.8 | 0.6 | 1.9 | 124 | <0.1 | 0.1 | <0.1 | 85 | 0.77 | 0.113 | 15 |
| EH 281 | Soil | | | 0.3 | 25.2 | 3.2 | 89 | <0.1 | 14.8 | 7.7 | 413 | 2.40 | 1.9 | <0.5 | 1.5 | 107 | 0.1 | <0.1 | <0.1 | 56 | 0.70 | 0.054 | 9 |
| EH 282 | Soil | | | 0.2 | 37.3 | 3.4 | 68 | <0.1 | 19.1 | 10.7 | 398 | 3.02 | 1.8 | <0.5 | 2.0 | 87 | <0.1 | <0.1 | <0.1 | 72 | 0.66 | 0.038 | 14 |
| EH 283 | Soil | | | 0.3 | 27.6 | 5.9 | 95 | <0.1 | 20.2 | 10.9 | 834 | 2.64 | 1.8 | <0.5 | 1.8 | 100 | <0.1 | 0.1 | <0.1 | 65 | 0.65 | 0.031 | 11 |
| EH 284 | Soil | | | 0.4 | 28.3 | 4.7 | 94 | <0.1 | 22.6 | 10.2 | 826 | 2.62 | 2.0 | <0.5 | 1.7 | 101 | 0.1 | <0.1 | 0.4 | 69 | 0.64 | 0.024 | 12 |
| EH 285 | Soil | | | 0.6 | 27.1 | 5.0 | 65 | <0.1 | 20.3 | 9.4 | 506 | 2.41 | 1.9 | <0.5 | 1.7 | 92 | <0.1 | 0.1 | 0.1 | 70 | 0.52 | 0.020 | 8 |
| EH 286 | Soil | | | 0.5 | 27.7 | 5.2 | 90 | <0.1 | 21.2 | 9.9 | 744 | 2.55 | 1.6 | 0.7 | 1.5 | 100 | 0.1 | 0.1 | <0.1 | 66 | 0.69 | 0.021 | 8 |
| EH 287 | Soil | | | 0.3 | 33.6 | 4.7 | 71 | <0.1 | 21.3 | 10.6 | 628 | 2.82 | 1.3 | <0.5 | 1.8 | 130 | 0.1 | <0.1 | <0.1 | 71 | 0.73 | 0.044 | 13 |
| EH 288 | Soil | | | 0.6 | 33.8 | 5.3 | 76 | <0.1 | 26.2 | 12.0 | 572 | 2.90 | 2.0 | <0.5 | 2.0 | 100 | 0.1 | 0.2 | <0.1 | 72 | 0.63 | 0.026 | 11 |
| EH 289 | Soil | | | 0.3 | 27.0 | 4.8 | 93 | <0.1 | 19.9 | 10.3 | 749 | 2.56 | 1.8 | <0.5 | 1.7 | 104 | <0.1 | 0.1 | <0.1 | 68 | 0.68 | 0.027 | 11 |
| EH 290 | Soil | | | 0.3 | 26.0 | 4.9 | 71 | <0.1 | 18.4 | 9.3 | 699 | 2.61 | 1.2 | <0.5 | 1.9 | 111 | <0.1 | <0.1 | <0.1 | 61 | 0.60 | 0.019 | 10 |
| EH 291 | Soil | | | 0.5 | 36.5 | 5.5 | 84 | <0.1 | 27.3 | 12.6 | 745 | 2.95 | 2.3 | <0.5 | 1.9 | 100 | 0.2 | 0.1 | <0.1 | 68 | 0.69 | 0.024 | 11 |
| EH 292 | Soil | | | 0.6 | 32.5 | 5.1 | 90 | <0.1 | 25.1 | 10.8 | 715 | 2.80 | 2.4 | <0.5 | 1.5 | 84 | 0.1 | 0.1 | <0.1 | 65 | 0.62 | 0.028 | 10 |
| EH 293 | Soil | | | 0.5 | 25.3 | 4.3 | 179 | <0.1 | 15.2 | 7.8 | 944 | 2.12 | 3.3 | 2.9 | 1.2 | 93 | 0.2 | 0.1 | <0.1 | 53 | 0.85 | 0.056 | 8 |
| EH 294 | Soil | | | 0.5 | 21.9 | 5.5 | 86 | <0.1 | 17.4 | 8.6 | 804 | 2.45 | 2.1 | 3.4 | 1.6 | 104 | 0.1 | 0.2 | 0.1 | 62 | 0.63 | 0.027 | 10 |
| EH 295 | Soil | | | 0.4 | 22.0 | 5.1 | 76 | <0.1 | 16.9 | 8.0 | 408 | 2.26 | 1.9 | 2.0 | 1.6 | 92 | <0.1 | 0.2 | 0.1 | 54 | 0.57 | 0.019 | 9 |
| EH 296 | Soil | | | 0.4 | 12.7 | 4.0 | 80 | <0.1 | 8.9 | 4.9 | 361 | 1.79 | 1.7 | 1.3 | 1.3 | 61 | <0.1 | 0.2 | 0.1 | 40 | 0.51 | 0.016 | 7 |
| EH 297 | Soil | | | 0.5 | 20.5 | 6.2 | 135 | <0.1 | 17.6 | 8.7 | 1331 | 2.11 | 2.1 | 1.2 | 1.3 | 94 | <0.1 | 0.2 | 0.1 | 48 | 0.81 | 0.028 | 8 |
| EH 298 | Soil | | | 0.5 | 27.7 | 5.7 | 70 | <0.1 | 18.5 | 8.5 | 422 | 2.58 | 2.3 | 2.0 | 2.0 | 98 | <0.1 | 0.2 | <0.1 | 56 | 0.65 | 0.035 | 10 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 6 of 8

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 269 | Soil | 43 | 1.22 | 167 | 0.030 | 9 | 2.25 | 0.028 | 0.09 | <0.1 | 0.07 | 8.5 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 270 | Soil | 33 | 1.09 | 132 | 0.118 | 10 | 2.84 | 0.045 | 0.22 | <0.1 | 0.05 | 9.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 271 | Soil | 39 | 0.85 | 113 | 0.153 | 5 | 2.67 | 0.033 | 0.34 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 272 | Soil | 37 | 0.75 | 125 | 0.162 | 5 | 2.20 | 0.042 | 0.37 | <0.1 | 0.01 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 273 | Soil | 42 | 0.92 | 91 | 0.174 | 5 | 2.23 | 0.058 | 0.28 | <0.1 | 0.01 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 274 | Soil | 40 | 0.85 | 138 | 0.169 | 4 | 2.15 | 0.045 | 0.27 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 275 | Soil | 38 | 0.75 | 95 | 0.194 | 7 | 2.54 | 0.052 | 0.35 | <0.1 | <0.01 | 8.9 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 276 | Soil | 43 | 0.82 | 127 | 0.201 | 4 | 3.10 | 0.064 | 0.19 | <0.1 | 0.02 | 10.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 277 | Soil | 32 | 0.59 | 111 | 0.192 | 9 | 2.52 | 0.045 | 0.25 | <0.1 | <0.01 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 278 | Soil | 44 | 0.67 | 83 | 0.258 | 5 | 2.30 | 0.055 | 0.29 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 279 | Soil | 33 | 0.67 | 120 | 0.163 | 7 | 2.95 | 0.044 | 0.23 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 280 | Soil | 32 | 0.72 | 135 | 0.191 | 7 | 2.94 | 0.055 | 0.23 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 281 | Soil | 19 | 0.50 | 129 | 0.147 | 9 | 1.96 | 0.035 | 0.33 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 282 | Soil | 24 | 0.65 | 96 | 0.140 | 8 | 2.29 | 0.035 | 0.28 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 283 | Soil | 25 | 0.55 | 141 | 0.148 | 6 | 2.30 | 0.035 | 0.30 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 284 | Soil | 28 | 0.53 | 146 | 0.163 | 3 | 2.17 | 0.039 | 0.29 | <0.1 | 0.01 | 6.5 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 285 | Soil | 30 | 0.47 | 144 | 0.173 | 4 | 1.97 | 0.036 | 0.23 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 286 | Soil | 30 | 0.50 | 158 | 0.150 | 5 | 2.34 | 0.042 | 0.23 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 287 | Soil | 27 | 0.56 | 145 | 0.141 | 5 | 2.43 | 0.060 | 0.28 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 288 | Soil | 36 | 0.55 | 144 | 0.165 | 4 | 2.80 | 0.039 | 0.20 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 289 | Soil | 27 | 0.48 | 140 | 0.134 | 5 | 2.29 | 0.051 | 0.25 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 290 | Soil | 24 | 0.51 | 140 | 0.128 | 6 | 2.35 | 0.044 | 0.31 | <0.1 | 0.01 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 291 | Soil | 34 | 0.62 | 145 | 0.143 | 5 | 2.84 | 0.034 | 0.29 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 292 | Soil | 31 | 0.59 | 136 | 0.135 | 6 | 2.81 | 0.036 | 0.27 | <0.1 | 0.01 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 293 | Soil | 21 | 0.38 | 201 | 0.109 | 8 | 1.91 | 0.032 | 0.29 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 294 | Soil | 24 | 0.44 | 170 | 0.122 | 6 | 1.83 | 0.028 | 0.25 | <0.1 | 0.03 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 295 | Soil | 25 | 0.43 | 151 | 0.130 | 3 | 1.95 | 0.028 | 0.15 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 296 | Soil | 14 | 0.25 | 102 | 0.080 | 5 | 1.26 | 0.019 | 0.17 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| EH 297 | Soil | 21 | 0.40 | 215 | 0.106 | 7 | 1.80 | 0.024 | 0.23 | <0.1 | 0.03 | 4.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 298 | Soil | 30 | 0.44 | 146 | 0.122 | 5 | 2.31 | 0.023 | 0.21 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Mammoth Geological Ltd.**

2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Project: None Given

Report Date: May 24, 2013

Page: 7 of 8

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method Analyte | Unit | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| MDL | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 299 | Soil | 0.4 | 36.3 | 5.0 | 82 | <0.1 | 26.4 | 12.2 | 686 | 3.11 | 1.2 | 2.1 | 1.7 | 120 | 0.1 | <0.1 | <0.1 | 77 | 0.83 | 0.034 | 12 |
| EH 300 | Soil | 0.5 | 41.7 | 6.5 | 61 | <0.1 | 28.5 | 14.4 | 813 | 2.99 | 0.9 | 0.7 | 1.6 | 118 | 0.2 | 0.1 | <0.1 | 89 | 0.80 | 0.035 | 12 |
| S-P7E-011 | Rock Pulp | 7.0 | 45.8 | 5.0 | 53 | 0.5 | 32.3 | 13.6 | 502 | 3.11 | 6.5 | 642.2 | 1.4 | 44 | 0.4 | 1.0 | 0.2 | 61 | 0.85 | 0.055 | 7 |
| EH 301 | Soil | 0.2 | 40.1 | 6.1 | 62 | <0.1 | 25.3 | 12.1 | 523 | 2.84 | 1.1 | 1.2 | 1.4 | 205 | <0.1 | <0.1 | <0.1 | 89 | 0.83 | 0.032 | 13 |
| EH 302 | Soil | 0.2 | 45.1 | 5.8 | 64 | <0.1 | 33.1 | 14.0 | 554 | 3.39 | 1.4 | 1.4 | 1.6 | 205 | <0.1 | <0.1 | <0.1 | 96 | 0.95 | 0.036 | 15 |
| EH 303 | Soil | 0.4 | 27.7 | 4.4 | 84 | <0.1 | 24.4 | 10.8 | 587 | 2.53 | 1.3 | 4.7 | 1.5 | 76 | 0.2 | <0.1 | <0.1 | 54 | 0.66 | 0.025 | 8 |
| EH 304 | Soil | 0.3 | 37.5 | 3.5 | 87 | <0.1 | 31.5 | 13.5 | 511 | 2.91 | 2.2 | <0.5 | 2.2 | 79 | <0.1 | <0.1 | <0.1 | 51 | 0.72 | 0.026 | 12 |
| EH 305 | Soil | 0.1 | 59.4 | 3.1 | 53 | 0.2 | 37.5 | 15.5 | 425 | 2.89 | 2.0 | 0.8 | 2.5 | 50 | <0.1 | <0.1 | <0.1 | 39 | 1.00 | 0.083 | 14 |
| EH 306 | Soil | 0.3 | 48.4 | 4.5 | 61 | <0.1 | 33.1 | 13.1 | 374 | 3.58 | 1.2 | 2.5 | 2.4 | 108 | <0.1 | 0.1 | <0.1 | 73 | 0.87 | 0.040 | 13 |
| EH 307 | Soil | 0.2 | 46.1 | 4.1 | 60 | <0.1 | 30.1 | 11.9 | 331 | 3.45 | 1.2 | 0.7 | 2.3 | 121 | 0.1 | <0.1 | <0.1 | 78 | 0.93 | 0.035 | 18 |
| EH 308 | Soil | 0.3 | 29.2 | 5.2 | 84 | <0.1 | 19.1 | 11.7 | 710 | 2.78 | 1.0 | <0.5 | 1.7 | 107 | 0.2 | 0.1 | <0.1 | 63 | 0.82 | 0.029 | 12 |
| EH 309 | Soil | 0.3 | 22.8 | 3.9 | 81 | <0.1 | 16.3 | 8.0 | 367 | 2.47 | 0.8 | 0.9 | 1.5 | 86 | <0.1 | <0.1 | <0.1 | 54 | 0.68 | 0.027 | 10 |
| EH 310 | Soil | 0.3 | 33.4 | 4.3 | 69 | <0.1 | 18.9 | 10.2 | 459 | 2.90 | 1.0 | 1.2 | 2.0 | 109 | 0.1 | <0.1 | <0.1 | 65 | 0.73 | 0.028 | 14 |
| EH 311 | Soil | 0.2 | 34.6 | 5.2 | 74 | <0.1 | 22.6 | 11.5 | 494 | 2.97 | 1.6 | 1.0 | 1.9 | 130 | <0.1 | 0.1 | <0.1 | 66 | 0.90 | 0.045 | 16 |
| EH 312 | Soil | 0.3 | 34.3 | 5.2 | 67 | <0.1 | 23.7 | 11.9 | 468 | 2.97 | 0.9 | 0.9 | 1.9 | 94 | <0.1 | 0.1 | <0.1 | 68 | 0.68 | 0.022 | 14 |
| EH 313 | Soil | 0.6 | 32.9 | 5.6 | 80 | <0.1 | 26.5 | 12.3 | 513 | 2.96 | 1.8 | 1.8 | 1.9 | 109 | 0.2 | 0.2 | <0.1 | 65 | 0.80 | 0.062 | 12 |
| EH 314 | Soil | 0.4 | 30.1 | 6.2 | 80 | <0.1 | 21.7 | 12.5 | 700 | 2.78 | 1.4 | <0.5 | 2.0 | 97 | 0.1 | 0.1 | <0.1 | 64 | 0.70 | 0.056 | 12 |
| EH 315 | Soil | 0.4 | 30.9 | 5.0 | 65 | <0.1 | 21.4 | 11.2 | 464 | 2.89 | 1.0 | 0.8 | 2.0 | 108 | 0.1 | 0.2 | <0.1 | 59 | 0.80 | 0.027 | 15 |
| EH 316 | Soil | 0.4 | 26.5 | 4.7 | 88 | <0.1 | 20.9 | 9.3 | 660 | 2.45 | 1.6 | <0.5 | 1.4 | 81 | 0.1 | 0.2 | <0.1 | 54 | 0.68 | 0.034 | 9 |
| EH 317 | Soil | 0.5 | 33.2 | 5.2 | 69 | <0.1 | 24.2 | 12.7 | 491 | 2.90 | 2.2 | <0.5 | 1.9 | 106 | 0.1 | 0.2 | <0.1 | 64 | 0.76 | 0.040 | 12 |
| EH 318 | Soil | 0.7 | 30.1 | 5.4 | 70 | <0.1 | 25.1 | 12.8 | 686 | 2.79 | 3.2 | 0.9 | 1.7 | 87 | <0.1 | 0.1 | 0.2 | 62 | 0.71 | 0.029 | 10 |
| EH 319 | Soil | 0.5 | 30.4 | 5.6 | 77 | <0.1 | 21.2 | 11.8 | 661 | 2.68 | 1.5 | <0.5 | 1.8 | 88 | 0.2 | 0.1 | 0.1 | 63 | 0.64 | 0.027 | 10 |
| EH 320 | Soil | 0.6 | 25.2 | 4.8 | 97 | <0.1 | 21.3 | 9.8 | 703 | 2.35 | 2.2 | <0.5 | 1.4 | 77 | 0.1 | 0.1 | 0.1 | 58 | 0.56 | 0.029 | 8 |
| EH 321 | Soil | 0.6 | 34.4 | 5.5 | 94 | <0.1 | 25.0 | 11.8 | 1010 | 2.68 | 3.4 | <0.5 | 1.6 | 84 | 0.1 | 0.2 | 0.1 | 59 | 0.69 | 0.042 | 9 |
| EH 322 | Soil | 0.5 | 26.8 | 4.7 | 93 | <0.1 | 21.8 | 10.9 | 1056 | 2.40 | 2.0 | 0.7 | 1.3 | 80 | 0.2 | 0.1 | <0.1 | 49 | 0.61 | 0.029 | 7 |
| EH 323 | Soil | 0.5 | 34.0 | 4.7 | 131 | <0.1 | 25.2 | 10.2 | 690 | 2.49 | 3.7 | <0.5 | 1.4 | 76 | 0.2 | 0.1 | <0.1 | 56 | 0.64 | 0.044 | 8 |
| EH 324 | Soil | 0.5 | 33.1 | 5.2 | 89 | <0.1 | 24.4 | 11.6 | 854 | 2.56 | 4.0 | 0.5 | 1.7 | 88 | 0.1 | 0.1 | <0.1 | 54 | 0.72 | 0.037 | 11 |
| EH 325 | Soil | 0.7 | 28.8 | 5.0 | 103 | <0.1 | 22.9 | 10.8 | 1077 | 2.58 | 2.8 | 0.7 | 1.7 | 105 | 0.2 | 0.2 | <0.1 | 58 | 0.77 | 0.045 | 12 |
| EH 326 | Soil | 0.3 | 25.9 | 6.2 | 38 | <0.1 | 17.7 | 8.9 | 507 | 2.09 | 1.4 | <0.5 | 2.6 | 83 | <0.1 | <0.1 | <0.1 | 49 | 1.05 | 0.043 | 24 |
| EH 327 | Soil | 0.4 | 31.1 | 4.6 | 116 | <0.1 | 21.6 | 9.7 | 815 | 2.54 | 1.6 | <0.5 | 1.8 | 78 | 0.1 | 0.2 | 0.2 | 52 | 0.61 | 0.038 | 12 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 7 of 8

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 299 | Soil | 32 | 0.72 | 115 | 0.257 | 6 | 2.33 | 0.051 | 0.25 | <0.1 | <0.01 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 300 | Soil | 32 | 0.72 | 99 | 0.318 | 3 | 1.79 | 0.047 | 0.21 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| S-P7E-011 | Rock Pulp | 35 | 0.73 | 149 | 0.135 | 3 | 1.57 | 0.121 | 0.14 | 26.5 | 0.06 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 301 | Soil | 33 | 0.74 | 196 | 0.252 | 4 | 2.39 | 0.058 | 0.26 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 302 | Soil | 48 | 1.19 | 174 | 0.242 | 5 | 3.03 | 0.071 | 0.22 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 303 | Soil | 26 | 0.56 | 119 | 0.157 | 5 | 2.23 | 0.027 | 0.26 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 304 | Soil | 35 | 0.91 | 102 | 0.145 | 8 | 2.26 | 0.026 | 0.33 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 305 | Soil | 34 | 0.93 | 40 | 0.048 | 4 | 1.60 | 0.021 | 0.04 | <0.1 | 0.04 | 8.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 306 | Soil | 34 | 0.92 | 105 | 0.208 | 6 | 2.67 | 0.037 | 0.22 | <0.1 | 0.02 | 10.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 307 | Soil | 40 | 0.90 | 94 | 0.239 | 4 | 2.68 | 0.040 | 0.19 | <0.1 | 0.01 | 10.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 308 | Soil | 23 | 0.55 | 124 | 0.192 | 7 | 2.31 | 0.030 | 0.28 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 309 | Soil | 20 | 0.46 | 96 | 0.183 | 3 | 2.13 | 0.033 | 0.19 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 310 | Soil | 23 | 0.55 | 105 | 0.210 | 4 | 2.27 | 0.034 | 0.24 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 311 | Soil | 26 | 0.59 | 124 | 0.164 | 6 | 2.78 | 0.031 | 0.22 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 312 | Soil | 29 | 0.63 | 144 | 0.162 | 2 | 2.62 | 0.033 | 0.19 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 313 | Soil | 34 | 0.64 | 167 | 0.152 | 4 | 2.92 | 0.034 | 0.15 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 314 | Soil | 28 | 0.49 | 167 | 0.140 | 5 | 2.81 | 0.028 | 0.24 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 315 | Soil | 25 | 0.62 | 124 | 0.117 | 5 | 2.40 | 0.036 | 0.20 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 316 | Soil | 26 | 0.49 | 152 | 0.131 | 4 | 2.38 | 0.029 | 0.11 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 317 | Soil | 29 | 0.59 | 151 | 0.128 | 7 | 2.78 | 0.031 | 0.17 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 318 | Soil | 32 | 0.55 | 172 | 0.123 | 4 | 2.76 | 0.024 | 0.15 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 319 | Soil | 29 | 0.55 | 150 | 0.127 | 2 | 2.60 | 0.028 | 0.16 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 320 | Soil | 25 | 0.48 | 190 | 0.127 | 2 | 2.28 | 0.026 | 0.17 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 321 | Soil | 28 | 0.56 | 207 | 0.124 | 3 | 2.73 | 0.026 | 0.18 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 322 | Soil | 25 | 0.51 | 166 | 0.118 | 5 | 2.46 | 0.028 | 0.21 | <0.1 | 0.01 | 5.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 323 | Soil | 26 | 0.56 | 168 | 0.121 | 4 | 2.39 | 0.025 | 0.23 | <0.1 | 0.01 | 5.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 324 | Soil | 28 | 0.52 | 206 | 0.121 | 5 | 2.64 | 0.025 | 0.21 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 325 | Soil | 27 | 0.52 | 224 | 0.100 | 7 | 2.38 | 0.025 | 0.27 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 326 | Soil | 15 | 0.88 | 72 | 0.024 | 4 | 2.02 | 0.016 | 0.06 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 327 | Soil | 28 | 0.48 | 171 | 0.105 | 6 | 2.46 | 0.024 | 0.24 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 8 of 8

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | | | | | | | | | | | | | | | | | | | |
|-----------|-----------|-------|------|-----|-----|------|------|------|-----|------|-----|-------|-----|-----|------|------|------|-----|------|-------|-----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| EH 328 | Soil | 0.5 | 26.5 | 5.1 | 69 | <0.1 | 19.2 | 10.4 | 524 | 2.58 | 2.6 | 0.7 | 1.6 | 81 | 0.1 | 0.2 | 0.1 | 60 | 0.59 | 0.030 | 9 |
| EH 329 | Soil | 0.4 | 29.9 | 4.9 | 89 | <0.1 | 22.2 | 11.0 | 724 | 2.51 | 1.6 | 2.4 | 1.7 | 88 | <0.1 | 0.2 | 0.3 | 54 | 0.69 | 0.034 | 11 |
| EH 330 | Soil | 0.4 | 39.7 | 5.5 | 78 | <0.1 | 28.2 | 14.1 | 535 | 3.09 | 2.7 | <0.5 | 2.2 | 98 | <0.1 | 0.2 | 0.2 | 65 | 0.72 | 0.029 | 16 |
| EH 331 | Soil | 0.4 | 29.4 | 4.7 | 112 | <0.1 | 20.6 | 10.4 | 747 | 2.61 | 1.4 | 2.9 | 1.7 | 94 | 0.1 | <0.1 | 0.1 | 56 | 0.74 | 0.035 | 11 |
| EH 332 | Soil | 0.4 | 31.6 | 4.8 | 71 | <0.1 | 24.5 | 11.9 | 609 | 2.84 | 2.6 | <0.5 | 1.9 | 109 | 0.1 | 0.2 | <0.1 | 62 | 0.75 | 0.038 | 11 |
| EH 333 | Soil | 0.4 | 36.1 | 5.6 | 72 | <0.1 | 26.5 | 12.8 | 475 | 3.07 | 2.2 | <0.5 | 2.2 | 107 | 0.1 | 0.2 | <0.1 | 67 | 0.75 | 0.032 | 15 |
| EH 334 | Soil | 0.3 | 47.8 | 5.1 | 81 | <0.1 | 29.4 | 16.1 | 800 | 3.32 | 1.5 | <0.5 | 1.7 | 236 | 0.2 | 0.1 | <0.1 | 69 | 0.97 | 0.055 | 13 |
| EH 335 | Soil | 0.4 | 39.2 | 3.0 | 67 | <0.1 | 24.7 | 9.8 | 321 | 3.08 | 1.6 | <0.5 | 1.8 | 199 | <0.1 | 0.1 | <0.1 | 76 | 0.85 | 0.040 | 12 |
| EH 336 | Soil | 0.4 | 32.8 | 4.3 | 87 | <0.1 | 18.8 | 8.8 | 653 | 2.39 | 1.5 | <0.5 | 1.5 | 114 | 0.2 | 0.1 | <0.1 | 46 | 0.93 | 0.049 | 9 |
| EH 337 | Soil | 0.3 | 32.8 | 4.7 | 91 | <0.1 | 21.4 | 10.6 | 822 | 2.73 | 1.0 | <0.5 | 1.8 | 127 | 0.1 | <0.1 | <0.1 | 55 | 0.89 | 0.036 | 14 |
| EH 338 | Soil | 0.2 | 40.2 | 4.8 | 60 | <0.1 | 37.3 | 17.3 | 740 | 3.42 | 1.7 | 6.8 | 1.9 | 243 | 0.1 | 0.1 | <0.1 | 77 | 0.94 | 0.044 | 19 |
| EH 339 | Soil | 0.6 | 43.3 | 4.6 | 65 | <0.1 | 33.6 | 17.2 | 842 | 3.23 | 2.3 | 2.4 | 1.6 | 179 | <0.1 | 0.1 | <0.1 | 74 | 1.27 | 0.072 | 19 |
| EH 340 | Soil | 0.4 | 38.3 | 5.9 | 70 | <0.1 | 23.0 | 12.4 | 777 | 2.80 | 2.4 | <0.5 | 1.9 | 217 | 0.1 | 0.2 | 0.5 | 64 | 0.82 | 0.037 | 21 |
| EH 341 | Soil | 0.4 | 31.5 | 6.3 | 59 | <0.1 | 18.2 | 9.8 | 752 | 2.51 | 3.3 | 0.8 | 1.5 | 145 | <0.1 | 0.2 | 0.2 | 52 | 1.00 | 0.066 | 19 |
| EH 342 | Soil | 0.4 | 31.9 | 6.0 | 65 | <0.1 | 19.7 | 10.9 | 801 | 2.55 | 2.4 | 0.7 | 1.7 | 119 | 0.1 | 0.2 | <0.1 | 55 | 0.76 | 0.046 | 18 |
| EH 343 | Soil | 0.4 | 36.5 | 5.6 | 80 | <0.1 | 22.7 | 11.8 | 815 | 2.76 | 2.5 | <0.5 | 2.0 | 131 | 0.2 | 0.2 | <0.1 | 62 | 0.77 | 0.042 | 17 |
| EH 344 | Soil | 0.3 | 43.4 | 4.2 | 44 | 0.2 | 24.6 | 11.1 | 537 | 2.63 | 2.3 | 8.2 | 1.6 | 143 | 0.1 | 0.2 | <0.1 | 63 | 4.57 | 0.079 | 16 |
| EH 345 | Soil | 0.4 | 35.4 | 6.0 | 102 | <0.1 | 19.4 | 9.5 | 929 | 2.41 | 3.8 | <0.5 | 1.6 | 103 | 0.2 | 0.2 | <0.1 | 50 | 1.16 | 0.105 | 15 |
| EH 346 | Soil | 0.3 | 35.0 | 4.5 | 52 | <0.1 | 28.0 | 13.8 | 445 | 2.99 | 2.9 | <0.5 | 2.0 | 93 | <0.1 | 0.1 | <0.1 | 68 | 0.66 | 0.034 | 16 |
| EH 347 | Soil | 0.1 | 45.1 | 5.2 | 55 | 0.1 | 31.5 | 13.6 | 387 | 2.98 | 2.0 | 1.7 | 2.1 | 241 | 0.1 | <0.1 | <0.1 | 76 | 0.96 | 0.037 | 16 |
| EH 348 | Soil | 0.4 | 41.1 | 4.6 | 59 | <0.1 | 42.6 | 15.0 | 477 | 3.20 | 3.0 | <0.5 | 2.0 | 93 | <0.1 | 0.2 | <0.1 | 72 | 0.87 | 0.047 | 17 |
| EH 349 | Soil | 0.2 | 49.0 | 4.1 | 57 | 0.1 | 64.2 | 18.3 | 503 | 3.82 | 1.3 | <0.5 | 1.6 | 105 | <0.1 | <0.1 | 0.3 | 78 | 0.97 | 0.056 | 15 |
| EH 350 | Soil | 0.4 | 36.6 | 4.7 | 69 | <0.1 | 34.6 | 14.1 | 554 | 3.32 | 2.8 | <0.5 | 1.7 | 92 | <0.1 | 0.1 | 0.1 | 69 | 0.82 | 0.050 | 12 |
| S P7E 012 | Rock Pulp | 6.7 | 45.6 | 4.9 | 54 | 0.6 | 31.5 | 13.5 | 499 | 3.08 | 7.0 | 774.4 | 1.3 | 47 | 0.3 | 1.1 | 0.1 | 64 | 0.83 | 0.060 | 7 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 8 of 8

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 328 | Soil | 29 | 0.49 | 167 | 0.122 | 2 | 2.41 | 0.027 | 0.12 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 329 | Soil | 26 | 0.49 | 199 | 0.092 | 4 | 2.42 | 0.026 | 0.13 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 330 | Soil | 35 | 0.61 | 167 | 0.117 | 5 | 2.80 | 0.033 | 0.19 | <0.1 | 0.03 | 9.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 331 | Soil | 27 | 0.59 | 158 | 0.092 | 8 | 2.32 | 0.030 | 0.21 | <0.1 | 0.04 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 332 | Soil | 32 | 0.65 | 179 | 0.126 | 5 | 2.68 | 0.037 | 0.19 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 333 | Soil | 33 | 0.69 | 176 | 0.130 | 4 | 2.98 | 0.042 | 0.14 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 334 | Soil | 35 | 0.84 | 144 | 0.123 | 6 | 2.74 | 0.038 | 0.38 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 335 | Soil | 33 | 0.64 | 120 | 0.143 | 4 | 2.67 | 0.052 | 0.27 | <0.1 | 0.03 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 336 | Soil | 24 | 0.44 | 168 | 0.104 | 7 | 2.37 | 0.032 | 0.32 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 337 | Soil | 26 | 0.57 | 165 | 0.087 | 7 | 2.56 | 0.031 | 0.36 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 338 | Soil | 30 | 1.00 | 331 | 0.058 | 8 | 3.32 | 0.137 | 0.39 | <0.1 | 0.40 | 10.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 339 | Soil | 27 | 1.20 | 217 | 0.019 | 13 | 3.54 | 0.289 | 0.22 | <0.1 | 0.27 | 10.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 340 | Soil | 25 | 0.66 | 311 | 0.069 | 6 | 2.65 | 0.024 | 0.43 | <0.1 | 0.03 | 6.7 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| EH 341 | Soil | 19 | 0.54 | 166 | 0.045 | 6 | 2.23 | 0.020 | 0.39 | <0.1 | 0.05 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 342 | Soil | 22 | 0.55 | 152 | 0.067 | 6 | 2.29 | 0.024 | 0.37 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 343 | Soil | 26 | 0.57 | 149 | 0.098 | 6 | 2.34 | 0.022 | 0.44 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 344 | Soil | 23 | 0.79 | 124 | 0.062 | 19 | 2.03 | 0.034 | 0.29 | <0.1 | 0.06 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 345 | Soil | 20 | 0.56 | 163 | 0.068 | 29 | 1.91 | 0.024 | 0.48 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 346 | Soil | 32 | 0.90 | 109 | 0.113 | 20 | 2.25 | 0.037 | 0.33 | <0.1 | 0.03 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 347 | Soil | 34 | 1.36 | 202 | 0.108 | 15 | 2.73 | 0.038 | 0.31 | <0.1 | 0.03 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 348 | Soil | 27 | 0.94 | 123 | 0.131 | 14 | 1.98 | 0.034 | 0.19 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 349 | Soil | 44 | 1.67 | 72 | 0.154 | 9 | 3.14 | 0.058 | 0.23 | <0.1 | 0.02 | 14.1 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| EH 350 | Soil | 40 | 0.81 | 137 | 0.148 | 10 | 2.90 | 0.033 | 0.28 | <0.1 | 0.03 | 9.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| S P7E 012 | Rock Pulp | 37 | 0.77 | 152 | 0.133 | 5 | 1.58 | 0.142 | 0.15 | 28.9 | 0.06 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001611.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|------|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| JT 278 | Soil | 0.2 | 39.9 | 4.2 | 55 | <0.1 | 38.3 | 13.2 | 391 | 3.30 | 0.7 | 0.6 | 2.6 | 89 | <0.1 | <0.1 | <0.1 | 78 | 0.86 | 0.034 | 19 |
| REP JT 278 | QC | 0.3 | 40.1 | 4.1 | 58 | <0.1 | 37.9 | 13.2 | 390 | 3.30 | 1.0 | <0.5 | 2.7 | 90 | 0.1 | <0.1 | <0.1 | 78 | 0.85 | 0.033 | 19 |
| JT 313 | Soil | 0.2 | 54.5 | 3.7 | 58 | <0.1 | 34.3 | 15.3 | 424 | 3.74 | 0.8 | <0.5 | 1.9 | 83 | 0.1 | <0.1 | <0.1 | 106 | 0.79 | 0.025 | 13 |
| REP JT 313 | QC | 0.2 | 53.8 | 3.7 | 58 | <0.1 | 34.9 | 15.4 | 418 | 3.74 | 0.6 | <0.5 | 1.9 | 84 | 0.1 | <0.1 | <0.1 | 106 | 0.80 | 0.023 | 13 |
| JT 350 | Rock Pulp | 0.1 | 36.1 | 3.1 | 60 | <0.1 | 35.3 | 12.6 | 484 | 3.37 | 0.7 | <0.5 | 2.8 | 87 | <0.1 | <0.1 | <0.1 | 77 | 0.71 | 0.028 | 18 |
| REP JT 350 | QC | 0.1 | 36.1 | 3.1 | 58 | <0.1 | 35.3 | 12.8 | 488 | 3.31 | 0.9 | <0.5 | 2.7 | 87 | <0.1 | <0.1 | <0.1 | 81 | 0.75 | 0.030 | 19 |
| EH 285 | Soil | 0.6 | 27.1 | 5.0 | 65 | <0.1 | 20.3 | 9.4 | 506 | 2.41 | 1.9 | <0.5 | 1.7 | 92 | <0.1 | 0.1 | 0.1 | 70 | 0.52 | 0.020 | 8 |
| REP EH 285 | QC | 0.6 | 27.9 | 5.1 | 69 | <0.1 | 20.9 | 9.7 | 522 | 2.50 | 1.7 | <0.5 | 1.7 | 95 | <0.1 | 0.1 | 0.1 | 73 | 0.55 | 0.022 | 9 |
| EH 299 | Soil | 0.4 | 36.3 | 5.0 | 82 | <0.1 | 26.4 | 12.2 | 686 | 3.11 | 1.2 | 2.1 | 1.7 | 120 | 0.1 | <0.1 | <0.1 | 77 | 0.83 | 0.034 | 12 |
| REP EH 299 | QC | 0.4 | 35.9 | 5.0 | 82 | <0.1 | 26.5 | 11.8 | 680 | 3.01 | 1.3 | 0.6 | 1.7 | 118 | <0.1 | <0.1 | <0.1 | 77 | 0.86 | 0.033 | 12 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 15.0 | 154.3 | 151.5 | 372 | 2.2 | 75.8 | 13.0 | 894 | 2.85 | 47.0 | 97.2 | 7.4 | 69 | 2.8 | 10.0 | 12.6 | 47 | 1.03 | 0.083 | 18 |
| STD DS10 | Standard | 15.0 | 161.1 | 145.8 | 368 | 2.0 | 74.8 | 13.4 | 918 | 2.89 | 45.4 | 86.2 | 8.2 | 75 | 2.3 | 10.0 | 12.7 | 46 | 1.13 | 0.079 | 20 |
| STD DS10 | Standard | 15.2 | 155.8 | 145.9 | 357 | 2.0 | 76.1 | 13.5 | 870 | 2.74 | 43.8 | 78.2 | 8.0 | 72 | 2.5 | 9.9 | 12.5 | 47 | 1.11 | 0.075 | 20 |
| STD DS10 | Standard | 14.1 | 157.7 | 141.0 | 343 | 1.9 | 72.7 | 13.1 | 869 | 2.77 | 44.9 | 84.3 | 7.5 | 67 | 2.7 | 10.2 | 11.6 | 44 | 1.07 | 0.071 | 18 |
| STD DS10 | Standard | 16.1 | 161.2 | 159.1 | 354 | 1.7 | 77.9 | 13.6 | 913 | 2.88 | 46.4 | 73.7 | 8.3 | 73 | 2.8 | 10.1 | 11.7 | 48 | 1.05 | 0.074 | 19 |
| STD DS10 | Standard | 15.5 | 161.7 | 152.8 | 367 | 2.0 | 76.5 | 13.2 | 898 | 2.86 | 45.3 | 82.7 | 8.3 | 71 | 2.7 | 9.8 | 12.4 | 46 | 1.08 | 0.072 | 20 |
| STD DS9 | Standard | 12.5 | 109.5 | 125.3 | 320 | 1.9 | 40.1 | 7.4 | 596 | 2.39 | 26.0 | 128.4 | 6.7 | 74 | 2.5 | 6.3 | 6.7 | 43 | 0.74 | 0.088 | 14 |
| STD DS9 | Standard | 13.4 | 107.7 | 124.0 | 307 | 1.8 | 40.6 | 7.6 | 588 | 2.36 | 25.3 | 114.2 | 6.8 | 79 | 1.9 | 5.8 | 7.2 | 42 | 0.75 | 0.084 | 16 |
| STD DS9 | Standard | 13.9 | 111.3 | 128.7 | 309 | 1.8 | 39.5 | 7.8 | 590 | 2.39 | 26.1 | 108.6 | 7.1 | 81 | 2.3 | 6.3 | 7.1 | 44 | 0.76 | 0.088 | 17 |
| STD DS9 | Standard | 13.0 | 112.2 | 129.2 | 315 | 1.9 | 40.3 | 8.0 | 591 | 2.42 | 26.2 | 114.3 | 6.6 | 73 | 2.3 | 6.2 | 6.9 | 41 | 0.73 | 0.085 | 14 |
| STD DS9 | Standard | 13.6 | 114.7 | 135.2 | 321 | 1.6 | 41.3 | 8.0 | 612 | 2.45 | 28.2 | 108.5 | 7.3 | 80 | 2.5 | 6.3 | 6.8 | 44 | 0.76 | 0.085 | 16 |
| STD DS9 | Standard | 14.1 | 113.1 | 129.6 | 319 | 1.9 | 41.0 | 8.0 | 592 | 2.45 | 25.8 | 123.9 | 6.9 | 78 | 2.2 | 6.5 | 7.1 | 42 | 0.76 | 0.084 | 16 |
| 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 | 13.3 |
| BLK | Blank | <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 | 3 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | 0.3 | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |



www.acmelab.com

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

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

Project: None Given
 Report Date: May 24, 2013

Page: 1 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001611.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|-----------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| JT 278 | Soil | 50 | 1.13 | 79 | 0.161 | 4 | 2.43 | 0.037 | 0.16 | <0.1 | 0.01 | 12.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 278 | QC | 49 | 1.11 | 81 | 0.161 | 5 | 2.38 | 0.039 | 0.16 | <0.1 | 0.02 | 12.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 313 | Soil | 33 | 1.27 | 55 | 0.219 | <1 | 2.31 | 0.080 | 0.15 | <0.1 | <0.01 | 11.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 313 | QC | 32 | 1.28 | 55 | 0.221 | <1 | 2.29 | 0.080 | 0.15 | <0.1 | 0.01 | 11.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 350 | Rock Pulp | 53 | 1.29 | 135 | 0.113 | 4 | 2.96 | 0.044 | 0.18 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP JT 350 | QC | 55 | 1.24 | 136 | 0.120 | 2 | 2.93 | 0.045 | 0.18 | <0.1 | 0.02 | 9.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 285 | Soil | 30 | 0.47 | 144 | 0.173 | 4 | 1.97 | 0.036 | 0.23 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 285 | QC | 31 | 0.49 | 145 | 0.179 | 4 | 2.06 | 0.036 | 0.23 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 299 | Soil | 32 | 0.72 | 115 | 0.257 | 6 | 2.33 | 0.051 | 0.25 | <0.1 | <0.01 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 299 | QC | 32 | 0.71 | 116 | 0.255 | 8 | 2.37 | 0.049 | 0.25 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 55 | 0.80 | 370 | 0.078 | 8 | 1.11 | 0.071 | 0.36 | 3.6 | 0.31 | 3.0 | 5.4 | 0.25 | 5 | 2.3 | 5.1 |
| STD DS10 | Standard | 57 | 0.79 | 372 | 0.092 | 7 | 1.13 | 0.072 | 0.32 | 3.5 | 0.33 | 2.8 | 4.9 | 0.29 | 5 | 2.5 | 5.1 |
| STD DS10 | Standard | 58 | 0.79 | 361 | 0.093 | 7 | 1.09 | 0.071 | 0.32 | 3.2 | 0.29 | 2.9 | 4.8 | 0.28 | 5 | 1.7 | 5.4 |
| STD DS10 | Standard | 55 | 0.76 | 356 | 0.083 | 6 | 1.01 | 0.064 | 0.31 | 3.2 | 0.27 | 2.8 | 4.7 | 0.29 | 4 | 1.3 | 5.0 |
| STD DS10 | Standard | 58 | 0.82 | 376 | 0.093 | 6 | 1.09 | 0.069 | 0.32 | 3.6 | 0.28 | 3.1 | 5.0 | 0.25 | 5 | 2.7 | 5.0 |
| STD DS10 | Standard | 58 | 0.77 | 357 | 0.092 | 4 | 1.06 | 0.069 | 0.34 | 3.4 | 0.28 | 2.9 | 5.0 | 0.27 | 5 | 2.6 | 4.6 |
| STD DS9 | Standard | 120 | 0.62 | 307 | 0.115 | 3 | 0.97 | 0.087 | 0.40 | 3.1 | 0.21 | 2.6 | 5.7 | 0.12 | 5 | 5.5 | 4.9 |
| STD DS9 | Standard | 122 | 0.63 | 310 | 0.132 | 3 | 0.99 | 0.091 | 0.40 | 3.1 | 0.19 | 3.1 | 5.1 | 0.15 | 5 | 5.4 | 5.2 |
| STD DS9 | Standard | 125 | 0.63 | 303 | 0.135 | 2 | 1.02 | 0.093 | 0.38 | 3.2 | 0.21 | 2.6 | 5.2 | 0.15 | 5 | 5.4 | 5.2 |
| STD DS9 | Standard | 118 | 0.65 | 304 | 0.120 | 3 | 0.97 | 0.080 | 0.39 | 3.0 | 0.22 | 2.2 | 5.1 | 0.16 | 5 | 4.6 | 5.4 |
| STD DS9 | Standard | 128 | 0.65 | 313 | 0.129 | 3 | 1.00 | 0.095 | 0.38 | 3.1 | 0.19 | 2.7 | 5.2 | 0.12 | 5 | 5.3 | 5.4 |
| STD DS9 | Standard | 124 | 0.65 | 308 | 0.133 | <1 | 0.98 | 0.093 | 0.40 | 3.1 | 0.20 | 2.6 | 5.2 | 0.15 | 5 | 5.3 | 5.8 |
| STD DS9 Expected | | 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 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <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 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001611.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | | 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 | 1 |
| BLK | Blank | <0.1 | 0.1 | <0.1 | <1 | <0.1 | 0.1 | <0.1 | <1 | 0.02 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <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 | <1 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 2 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001611.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-----|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <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 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: May 15, 2013
Report Date: May 24, 2013
Page: 1 of 10

CERTIFICATE OF ANALYSIS

VAN13001612.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 255

SAMPLE DISPOSAL

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

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

Invoice To: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| Dry at 60C | 253 | Dry at 60C | | | VAN |
| SS80 | 248 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| 1DX2 | 253 | 1:1:1 Aqua Regia digestion 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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 2 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 001 | Soil | 0.4 | 32.5 | 5.4 | 62 | <0.1 | 27.3 | 12.2 | 612 | 2.69 | 1.7 | 0.9 | 1.9 | 124 | <0.1 | 0.2 | 0.1 | 67 | 0.71 | 0.032 | 12 |
| EH 002 | Soil | 0.4 | 33.3 | 5.0 | 64 | <0.1 | 27.9 | 12.8 | 617 | 2.81 | 1.1 | 1.3 | 1.9 | 123 | <0.1 | 0.1 | 0.1 | 75 | 0.72 | 0.039 | 13 |
| EH 003 | Soil | 0.5 | 50.7 | 5.5 | 53 | <0.1 | 37.6 | 14.6 | 505 | 3.47 | 1.9 | 3.3 | 2.4 | 132 | 0.1 | 0.2 | <0.1 | 79 | 0.81 | 0.035 | 16 |
| EH 004 | Soil | 0.3 | 33.9 | 5.9 | 65 | <0.1 | 25.7 | 11.5 | 575 | 2.62 | 1.5 | <0.5 | 2.3 | 108 | <0.1 | 0.2 | <0.1 | 64 | 0.66 | 0.026 | 14 |
| EH 005 | Soil | 0.5 | 45.6 | 5.4 | 61 | <0.1 | 33.4 | 14.6 | 642 | 3.16 | 1.4 | <0.5 | 2.1 | 116 | 0.1 | 0.2 | 0.1 | 78 | 0.79 | 0.021 | 15 |
| EH 006 | Soil | 0.3 | 33.1 | 6.5 | 69 | <0.1 | 24.8 | 12.4 | 729 | 2.69 | <0.5 | <0.5 | 2.2 | 118 | <0.1 | 0.1 | <0.1 | 71 | 0.72 | 0.028 | 13 |
| EH 007 | Soil | 0.3 | 31.2 | 5.9 | 79 | <0.1 | 23.7 | 11.9 | 786 | 2.69 | 2.0 | 0.6 | 2.0 | 109 | 0.1 | 0.2 | <0.1 | 64 | 0.78 | 0.031 | 11 |
| EH 008 | Soil | 0.3 | 30.1 | 4.4 | 58 | <0.1 | 13.7 | 9.7 | 621 | 2.27 | 4.2 | <0.5 | 2.5 | 62 | <0.1 | 0.2 | <0.1 | 53 | 0.63 | 0.023 | 16 |
| EH 009 | Soil | 0.4 | 30.5 | 7.2 | 48 | <0.1 | 12.3 | 9.0 | 679 | 2.06 | 4.5 | <0.5 | 3.4 | 37 | <0.1 | 0.3 | <0.1 | 40 | 0.74 | 0.048 | 23 |
| EH 010 | Soil | 0.1 | 33.8 | 4.4 | 61 | <0.1 | 14.9 | 11.3 | 591 | 2.97 | 2.2 | 0.6 | 1.8 | 50 | 0.1 | <0.1 | <0.1 | 79 | 0.68 | 0.062 | 17 |
| EH 011 | Soil | 0.3 | 47.4 | 5.8 | 64 | <0.1 | 27.8 | 13.1 | 567 | 3.15 | 1.7 | 2.1 | 2.2 | 128 | 0.1 | 0.2 | <0.1 | 77 | 0.74 | 0.027 | 15 |
| EH 012 | Soil | 0.3 | 27.7 | 4.9 | 56 | <0.1 | 21.8 | 12.0 | 729 | 2.50 | 1.1 | 0.8 | 1.9 | 139 | 0.1 | 0.2 | <0.1 | 77 | 0.69 | 0.014 | 14 |
| EH 013 | Soil | 0.4 | 24.1 | 4.7 | 51 | <0.1 | 18.4 | 8.7 | 470 | 2.23 | 1.4 | <0.5 | 1.6 | 129 | <0.1 | 0.1 | <0.1 | 68 | 0.61 | 0.015 | 11 |
| EH 014 | Soil | 0.2 | 23.5 | 4.3 | 57 | <0.1 | 15.7 | 7.7 | 375 | 2.24 | 1.7 | <0.5 | 1.6 | 136 | <0.1 | 0.1 | <0.1 | 72 | 0.59 | 0.016 | 11 |
| EH 015 | Soil | 0.2 | 46.1 | 6.4 | 52 | <0.1 | 26.7 | 12.6 | 599 | 2.92 | 2.2 | 3.0 | 2.9 | 141 | 0.1 | 0.2 | <0.1 | 70 | 0.85 | 0.035 | 20 |
| EH 016 | Soil | 0.4 | 33.1 | 5.3 | 60 | <0.1 | 23.2 | 11.8 | 612 | 2.71 | 0.9 | 1.1 | 2.1 | 140 | 0.1 | 0.1 | <0.1 | 71 | 0.75 | 0.024 | 15 |
| EH 017 | Soil | 0.3 | 28.7 | 5.0 | 60 | <0.1 | 21.3 | 11.0 | 660 | 2.56 | 1.1 | <0.5 | 1.9 | 137 | <0.1 | 0.1 | <0.1 | 63 | 0.69 | 0.021 | 14 |
| EH 018 | Soil | 0.3 | 36.7 | 5.3 | 51 | <0.1 | 26.4 | 13.0 | 596 | 2.81 | 0.9 | 0.6 | 2.1 | 122 | <0.1 | 0.1 | 0.2 | 74 | 0.75 | 0.019 | 14 |
| EH 019 | Soil | 0.3 | 48.1 | 5.8 | 61 | <0.1 | 40.4 | 17.4 | 729 | 3.64 | 1.5 | 0.9 | 2.5 | 165 | 0.1 | 0.1 | 0.1 | 82 | 0.86 | 0.031 | 18 |
| EH 020 | Soil | 0.4 | 48.8 | 4.8 | 65 | <0.1 | 30.7 | 13.4 | 641 | 2.74 | 3.0 | 4.0 | 1.4 | 159 | 0.1 | 0.2 | <0.1 | 77 | 2.67 | 0.131 | 13 |
| EH 021 | Soil | 0.3 | 44.6 | 5.2 | 63 | <0.1 | 30.1 | 14.8 | 764 | 3.06 | 1.9 | 1.2 | 2.2 | 145 | <0.1 | 0.1 | <0.1 | 85 | 1.01 | 0.046 | 15 |
| EH 022 | Soil | 0.4 | 37.8 | 5.8 | 58 | <0.1 | 30.0 | 13.8 | 602 | 2.88 | 1.9 | 0.9 | 2.1 | 272 | 0.1 | 0.1 | <0.1 | 78 | 1.00 | 0.046 | 16 |
| EH 023 | Soil | 0.3 | 43.2 | 5.1 | 64 | <0.1 | 27.5 | 13.3 | 676 | 3.00 | 1.6 | 1.7 | 2.0 | 137 | 0.1 | 0.1 | <0.1 | 80 | 0.84 | 0.028 | 15 |
| EH 024 | Soil | 0.2 | 37.5 | 5.0 | 51 | <0.1 | 23.8 | 13.0 | 664 | 2.76 | 0.9 | 0.7 | 2.7 | 130 | <0.1 | 0.1 | <0.1 | 67 | 1.06 | 0.038 | 18 |
| EH 025 | Soil | 0.3 | 36.7 | 5.1 | 61 | <0.1 | 26.5 | 13.2 | 735 | 2.87 | 0.6 | <0.5 | 2.2 | 128 | <0.1 | 0.1 | <0.1 | 73 | 0.77 | 0.035 | 16 |
| EH 026 | Soil | 0.4 | 34.8 | 5.7 | 83 | <0.1 | 24.8 | 13.3 | 886 | 2.67 | 1.0 | <0.5 | 2.0 | 108 | 0.2 | <0.1 | 0.1 | 72 | 0.89 | 0.055 | 12 |
| EH 027 | Soil | 0.4 | 33.2 | 4.6 | 76 | <0.1 | 24.0 | 13.3 | 860 | 2.52 | <0.5 | 0.8 | 2.3 | 88 | 0.1 | <0.1 | <0.1 | 70 | 0.87 | 0.028 | 12 |
| EH 028 | Soil | 0.4 | 39.5 | 4.8 | 55 | <0.1 | 30.2 | 14.9 | 557 | 3.43 | <0.5 | 1.3 | 2.7 | 96 | <0.1 | <0.1 | <0.1 | 92 | 0.96 | 0.034 | 18 |
| EH 029 | Soil | 0.5 | 29.2 | 5.2 | 67 | <0.1 | 25.0 | 12.6 | 689 | 2.58 | 0.7 | <0.5 | 1.9 | 92 | <0.1 | 0.1 | <0.1 | 65 | 0.82 | 0.027 | 14 |
| EH 030 | Soil | 0.4 | 33.7 | 5.2 | 71 | <0.1 | 26.7 | 12.7 | 724 | 2.80 | 1.0 | 1.8 | 2.0 | 120 | 0.2 | 0.2 | <0.1 | 73 | 0.79 | 0.025 | 15 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 2 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 001 | Soil | 32 | 0.64 | 143 | 0.144 | 7 | 2.13 | 0.036 | 0.40 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 002 | Soil | 33 | 0.67 | 138 | 0.146 | 6 | 2.14 | 0.041 | 0.33 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 003 | Soil | 44 | 0.82 | 135 | 0.137 | 7 | 2.70 | 0.040 | 0.38 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 004 | Soil | 29 | 0.56 | 135 | 0.141 | 5 | 1.94 | 0.037 | 0.40 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 5 | 0.8 | <0.2 |
| EH 005 | Soil | 39 | 0.77 | 129 | 0.146 | 5 | 2.40 | 0.037 | 0.31 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 006 | Soil | 28 | 0.59 | 138 | 0.157 | 4 | 2.11 | 0.040 | 0.40 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 007 | Soil | 30 | 0.63 | 139 | 0.146 | 9 | 2.15 | 0.036 | 0.42 | <0.1 | 0.03 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 008 | Soil | 18 | 0.42 | 125 | 0.058 | 7 | 1.78 | 0.024 | 0.19 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 009 | Soil | 15 | 0.38 | 89 | 0.027 | 7 | 1.45 | 0.015 | 0.19 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| EH 010 | Soil | 23 | 1.16 | 44 | 0.049 | 3 | 2.10 | 0.017 | 0.13 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 011 | Soil | 33 | 0.81 | 131 | 0.127 | 7 | 2.56 | 0.044 | 0.35 | <0.1 | 0.04 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 012 | Soil | 27 | 0.48 | 154 | 0.143 | 2 | 1.94 | 0.047 | 0.27 | <0.1 | 0.03 | 5.6 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| EH 013 | Soil | 23 | 0.45 | 130 | 0.167 | 4 | 1.63 | 0.049 | 0.25 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 014 | Soil | 22 | 0.44 | 145 | 0.153 | 7 | 1.50 | 0.048 | 0.30 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 015 | Soil | 26 | 0.77 | 145 | 0.096 | 12 | 2.42 | 0.040 | 0.35 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 016 | Soil | 27 | 0.64 | 134 | 0.129 | 10 | 2.10 | 0.045 | 0.36 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| EH 017 | Soil | 24 | 0.59 | 146 | 0.140 | 10 | 2.11 | 0.044 | 0.40 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 018 | Soil | 30 | 0.66 | 137 | 0.161 | 10 | 2.38 | 0.047 | 0.41 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| EH 019 | Soil | 34 | 1.09 | 148 | 0.111 | 10 | 3.37 | 0.048 | 0.54 | <0.1 | 0.02 | 10.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 020 | Soil | 27 | 1.06 | 122 | 0.119 | 20 | 2.16 | 0.050 | 0.53 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | 1.0 | <0.2 |
| EH 021 | Soil | 30 | 0.93 | 137 | 0.143 | 13 | 2.43 | 0.055 | 0.40 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 022 | Soil | 30 | 0.80 | 198 | 0.177 | 20 | 2.63 | 0.057 | 0.42 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| EH 023 | Soil | 31 | 0.78 | 132 | 0.141 | 18 | 2.32 | 0.048 | 0.40 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 024 | Soil | 23 | 0.82 | 118 | 0.110 | 24 | 2.33 | 0.045 | 0.55 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 025 | Soil | 29 | 0.75 | 131 | 0.141 | 14 | 2.41 | 0.046 | 0.49 | <0.1 | 0.03 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 026 | Soil | 27 | 0.71 | 131 | 0.143 | 21 | 2.52 | 0.050 | 0.57 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 027 | Soil | 24 | 0.64 | 108 | 0.160 | 5 | 2.29 | 0.071 | 0.31 | <0.1 | 0.02 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 028 | Soil | 32 | 1.17 | 92 | 0.174 | 3 | 3.24 | 0.065 | 0.20 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 8 | 0.7 | <0.2 |
| EH 029 | Soil | 27 | 0.67 | 114 | 0.128 | 4 | 2.27 | 0.046 | 0.27 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 030 | Soil | 32 | 0.59 | 149 | 0.152 | 4 | 2.35 | 0.041 | 0.34 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 3 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 031 | Soil | 0.4 | 32.7 | 5.2 | 69 | <0.1 | 24.8 | 13.5 | 727 | 2.77 | 0.7 | 1.2 | 2.0 | 133 | 0.1 | 0.2 | <0.1 | 79 | 0.69 | 0.039 | 14 |
| EH 032 | Soil | 0.4 | 33.6 | 5.6 | 79 | <0.1 | 25.4 | 14.5 | 817 | 2.71 | 0.9 | 0.8 | 2.6 | 97 | 0.1 | <0.1 | <0.1 | 77 | 0.93 | 0.032 | 14 |
| EH 033 | Soil | 0.4 | 37.1 | 5.9 | 70 | <0.1 | 28.1 | 13.9 | 635 | 3.00 | 1.1 | <0.5 | 2.2 | 103 | 0.1 | 0.1 | <0.1 | 69 | 0.82 | 0.040 | 14 |
| EH 034 | Soil | 0.5 | 39.8 | 5.6 | 77 | <0.1 | 27.6 | 15.5 | 689 | 3.03 | 1.6 | <0.5 | 2.3 | 124 | 0.2 | 0.2 | <0.1 | 85 | 0.74 | 0.022 | 17 |
| EH 035 | Soil | 0.3 | 37.1 | 5.1 | 76 | <0.1 | 27.8 | 12.7 | 680 | 2.78 | 0.9 | <0.5 | 2.0 | 105 | <0.1 | 0.1 | <0.1 | 67 | 0.76 | 0.031 | 14 |
| EH 036 | Soil | 0.5 | 45.5 | 5.3 | 70 | <0.1 | 30.9 | 13.6 | 491 | 3.28 | 0.7 | <0.5 | 2.4 | 129 | 0.1 | 0.2 | <0.1 | 81 | 0.84 | 0.035 | 13 |
| EH 037 | Soil | 0.4 | 38.8 | 5.1 | 74 | <0.1 | 27.3 | 12.7 | 526 | 2.74 | 1.0 | 4.4 | 2.1 | 100 | 0.1 | 0.2 | 0.2 | 68 | 0.75 | 0.038 | 15 |
| EH 038 | Soil | 0.8 | 28.5 | 5.7 | 63 | <0.1 | 24.1 | 12.8 | 662 | 2.37 | 0.9 | 5.3 | 2.1 | 84 | 0.2 | 0.2 | 0.2 | 57 | 0.59 | 0.023 | 13 |
| EH 039 | Soil | 0.5 | 29.7 | 5.2 | 69 | <0.1 | 21.1 | 10.1 | 565 | 2.32 | 1.2 | 1.4 | 1.7 | 82 | 0.1 | 0.2 | <0.1 | 53 | 0.67 | 0.027 | 12 |
| EH 040 | Soil | 0.5 | 35.6 | 5.2 | 90 | <0.1 | 26.2 | 14.2 | 991 | 2.96 | 1.8 | 10.1 | 1.8 | 107 | 0.3 | 0.4 | <0.1 | 68 | 0.94 | 0.044 | 14 |
| EH 041 | Soil | 0.4 | 30.6 | 4.9 | 75 | <0.1 | 26.5 | 13.2 | 840 | 2.63 | 1.1 | 0.8 | 2.1 | 89 | 0.4 | 0.4 | 0.1 | 63 | 0.68 | 0.032 | 12 |
| EH 042 | Soil | 0.2 | 41.4 | 2.8 | 50 | <0.1 | 28.1 | 14.5 | 405 | 3.45 | <0.5 | 0.9 | 3.3 | 71 | 0.4 | 0.3 | <0.1 | 78 | 0.80 | 0.021 | 17 |
| EH 043 | Soil | 0.3 | 30.1 | 5.0 | 75 | <0.1 | 25.5 | 14.2 | 925 | 2.68 | <0.5 | 1.3 | 2.2 | 111 | 0.2 | 0.3 | <0.1 | 67 | 0.79 | 0.023 | 18 |
| EH 044 | Soil | 0.4 | 32.6 | 5.2 | 74 | <0.1 | 29.0 | 14.0 | 829 | 2.74 | 1.2 | <0.5 | 1.9 | 104 | 0.5 | 0.4 | 0.2 | 63 | 0.83 | 0.036 | 18 |
| EH 045 | Soil | 0.6 | 39.9 | 3.8 | 92 | <0.1 | 58.4 | 19.0 | 761 | 4.13 | 0.7 | <0.5 | 1.4 | 151 | <0.1 | <0.1 | <0.1 | 69 | 0.91 | 0.037 | 16 |
| EH 046 | Soil | 0.4 | 38.8 | 3.6 | 95 | <0.1 | 74.4 | 22.6 | 800 | 4.45 | 0.6 | <0.5 | 1.5 | 154 | 0.3 | 0.2 | 0.2 | 72 | 0.93 | 0.063 | 16 |
| EH 047 | Soil | 0.1 | 52.9 | 4.0 | 70 | <0.1 | 93.9 | 27.1 | 505 | 5.72 | <0.5 | <0.5 | 1.8 | 188 | 0.2 | 0.2 | <0.1 | 92 | 1.09 | 0.063 | 14 |
| EH 048 | Soil | 0.2 | 43.2 | 3.9 | 86 | <0.1 | 75.2 | 23.4 | 743 | 4.68 | <0.5 | <0.5 | 1.5 | 110 | 0.2 | 0.2 | <0.1 | 82 | 0.86 | 0.046 | 17 |
| EH 049 | Soil | 0.2 | 37.8 | 4.0 | 77 | <0.1 | 67.3 | 22.0 | 792 | 4.51 | <0.5 | <0.5 | 1.6 | 83 | 0.2 | <0.1 | <0.1 | 86 | 0.76 | 0.040 | 16 |
| EH 050 | Soil | 0.1 | 44.6 | 3.5 | 67 | <0.1 | 78.7 | 22.1 | 593 | 4.91 | <0.5 | <0.5 | 1.5 | 75 | 0.1 | 0.1 | <0.1 | 96 | 0.79 | 0.032 | 14 |
| S-P7E 001 | Rock Pulp | 6.8 | 46.5 | 5.3 | 52 | 0.5 | 32.8 | 14.0 | 504 | 3.11 | 6.4 | 662.5 | 1.4 | 45 | 0.4 | 1.3 | 0.1 | 66 | 0.86 | 0.058 | 7 |
| EH 051 | Soil | 0.2 | 43.9 | 3.0 | 61 | <0.1 | 89.3 | 25.1 | 479 | 4.08 | <0.5 | 1.9 | 1.5 | 77 | <0.1 | <0.1 | <0.1 | 101 | 0.92 | 0.116 | 13 |
| EH 052 | Soil | <0.1 | 44.9 | 3.2 | 58 | <0.1 | 83.3 | 23.4 | 480 | 4.31 | <0.5 | 1.3 | 2.1 | 106 | <0.1 | <0.1 | <0.1 | 76 | 0.74 | 0.037 | 18 |
| EH 053 | Soil | 0.3 | 58.1 | 6.0 | 74 | <0.1 | 63.2 | 22.5 | 536 | 4.17 | <0.5 | 3.3 | 1.9 | 106 | 0.1 | 0.2 | <0.1 | 129 | 0.88 | 0.120 | 13 |
| EH 054 | Soil | 0.2 | 41.4 | 4.8 | 54 | <0.1 | 66.8 | 16.2 | 457 | 3.37 | <0.5 | 1.7 | 2.6 | 57 | 0.1 | 0.2 | <0.1 | 113 | 0.70 | 0.084 | 17 |
| EH 055 | Soil | 0.4 | 56.1 | 5.6 | 57 | 0.1 | 102.9 | 25.3 | 611 | 4.70 | <0.5 | 2.8 | 2.3 | 75 | <0.1 | 0.1 | <0.1 | 86 | 0.86 | 0.096 | 14 |
| EH 056 | Soil | 0.3 | 34.0 | 4.2 | 76 | <0.1 | 67.5 | 19.9 | 697 | 4.00 | <0.5 | <0.5 | 1.8 | 57 | 0.2 | 0.2 | <0.1 | 89 | 0.59 | 0.037 | 15 |
| EH 057 | Soil | 0.2 | 35.7 | 3.9 | 83 | <0.1 | 61.8 | 18.3 | 567 | 4.18 | <0.5 | <0.5 | 1.8 | 93 | 0.2 | 0.1 | <0.1 | 78 | 0.67 | 0.026 | 14 |
| EH 058 | Soil | 0.3 | 31.4 | 4.5 | 109 | <0.1 | 51.5 | 19.7 | 971 | 3.92 | 0.5 | <0.5 | 1.4 | 69 | 0.2 | 0.2 | <0.1 | 97 | 0.65 | 0.031 | 12 |
| EH 059 | Soil | 0.5 | 36.1 | 4.7 | 79 | <0.1 | 62.8 | 20.1 | 657 | 4.24 | 1.0 | 1.6 | 1.5 | 116 | 0.1 | 0.3 | <0.1 | 87 | 0.99 | 0.040 | 14 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 3 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 031 | Soil | 29 | 0.54 | 166 | 0.157 | 4 | 2.13 | 0.040 | 0.34 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 032 | Soil | 28 | 0.68 | 117 | 0.162 | 6 | 2.56 | 0.066 | 0.33 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| EH 033 | Soil | 34 | 0.78 | 137 | 0.136 | 8 | 2.80 | 0.040 | 0.39 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 034 | Soil | 33 | 0.74 | 172 | 0.160 | <1 | 2.83 | 0.046 | 0.22 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 035 | Soil | 33 | 0.64 | 141 | 0.135 | 8 | 2.49 | 0.043 | 0.34 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 036 | Soil | 40 | 0.68 | 162 | 0.152 | 2 | 2.88 | 0.048 | 0.39 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 037 | Soil | 28 | 0.58 | 125 | 0.115 | 6 | 2.43 | 0.037 | 0.32 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 038 | Soil | 26 | 0.52 | 136 | 0.121 | 4 | 2.10 | 0.041 | 0.22 | <0.1 | 0.01 | 7.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 039 | Soil | 26 | 0.52 | 137 | 0.117 | 6 | 2.19 | 0.025 | 0.25 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 040 | Soil | 28 | 0.75 | 173 | 0.132 | 7 | 2.45 | 0.029 | 0.29 | <0.1 | 0.04 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 041 | Soil | 26 | 0.55 | 140 | 0.153 | 6 | 2.17 | 0.035 | 0.39 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 042 | Soil | 18 | 0.82 | 49 | 0.170 | 2 | 2.18 | 0.079 | 0.10 | <0.1 | 0.01 | 9.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 043 | Soil | 23 | 0.58 | 147 | 0.124 | 4 | 2.25 | 0.049 | 0.19 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 044 | Soil | 31 | 0.78 | 133 | 0.089 | 8 | 2.68 | 0.031 | 0.34 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 045 | Soil | 60 | 1.22 | 92 | 0.199 | 7 | 2.94 | 0.032 | 0.40 | <0.1 | 0.02 | 9.0 | 0.1 | <0.05 | 7 | 0.7 | <0.2 |
| EH 046 | Soil | 57 | 1.46 | 85 | 0.207 | 6 | 2.96 | 0.043 | 0.18 | <0.1 | 0.01 | 10.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 047 | Soil | 75 | 2.08 | 88 | 0.219 | 3 | 2.87 | 0.044 | 0.18 | <0.1 | 0.01 | 15.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 048 | Soil | 47 | 1.28 | 92 | 0.218 | 4 | 2.66 | 0.043 | 0.24 | <0.1 | 0.01 | 10.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 049 | Soil | 47 | 1.22 | 80 | 0.228 | 3 | 2.47 | 0.051 | 0.16 | <0.1 | 0.01 | 11.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 050 | Soil | 53 | 1.49 | 60 | 0.340 | 1 | 2.49 | 0.050 | 0.11 | <0.1 | <0.01 | 13.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| S-P7E 001 | Rock Pulp | 37 | 0.75 | 148 | 0.149 | 6 | 1.54 | 0.123 | 0.15 | 27.0 | 0.06 | 5.7 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH 051 | Soil | 39 | 1.99 | 48 | 0.223 | 2 | 1.72 | 0.043 | 0.08 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 052 | Soil | 51 | 1.63 | 75 | 0.217 | 2 | 1.96 | 0.043 | 0.17 | <0.1 | 0.02 | 10.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 053 | Soil | 38 | 1.80 | 77 | 0.177 | 4 | 1.69 | 0.080 | 0.18 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 054 | Soil | 51 | 1.33 | 41 | 0.220 | 1 | 1.51 | 0.068 | 0.05 | <0.1 | <0.01 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 055 | Soil | 53 | 2.50 | 56 | 0.189 | 2 | 1.97 | 0.051 | 0.09 | <0.1 | <0.01 | 9.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 056 | Soil | 60 | 0.93 | 69 | 0.233 | 4 | 2.10 | 0.037 | 0.17 | <0.1 | 0.01 | 11.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 057 | Soil | 54 | 0.98 | 91 | 0.229 | 2 | 2.61 | 0.040 | 0.17 | <0.1 | 0.01 | 12.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 058 | Soil | 53 | 0.76 | 87 | 0.286 | 3 | 2.23 | 0.043 | 0.20 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 059 | Soil | 46 | 1.05 | 115 | 0.241 | 4 | 3.00 | 0.042 | 0.20 | <0.1 | 0.02 | 10.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 4 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 060 | Soil | 0.3 | 44.0 | 2.8 | 67 | <0.1 | 87.8 | 26.6 | 660 | 5.11 | <0.5 | <0.5 | 1.5 | 72 | <0.1 | <0.1 | <0.1 | 91 | 0.84 | 0.088 | 15 |
| EH 061 | Soil | 0.3 | 35.2 | 2.9 | 80 | <0.1 | 58.8 | 18.0 | 476 | 4.06 | <0.5 | 0.7 | 1.4 | 76 | 0.2 | 0.2 | <0.1 | 75 | 0.69 | 0.047 | 13 |
| EH 062 | Soil | 0.4 | 30.1 | 4.6 | 67 | <0.1 | 33.3 | 14.7 | 580 | 3.27 | 0.6 | <0.5 | 1.7 | 96 | <0.1 | <0.1 | <0.1 | 70 | 0.72 | 0.033 | 13 |
| EH 063 | Soil | 0.3 | 50.4 | 3.2 | 85 | <0.1 | 83.6 | 29.6 | 923 | 6.00 | 0.7 | <0.5 | 0.8 | 76 | 0.2 | 0.2 | <0.1 | 70 | 1.04 | 0.152 | 13 |
| EH 064 | Soil | 0.4 | 44.0 | 5.3 | 64 | <0.1 | 34.6 | 14.0 | 471 | 3.34 | 1.4 | 0.9 | 2.2 | 97 | 0.2 | 0.3 | <0.1 | 75 | 0.78 | 0.034 | 15 |
| EH 065 | Soil | 0.2 | 35.9 | 4.7 | 56 | <0.1 | 24.9 | 10.4 | 464 | 2.89 | 0.8 | <0.5 | 2.3 | 165 | 0.1 | 0.2 | <0.1 | 63 | 0.78 | 0.028 | 14 |
| EH 066 | Soil | 0.3 | 34.6 | 5.2 | 69 | <0.1 | 23.8 | 11.6 | 519 | 3.01 | 1.4 | 0.9 | 2.2 | 140 | 0.1 | 0.2 | <0.1 | 68 | 0.75 | 0.033 | 16 |
| EH 067 | Soil | 0.4 | 26.0 | 5.2 | 59 | <0.1 | 22.4 | 12.2 | 640 | 2.34 | 0.9 | <0.5 | 1.8 | 114 | 0.2 | 0.3 | <0.1 | 61 | 0.65 | 0.025 | 15 |
| EH 068 | Soil | 0.3 | 33.9 | 4.6 | 68 | <0.1 | 27.7 | 13.1 | 481 | 2.74 | 0.9 | <0.5 | 2.3 | 118 | 0.2 | 0.2 | <0.1 | 59 | 0.68 | 0.024 | 16 |
| EH 069 | Soil | 0.3 | 27.7 | 4.6 | 61 | <0.1 | 21.0 | 10.0 | 445 | 2.51 | 0.6 | 1.5 | 1.7 | 106 | 0.1 | 0.2 | <0.1 | 66 | 0.66 | 0.029 | 11 |
| EH 070 | Soil | 0.3 | 27.7 | 4.7 | 64 | <0.1 | 24.1 | 11.6 | 657 | 2.53 | 0.9 | 0.7 | 1.9 | 92 | 0.2 | 0.2 | <0.1 | 69 | 0.74 | 0.027 | 14 |
| EH 071 | Soil | 0.2 | 44.6 | 4.4 | 53 | <0.1 | 36.7 | 13.8 | 433 | 3.17 | 1.5 | <0.5 | 2.5 | 147 | 0.2 | 0.2 | <0.1 | 75 | 0.88 | 0.025 | 14 |
| EH 072 | Soil | 0.2 | 42.6 | 5.2 | 55 | <0.1 | 43.5 | 17.9 | 701 | 3.24 | 2.7 | 0.8 | 2.4 | 163 | <0.1 | <0.1 | 0.1 | 76 | 1.09 | 0.026 | 9 |
| EH 073 | Soil | 0.4 | 33.7 | 5.1 | 57 | <0.1 | 33.5 | 13.7 | 547 | 2.92 | 2.2 | 2.1 | 2.4 | 152 | <0.1 | <0.1 | 0.1 | 71 | 0.81 | 0.016 | 11 |
| EH 074 | Soil | 0.3 | 35.8 | 5.7 | 61 | <0.1 | 47.1 | 20.0 | 727 | 3.19 | 2.2 | <0.5 | 2.4 | 197 | 0.2 | <0.1 | 0.1 | 75 | 1.00 | 0.030 | 9 |
| EH 075 | Soil | 0.2 | 37.6 | 5.4 | 74 | <0.1 | 20.5 | 15.2 | 869 | 3.11 | 2.0 | 0.7 | 1.8 | 128 | 0.1 | 0.1 | <0.1 | 79 | 0.76 | 0.023 | 11 |
| EH 076 | Soil | 0.3 | 45.5 | 4.8 | 50 | <0.1 | 36.0 | 12.9 | 406 | 3.49 | 2.1 | <0.5 | 2.7 | 152 | 0.1 | 0.1 | <0.1 | 68 | 0.84 | 0.031 | 13 |
| EH 077 | Soil | 0.3 | 38.5 | 4.8 | 53 | <0.1 | 28.8 | 11.5 | 511 | 2.84 | 1.5 | 0.9 | 2.5 | 121 | <0.1 | 0.1 | <0.1 | 62 | 0.72 | 0.022 | 13 |
| EH 078 | Soil | 0.3 | 35.1 | 5.5 | 73 | <0.1 | 25.8 | 13.5 | 905 | 2.70 | 2.7 | <0.5 | 2.1 | 134 | 0.2 | 0.2 | <0.1 | 69 | 0.80 | 0.017 | 15 |
| EH 079 | Soil | 0.3 | 36.7 | 5.3 | 66 | <0.1 | 27.6 | 11.5 | 633 | 2.78 | 1.8 | <0.5 | 2.0 | 119 | <0.1 | 0.1 | <0.1 | 67 | 0.78 | 0.027 | 13 |
| EH 080 | Soil | 0.3 | 40.2 | 5.6 | 62 | <0.1 | 32.7 | 13.4 | 621 | 2.99 | 2.0 | <0.5 | 2.2 | 122 | 0.1 | 0.1 | <0.1 | 72 | 0.75 | 0.021 | 14 |
| EH 081 | Soil | 0.4 | 41.3 | 4.9 | 59 | <0.1 | 25.2 | 12.5 | 593 | 2.94 | 2.1 | <0.5 | 2.1 | 130 | 0.1 | 0.1 | <0.1 | 65 | 0.89 | 0.028 | 18 |
| EH 082 | Soil | 0.5 | 38.2 | 5.1 | 75 | <0.1 | 26.3 | 13.2 | 850 | 2.95 | 2.0 | <0.5 | 2.2 | 120 | 0.1 | 0.1 | <0.1 | 71 | 0.76 | 0.028 | 17 |
| EH 083 | Soil | 0.4 | 35.8 | 5.3 | 65 | <0.1 | 23.8 | 11.9 | 637 | 3.02 | 2.7 | 1.2 | 2.3 | 129 | 0.1 | 0.2 | 0.2 | 77 | 0.82 | 0.026 | 17 |
| EH 084 | Soil | 0.4 | 41.1 | 5.3 | 73 | <0.1 | 30.4 | 13.4 | 626 | 3.20 | 3.0 | 0.8 | 2.1 | 114 | 0.1 | 0.2 | 0.1 | 76 | 0.78 | 0.025 | 16 |
| EH 085 | Soil | 0.4 | 42.0 | 5.3 | 78 | <0.1 | 27.4 | 14.4 | 658 | 2.97 | 3.2 | 0.7 | 2.0 | 132 | 0.1 | 0.1 | <0.1 | 81 | 0.96 | 0.029 | 14 |
| EH 086 | Soil | 0.4 | 34.9 | 5.7 | 94 | <0.1 | 23.0 | 13.0 | 707 | 2.36 | 7.9 | 3.6 | 1.1 | 163 | 0.2 | <0.1 | <0.1 | 78 | 1.24 | 0.049 | 13 |
| EH 087 | Soil | 0.2 | 29.4 | 5.5 | 79 | <0.1 | 20.5 | 11.5 | 562 | 2.39 | 4.8 | <0.5 | 1.6 | 147 | <0.1 | <0.1 | <0.1 | 70 | 0.96 | 0.021 | 12 |
| EH 088 | Soil | 0.3 | 43.9 | 5.8 | 62 | <0.1 | 27.2 | 13.5 | 627 | 3.38 | 2.3 | <0.5 | 2.6 | 144 | 0.1 | 0.1 | <0.1 | 80 | 0.83 | 0.028 | 16 |
| EH 089 | Soil | 0.4 | 32.4 | 4.4 | 64 | <0.1 | 23.3 | 11.8 | 588 | 2.73 | 1.9 | <0.5 | 1.7 | 113 | 0.1 | 0.1 | <0.1 | 78 | 0.72 | 0.033 | 13 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 4 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 060 | Soil | 45 | 2.09 | 43 | 0.195 | 2 | 2.31 | 0.067 | 0.07 | <0.1 | <0.01 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 061 | Soil | 44 | 0.99 | 66 | 0.181 | 4 | 2.29 | 0.051 | 0.22 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 062 | Soil | 43 | 0.84 | 147 | 0.179 | 5 | 2.58 | 0.037 | 0.29 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 063 | Soil | 95 | 2.82 | 47 | 0.108 | 4 | 3.00 | 0.039 | 0.24 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 064 | Soil | 41 | 0.74 | 121 | 0.140 | 6 | 2.78 | 0.036 | 0.32 | <0.1 | 0.01 | 9.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 065 | Soil | 27 | 0.72 | 170 | 0.115 | 6 | 2.45 | 0.041 | 0.32 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 066 | Soil | 29 | 0.56 | 162 | 0.131 | 5 | 2.72 | 0.045 | 0.28 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 067 | Soil | 26 | 0.43 | 162 | 0.146 | 3 | 2.04 | 0.042 | 0.23 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 068 | Soil | 30 | 0.55 | 142 | 0.131 | 3 | 2.44 | 0.037 | 0.24 | <0.1 | 0.01 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 069 | Soil | 28 | 0.45 | 133 | 0.150 | 5 | 1.96 | 0.035 | 0.31 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 070 | Soil | 28 | 0.60 | 118 | 0.142 | 5 | 2.31 | 0.035 | 0.27 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 071 | Soil | 51 | 1.16 | 138 | 0.255 | 6 | 2.65 | 0.059 | 0.25 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 072 | Soil | 66 | 1.27 | 140 | 0.282 | 4 | 2.31 | 0.054 | 0.22 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 073 | Soil | 45 | 0.87 | 150 | 0.237 | 1 | 2.22 | 0.054 | 0.25 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 074 | Soil | 84 | 1.68 | 169 | 0.271 | 5 | 2.23 | 0.055 | 0.23 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 075 | Soil | 19 | 0.88 | 130 | 0.232 | 3 | 2.12 | 0.045 | 0.26 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 076 | Soil | 42 | 0.77 | 128 | 0.174 | 4 | 2.61 | 0.046 | 0.28 | <0.1 | 0.02 | 11.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 077 | Soil | 31 | 0.73 | 121 | 0.165 | 2 | 2.13 | 0.047 | 0.30 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 078 | Soil | 29 | 0.61 | 148 | 0.146 | 4 | 2.26 | 0.045 | 0.30 | <0.1 | 0.03 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 079 | Soil | 32 | 0.68 | 143 | 0.172 | 7 | 2.43 | 0.041 | 0.43 | <0.1 | 0.01 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 080 | Soil | 37 | 0.74 | 142 | 0.185 | 4 | 2.58 | 0.041 | 0.35 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 081 | Soil | 27 | 0.71 | 121 | 0.142 | 8 | 2.35 | 0.042 | 0.35 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 082 | Soil | 29 | 0.65 | 146 | 0.126 | 9 | 2.21 | 0.036 | 0.40 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 083 | Soil | 27 | 0.63 | 132 | 0.137 | 7 | 2.52 | 0.047 | 0.33 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 084 | Soil | 37 | 0.74 | 134 | 0.161 | 7 | 2.79 | 0.043 | 0.35 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 085 | Soil | 28 | 1.01 | 125 | 0.151 | 12 | 2.45 | 0.068 | 0.34 | <0.1 | 0.01 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 086 | Soil | 28 | 0.98 | 140 | 0.129 | 16 | 2.36 | 0.083 | 0.25 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 087 | Soil | 26 | 1.02 | 110 | 0.149 | 15 | 2.14 | 0.120 | 0.30 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 088 | Soil | 30 | 0.77 | 138 | 0.151 | 13 | 2.88 | 0.046 | 0.47 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 089 | Soil | 26 | 0.57 | 122 | 0.146 | 14 | 2.04 | 0.044 | 0.32 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 5 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|-----------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 090 | Soil | | 0.2 | 38.7 | 5.1 | 54 | <0.1 | 25.4 | 13.5 | 693 | 2.97 | 2.3 | 1.8 | 2.1 | 165 | <0.1 | 0.2 | <0.1 | 76 | 0.90 | 0.039 | 16 |
| EH 091 | Soil | | 0.5 | 31.8 | 5.6 | 63 | <0.1 | 23.5 | 13.0 | 708 | 2.76 | 2.1 | <0.5 | 2.2 | 124 | <0.1 | 0.2 | <0.1 | 64 | 0.74 | 0.022 | 15 |
| EH 092 | Soil | | 0.4 | 26.4 | 5.3 | 63 | <0.1 | 20.1 | 10.3 | 642 | 2.27 | 1.8 | <0.5 | 1.7 | 105 | <0.1 | <0.1 | <0.1 | 61 | 0.66 | 0.021 | 12 |
| EH 093 | Soil | | 0.3 | 24.6 | 4.4 | 63 | <0.1 | 17.1 | 9.2 | 521 | 2.25 | 1.8 | <0.5 | 1.6 | 115 | 0.1 | 0.1 | <0.1 | 64 | 0.66 | 0.020 | 12 |
| EH 094 | Soil | | 0.2 | 21.7 | 4.3 | 60 | <0.1 | 14.1 | 7.7 | 359 | 2.25 | 1.9 | <0.5 | 1.5 | 108 | <0.1 | <0.1 | <0.1 | 56 | 0.58 | 0.017 | 10 |
| EH 095 | Soil | | 0.3 | 29.8 | 4.2 | 57 | <0.1 | 16.9 | 9.1 | 410 | 2.57 | 2.0 | 1.9 | 1.9 | 109 | <0.1 | 0.1 | 0.1 | 63 | 0.62 | 0.018 | 11 |
| EH 096 | Soil | | 0.3 | 51.9 | 4.8 | 55 | <0.1 | 24.3 | 11.2 | 441 | 3.31 | 2.1 | <0.5 | 2.7 | 157 | 0.1 | 0.1 | <0.1 | 76 | 1.07 | 0.042 | 16 |
| EH 097 | Soil | | 0.3 | 34.2 | 4.8 | 79 | <0.1 | 20.2 | 10.3 | 501 | 2.78 | 2.0 | <0.5 | 1.9 | 125 | <0.1 | 0.1 | <0.1 | 75 | 0.79 | 0.054 | 14 |
| EH 098 | Soil | | 0.3 | 33.6 | 5.4 | 80 | <0.1 | 19.8 | 12.0 | 790 | 2.67 | 3.3 | 4.5 | 2.2 | 92 | 0.2 | 0.1 | <0.1 | 67 | 0.84 | 0.039 | 15 |
| EH 099 | Soil | | 0.3 | 33.0 | 5.3 | 78 | <0.1 | 20.7 | 10.5 | 534 | 2.73 | 3.7 | <0.5 | 2.2 | 108 | 0.1 | 0.2 | <0.1 | 60 | 0.84 | 0.066 | 13 |
| EH 100 | Soil | | 0.3 | 31.5 | 5.5 | 59 | <0.1 | 22.1 | 10.2 | 541 | 2.58 | 1.9 | 3.9 | 2.2 | 119 | <0.1 | 0.2 | <0.1 | 63 | 0.70 | 0.019 | 14 |
| S-P7E 002 | Rock Pulp | | 7.3 | 49.1 | 5.5 | 55 | 0.5 | 33.5 | 14.3 | 523 | 3.20 | 7.2 | 742.4 | 1.6 | 49 | 0.3 | 1.1 | 0.1 | 67 | 0.98 | 0.060 | 7 |
| EH 101 | Soil | | 0.5 | 40.4 | 5.9 | 75 | <0.1 | 39.1 | 16.7 | 844 | 2.97 | 1.6 | <0.5 | 2.2 | 128 | 0.1 | 0.1 | <0.1 | 88 | 0.97 | 0.038 | 11 |
| EH 102 | Soil | | 0.4 | 39.8 | 6.5 | 63 | <0.1 | 38.9 | 16.8 | 763 | 2.94 | 2.3 | <0.5 | 1.8 | 125 | <0.1 | 0.1 | <0.1 | 83 | 0.98 | 0.047 | 9 |
| EH 103 | Soil | | 0.4 | 42.3 | 4.5 | 63 | <0.1 | 35.8 | 13.5 | 501 | 3.24 | 1.9 | <0.5 | 2.7 | 104 | 0.1 | <0.1 | <0.1 | 67 | 0.82 | 0.024 | 13 |
| EH 104 | Soil | | 0.3 | 37.4 | 4.0 | 61 | <0.1 | 32.5 | 12.5 | 509 | 2.93 | 1.8 | <0.5 | 2.5 | 125 | <0.1 | 0.1 | <0.1 | 68 | 0.90 | 0.026 | 11 |
| EH 105 | Soil | | 0.2 | 45.4 | 4.0 | 56 | <0.1 | 41.2 | 16.6 | 539 | 3.45 | 1.4 | <0.5 | 2.8 | 145 | 0.1 | <0.1 | <0.1 | 80 | 1.09 | 0.025 | 12 |
| EH 106 | Soil | | 0.4 | 44.1 | 7.9 | 68 | <0.1 | 47.3 | 19.6 | 840 | 3.51 | 2.1 | <0.5 | 2.7 | 176 | 0.2 | 0.1 | <0.1 | 74 | 1.21 | 0.039 | 10 |
| EH 107 | Soil | | 0.2 | 54.4 | 4.4 | 47 | <0.1 | 40.3 | 14.0 | 385 | 3.66 | 0.6 | 1.0 | 3.0 | 169 | <0.1 | <0.1 | 0.1 | 73 | 1.02 | 0.030 | 15 |
| EH 108 | Soil | | 0.2 | 33.7 | 4.6 | 50 | <0.1 | 36.1 | 13.2 | 432 | 2.88 | 0.7 | 1.0 | 2.6 | 194 | <0.1 | <0.1 | <0.1 | 67 | 0.80 | 0.024 | 10 |
| EH 109 | Soil | | 0.3 | 34.4 | 4.6 | 58 | <0.1 | 31.9 | 13.8 | 613 | 2.68 | 0.9 | <0.5 | 2.4 | 129 | <0.1 | <0.1 | <0.1 | 72 | 0.68 | 0.017 | 13 |
| EH 110 | Soil | | 0.4 | 39.1 | 6.9 | 56 | <0.1 | 25.8 | 11.7 | 456 | 2.90 | 2.6 | <0.5 | 2.8 | 123 | <0.1 | 0.2 | 0.1 | 57 | 0.73 | 0.037 | 17 |
| EH 111 | Soil | | 0.4 | 42.5 | 5.7 | 65 | <0.1 | 28.9 | 11.4 | 455 | 2.96 | 1.6 | <0.5 | 2.0 | 125 | 0.2 | 0.2 | <0.1 | 72 | 0.76 | 0.045 | 13 |
| EH 112 | Soil | | 0.4 | 32.5 | 5.0 | 59 | <0.1 | 21.8 | 10.4 | 451 | 2.73 | 1.6 | 0.9 | 2.0 | 100 | <0.1 | 0.2 | <0.1 | 67 | 0.72 | 0.022 | 14 |
| EH 113 | Soil | | 0.3 | 43.1 | 5.7 | 71 | <0.1 | 28.1 | 12.9 | 457 | 3.15 | 0.9 | 2.1 | 2.1 | 119 | <0.1 | 0.1 | <0.1 | 79 | 0.71 | 0.023 | 14 |
| EH 114 | Soil | | 0.3 | 39.9 | 5.4 | 63 | <0.1 | 26.1 | 12.5 | 553 | 2.90 | 1.4 | <0.5 | 1.9 | 119 | <0.1 | 0.1 | <0.1 | 72 | 0.71 | 0.027 | 16 |
| EH 115 | Soil | | 0.3 | 48.0 | 5.6 | 72 | <0.1 | 30.7 | 14.4 | 699 | 3.33 | 1.6 | 0.9 | 2.1 | 133 | 0.2 | 0.1 | <0.1 | 77 | 0.79 | 0.026 | 18 |
| EH 116 | Soil | | 0.4 | 45.8 | 5.6 | 64 | <0.1 | 28.5 | 12.8 | 451 | 3.34 | 1.8 | 1.2 | 2.2 | 125 | 0.1 | 0.1 | <0.1 | 73 | 0.90 | 0.031 | 15 |
| EH 117 | Soil | | 0.6 | 59.0 | 4.6 | 58 | <0.1 | 27.0 | 15.7 | 764 | 3.72 | 3.8 | 0.9 | 2.3 | 87 | 0.2 | 0.1 | <0.1 | 88 | 1.03 | 0.044 | 18 |
| EH 118 | Soil | | 0.3 | 48.2 | 5.3 | 63 | <0.1 | 26.1 | 13.1 | 494 | 3.21 | 3.4 | <0.5 | 2.5 | 121 | 0.3 | 0.1 | <0.1 | 71 | 0.85 | 0.026 | 17 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 5 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 090 | Soil | 26 | 0.73 | 145 | 0.110 | 6 | 2.30 | 0.055 | 0.22 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| EH 091 | Soil | 27 | 0.59 | 141 | 0.148 | 5 | 2.35 | 0.043 | 0.30 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 092 | Soil | 26 | 0.49 | 135 | 0.165 | 4 | 1.89 | 0.041 | 0.26 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 093 | Soil | 24 | 0.46 | 127 | 0.166 | 6 | 1.75 | 0.045 | 0.28 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 094 | Soil | 20 | 0.49 | 111 | 0.156 | 5 | 1.74 | 0.037 | 0.28 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 095 | Soil | 24 | 0.54 | 110 | 0.162 | 5 | 1.98 | 0.039 | 0.26 | <0.1 | <0.01 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 096 | Soil | 30 | 0.79 | 105 | 0.160 | 7 | 2.63 | 0.047 | 0.32 | <0.1 | 0.02 | 10.5 | <0.1 | <0.05 | 8 | 0.5 | <0.2 |
| EH 097 | Soil | 28 | 0.63 | 133 | 0.160 | 5 | 2.27 | 0.050 | 0.21 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 098 | Soil | 30 | 0.70 | 139 | 0.132 | 5 | 2.57 | 0.039 | 0.27 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 099 | Soil | 29 | 0.62 | 144 | 0.133 | 6 | 2.94 | 0.038 | 0.28 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 100 | Soil | 30 | 0.57 | 155 | 0.183 | 5 | 2.14 | 0.047 | 0.30 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| S-P7E 002 | Rock Pulp | 41 | 0.79 | 149 | 0.156 | 4 | 1.65 | 0.126 | 0.16 | 26.9 | 0.06 | 5.9 | <0.1 | 0.06 | 5 | 0.9 | <0.2 |
| EH 101 | Soil | 51 | 1.05 | 137 | 0.272 | 3 | 2.28 | 0.044 | 0.29 | <0.1 | 0.04 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 102 | Soil | 57 | 1.16 | 132 | 0.272 | 1 | 2.11 | 0.050 | 0.21 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 103 | Soil | 51 | 0.85 | 120 | 0.154 | 7 | 2.88 | 0.044 | 0.41 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 104 | Soil | 50 | 0.90 | 124 | 0.175 | 5 | 2.44 | 0.047 | 0.42 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 105 | Soil | 63 | 1.43 | 119 | 0.182 | 5 | 2.85 | 0.071 | 0.26 | <0.1 | 0.01 | 10.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 106 | Soil | 74 | 1.50 | 151 | 0.236 | 10 | 2.75 | 0.063 | 0.38 | <0.1 | 0.03 | 10.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 107 | Soil | 66 | 1.21 | 135 | 0.214 | 7 | 2.85 | 0.070 | 0.23 | <0.1 | 0.02 | 11.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 108 | Soil | 49 | 1.05 | 148 | 0.209 | 7 | 2.13 | 0.078 | 0.26 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 109 | Soil | 34 | 0.77 | 127 | 0.204 | 6 | 1.98 | 0.049 | 0.33 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 110 | Soil | 29 | 0.65 | 145 | 0.089 | 9 | 2.33 | 0.027 | 0.36 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| EH 111 | Soil | 36 | 0.75 | 126 | 0.172 | 7 | 2.40 | 0.040 | 0.35 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 112 | Soil | 31 | 0.53 | 144 | 0.155 | 6 | 2.23 | 0.039 | 0.26 | <0.1 | 0.01 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 113 | Soil | 38 | 0.75 | 135 | 0.183 | 7 | 2.80 | 0.042 | 0.31 | <0.1 | 0.01 | 8.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 114 | Soil | 32 | 0.62 | 141 | 0.163 | 8 | 2.30 | 0.035 | 0.35 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 115 | Soil | 33 | 0.76 | 126 | 0.160 | 7 | 2.67 | 0.038 | 0.38 | <0.1 | 0.02 | 9.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 116 | Soil | 35 | 0.74 | 118 | 0.155 | 10 | 2.78 | 0.035 | 0.41 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 117 | Soil | 38 | 0.78 | 112 | 0.096 | 5 | 3.06 | 0.026 | 0.24 | <0.1 | 0.02 | 10.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 118 | Soil | 32 | 0.76 | 118 | 0.112 | 6 | 2.85 | 0.040 | 0.25 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 6 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 119 | Soil | 0.4 | 58.7 | 5.0 | 65 | <0.1 | 34.2 | 14.0 | 469 | 3.55 | 2.5 | 1.8 | 2.2 | 119 | 0.2 | 0.2 | <0.1 | 84 | 0.83 | 0.029 | 15 |
| EH 120 | Soil | 0.3 | 38.3 | 5.1 | 63 | <0.1 | 25.6 | 11.7 | 518 | 2.92 | 1.1 | <0.5 | 2.1 | 115 | 0.1 | 0.1 | <0.1 | 77 | 0.74 | 0.020 | 14 |
| EH 121 | Soil | 0.3 | 35.2 | 5.2 | 67 | <0.1 | 23.4 | 12.2 | 730 | 2.89 | 1.8 | 0.6 | 2.1 | 142 | 0.2 | 0.1 | <0.1 | 79 | 0.71 | 0.020 | 17 |
| EH 122 | Soil | 0.4 | 38.7 | 5.2 | 56 | <0.1 | 27.0 | 12.8 | 482 | 2.93 | 1.7 | 0.7 | 2.3 | 121 | 0.1 | 0.2 | <0.1 | 73 | 0.77 | 0.026 | 17 |
| EH 123 | Soil | 0.4 | 24.5 | 5.3 | 58 | <0.1 | 18.3 | 9.8 | 495 | 2.33 | 1.7 | 0.8 | 2.0 | 116 | <0.1 | 0.1 | <0.1 | 69 | 0.62 | 0.019 | 12 |
| EH 124 | Soil | 0.4 | 38.8 | 5.6 | 66 | <0.1 | 25.7 | 12.9 | 654 | 2.94 | 1.7 | 0.9 | 2.1 | 127 | 0.1 | 0.2 | <0.1 | 77 | 0.77 | 0.019 | 15 |
| EH 125 | Soil | 0.3 | 40.8 | 5.2 | 82 | <0.1 | 26.4 | 13.2 | 793 | 3.00 | 1.8 | 1.1 | 2.1 | 108 | <0.1 | 0.1 | 0.2 | 75 | 0.71 | 0.021 | 16 |
| EH 126 | Soil | 0.7 | 23.7 | 4.8 | 46 | <0.1 | 15.6 | 8.9 | 490 | 2.26 | 2.2 | <0.5 | 1.6 | 99 | <0.1 | <0.1 | 0.1 | 62 | 0.60 | 0.021 | 10 |
| EH 127 | Soil | 0.3 | 32.5 | 4.7 | 26 | <0.1 | 14.2 | 8.3 | 287 | 1.98 | 41.3 | 3.1 | 1.3 | 254 | <0.1 | 0.3 | <0.1 | 198 | 2.39 | 0.073 | 8 |
| EH 128 | Soil | 0.4 | 31.0 | 5.2 | 56 | <0.1 | 20.6 | 10.7 | 506 | 2.02 | 2.9 | <0.5 | 1.6 | 102 | 0.2 | 0.1 | <0.1 | 62 | 0.73 | 0.019 | 11 |
| EH 129 | Soil | 0.5 | 40.0 | 5.9 | 111 | <0.1 | 25.1 | 14.0 | 1052 | 3.00 | 3.1 | 5.4 | 2.2 | 103 | 0.1 | 0.1 | 0.1 | 78 | 0.85 | 0.033 | 14 |
| EH 130 | Soil | 0.4 | 40.5 | 5.6 | 90 | <0.1 | 24.1 | 12.4 | 948 | 2.94 | 2.3 | 0.5 | 2.5 | 115 | <0.1 | 0.2 | <0.1 | 72 | 0.93 | 0.035 | 19 |
| EH 131 | Soil | 0.6 | 31.0 | 5.5 | 48 | <0.1 | 24.0 | 12.4 | 634 | 2.30 | 1.8 | <0.5 | 2.1 | 95 | 0.1 | 0.1 | <0.1 | 51 | 0.73 | 0.029 | 13 |
| EH 132 | Soil | 0.5 | 40.1 | 5.4 | 84 | <0.1 | 32.4 | 14.9 | 904 | 3.03 | 2.6 | <0.5 | 2.0 | 134 | 0.2 | 0.2 | <0.1 | 72 | 0.98 | 0.038 | 15 |
| EH 133 | Soil | 0.5 | 54.4 | 4.1 | 142 | <0.1 | 29.4 | 12.4 | 1220 | 2.17 | 3.6 | <0.5 | 1.0 | 195 | 0.2 | 0.1 | <0.1 | 50 | 1.91 | 0.115 | 7 |
| EH 134 | Soil | 0.4 | 23.7 | 4.8 | 50 | <0.1 | 17.4 | 9.0 | 440 | 2.10 | 1.4 | <0.5 | 1.4 | 72 | <0.1 | <0.1 | <0.1 | 56 | 0.54 | 0.020 | 9 |
| EH 135 | Soil | 0.5 | 39.8 | 5.2 | 119 | <0.1 | 33.5 | 14.4 | 1086 | 2.78 | 1.6 | 1.8 | 1.9 | 112 | 0.2 | <0.1 | 0.2 | 57 | 1.19 | 0.060 | 14 |
| EH 136 | Soil | 0.5 | 36.8 | 5.2 | 74 | <0.1 | 26.0 | 13.1 | 748 | 2.82 | 1.2 | <0.5 | 2.1 | 113 | 0.1 | 0.1 | 0.1 | 68 | 0.95 | 0.033 | 15 |
| EH 137 | Soil | 0.6 | 26.8 | 5.1 | 74 | <0.1 | 20.7 | 10.7 | 669 | 2.50 | 1.3 | <0.5 | 1.9 | 105 | 0.1 | 0.2 | <0.1 | 67 | 0.75 | 0.029 | 12 |
| EH 138 | Soil | 0.4 | 29.0 | 5.0 | 83 | <0.1 | 23.4 | 12.3 | 892 | 2.69 | 1.8 | <0.5 | 2.0 | 114 | 0.2 | 0.1 | <0.1 | 66 | 0.69 | 0.024 | 14 |
| EH 139 | Soil | 0.4 | 39.8 | 5.3 | 68 | <0.1 | 29.4 | 13.7 | 609 | 3.13 | 1.6 | 0.6 | 2.2 | 123 | 0.2 | 0.2 | <0.1 | 73 | 0.90 | 0.038 | 15 |
| EH 140 | Soil | 0.4 | 31.0 | 5.0 | 70 | <0.1 | 23.2 | 12.6 | 846 | 2.50 | 1.7 | <0.5 | 2.0 | 107 | 0.1 | 0.1 | <0.1 | 64 | 0.80 | 0.025 | 12 |
| EH 141 | Soil | 0.5 | 30.0 | 4.8 | 62 | <0.1 | 26.1 | 11.9 | 554 | 2.63 | 1.9 | 1.1 | 2.1 | 80 | 0.1 | 0.1 | <0.1 | 60 | 0.64 | 0.027 | 11 |
| EH 142 | Soil | 0.7 | 36.5 | 3.4 | 91 | 0.1 | 24.0 | 10.5 | 929 | 1.93 | 2.9 | 2.7 | 1.1 | 179 | 0.2 | 0.1 | <0.1 | 35 | 1.89 | 0.184 | 9 |
| EH 143 | Soil | 0.5 | 26.2 | 4.0 | 58 | <0.1 | 20.6 | 10.9 | 362 | 2.36 | 1.1 | 1.9 | 1.8 | 102 | <0.1 | 0.1 | 0.1 | 55 | 0.67 | 0.030 | 13 |
| EH 144 | Soil | 0.4 | 50.1 | 6.1 | 66 | <0.1 | 35.1 | 17.4 | 673 | 3.42 | 2.4 | 2.3 | 2.4 | 124 | 0.1 | 0.2 | 0.1 | 82 | 0.86 | 0.030 | 18 |
| EH 145 | Soil | 0.5 | 34.1 | 6.5 | 65 | <0.1 | 24.9 | 19.3 | 868 | 3.22 | 1.7 | 0.9 | 2.0 | 122 | 0.1 | 0.2 | <0.1 | 87 | 0.80 | 0.038 | 14 |
| EH 146 | Soil | 0.6 | 31.7 | 5.8 | 70 | <0.1 | 24.7 | 13.4 | 835 | 2.58 | 0.9 | 3.2 | 2.0 | 89 | 0.1 | 0.1 | 0.1 | 67 | 0.67 | 0.024 | 14 |
| EH 147 | Soil | 0.3 | 42.8 | 4.4 | 60 | <0.1 | 31.2 | 14.6 | 475 | 3.06 | 0.8 | 1.2 | 3.6 | 73 | 0.1 | <0.1 | 0.1 | 89 | 0.80 | 0.037 | 21 |
| EH 148 | Soil | 0.8 | 15.4 | 3.8 | 54 | <0.1 | 12.9 | 6.7 | 342 | 1.70 | 1.1 | 2.4 | 1.0 | 48 | <0.1 | <0.1 | <0.1 | 35 | 0.44 | 0.026 | 4 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 6 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | 0.2 |
| EH 119 | Soil | 43 | 0.83 | 111 | 0.143 | 5 | 2.71 | 0.039 | 0.29 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 120 | Soil | 32 | 0.61 | 132 | 0.167 | 5 | 2.47 | 0.041 | 0.30 | <0.1 | 0.01 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 121 | Soil | 29 | 0.62 | 131 | 0.155 | 6 | 2.19 | 0.044 | 0.30 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 122 | Soil | 33 | 0.65 | 143 | 0.116 | 6 | 2.54 | 0.030 | 0.29 | <0.1 | 0.03 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 123 | Soil | 25 | 0.44 | 145 | 0.153 | 6 | 1.83 | 0.043 | 0.22 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 124 | Soil | 32 | 0.63 | 141 | 0.152 | 9 | 2.38 | 0.041 | 0.35 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 125 | Soil | 30 | 0.65 | 130 | 0.158 | 13 | 2.25 | 0.039 | 0.45 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 126 | Soil | 21 | 0.50 | 117 | 0.140 | 15 | 1.49 | 0.040 | 0.35 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 127 | Soil | 49 | 0.78 | 147 | 0.086 | 49 | 1.84 | 0.095 | 0.10 | 0.2 | 0.05 | 5.7 | <0.1 | <0.05 | 6 | 3.8 | <0.2 |
| EH 128 | Soil | 23 | 0.60 | 129 | 0.131 | 13 | 1.85 | 0.049 | 0.25 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| EH 129 | Soil | 31 | 0.62 | 167 | 0.159 | 9 | 2.69 | 0.044 | 0.38 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 130 | Soil | 29 | 0.62 | 153 | 0.129 | 11 | 2.85 | 0.034 | 0.33 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 131 | Soil | 23 | 0.73 | 151 | 0.121 | 9 | 2.30 | 0.050 | 0.33 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 132 | Soil | 36 | 0.73 | 177 | 0.140 | 12 | 2.91 | 0.035 | 0.38 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| EH 133 | Soil | 25 | 0.66 | 291 | 0.097 | 18 | 2.73 | 0.039 | 0.40 | <0.1 | 0.05 | 5.7 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| EH 134 | Soil | 20 | 0.46 | 111 | 0.142 | 8 | 1.75 | 0.047 | 0.25 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 135 | Soil | 27 | 0.68 | 162 | 0.103 | 27 | 2.78 | 0.027 | 0.61 | <0.1 | 0.04 | 8.6 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| EH 136 | Soil | 29 | 0.63 | 136 | 0.121 | 8 | 2.52 | 0.035 | 0.37 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 137 | Soil | 27 | 0.51 | 144 | 0.138 | 9 | 2.11 | 0.038 | 0.30 | <0.1 | 0.03 | 6.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 138 | Soil | 28 | 0.55 | 150 | 0.125 | 5 | 2.23 | 0.040 | 0.26 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 139 | Soil | 35 | 0.68 | 142 | 0.135 | 5 | 2.80 | 0.049 | 0.27 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 140 | Soil | 26 | 0.58 | 140 | 0.129 | 7 | 1.98 | 0.046 | 0.37 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 141 | Soil | 31 | 0.61 | 116 | 0.148 | 3 | 2.12 | 0.044 | 0.26 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 142 | Soil | 23 | 0.64 | 287 | 0.090 | 18 | 1.76 | 0.048 | 0.23 | <0.1 | 0.06 | 6.1 | <0.1 | <0.05 | 4 | 0.7 | <0.2 |
| EH 143 | Soil | 25 | 0.50 | 144 | 0.110 | 3 | 1.91 | 0.031 | 0.17 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH 144 | Soil | 40 | 0.86 | 151 | 0.123 | 2 | 3.08 | 0.035 | 0.25 | <0.1 | 0.04 | 10.1 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| EH 145 | Soil | 24 | 0.78 | 180 | 0.124 | <1 | 2.57 | 0.035 | 0.19 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 146 | Soil | 28 | 0.62 | 140 | 0.130 | 3 | 2.21 | 0.031 | 0.29 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 147 | Soil | 17 | 0.92 | 54 | 0.169 | 1 | 1.92 | 0.046 | 0.10 | <0.1 | 0.01 | 9.5 | <0.1 | <0.05 | 5 | 0.9 | <0.2 |
| EH 148 | Soil | 17 | 0.39 | 108 | 0.102 | 3 | 1.56 | 0.028 | 0.15 | <0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 7 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|-----------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 149 | Soil | | 0.4 | 26.5 | 2.9 | 59 | <0.1 | 20.9 | 9.5 | 338 | 2.59 | 0.9 | 1.2 | 2.5 | 116 | <0.1 | 0.1 | <0.1 | 50 | 0.75 | 0.032 | 17 |
| EH 150 | Soil | | 0.4 | 33.6 | 5.0 | 70 | <0.1 | 25.0 | 12.6 | 527 | 2.90 | 0.9 | 1.2 | 2.7 | 143 | 0.2 | 0.1 | <0.1 | 74 | 0.78 | 0.039 | 22 |
| S-P73 003 | Rock Pulp | | 6.6 | 46.5 | 5.4 | 53 | 0.5 | 32.4 | 14.5 | 480 | 3.13 | 6.7 | 708.3 | 1.6 | 45 | 0.2 | 1.0 | 0.1 | 67 | 0.86 | 0.058 | 7 |
| EH 151 | Soil | | 0.4 | 34.3 | 3.7 | 82 | <0.1 | 29.5 | 12.1 | 438 | 3.07 | 0.9 | 2.9 | 2.3 | 103 | <0.1 | <0.1 | <0.1 | 62 | 0.78 | 0.032 | 15 |
| EH 152 | Soil | | 0.3 | 30.3 | 4.9 | 70 | <0.1 | 20.9 | 10.8 | 590 | 2.54 | 1.0 | 1.0 | 2.4 | 72 | <0.1 | 0.1 | <0.1 | 66 | 0.61 | 0.022 | 14 |
| EH 153 | Soil | | 0.3 | 32.7 | 5.4 | 61 | <0.1 | 22.0 | 13.9 | 809 | 2.79 | <0.5 | 0.6 | 3.1 | 66 | 0.2 | <0.1 | <0.1 | 78 | 0.76 | 0.023 | 17 |
| EH 154 | Soil | | 0.5 | 28.2 | 4.9 | 60 | <0.1 | 25.4 | 14.0 | 559 | 3.15 | 0.9 | 1.0 | 2.6 | 97 | <0.1 | <0.1 | <0.1 | 63 | 0.94 | 0.022 | 14 |
| EH 155 | Soil | | 0.7 | 40.6 | 6.2 | 74 | <0.1 | 30.0 | 18.9 | 970 | 3.27 | 2.5 | 2.4 | 2.2 | 116 | 0.2 | 0.1 | 0.1 | 85 | 0.92 | 0.036 | 14 |
| EH 156 | Soil | | 0.4 | 33.8 | 4.6 | 77 | <0.1 | 27.0 | 15.2 | 723 | 3.00 | 1.3 | 2.3 | 2.0 | 99 | 0.1 | 0.2 | 0.2 | 81 | 0.77 | 0.024 | 14 |
| EH 157 | Soil | | 0.5 | 39.3 | 4.0 | 110 | <0.1 | 32.2 | 18.2 | 770 | 3.39 | 0.8 | 1.7 | 2.3 | 104 | <0.1 | <0.1 | <0.1 | 64 | 1.07 | 0.076 | 12 |
| EH 158 | Soil | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 159 | Soil | | 0.4 | 32.7 | 5.7 | 58 | <0.1 | 24.9 | 13.7 | 432 | 3.07 | 1.5 | 1.5 | 2.4 | 110 | 0.1 | <0.1 | <0.1 | 69 | 0.73 | 0.035 | 17 |
| EH 160 | Soil | | 0.3 | 28.4 | 5.2 | 61 | <0.1 | 19.1 | 11.1 | 576 | 2.64 | 1.9 | 1.1 | 2.2 | 103 | <0.1 | 0.1 | <0.1 | 60 | 0.72 | 0.035 | 16 |
| EH 161 | Soil | | 0.5 | 24.9 | 4.9 | 84 | <0.1 | 18.7 | 9.9 | 935 | 2.29 | 1.7 | 0.9 | 1.7 | 115 | 0.2 | 0.1 | <0.1 | 63 | 0.83 | 0.039 | 11 |
| EH 162 | Soil | | 0.5 | 26.2 | 5.3 | 62 | <0.1 | 20.2 | 10.0 | 712 | 2.34 | 1.4 | 2.1 | 1.9 | 86 | <0.1 | 0.1 | <0.1 | 59 | 0.59 | 0.026 | 12 |
| EH 163 | Soil | | 0.5 | 35.9 | 5.6 | 67 | <0.1 | 26.5 | 13.8 | 852 | 2.89 | 1.7 | 0.7 | 2.3 | 119 | <0.1 | 0.1 | <0.1 | 72 | 0.76 | 0.026 | 17 |
| EH 164 | Soil | | 0.4 | 38.9 | 6.0 | 71 | <0.1 | 28.7 | 16.0 | 727 | 2.96 | 1.6 | 2.3 | 2.6 | 122 | 0.1 | 0.1 | <0.1 | 76 | 0.80 | 0.037 | 16 |
| EH 165 | Soil | | 0.5 | 29.6 | 5.3 | 57 | <0.1 | 24.4 | 12.5 | 641 | 2.56 | 1.1 | 1.2 | 1.9 | 105 | <0.1 | 0.1 | 0.2 | 63 | 0.76 | 0.025 | 14 |
| EH 166 | Soil | | 0.2 | 35.3 | 4.2 | 64 | <0.1 | 32.4 | 12.9 | 459 | 3.24 | 1.0 | 1.5 | 2.3 | 89 | <0.1 | <0.1 | <0.1 | 72 | 0.61 | 0.018 | 12 |
| EH 167 | Soil | | 0.2 | 37.5 | 4.8 | 66 | <0.1 | 39.4 | 16.6 | 769 | 3.14 | 0.7 | <0.5 | 2.2 | 105 | <0.1 | <0.1 | <0.1 | 81 | 0.72 | 0.028 | 12 |
| EH 168 | Soil | | 0.3 | 47.8 | 5.0 | 58 | <0.1 | 38.1 | 13.6 | 394 | 3.55 | 1.4 | 1.6 | 2.4 | 140 | 0.1 | 0.1 | <0.1 | 80 | 0.85 | 0.030 | 16 |
| EH 169 | Soil | | 0.2 | 31.2 | 3.8 | 68 | <0.1 | 32.6 | 12.4 | 491 | 2.94 | 1.0 | <0.5 | 2.3 | 92 | <0.1 | <0.1 | <0.1 | 75 | 0.73 | 0.022 | 11 |
| EH 170 | Soil | | 0.2 | 43.7 | 4.2 | 58 | <0.1 | 39.9 | 14.4 | 455 | 3.45 | 1.2 | 1.5 | 2.9 | 89 | 0.1 | <0.1 | <0.1 | 87 | 0.81 | 0.025 | 14 |
| EH 171 | Soil | | 0.3 | 45.9 | 6.4 | 58 | <0.1 | 43.8 | 18.1 | 794 | 3.49 | 2.2 | 1.8 | 3.3 | 146 | <0.1 | 0.1 | <0.1 | 88 | 1.11 | 0.043 | 15 |
| EH 172 | Soil | | 0.4 | 40.4 | 7.1 | 72 | <0.1 | 33.0 | 16.4 | 896 | 3.02 | 2.1 | <0.5 | 2.4 | 122 | 0.2 | 0.1 | <0.1 | 76 | 0.92 | 0.035 | 10 |
| EH 173 | Soil | | 0.5 | 32.1 | 5.7 | 75 | <0.1 | 28.4 | 13.8 | 812 | 2.93 | 1.7 | 1.3 | 2.0 | 107 | <0.1 | 0.2 | <0.1 | 74 | 0.84 | 0.037 | 11 |
| EH 174 | Soil | | 0.4 | 45.4 | 5.4 | 65 | <0.1 | 33.7 | 13.6 | 624 | 3.18 | 1.4 | 3.4 | 2.1 | 124 | <0.1 | 0.1 | <0.1 | 81 | 0.83 | 0.033 | 19 |
| EH 175 | Soil | | 0.4 | 47.2 | 5.1 | 60 | <0.1 | 34.5 | 13.9 | 500 | 3.70 | 1.1 | 1.5 | 2.7 | 168 | 0.1 | <0.1 | <0.1 | 82 | 1.07 | 0.038 | 17 |
| EH 176 | Soil | | 0.3 | 29.9 | 5.3 | 81 | <0.1 | 24.2 | 10.1 | 556 | 2.63 | <0.5 | 2.7 | 1.9 | 100 | <0.1 | 0.1 | <0.1 | 63 | 0.71 | 0.018 | 11 |
| EH 177 | Soil | | 0.3 | 28.0 | 5.2 | 69 | <0.1 | 19.3 | 8.9 | 370 | 2.30 | 0.7 | 1.2 | 1.7 | 75 | <0.1 | <0.1 | <0.1 | 52 | 0.62 | 0.027 | 12 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 7 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 149 | Soil | 20 | 0.55 | 146 | 0.089 | 1 | 2.02 | 0.043 | 0.25 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 150 | Soil | 26 | 0.57 | 176 | 0.129 | 4 | 2.27 | 0.034 | 0.30 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| S-P73 003 | Rock Pulp | 38 | 0.77 | 146 | 0.141 | 3 | 1.58 | 0.114 | 0.15 | 26.8 | 0.06 | 5.5 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH 151 | Soil | 28 | 0.72 | 133 | 0.109 | 4 | 2.26 | 0.031 | 0.34 | <0.1 | 0.03 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 152 | Soil | 22 | 0.54 | 109 | 0.145 | 3 | 1.95 | 0.034 | 0.31 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 153 | Soil | 16 | 0.70 | 95 | 0.173 | 4 | 2.08 | 0.042 | 0.18 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 154 | Soil | 21 | 0.72 | 118 | 0.103 | 3 | 2.46 | 0.039 | 0.22 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 155 | Soil | 28 | 0.75 | 188 | 0.132 | <1 | 2.90 | 0.037 | 0.18 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| EH 156 | Soil | 29 | 0.69 | 150 | 0.133 | 3 | 2.36 | 0.035 | 0.26 | <0.1 | 0.01 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 157 | Soil | 28 | 0.89 | 185 | 0.102 | 13 | 2.57 | 0.031 | 0.42 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| EH 158 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 159 | Soil | 34 | 0.82 | 141 | 0.121 | 2 | 2.66 | 0.036 | 0.21 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| EH 160 | Soil | 23 | 0.59 | 122 | 0.089 | 4 | 2.08 | 0.026 | 0.40 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 161 | Soil | 23 | 0.47 | 165 | 0.111 | 6 | 1.80 | 0.030 | 0.36 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 162 | Soil | 25 | 0.50 | 133 | 0.122 | 3 | 2.05 | 0.028 | 0.31 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| EH 163 | Soil | 29 | 0.64 | 159 | 0.124 | 4 | 2.42 | 0.032 | 0.30 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 164 | Soil | 32 | 0.77 | 159 | 0.096 | 4 | 2.83 | 0.028 | 0.46 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 165 | Soil | 27 | 0.62 | 127 | 0.119 | 10 | 2.18 | 0.033 | 0.38 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 166 | Soil | 40 | 1.01 | 95 | 0.164 | 2 | 2.25 | 0.032 | 0.31 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| EH 167 | Soil | 44 | 1.21 | 112 | 0.173 | 2 | 2.03 | 0.036 | 0.25 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 168 | Soil | 43 | 0.95 | 119 | 0.155 | 3 | 2.74 | 0.039 | 0.25 | <0.1 | 0.03 | 10.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 169 | Soil | 48 | 1.04 | 95 | 0.205 | 6 | 1.78 | 0.039 | 0.40 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 170 | Soil | 67 | 1.41 | 88 | 0.198 | 3 | 2.09 | 0.057 | 0.17 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 171 | Soil | 84 | 1.45 | 159 | 0.221 | 6 | 2.47 | 0.040 | 0.26 | <0.1 | 0.03 | 11.0 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| EH 172 | Soil | 44 | 1.01 | 133 | 0.239 | 6 | 2.44 | 0.040 | 0.29 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 173 | Soil | 36 | 0.72 | 135 | 0.201 | 3 | 2.38 | 0.038 | 0.27 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 174 | Soil | 40 | 0.76 | 144 | 0.178 | 1 | 2.71 | 0.044 | 0.24 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 175 | Soil | 47 | 0.98 | 143 | 0.188 | 4 | 3.08 | 0.042 | 0.25 | <0.1 | 0.02 | 10.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 176 | Soil | 30 | 0.60 | 129 | 0.150 | 3 | 2.26 | 0.028 | 0.34 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 177 | Soil | 23 | 0.49 | 116 | 0.113 | 4 | 2.12 | 0.022 | 0.24 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 8 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------|-----------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 178 | Soil | | 0.4 | 26.7 | 5.0 | 64 | <0.1 | 16.1 | 9.3 | 758 | 2.30 | 1.8 | 1.5 | 1.6 | 77 | <0.1 | <0.1 | <0.1 | 63 | 0.72 | 0.029 | 14 |
| EH 179 | Soil | | 0.2 | 27.1 | 5.4 | 58 | <0.1 | 13.4 | 8.0 | 506 | 2.08 | 1.3 | 0.8 | 1.9 | 66 | <0.1 | <0.1 | 0.1 | 45 | 0.54 | 0.022 | 14 |
| EH 180 | Soil | | 0.1 | 47.3 | 5.7 | 44 | <0.1 | 12.2 | 8.7 | 515 | 2.42 | 3.1 | 1.1 | 2.4 | 72 | <0.1 | <0.1 | <0.1 | 54 | 1.10 | 0.143 | 20 |
| EH 181 | Soil | | 0.4 | 35.4 | 6.2 | 55 | <0.1 | 22.8 | 11.4 | 483 | 2.65 | 1.1 | 0.6 | 2.0 | 74 | <0.1 | 0.1 | 0.1 | 62 | 0.61 | 0.021 | 20 |
| EH 182 | Soil | | 0.2 | 37.3 | 6.4 | 69 | <0.1 | 24.5 | 11.6 | 528 | 2.77 | 1.1 | <0.5 | 2.1 | 90 | 0.1 | 0.1 | 0.1 | 59 | 0.70 | 0.024 | 16 |
| EH 183 | Soil | | 0.4 | 34.9 | 6.0 | 63 | <0.1 | 27.9 | 13.2 | 687 | 2.88 | 0.6 | 4.0 | 2.1 | 93 | 0.1 | 0.2 | <0.1 | 62 | 0.70 | 0.024 | 16 |
| EH 184 | Soil | | 0.5 | 53.3 | 5.3 | 59 | <0.1 | 30.3 | 12.8 | 435 | 3.22 | 1.8 | <0.5 | 2.2 | 127 | 0.1 | 0.2 | <0.1 | 76 | 0.90 | 0.048 | 17 |
| EH 185 | Soil | | 0.4 | 28.2 | 5.2 | 70 | <0.1 | 20.6 | 9.8 | 438 | 2.62 | 1.8 | <0.5 | 2.2 | 98 | <0.1 | 0.1 | <0.1 | 62 | 0.73 | 0.042 | 13 |
| EH 186 | Soil | | 0.3 | 26.2 | 4.9 | 69 | <0.1 | 18.9 | 9.1 | 528 | 2.53 | 1.4 | <0.5 | 1.9 | 115 | <0.1 | 0.1 | 0.2 | 62 | 0.66 | 0.031 | 13 |
| EH 187 | Soil | | 0.3 | 42.6 | 5.7 | 68 | <0.1 | 23.3 | 12.5 | 738 | 2.70 | 2.3 | <0.5 | 2.1 | 167 | 0.1 | 0.2 | <0.1 | 57 | 1.03 | 0.032 | 16 |
| EH 188 | Soil | | 0.5 | 23.7 | 5.1 | 66 | <0.1 | 15.7 | 8.2 | 592 | 2.25 | 1.8 | <0.5 | 1.7 | 104 | <0.1 | 0.2 | <0.1 | 60 | 0.58 | 0.025 | 9 |
| EH 189 | Soil | | 0.5 | 31.4 | 5.9 | 91 | <0.1 | 23.2 | 11.8 | 1012 | 2.56 | 1.8 | <0.5 | 1.8 | 97 | <0.1 | 0.2 | <0.1 | 64 | 0.75 | 0.022 | 11 |
| EH 190 | Soil | | 0.2 | 50.4 | 5.4 | 55 | <0.1 | 24.0 | 11.0 | 407 | 3.25 | 1.8 | 0.5 | 2.8 | 128 | <0.1 | 0.2 | <0.1 | 72 | 0.76 | 0.036 | 16 |
| EH 191 | Soil | | 0.4 | 30.2 | 5.5 | 62 | <0.1 | 22.1 | 11.9 | 697 | 2.75 | 1.1 | <0.5 | 2.1 | 126 | 0.1 | 0.2 | <0.1 | 73 | 0.71 | 0.022 | 15 |
| EH 192 | Soil | | 0.5 | 31.9 | 4.9 | 67 | <0.1 | 18.0 | 10.2 | 566 | 2.74 | 2.8 | <0.5 | 2.4 | 80 | <0.1 | 0.1 | <0.1 | 62 | 0.73 | 0.025 | 15 |
| EH 193 | Soil | | 0.3 | 20.2 | 3.9 | 66 | <0.1 | 15.4 | 7.7 | 465 | 2.16 | 2.2 | <0.5 | 2.1 | 79 | <0.1 | <0.1 | <0.1 | 55 | 0.65 | 0.015 | 15 |
| EH 194 | Soil | | 0.2 | 20.7 | 3.8 | 54 | <0.1 | 10.6 | 7.1 | 333 | 2.14 | 1.1 | <0.5 | 2.1 | 97 | <0.1 | 0.1 | <0.1 | 42 | 0.50 | 0.014 | 15 |
| EH 195 | Soil | | 0.3 | 46.6 | 5.3 | 56 | <0.1 | 21.4 | 11.3 | 411 | 3.13 | 1.1 | <0.5 | 2.6 | 113 | <0.1 | 0.1 | <0.1 | 68 | 0.81 | 0.020 | 16 |
| EH 196 | Soil | | 0.2 | 28.8 | 4.4 | 62 | <0.1 | 17.4 | 9.5 | 466 | 2.48 | 1.1 | <0.5 | 2.0 | 119 | 0.1 | 0.1 | <0.1 | 60 | 0.62 | 0.026 | 14 |
| EH 197 | Soil | | 0.3 | 27.9 | 4.2 | 78 | <0.1 | 17.7 | 8.7 | 567 | 2.38 | 1.5 | <0.5 | 1.9 | 91 | <0.1 | <0.1 | <0.1 | 54 | 0.70 | 0.031 | 11 |
| EH 198 | Soil | | 0.4 | 37.2 | 5.7 | 67 | <0.1 | 24.9 | 12.3 | 1114 | 2.61 | 1.7 | <0.5 | 2.6 | 144 | 0.1 | 0.3 | 0.2 | 56 | 0.96 | 0.025 | 18 |
| EH 199 | Soil | | 0.3 | 60.8 | 5.8 | 60 | <0.1 | 30.7 | 15.2 | 1329 | 3.14 | 4.2 | <0.5 | 2.8 | 203 | 0.2 | 0.3 | <0.1 | 70 | 1.36 | 0.075 | 22 |
| EH 200 | Soil | | 0.3 | 40.9 | 5.0 | 68 | <0.1 | 31.3 | 13.6 | 509 | 3.29 | 1.9 | <0.5 | 2.6 | 89 | <0.1 | 0.1 | 0.1 | 62 | 0.75 | 0.031 | 13 |
| S P7E 004 | Rock Pulp | | 6.4 | 46.7 | 5.4 | 53 | 0.5 | 32.7 | 13.8 | 478 | 2.95 | 6.3 | 703.2 | 1.5 | 45 | 0.3 | 1.1 | 0.1 | 60 | 0.82 | 0.055 | 7 |
| EH 201 | Soil | | 0.5 | 46.2 | 4.2 | 63 | <0.1 | 38.6 | 15.1 | 774 | 3.36 | 3.7 | <0.5 | 3.0 | 75 | 0.2 | 0.2 | <0.1 | 89 | 1.27 | 0.043 | 15 |
| EH 202 | Soil | | 0.3 | 42.3 | 4.4 | 82 | <0.1 | 35.7 | 15.3 | 652 | 3.18 | 1.3 | <0.5 | 2.2 | 92 | 0.2 | 0.1 | <0.1 | 72 | 0.73 | 0.032 | 13 |
| EH 203 | Soil | | 0.2 | 29.8 | 4.3 | 72 | <0.1 | 26.4 | 10.2 | 397 | 2.69 | 0.7 | <0.5 | 2.0 | 82 | 0.1 | <0.1 | <0.1 | 59 | 0.67 | 0.031 | 11 |
| EH 204 | Soil | | 0.3 | 30.3 | 3.8 | 69 | <0.1 | 28.5 | 11.2 | 491 | 2.74 | 0.8 | <0.5 | 2.3 | 74 | 0.1 | <0.1 | <0.1 | 56 | 0.67 | 0.025 | 12 |
| EH 205 | Soil | | 0.2 | 34.7 | 4.1 | 66 | <0.1 | 36.2 | 14.6 | 652 | 2.88 | 0.5 | <0.5 | 2.4 | 73 | <0.1 | <0.1 | <0.1 | 64 | 0.68 | 0.029 | 13 |
| EH 206 | Soil | | 0.2 | 33.2 | 3.6 | 66 | <0.1 | 30.3 | 12.4 | 491 | 2.83 | 0.6 | <0.5 | 2.5 | 71 | 0.1 | <0.1 | <0.1 | 60 | 0.77 | 0.034 | 12 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 8 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 178 | Soil | 19 | 0.43 | 113 | 0.103 | 5 | 1.73 | 0.021 | 0.23 | <0.1 | 0.03 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 179 | Soil | 17 | 0.41 | 108 | 0.063 | 7 | 1.56 | 0.019 | 0.30 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 180 | Soil | 13 | 0.41 | 90 | 0.027 | 5 | 1.57 | 0.020 | 0.13 | <0.1 | 0.03 | 8.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 181 | Soil | 27 | 0.57 | 111 | 0.076 | 2 | 2.02 | 0.023 | 0.22 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 182 | Soil | 27 | 0.68 | 117 | 0.083 | 6 | 2.33 | 0.022 | 0.31 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 183 | Soil | 33 | 0.62 | 126 | 0.115 | 3 | 2.38 | 0.028 | 0.28 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 184 | Soil | 36 | 0.84 | 136 | 0.113 | 5 | 2.84 | 0.028 | 0.26 | <0.1 | 0.03 | 9.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 185 | Soil | 29 | 0.55 | 135 | 0.117 | 4 | 2.33 | 0.032 | 0.23 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 186 | Soil | 24 | 0.55 | 115 | 0.124 | 6 | 1.95 | 0.037 | 0.33 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 187 | Soil | 22 | 0.57 | 190 | 0.058 | 9 | 2.27 | 0.034 | 0.36 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| EH 188 | Soil | 22 | 0.44 | 156 | 0.116 | 4 | 1.75 | 0.034 | 0.33 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 189 | Soil | 28 | 0.55 | 159 | 0.117 | 6 | 2.28 | 0.032 | 0.40 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| EH 190 | Soil | 29 | 0.70 | 121 | 0.078 | 6 | 2.59 | 0.035 | 0.42 | <0.1 | 0.03 | 9.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 191 | Soil | 27 | 0.56 | 154 | 0.126 | 5 | 2.39 | 0.051 | 0.24 | <0.1 | 0.03 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 192 | Soil | 27 | 0.45 | 125 | 0.088 | 5 | 2.28 | 0.030 | 0.23 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 193 | Soil | 24 | 0.40 | 114 | 0.100 | 3 | 1.75 | 0.032 | 0.15 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 194 | Soil | 17 | 0.45 | 116 | 0.086 | 2 | 1.73 | 0.027 | 0.17 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 4 | 0.9 | <0.2 |
| EH 195 | Soil | 26 | 0.81 | 112 | 0.087 | 4 | 2.51 | 0.041 | 0.19 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 196 | Soil | 22 | 0.55 | 123 | 0.105 | 5 | 1.94 | 0.039 | 0.29 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 197 | Soil | 22 | 0.61 | 110 | 0.111 | 17 | 1.95 | 0.029 | 0.44 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 198 | Soil | 20 | 0.59 | 190 | 0.059 | 16 | 2.29 | 0.027 | 0.50 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 199 | Soil | 21 | 0.76 | 204 | 0.036 | 9 | 2.44 | 0.043 | 0.34 | <0.1 | 0.05 | 10.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 200 | Soil | 37 | 0.69 | 129 | 0.088 | 7 | 2.67 | 0.028 | 0.27 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| S P7E 004 | Rock Pulp | 36 | 0.76 | 145 | 0.130 | 5 | 1.49 | 0.115 | 0.14 | 26.7 | 0.05 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 201 | Soil | 40 | 0.69 | 76 | 0.042 | 7 | 2.18 | 0.027 | 0.15 | <0.1 | 0.02 | 11.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 202 | Soil | 35 | 0.88 | 114 | 0.145 | 6 | 2.41 | 0.039 | 0.36 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 203 | Soil | 29 | 0.72 | 125 | 0.147 | 4 | 2.08 | 0.034 | 0.28 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 204 | Soil | 36 | 0.84 | 115 | 0.137 | 5 | 2.06 | 0.027 | 0.31 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 205 | Soil | 52 | 1.07 | 101 | 0.114 | 3 | 2.11 | 0.035 | 0.30 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 206 | Soil | 45 | 0.78 | 99 | 0.127 | 5 | 1.99 | 0.040 | 0.24 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 9 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 207 | Soil | 0.4 | 28.4 | 4.8 | 58 | <0.1 | 22.2 | 10.1 | 467 | 2.52 | 1.0 | <0.5 | 2.0 | 92 | <0.1 | <0.1 | <0.1 | 54 | 0.80 | 0.025 | 9 |
| EH 208 | Soil | 0.3 | 27.2 | 4.2 | 73 | <0.1 | 22.3 | 8.9 | 527 | 2.37 | 0.7 | <0.5 | 1.9 | 92 | 0.1 | <0.1 | <0.1 | 55 | 0.81 | 0.019 | 10 |
| EH 209 | Soil | 0.2 | 60.9 | 4.7 | 52 | <0.1 | 31.3 | 10.1 | 439 | 3.45 | 1.0 | <0.5 | 2.5 | 83 | 0.1 | <0.1 | <0.1 | 88 | 0.96 | 0.036 | 14 |
| EH 210 | Soil | 0.3 | 30.3 | 4.4 | 57 | <0.1 | 23.9 | 9.7 | 405 | 2.73 | 0.7 | 1.1 | 2.3 | 101 | <0.1 | <0.1 | <0.1 | 68 | 0.67 | 0.017 | 11 |
| EH 211 | Soil | 0.4 | 30.9 | 5.0 | 55 | <0.1 | 24.9 | 11.7 | 632 | 2.61 | 1.0 | <0.5 | 2.1 | 100 | 0.1 | <0.1 | <0.1 | 68 | 0.76 | 0.030 | 14 |
| EH 212 | Soil | 0.3 | 50.1 | 5.4 | 62 | <0.1 | 26.3 | 14.0 | 602 | 3.69 | 1.3 | <0.5 | 2.2 | 156 | <0.1 | <0.1 | <0.1 | 93 | 0.80 | 0.034 | 19 |
| EH 213 | Soil | 0.3 | 33.7 | 5.0 | 82 | <0.1 | 22.1 | 8.4 | 459 | 2.45 | 2.4 | <0.5 | 2.0 | 93 | 0.1 | 0.1 | <0.1 | 48 | 0.91 | 0.254 | 14 |
| EH 214 | Soil | 0.4 | 32.7 | 4.6 | 68 | <0.1 | 21.4 | 11.4 | 513 | 2.70 | 2.6 | 2.5 | 1.7 | 73 | <0.1 | 0.1 | 0.2 | 67 | 0.60 | 0.039 | 13 |
| EH 215 | Soil | 0.2 | 30.8 | 4.5 | 55 | <0.1 | 15.6 | 8.6 | 315 | 2.42 | 2.6 | 1.7 | 2.2 | 59 | <0.1 | <0.1 | 0.1 | 49 | 0.60 | 0.026 | 15 |
| EH 216 | Soil | 0.3 | 33.9 | 6.1 | 84 | <0.1 | 22.4 | 13.7 | 938 | 2.63 | 2.2 | 3.9 | 1.9 | 116 | 0.2 | 0.1 | 0.1 | 71 | 0.82 | 0.035 | 14 |
| EH 217 | Soil | 0.5 | 31.6 | 5.6 | 62 | <0.1 | 21.6 | 11.1 | 487 | 2.65 | 2.0 | 1.3 | 2.0 | 104 | 0.1 | 0.2 | 0.1 | 71 | 0.61 | 0.030 | 15 |
| EH 218 | Soil | 0.3 | 22.1 | 4.6 | 82 | <0.1 | 18.7 | 8.9 | 433 | 2.36 | 1.5 | 1.1 | 1.5 | 81 | 0.1 | 0.1 | <0.1 | 63 | 0.57 | 0.037 | 9 |
| EH 219 | Soil | 0.4 | 23.6 | 4.6 | 61 | <0.1 | 17.4 | 8.6 | 381 | 2.33 | 1.5 | 2.6 | 1.6 | 109 | <0.1 | 0.1 | 0.1 | 63 | 0.59 | 0.021 | 10 |
| EH 220 | Soil | 0.3 | 41.1 | 5.2 | 62 | <0.1 | 26.8 | 12.7 | 454 | 3.02 | 1.6 | 1.9 | 2.1 | 119 | 0.1 | 0.1 | 0.1 | 66 | 0.76 | 0.037 | 13 |
| EH 221 | Soil | 0.4 | 31.7 | 4.8 | 80 | <0.1 | 24.0 | 10.7 | 562 | 2.83 | 1.9 | 2.2 | 1.8 | 108 | 0.2 | 0.1 | <0.1 | 65 | 0.71 | 0.027 | 11 |
| EH 222 | Soil | 0.5 | 25.5 | 4.9 | 69 | <0.1 | 17.9 | 8.8 | 804 | 2.00 | 1.9 | 1.7 | 1.9 | 176 | <0.1 | 0.2 | <0.1 | 51 | 0.64 | 0.025 | 11 |
| EH 223 | Soil | 0.4 | 30.7 | 5.7 | 76 | <0.1 | 21.8 | 11.0 | 653 | 2.68 | 2.9 | 1.2 | 1.9 | 104 | 0.1 | 0.1 | 0.4 | 61 | 0.80 | 0.043 | 13 |
| EH 224 | Soil | 0.5 | 35.7 | 5.4 | 65 | <0.1 | 25.5 | 11.9 | 442 | 2.83 | 2.5 | 20.9 | 1.9 | 91 | <0.1 | 0.1 | 0.2 | 64 | 0.62 | 0.026 | 12 |
| EH 225 | Soil | 0.5 | 31.3 | 5.3 | 71 | <0.1 | 23.5 | 11.2 | 520 | 2.82 | 2.0 | 1.2 | 1.9 | 90 | 0.1 | 0.1 | 0.1 | 66 | 0.58 | 0.028 | 12 |
| EH 226 | Soil | 0.4 | 27.6 | 4.8 | 90 | <0.1 | 22.2 | 9.7 | 628 | 2.50 | 2.1 | <0.5 | 1.6 | 80 | <0.1 | 0.1 | 0.1 | 63 | 0.55 | 0.024 | 10 |
| EH 227 | Soil | 0.5 | 35.3 | 5.4 | 61 | <0.1 | 29.4 | 13.5 | 438 | 3.05 | 2.8 | 2.2 | 2.1 | 100 | 0.1 | 0.2 | 0.1 | 73 | 0.64 | 0.037 | 14 |
| EH 228 | Soil | 0.5 | 21.3 | 4.6 | 93 | <0.1 | 16.0 | 7.2 | 579 | 2.19 | 2.2 | <0.5 | 1.5 | 80 | <0.1 | <0.1 | <0.1 | 51 | 0.60 | 0.027 | 6 |
| EH 229 | Soil | 0.6 | 24.5 | 5.4 | 80 | <0.1 | 17.8 | 9.6 | 697 | 2.59 | 2.9 | <0.5 | 2.1 | 109 | 0.1 | 0.1 | <0.1 | 59 | 0.72 | 0.030 | 15 |
| EH 230 | Soil | 0.4 | 37.1 | 5.1 | 66 | <0.1 | 21.5 | 10.8 | 429 | 3.04 | 2.8 | 0.6 | 2.5 | 104 | <0.1 | 0.2 | <0.1 | 65 | 0.67 | 0.027 | 15 |
| EH 231 | Soil | 0.5 | 21.1 | 4.5 | 105 | <0.1 | 17.6 | 8.8 | 637 | 2.31 | 2.1 | 0.9 | 1.5 | 78 | <0.1 | 0.1 | <0.1 | 55 | 0.62 | 0.023 | 8 |
| EH 232 | Soil | 0.7 | 19.6 | 4.3 | 54 | <0.1 | 14.0 | 8.6 | 375 | 2.16 | 1.6 | 3.4 | 1.3 | 75 | <0.1 | <0.1 | <0.1 | 60 | 0.58 | 0.037 | 7 |
| EH 233 | Soil | 0.4 | 32.1 | 5.1 | 55 | <0.1 | 24.7 | 11.7 | 505 | 2.72 | 1.9 | 2.1 | 1.8 | 75 | 0.2 | 0.1 | <0.1 | 68 | 0.74 | 0.020 | 13 |
| EH 234 | Soil | 0.3 | 29.5 | 4.5 | 49 | <0.1 | 26.2 | 11.9 | 457 | 2.90 | 1.8 | 1.1 | 2.1 | 99 | 0.2 | <0.1 | <0.1 | 72 | 0.90 | 0.022 | 15 |
| EH 235 | Soil | 0.5 | 40.8 | 5.3 | 76 | <0.1 | 28.6 | 13.3 | 724 | 3.18 | 1.5 | <0.5 | 2.2 | 120 | 0.1 | 0.1 | <0.1 | 71 | 0.79 | 0.042 | 14 |
| EH 236 | Soil | 0.3 | 24.8 | 4.7 | 95 | <0.1 | 16.1 | 8.9 | 709 | 2.48 | 1.3 | <0.5 | 1.7 | 116 | 0.2 | 0.1 | <0.1 | 61 | 0.67 | 0.030 | 11 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 9 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 207 | Soil | 31 | 0.57 | 129 | 0.150 | 5 | 2.37 | 0.036 | 0.20 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 208 | Soil | 26 | 0.55 | 121 | 0.160 | 4 | 2.06 | 0.035 | 0.29 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 209 | Soil | 47 | 0.95 | 62 | 0.220 | 4 | 2.55 | 0.059 | 0.12 | <0.1 | 0.03 | 12.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 210 | Soil | 32 | 0.66 | 107 | 0.208 | 2 | 2.08 | 0.046 | 0.28 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| EH 211 | Soil | 39 | 0.73 | 97 | 0.193 | 4 | 1.97 | 0.077 | 0.19 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 212 | Soil | 24 | 0.88 | 127 | 0.151 | 3 | 3.10 | 0.044 | 0.24 | <0.1 | 0.03 | 10.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 213 | Soil | 23 | 0.58 | 129 | 0.126 | 14 | 2.69 | 0.045 | 0.48 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 214 | Soil | 26 | 0.61 | 122 | 0.127 | 7 | 2.26 | 0.022 | 0.23 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 215 | Soil | 21 | 0.35 | 82 | 0.075 | 4 | 1.96 | 0.020 | 0.20 | <0.1 | 0.03 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 216 | Soil | 24 | 0.50 | 159 | 0.137 | 7 | 2.11 | 0.029 | 0.30 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 217 | Soil | 30 | 0.52 | 143 | 0.156 | 5 | 2.36 | 0.033 | 0.20 | <0.1 | 0.02 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 218 | Soil | 25 | 0.45 | 105 | 0.139 | 5 | 1.91 | 0.034 | 0.19 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 219 | Soil | 26 | 0.43 | 140 | 0.137 | 2 | 2.07 | 0.053 | 0.18 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 220 | Soil | 33 | 0.64 | 135 | 0.118 | 5 | 2.71 | 0.043 | 0.32 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 221 | Soil | 35 | 0.48 | 158 | 0.146 | 5 | 2.51 | 0.042 | 0.20 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| EH 222 | Soil | 20 | 0.36 | 329 | 0.094 | 7 | 2.01 | 0.040 | 0.46 | <0.1 | 0.03 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 223 | Soil | 28 | 0.52 | 135 | 0.121 | 10 | 2.39 | 0.030 | 0.35 | <0.1 | 0.02 | 6.8 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| EH 224 | Soil | 34 | 0.56 | 134 | 0.136 | 4 | 2.69 | 0.030 | 0.28 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 225 | Soil | 31 | 0.54 | 118 | 0.135 | 6 | 2.31 | 0.032 | 0.34 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 226 | Soil | 28 | 0.51 | 135 | 0.139 | 3 | 2.20 | 0.033 | 0.26 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 227 | Soil | 37 | 0.61 | 139 | 0.155 | 5 | 2.68 | 0.033 | 0.32 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 228 | Soil | 24 | 0.38 | 146 | 0.125 | 4 | 1.95 | 0.028 | 0.19 | <0.1 | 0.01 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 229 | Soil | 26 | 0.44 | 154 | 0.097 | 4 | 2.34 | 0.032 | 0.15 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 230 | Soil | 34 | 0.52 | 147 | 0.111 | 3 | 2.73 | 0.035 | 0.16 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 231 | Soil | 25 | 0.39 | 135 | 0.125 | 5 | 2.12 | 0.030 | 0.16 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 232 | Soil | 24 | 0.40 | 113 | 0.139 | 10 | 1.61 | 0.037 | 0.27 | <0.1 | 0.02 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 233 | Soil | 28 | 0.54 | 100 | 0.113 | 10 | 2.30 | 0.043 | 0.29 | <0.1 | 0.01 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 234 | Soil | 27 | 0.57 | 108 | 0.120 | 12 | 2.36 | 0.050 | 0.28 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| EH 235 | Soil | 34 | 0.64 | 149 | 0.132 | 8 | 2.65 | 0.032 | 0.41 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 236 | Soil | 23 | 0.45 | 142 | 0.135 | 5 | 2.02 | 0.030 | 0.33 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 10 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 237 | Soil | 0.4 | 27.0 | 5.4 | 63 | <0.1 | 19.2 | 9.6 | 581 | 2.53 | 1.2 | 2.0 | 1.7 | 107 | <0.1 | 0.1 | <0.1 | 68 | 0.62 | 0.030 | 12 |
| EH 238 | Soil | 0.5 | 29.2 | 5.3 | 70 | <0.1 | 24.2 | 11.2 | 517 | 2.87 | 1.1 | 0.9 | 1.9 | 117 | 0.1 | 0.2 | <0.1 | 72 | 0.69 | 0.029 | 13 |
| EH 239 | Soil | 0.3 | 40.7 | 5.1 | 75 | <0.1 | 31.0 | 15.9 | 609 | 3.50 | 1.7 | 1.5 | 2.1 | 150 | 0.2 | 0.1 | <0.1 | 83 | 0.80 | 0.040 | 15 |
| EH 240 | Soil | 0.5 | 31.2 | 5.1 | 72 | <0.1 | 25.7 | 11.9 | 600 | 2.82 | 1.2 | 4.3 | 2.1 | 89 | <0.1 | 0.1 | <0.1 | 68 | 0.64 | 0.021 | 12 |
| EH 241 | Soil | 0.6 | 27.5 | 4.5 | 78 | <0.1 | 20.1 | 10.0 | 507 | 2.48 | 1.6 | 1.7 | 1.6 | 74 | <0.1 | <0.1 | <0.1 | 61 | 0.58 | 0.032 | 9 |
| EH 242 | Soil | 0.3 | 24.2 | 4.6 | 82 | <0.1 | 18.4 | 7.8 | 365 | 2.39 | 1.7 | <0.5 | 1.7 | 81 | 0.2 | <0.1 | 0.4 | 50 | 0.64 | 0.037 | 8 |
| EH 243 | Soil | 0.4 | 37.5 | 4.7 | 82 | <0.1 | 27.3 | 15.4 | 738 | 3.26 | 1.3 | 3.2 | 2.2 | 137 | 0.1 | 0.1 | 0.2 | 91 | 0.80 | 0.035 | 20 |
| EH 244 | Soil | 0.5 | 31.6 | 5.0 | 65 | <0.1 | 24.7 | 14.9 | 875 | 2.90 | 1.1 | 1.1 | 2.1 | 138 | 0.2 | 0.2 | <0.1 | 77 | 0.78 | 0.029 | 16 |
| EH 245 | Soil | 0.5 | 41.1 | 5.1 | 83 | <0.1 | 36.4 | 17.4 | 761 | 3.33 | 0.9 | <0.5 | 2.7 | 120 | 0.2 | 0.1 | 0.1 | 72 | 0.90 | 0.034 | 22 |
| EH 246 | Soil | 0.3 | 35.3 | 4.8 | 76 | <0.1 | 27.3 | 13.8 | 613 | 3.21 | 0.7 | <0.5 | 2.9 | 93 | 0.1 | <0.1 | <0.1 | 87 | 0.79 | 0.037 | 17 |
| EH 247 | Soil | 0.6 | 37.4 | 6.0 | 128 | <0.1 | 23.0 | 9.5 | 1270 | 2.10 | 1.7 | 2.2 | 1.4 | 148 | 0.2 | 0.1 | <0.1 | 38 | 1.85 | 0.147 | 9 |
| EH 248 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 249 | Soil | 0.6 | 33.8 | 4.9 | 107 | <0.1 | 26.8 | 13.8 | 1335 | 2.69 | 1.1 | <0.5 | 1.8 | 100 | 0.1 | 0.1 | <0.1 | 61 | 0.77 | 0.035 | 9 |
| EH 250 | Soil | 0.3 | 29.2 | 5.6 | 76 | <0.1 | 25.2 | 12.2 | 808 | 2.77 | 0.8 | 1.1 | 1.9 | 106 | 0.1 | 0.1 | <0.1 | 77 | 0.72 | 0.022 | 14 |
| S P7E 005 | Rock Pulp | 6.6 | 46.0 | 4.7 | 53 | 0.5 | 32.1 | 13.3 | 496 | 3.04 | 7.0 | 734.9 | 1.4 | 47 | 0.2 | 1.0 | <0.1 | 66 | 0.85 | 0.059 | 7 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 10 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001612.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 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 |
| EH 237 | Soil | 28 | 0.45 | 135 | 0.145 | 5 | 1.92 | 0.033 | 0.34 | <0.1 | 0.01 | 5.9 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| EH 238 | Soil | 35 | 0.55 | 142 | 0.156 | 3 | 2.46 | 0.040 | 0.23 | <0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 239 | Soil | 38 | 0.73 | 158 | 0.141 | 4 | 3.19 | 0.051 | 0.26 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 240 | Soil | 32 | 0.58 | 125 | 0.155 | 3 | 2.46 | 0.040 | 0.24 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 241 | Soil | 28 | 0.53 | 119 | 0.134 | 3 | 2.18 | 0.037 | 0.21 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 242 | Soil | 25 | 0.46 | 124 | 0.123 | 8 | 2.14 | 0.029 | 0.35 | <0.1 | 0.02 | 6.2 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 243 | Soil | 29 | 0.68 | 179 | 0.148 | 3 | 2.57 | 0.058 | 0.18 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 244 | Soil | 25 | 0.67 | 148 | 0.137 | 3 | 2.39 | 0.048 | 0.30 | <0.1 | 0.03 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 245 | Soil | 37 | 0.76 | 156 | 0.118 | 5 | 2.99 | 0.035 | 0.29 | <0.1 | 0.02 | 9.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 246 | Soil | 26 | 0.73 | 104 | 0.194 | 5 | 2.38 | 0.054 | 0.28 | <0.1 | 0.03 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 247 | Soil | 19 | 0.53 | 343 | 0.073 | 18 | 1.87 | 0.029 | 0.38 | <0.1 | 0.10 | 5.6 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH 248 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 249 | Soil | 31 | 0.56 | 194 | 0.130 | 6 | 2.57 | 0.037 | 0.20 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 250 | Soil | 33 | 0.49 | 129 | 0.157 | 5 | 2.19 | 0.043 | 0.32 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| S P7E 005 | Rock Pulp | 36 | 0.76 | 152 | 0.135 | 5 | 1.58 | 0.122 | 0.15 | 28.3 | 0.05 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001612.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| EH 013 | Soil | 0.4 | 24.1 | 4.7 | 51 | <0.1 | 18.4 | 8.7 | 470 | 2.23 | 1.4 | <0.5 | 1.6 | 129 | <0.1 | 0.1 | <0.1 | 68 | 0.61 | 0.015 | 11 |
| REP EH 013 | QC | 0.3 | 23.3 | 4.5 | 51 | <0.1 | 17.4 | 8.8 | 458 | 2.19 | 1.4 | 0.7 | 1.7 | 129 | <0.1 | 0.1 | <0.1 | 67 | 0.60 | 0.014 | 12 |
| EH 049 | Soil | 0.2 | 37.8 | 4.0 | 77 | <0.1 | 67.3 | 22.0 | 792 | 4.51 | <0.5 | <0.5 | 1.6 | 83 | 0.2 | <0.1 | <0.1 | 86 | 0.76 | 0.040 | 16 |
| REP EH 049 | QC | 0.2 | 37.7 | 4.1 | 80 | <0.1 | 64.2 | 21.8 | 758 | 4.48 | 0.5 | <0.5 | 1.5 | 85 | 0.2 | 0.2 | <0.1 | 87 | 0.74 | 0.040 | 15 |
| EH 084 | Soil | 0.4 | 41.1 | 5.3 | 73 | <0.1 | 30.4 | 13.4 | 626 | 3.20 | 3.0 | 0.8 | 2.1 | 114 | 0.1 | 0.2 | 0.1 | 76 | 0.78 | 0.025 | 16 |
| REP EH 084 | QC | 0.4 | 42.9 | 5.3 | 79 | <0.1 | 30.7 | 13.4 | 630 | 3.22 | 2.6 | 0.8 | 2.1 | 114 | <0.1 | 0.2 | <0.1 | 78 | 0.82 | 0.026 | 16 |
| EH 119 | Soil | 0.4 | 58.7 | 5.0 | 65 | <0.1 | 34.2 | 14.0 | 469 | 3.55 | 2.5 | 1.8 | 2.2 | 119 | 0.2 | 0.2 | <0.1 | 84 | 0.83 | 0.029 | 15 |
| REP EH 119 | QC | 0.4 | 61.5 | 5.2 | 66 | <0.1 | 33.4 | 13.3 | 477 | 3.48 | 2.3 | 2.2 | 2.3 | 122 | 0.1 | 0.2 | <0.1 | 86 | 0.86 | 0.030 | 14 |
| EH 154 | Soil | 0.5 | 28.2 | 4.9 | 60 | <0.1 | 25.4 | 14.0 | 559 | 3.15 | 0.9 | 1.0 | 2.6 | 97 | <0.1 | <0.1 | <0.1 | 63 | 0.94 | 0.022 | 14 |
| REP EH 154 | QC | 0.4 | 29.5 | 4.9 | 63 | <0.1 | 28.3 | 14.3 | 583 | 3.21 | 0.5 | 1.5 | 2.5 | 99 | <0.1 | 0.1 | <0.1 | 63 | 0.98 | 0.023 | 14 |
| EH 191 | Soil | 0.4 | 30.2 | 5.5 | 62 | <0.1 | 22.1 | 11.9 | 697 | 2.75 | 1.1 | <0.5 | 2.1 | 126 | 0.1 | 0.2 | <0.1 | 73 | 0.71 | 0.022 | 15 |
| REP EH 191 | QC | 0.3 | 30.8 | 5.2 | 63 | <0.1 | 23.1 | 11.7 | 669 | 2.74 | 0.9 | <0.5 | 1.9 | 123 | <0.1 | 0.1 | <0.1 | 74 | 0.68 | 0.020 | 15 |
| EH 226 | Soil | 0.4 | 27.6 | 4.8 | 90 | <0.1 | 22.2 | 9.7 | 628 | 2.50 | 2.1 | <0.5 | 1.6 | 80 | <0.1 | 0.1 | 0.1 | 63 | 0.55 | 0.024 | 10 |
| REP EH 226 | QC | 0.5 | 27.7 | 4.8 | 88 | <0.1 | 21.6 | 9.7 | 619 | 2.52 | 1.7 | 0.9 | 1.6 | 80 | 0.1 | 0.1 | <0.1 | 62 | 0.54 | 0.025 | 10 |
| S P7E 005 | Rock Pulp | 6.6 | 46.0 | 4.7 | 53 | 0.5 | 32.1 | 13.3 | 496 | 3.04 | 7.0 | 734.9 | 1.4 | 47 | 0.2 | 1.0 | <0.1 | 66 | 0.85 | 0.059 | 7 |
| REP S P7E 005 | QC | 6.1 | 48.9 | 4.7 | 54 | 0.6 | 34.5 | 13.6 | 506 | 3.13 | 8.1 | 742.5 | 1.3 | 47 | 0.2 | 1.1 | <0.1 | 71 | 0.88 | 0.061 | 7 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 15.0 | 154.3 | 151.5 | 372 | 2.2 | 75.8 | 13.0 | 894 | 2.85 | 47.0 | 97.2 | 7.4 | 69 | 2.8 | 10.0 | 12.6 | 47 | 1.03 | 0.083 | 18 |
| STD DS10 | Standard | 15.7 | 157.6 | 159.3 | 358 | 1.9 | 80.1 | 13.3 | 871 | 2.76 | 44.6 | 87.7 | 8.3 | 71 | 2.4 | 10.0 | 13.1 | 44 | 1.10 | 0.074 | 19 |
| STD DS10 | Standard | 15.5 | 161.5 | 164.0 | 359 | 2.1 | 78.2 | 12.9 | 891 | 2.80 | 44.9 | 92.1 | 9.0 | 73 | 2.4 | 9.9 | 12.4 | 46 | 1.09 | 0.075 | 19 |
| STD DS10 | Standard | 15.1 | 165.3 | 162.6 | 361 | 1.9 | 80.5 | 13.4 | 901 | 2.90 | 44.6 | 118.6 | 8.7 | 70 | 2.6 | 10.1 | 13.4 | 46 | 1.09 | 0.077 | 19 |
| STD DS10 | Standard | 16.4 | 165.5 | 167.3 | 377 | 2.1 | 82.5 | 13.8 | 897 | 2.86 | 45.5 | 145.3 | 9.0 | 73 | 2.8 | 10.0 | 13.7 | 46 | 1.12 | 0.076 | 20 |
| STD DS10 | Standard | 14.0 | 158.9 | 149.3 | 358 | 2.0 | 75.7 | 12.9 | 901 | 2.82 | 45.9 | 77.6 | 7.9 | 69 | 2.5 | 10.0 | 12.7 | 46 | 1.07 | 0.079 | 19 |
| STD DS10 | Standard | 16.5 | 166.5 | 166.2 | 373 | 1.9 | 78.7 | 14.0 | 901 | 2.93 | 47.9 | 114.4 | 8.7 | 74 | 2.8 | 10.0 | 12.3 | 47 | 1.08 | 0.077 | 20 |
| STD DS10 | Standard | 16.3 | 167.2 | 167.0 | 366 | 2.1 | 80.5 | 13.8 | 914 | 2.87 | 46.8 | 117.7 | 8.8 | 76 | 2.9 | 10.4 | 13.9 | 46 | 1.08 | 0.073 | 20 |
| STD DS9 | Standard | 12.5 | 109.5 | 125.3 | 320 | 1.9 | 40.1 | 7.4 | 596 | 2.39 | 26.0 | 128.4 | 6.7 | 74 | 2.5 | 6.3 | 6.7 | 43 | 0.74 | 0.088 | 14 |
| STD DS9 | Standard | 13.4 | 111.6 | 138.2 | 317 | 1.8 | 42.4 | 7.8 | 591 | 2.28 | 25.9 | 107.7 | 7.2 | 76 | 2.4 | 6.1 | 7.5 | 39 | 0.78 | 0.083 | 15 |
| STD DS9 | Standard | 13.7 | 112.1 | 140.2 | 327 | 1.8 | 41.2 | 7.7 | 586 | 2.38 | 27.0 | 108.0 | 7.1 | 73 | 2.1 | 6.1 | 7.0 | 38 | 0.76 | 0.083 | 14 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 1 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001612.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| EH 013 | Soil | 23 | 0.45 | 130 | 0.167 | 4 | 1.63 | 0.049 | 0.25 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP EH 013 | QC | 23 | 0.44 | 131 | 0.161 | 3 | 1.55 | 0.051 | 0.26 | <0.1 | 0.01 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 049 | Soil | 47 | 1.22 | 80 | 0.228 | 3 | 2.47 | 0.051 | 0.16 | <0.1 | 0.01 | 11.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP EH 049 | QC | 49 | 1.21 | 80 | 0.224 | 3 | 2.47 | 0.054 | 0.15 | <0.1 | <0.01 | 11.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 084 | Soil | 37 | 0.74 | 134 | 0.161 | 7 | 2.79 | 0.043 | 0.35 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP EH 084 | QC | 37 | 0.74 | 135 | 0.166 | 9 | 2.80 | 0.043 | 0.35 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 119 | Soil | 43 | 0.83 | 111 | 0.143 | 5 | 2.71 | 0.039 | 0.29 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| REP EH 119 | QC | 43 | 0.88 | 115 | 0.143 | 6 | 2.63 | 0.040 | 0.29 | <0.1 | 0.02 | 9.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 154 | Soil | 21 | 0.72 | 118 | 0.103 | 3 | 2.46 | 0.039 | 0.22 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 154 | QC | 21 | 0.73 | 122 | 0.105 | 4 | 2.46 | 0.040 | 0.23 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 191 | Soil | 27 | 0.56 | 154 | 0.126 | 5 | 2.39 | 0.051 | 0.24 | <0.1 | 0.03 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 191 | QC | 28 | 0.55 | 146 | 0.125 | 2 | 2.23 | 0.050 | 0.23 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 226 | Soil | 28 | 0.51 | 135 | 0.139 | 3 | 2.20 | 0.033 | 0.26 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 226 | QC | 29 | 0.48 | 132 | 0.140 | 4 | 2.23 | 0.032 | 0.27 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| S P7E 005 | Rock Pulp | 36 | 0.76 | 152 | 0.135 | 5 | 1.58 | 0.122 | 0.15 | 28.3 | 0.05 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP S P7E 005 | QC | 37 | 0.75 | 155 | 0.151 | 3 | 1.61 | 0.145 | 0.16 | 32.2 | 0.04 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 55 | 0.80 | 370 | 0.078 | 8 | 1.11 | 0.071 | 0.36 | 3.6 | 0.31 | 3.0 | 5.4 | 0.25 | 5 | 2.3 | 5.1 |
| STD DS10 | Standard | 57 | 0.76 | 347 | 0.085 | 7 | 1.04 | 0.063 | 0.33 | 3.4 | 0.30 | 2.9 | 4.9 | 0.26 | 4 | 1.6 | 5.0 |
| STD DS10 | Standard | 57 | 0.81 | 373 | 0.083 | 8 | 1.06 | 0.063 | 0.34 | 3.3 | 0.31 | 2.7 | 4.8 | 0.23 | 5 | 2.6 | 5.3 |
| STD DS10 | Standard | 59 | 0.76 | 352 | 0.083 | 6 | 1.04 | 0.060 | 0.32 | 3.4 | 0.27 | 2.8 | 4.9 | 0.24 | 4 | 3.0 | 4.8 |
| STD DS10 | Standard | 60 | 0.80 | 367 | 0.093 | 5 | 1.12 | 0.066 | 0.34 | 3.5 | 0.29 | 2.9 | 5.1 | 0.27 | 5 | 2.5 | 5.0 |
| STD DS10 | Standard | 57 | 0.78 | 355 | 0.089 | 7 | 1.06 | 0.066 | 0.33 | 3.4 | 0.30 | 3.1 | 5.2 | 0.29 | 4 | 2.6 | 4.8 |
| STD DS10 | Standard | 61 | 0.84 | 383 | 0.091 | 7 | 1.13 | 0.071 | 0.33 | 3.4 | 0.29 | 3.1 | 5.0 | 0.23 | 5 | 2.0 | 5.6 |
| STD DS10 | Standard | 59 | 0.80 | 372 | 0.092 | 7 | 1.11 | 0.070 | 0.33 | 3.6 | 0.32 | 3.1 | 5.0 | 0.32 | 5 | 2.1 | 5.0 |
| STD DS9 | Standard | 120 | 0.62 | 307 | 0.115 | 3 | 0.97 | 0.087 | 0.40 | 3.1 | 0.21 | 2.6 | 5.7 | 0.12 | 5 | 5.5 | 4.9 |
| STD DS9 | Standard | 128 | 0.66 | 299 | 0.121 | 4 | 0.95 | 0.083 | 0.38 | 3.1 | 0.20 | 2.5 | 5.2 | 0.12 | 5 | 5.8 | 4.8 |
| STD DS9 | Standard | 124 | 0.70 | 307 | 0.111 | 3 | 0.92 | 0.078 | 0.40 | 3.2 | 0.21 | 2.3 | 5.3 | 0.11 | 5 | 6.3 | 5.5 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
Report Date: May 24, 2013

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001612.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | | 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 | 1 |
| STD DS9 | Standard | 13.2 | 110.9 | 136.5 | 304 | 1.7 | 40.7 | 7.8 | 568 | 2.32 | 25.6 | 116.7 | 7.2 | 72 | 2.5 | 6.0 | 7.2 | 43 | 0.75 | 0.082 | 14 |
| STD DS9 | Standard | 14.2 | 121.4 | 140.4 | 334 | 1.8 | 41.3 | 7.9 | 617 | 2.41 | 27.0 | 120.5 | 7.7 | 82 | 2.4 | 6.4 | 7.7 | 40 | 0.79 | 0.087 | 17 |
| STD DS9 | Standard | 12.7 | 111.3 | 125.9 | 305 | 1.8 | 42.1 | 8.0 | 590 | 2.36 | 25.2 | 113.0 | 6.9 | 75 | 2.4 | 6.2 | 6.9 | 43 | 0.72 | 0.084 | 15 |
| STD DS9 | Standard | 14.2 | 113.4 | 132.0 | 316 | 1.7 | 41.7 | 7.9 | 594 | 2.41 | 26.8 | 128.0 | 7.0 | 75 | 2.4 | 6.0 | 6.7 | 42 | 0.73 | 0.085 | 15 |
| STD DS9 | Standard | 14.8 | 119.9 | 139.3 | 328 | 1.8 | 42.6 | 8.0 | 635 | 2.48 | 27.2 | 107.1 | 7.7 | 82 | 2.4 | 6.5 | 7.6 | 44 | 0.84 | 0.080 | 17 |
| 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 | 13.3 |
| BLK | Blank | <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 | 3 | <0.01 | <0.001 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <0.1 | 0.3 | <0.1 | <1 | <0.1 | 0.2 | <0.1 | 2 | 0.03 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | 0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | 0.2 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | 0.02 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | 0.8 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: None Given
 Report Date: May 24, 2013

Page: 2 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001612.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|------------------|----------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | 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 |
| STD DS9 | Standard | 121 | 0.66 | 299 | 0.118 | <1 | 0.93 | 0.075 | 0.38 | 2.9 | 0.20 | 2.3 | 5.2 | 0.10 | 4 | 5.9 | 5.2 |
| STD DS9 | Standard | 132 | 0.73 | 316 | 0.132 | 3 | 1.01 | 0.091 | 0.42 | 3.2 | 0.21 | 2.6 | 5.3 | 0.13 | 5 | 5.8 | 5.2 |
| STD DS9 | Standard | 123 | 0.62 | 307 | 0.125 | 4 | 0.94 | 0.085 | 0.39 | 3.1 | 0.20 | 2.6 | 5.4 | 0.15 | 4 | 5.8 | 5.2 |
| STD DS9 | Standard | 124 | 0.64 | 309 | 0.124 | 2 | 0.98 | 0.085 | 0.39 | 3.0 | 0.20 | 2.5 | 5.2 | 0.13 | 5 | 5.3 | 5.4 |
| STD DS9 | Standard | 132 | 0.71 | 315 | 0.137 | 2 | 1.02 | 0.092 | 0.41 | 3.0 | 0.21 | 2.8 | 5.3 | 0.19 | 5 | 5.2 | 5.5 |
| STD DS9 Expected | | 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 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | 0.2 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <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 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: May 15, 2013
Report Date: May 30, 2013
Page: 1 of 10

CERTIFICATE OF ANALYSIS

VAN13001613.1

CLIENT JOB INFORMATION

Project: GP-13
Shipment ID:
P.O. Number
Number of Samples: 255

SAMPLE DISPOSAL

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

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

Invoice To: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| Dry at 60C | 250 | Dry at 60C | | | VAN |
| SS80 | 250 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| 1DX2 | 255 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |
| DISP2 | 255 | Heat treatment of Soils and Sediments | | | 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.



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Mammoth Geological Ltd.**

2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Project: GP-13

Report Date: May 30, 2013

Page: 2 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 001 | Soil | 0.3 | 36.0 | 5.3 | 55 | <0.1 | 23.8 | 11.2 | 536 | 2.62 | 2.3 | 1.6 | 2.0 | 123 | <0.1 | 0.2 | 0.1 | 67 | 0.69 | 0.022 | 14 |
| JT 002 | Soil | 0.3 | 46.2 | 6.3 | 53 | <0.1 | 25.3 | 10.1 | 387 | 3.17 | 2.4 | 2.5 | 2.6 | 113 | <0.1 | 0.2 | 0.1 | 64 | 0.69 | 0.025 | 14 |
| JT 003 | Soil | 0.3 | 34.1 | 5.0 | 52 | <0.1 | 23.6 | 11.5 | 622 | 2.65 | 2.3 | 0.6 | 2.0 | 120 | <0.1 | 0.2 | <0.1 | 69 | 0.67 | 0.021 | 14 |
| JT 004 | Soil | 0.4 | 43.6 | 5.3 | 57 | <0.1 | 30.0 | 13.0 | 603 | 3.10 | 3.5 | 1.3 | 2.3 | 130 | 0.1 | 0.3 | <0.1 | 73 | 0.89 | 0.087 | 16 |
| JT 005 | Soil | 0.3 | 36.1 | 5.5 | 58 | <0.1 | 22.2 | 10.7 | 568 | 2.58 | 2.7 | <0.5 | 1.8 | 122 | <0.1 | 0.2 | <0.1 | 69 | 0.70 | 0.027 | 14 |
| JT 006 | Soil | 0.3 | 33.4 | 4.6 | 53 | <0.1 | 19.2 | 8.5 | 335 | 2.57 | 2.4 | 0.9 | 1.6 | 122 | 0.1 | 0.2 | <0.1 | 65 | 0.64 | 0.019 | 14 |
| JT 007 | Soil | 0.2 | 34.1 | 5.2 | 56 | <0.1 | 20.8 | 11.3 | 608 | 2.76 | 3.2 | <0.5 | 1.7 | 90 | <0.1 | 0.3 | <0.1 | 66 | 0.61 | 0.033 | 14 |
| JT 008 | Soil | 0.1 | 46.1 | 4.6 | 60 | <0.1 | 11.1 | 8.1 | 271 | 2.99 | 3.9 | <0.5 | 2.1 | 151 | <0.1 | <0.1 | <0.1 | 60 | 0.77 | 0.037 | 21 |
| JT 009 | Soil | 0.2 | 34.8 | 4.7 | 67 | <0.1 | 18.2 | 10.2 | 420 | 3.15 | 2.9 | <0.5 | 1.7 | 124 | 0.1 | <0.1 | <0.1 | 78 | 0.62 | 0.023 | 14 |
| JT 010 | Soil | 0.3 | 36.2 | 5.1 | 56 | <0.1 | 20.7 | 10.9 | 530 | 2.74 | 2.5 | <0.5 | 1.9 | 126 | 0.2 | 0.1 | <0.1 | 69 | 0.66 | 0.023 | 14 |
| JT 011 | Soil | 0.3 | 26.5 | 4.2 | 49 | <0.1 | 19.8 | 8.4 | 348 | 2.30 | 1.7 | <0.5 | 1.7 | 114 | <0.1 | 0.1 | <0.1 | 61 | 0.57 | 0.016 | 11 |
| JT 012 | Soil | 0.2 | 51.3 | 4.8 | 50 | <0.1 | 27.3 | 9.8 | 333 | 3.19 | 2.0 | 2.2 | 2.4 | 133 | <0.1 | 0.2 | <0.1 | 70 | 0.81 | 0.023 | 12 |
| JT 013 | Soil | 0.3 | 49.6 | 5.1 | 56 | <0.1 | 26.0 | 10.7 | 421 | 3.18 | 1.9 | 0.6 | 2.2 | 130 | <0.1 | 0.2 | <0.1 | 70 | 0.74 | 0.024 | 13 |
| JT 014 | Soil | 0.2 | 22.7 | 3.9 | 44 | <0.1 | 17.1 | 8.5 | 483 | 2.04 | 1.4 | <0.5 | 1.3 | 123 | <0.1 | 0.1 | 0.2 | 60 | 0.52 | 0.011 | 10 |
| JT 015 | Soil | 0.2 | 30.1 | 4.9 | 48 | <0.1 | 20.9 | 10.1 | 458 | 2.42 | 1.2 | 0.7 | 1.7 | 112 | 0.1 | 0.1 | 0.1 | 60 | 0.61 | 0.021 | 11 |
| JT 016 | Soil | 0.3 | 28.9 | 4.9 | 46 | <0.1 | 20.1 | 10.1 | 466 | 2.51 | 1.5 | 1.4 | 1.8 | 118 | <0.1 | 0.1 | <0.1 | 65 | 0.61 | 0.030 | 12 |
| JT 017 | Soil | 0.3 | 37.2 | 4.6 | 62 | <0.1 | 25.3 | 11.2 | 494 | 2.80 | 2.3 | 0.7 | 1.8 | 121 | 0.1 | 0.2 | <0.1 | 72 | 0.72 | 0.024 | 12 |
| JT 018 | Soil | 0.3 | 31.6 | 4.3 | 55 | <0.1 | 22.5 | 12.0 | 762 | 2.51 | 1.8 | <0.5 | 1.7 | 131 | <0.1 | 0.2 | <0.1 | 66 | 0.81 | 0.026 | 13 |
| JT 019 | Soil | 0.5 | 38.3 | 4.9 | 56 | <0.1 | 29.8 | 15.8 | 734 | 2.89 | 1.6 | 9.0 | 2.0 | 180 | <0.1 | 0.1 | <0.1 | 85 | 0.54 | 0.029 | 15 |
| JT 020 | Soil | 0.2 | 48.2 | 4.3 | 47 | <0.1 | 31.6 | 13.6 | 493 | 2.99 | 1.8 | 1.2 | 2.5 | 141 | <0.1 | 0.1 | <0.1 | 75 | 0.91 | 0.075 | 17 |
| JT 021 | Soil | 0.3 | 27.7 | 4.3 | 42 | <0.1 | 21.4 | 10.1 | 462 | 2.33 | 1.3 | <0.5 | 1.7 | 139 | <0.1 | 0.1 | <0.1 | 69 | 0.79 | 0.019 | 14 |
| JT 022 | Soil | 0.4 | 38.1 | 5.3 | 58 | <0.1 | 25.2 | 12.2 | 657 | 2.89 | 1.7 | 0.9 | 2.0 | 144 | <0.1 | 0.1 | 0.1 | 72 | 0.80 | 0.033 | 14 |
| JT 023 | Soil | 0.4 | 38.8 | 4.8 | 62 | <0.1 | 25.9 | 13.0 | 683 | 2.71 | 2.1 | 0.6 | 2.0 | 110 | 0.1 | 0.1 | <0.1 | 65 | 0.87 | 0.050 | 14 |
| JT 024 | Soil | 0.3 | 38.1 | 4.9 | 64 | <0.1 | 28.3 | 12.2 | 599 | 2.81 | 1.9 | <0.5 | 1.9 | 116 | 0.2 | 0.2 | <0.1 | 69 | 0.67 | 0.027 | 13 |
| JT 025 | Soil | 0.4 | 34.8 | 5.0 | 70 | <0.1 | 26.0 | 12.5 | 641 | 2.57 | 1.4 | <0.5 | 1.9 | 101 | 0.1 | 0.2 | <0.1 | 64 | 0.71 | 0.030 | 12 |
| JT 026 | Soil | 0.3 | 31.7 | 4.4 | 73 | <0.1 | 24.2 | 11.5 | 647 | 2.48 | 1.2 | <0.5 | 1.7 | 97 | 0.1 | <0.1 | <0.1 | 58 | 0.78 | 0.034 | 9 |
| JT 027 | Soil | 0.5 | 37.5 | 5.7 | 82 | <0.1 | 26.2 | 15.7 | 973 | 2.71 | 1.2 | <0.5 | 1.8 | 108 | 0.2 | 0.1 | <0.1 | 74 | 0.85 | 0.032 | 11 |
| JT 028 | Soil | 0.5 | 28.2 | 5.0 | 66 | <0.1 | 23.2 | 11.5 | 626 | 2.51 | 1.4 | <0.5 | 1.7 | 103 | <0.1 | 0.2 | <0.1 | 67 | 0.61 | 0.023 | 13 |
| JT 029 | Soil | 0.3 | 46.8 | 5.2 | 63 | <0.1 | 32.1 | 15.8 | 537 | 3.19 | 2.3 | 0.7 | 2.1 | 129 | 0.1 | 0.2 | <0.1 | 76 | 0.75 | 0.029 | 17 |
| JT 030 | Soil | 0.4 | 42.1 | 4.9 | 60 | <0.1 | 31.9 | 13.5 | 484 | 3.15 | 2.6 | 0.7 | 2.0 | 106 | 0.2 | 0.2 | <0.1 | 76 | 0.86 | 0.028 | 14 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: May 30, 2013

Page: 2 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 001 | Soil | 27 | 0.56 | 138 | 0.124 | 4 | 1.88 | 0.039 | 0.24 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 002 | Soil | 30 | 0.64 | 144 | 0.128 | 5 | 2.44 | 0.033 | 0.32 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 003 | Soil | 27 | 0.54 | 134 | 0.140 | 5 | 1.86 | 0.046 | 0.22 | <0.1 | 0.03 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 004 | Soil | 33 | 0.80 | 141 | 0.117 | 6 | 2.37 | 0.044 | 0.22 | <0.1 | 0.03 | 9.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 005 | Soil | 24 | 0.46 | 166 | 0.137 | 8 | 2.03 | 0.030 | 0.34 | <0.1 | 0.04 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 006 | Soil | 27 | 0.46 | 131 | 0.145 | 5 | 2.01 | 0.038 | 0.23 | <0.1 | 0.03 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 007 | Soil | 24 | 0.48 | 117 | 0.090 | 7 | 1.90 | 0.024 | 0.30 | <0.1 | 0.09 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 008 | Soil | 22 | 0.87 | 116 | 0.041 | 5 | 2.58 | 0.013 | 0.22 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 009 | Soil | 25 | 0.77 | 135 | 0.119 | 4 | 2.43 | 0.027 | 0.27 | <0.1 | 0.04 | 7.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 010 | Soil | 24 | 0.64 | 130 | 0.134 | 5 | 2.09 | 0.035 | 0.29 | <0.1 | 0.03 | 7.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 011 | Soil | 24 | 0.50 | 122 | 0.169 | 6 | 1.82 | 0.043 | 0.31 | <0.1 | <0.01 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 012 | Soil | 38 | 0.86 | 125 | 0.147 | 6 | 2.72 | 0.046 | 0.27 | <0.1 | 0.02 | 10.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 013 | Soil | 33 | 0.72 | 120 | 0.127 | 7 | 2.54 | 0.039 | 0.26 | <0.1 | 0.03 | 9.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 014 | Soil | 21 | 0.44 | 134 | 0.142 | 9 | 1.45 | 0.044 | 0.28 | <0.1 | 0.01 | 4.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 015 | Soil | 24 | 0.54 | 135 | 0.139 | 15 | 1.96 | 0.039 | 0.41 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 016 | Soil | 25 | 0.49 | 134 | 0.150 | 12 | 1.97 | 0.038 | 0.44 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 017 | Soil | 30 | 0.66 | 134 | 0.152 | 10 | 2.42 | 0.047 | 0.33 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 018 | Soil | 22 | 0.82 | 134 | 0.117 | 17 | 1.97 | 0.072 | 0.36 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 019 | Soil | 20 | 1.21 | 163 | 0.111 | 54 | 2.85 | 0.599 | 0.40 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 020 | Soil | 25 | 0.83 | 118 | 0.103 | 11 | 2.22 | 0.047 | 0.30 | <0.1 | 0.03 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 021 | Soil | 22 | 0.63 | 130 | 0.146 | 14 | 1.75 | 0.069 | 0.21 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 022 | Soil | 28 | 0.69 | 131 | 0.130 | 10 | 2.45 | 0.046 | 0.26 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 023 | Soil | 28 | 0.64 | 124 | 0.104 | 20 | 2.39 | 0.033 | 0.45 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 024 | Soil | 30 | 0.65 | 126 | 0.139 | 12 | 2.39 | 0.033 | 0.40 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 025 | Soil | 27 | 0.60 | 147 | 0.152 | 8 | 2.50 | 0.036 | 0.42 | <0.1 | 0.01 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 026 | Soil | 25 | 0.59 | 146 | 0.139 | 10 | 2.36 | 0.038 | 0.40 | <0.1 | 0.01 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 027 | Soil | 27 | 0.65 | 146 | 0.143 | 7 | 2.35 | 0.053 | 0.28 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 028 | Soil | 26 | 0.52 | 129 | 0.153 | 5 | 2.07 | 0.035 | 0.28 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 029 | Soil | 34 | 0.83 | 132 | 0.128 | 4 | 2.87 | 0.038 | 0.21 | <0.1 | 0.03 | 9.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 030 | Soil | 37 | 0.76 | 128 | 0.155 | 3 | 3.00 | 0.035 | 0.28 | <0.1 | 0.01 | 9.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: May 30, 2013

Page: 3 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | 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 | 2 | 0.01 | 0.001 | 1 | |
| JT 031 | Soil | 0.3 | 32.0 | 4.9 | 63 | <0.1 | 25.9 | 12.2 | 609 | 2.70 | 1.7 | 0.6 | 1.9 | 87 | <0.1 | 0.1 | <0.1 | 61 | 0.67 | 0.027 | 11 |
| JT 032 | Soil | 0.4 | 43.3 | 5.1 | 60 | <0.1 | 41.3 | 15.9 | 505 | 3.52 | 1.8 | <0.5 | 2.0 | 106 | 0.2 | 0.2 | <0.1 | 78 | 0.87 | 0.044 | 14 |
| JT 033 | Soil | 0.3 | 43.6 | 5.0 | 58 | <0.1 | 33.9 | 16.0 | 589 | 3.42 | 1.8 | <0.5 | 2.2 | 134 | 0.1 | <0.1 | <0.1 | 74 | 0.82 | 0.041 | 16 |
| JT 034 | Soil | 0.4 | 40.5 | 4.0 | 83 | <0.1 | 40.5 | 15.1 | 582 | 3.77 | 1.2 | <0.5 | 1.6 | 74 | 0.1 | 0.1 | <0.1 | 70 | 0.76 | 0.052 | 11 |
| JT 035 | Soil | 0.4 | 33.0 | 3.9 | 94 | <0.1 | 49.2 | 15.9 | 618 | 3.53 | 0.9 | 0.6 | 1.4 | 50 | <0.1 | <0.1 | <0.1 | 70 | 0.62 | 0.045 | 10 |
| JT 036 | Soil | 0.2 | 29.2 | 3.3 | 88 | <0.1 | 48.7 | 14.6 | 524 | 3.55 | 0.6 | <0.5 | 1.4 | 48 | <0.1 | <0.1 | <0.1 | 72 | 0.57 | 0.028 | 8 |
| JT 037 | Soil | 0.2 | 39.6 | 3.4 | 63 | <0.1 | 72.3 | 18.9 | 420 | 4.30 | <0.5 | <0.5 | 1.9 | 56 | 0.1 | <0.1 | 0.1 | 85 | 0.63 | 0.042 | 15 |
| JT 038 | Soil | 0.4 | 35.7 | 5.1 | 65 | <0.1 | 49.3 | 19.1 | 779 | 3.20 | 0.5 | <0.5 | 1.6 | 92 | 0.1 | 0.1 | 0.1 | 77 | 0.62 | 0.027 | 12 |
| JT 039 | Soil | 0.2 | 45.8 | 4.9 | 68 | 0.1 | 90.7 | 22.4 | 579 | 4.94 | <0.5 | <0.5 | 2.7 | 94 | 0.1 | <0.1 | <0.1 | 88 | 0.90 | 0.027 | 13 |
| JT 040 | Soil | 0.3 | 43.6 | 4.7 | 68 | <0.1 | 56.8 | 16.1 | 536 | 3.97 | 0.6 | 1.7 | 2.1 | 72 | 0.1 | 0.1 | <0.1 | 77 | 0.70 | 0.022 | 14 |
| JT 041 | Soil | 0.4 | 59.1 | 4.1 | 57 | 0.2 | 60.1 | 14.0 | 297 | 4.14 | 0.8 | 0.7 | 2.3 | 82 | 0.1 | 0.1 | <0.1 | 90 | 0.80 | 0.038 | 14 |
| JT 042 | Soil | 0.2 | 40.1 | 4.5 | 72 | <0.1 | 48.5 | 15.8 | 604 | 3.57 | <0.5 | <0.5 | 2.7 | 65 | 0.1 | <0.1 | 0.2 | 84 | 0.65 | 0.024 | 16 |
| JT 043 | Soil | 0.1 | 28.4 | 2.9 | 62 | <0.1 | 55.8 | 15.6 | 440 | 3.18 | <0.5 | <0.5 | 2.4 | 61 | 0.1 | <0.1 | 0.1 | 90 | 0.80 | 0.071 | 15 |
| JT 044 | Soil | 0.2 | 33.0 | 4.5 | 79 | <0.1 | 41.3 | 12.5 | 426 | 3.57 | <0.5 | <0.5 | 2.3 | 78 | 0.2 | <0.1 | 0.1 | 67 | 0.75 | 0.036 | 14 |
| JT 045 | Soil | 0.2 | 45.9 | 4.7 | 65 | <0.1 | 55.8 | 17.4 | 572 | 3.66 | <0.5 | 1.5 | 2.5 | 88 | 0.1 | <0.1 | <0.1 | 93 | 0.79 | 0.055 | 15 |
| JT 046 | Soil | 0.2 | 42.9 | 4.3 | 68 | <0.1 | 59.3 | 17.3 | 533 | 3.83 | <0.5 | <0.5 | 2.3 | 78 | 0.1 | <0.1 | <0.1 | 100 | 0.84 | 0.083 | 14 |
| JT 047 | Soil | 0.2 | 55.6 | 4.0 | 58 | 0.2 | 59.4 | 15.9 | 387 | 3.97 | <0.5 | <0.5 | 2.3 | 78 | 0.1 | <0.1 | <0.1 | 107 | 0.73 | 0.042 | 12 |
| JT 048 | Soil | 0.3 | 30.5 | 3.7 | 83 | <0.1 | 38.2 | 11.4 | 366 | 3.34 | <0.5 | <0.5 | 1.7 | 66 | 0.1 | <0.1 | <0.1 | 89 | 0.59 | 0.028 | 13 |
| JT 049 | Soil | 0.3 | 20.1 | 4.0 | 84 | <0.1 | 29.0 | 10.6 | 467 | 2.73 | <0.5 | <0.5 | 1.4 | 62 | <0.1 | <0.1 | 0.2 | 59 | 0.54 | 0.021 | 9 |
| JT 050 | Soil | 0.1 | 53.1 | 4.3 | 61 | <0.1 | 65.7 | 18.2 | 316 | 4.22 | <0.5 | <0.5 | 2.5 | 45 | 0.1 | <0.1 | 0.1 | 104 | 0.66 | 0.024 | 15 |
| S P7E 006 | Rock Pulp | 6.7 | 45.5 | 5.2 | 51 | 0.5 | 31.5 | 13.3 | 474 | 2.91 | 7.0 | 719.5 | 1.3 | 44 | 0.2 | 1.0 | 0.2 | 61 | 0.81 | 0.054 | 7 |
| JT 051 | Soil | 0.4 | 33.1 | 4.6 | 82 | <0.1 | 54.0 | 18.0 | 736 | 3.46 | <0.5 | <0.5 | 1.7 | 74 | 0.2 | <0.1 | <0.1 | 75 | 0.61 | 0.031 | 13 |
| JT 052 | Soil | 0.3 | 38.4 | 5.3 | 61 | <0.1 | 42.6 | 19.0 | 590 | 3.54 | 1.1 | <0.5 | 2.2 | 124 | 0.1 | 0.1 | <0.1 | 71 | 0.76 | 0.026 | 15 |
| JT 053 | Soil | 0.3 | 48.1 | 4.2 | 68 | <0.1 | 109.5 | 32.2 | 681 | 5.43 | <0.5 | <0.5 | 1.3 | 140 | <0.1 | <0.1 | <0.1 | 98 | 1.00 | 0.066 | 9 |
| JT 054 | Soil | 0.3 | 37.1 | 2.9 | 66 | <0.1 | 79.7 | 24.7 | 688 | 4.61 | <0.5 | <0.5 | 1.5 | 76 | <0.1 | <0.1 | <0.1 | 98 | 0.66 | 0.044 | 14 |
| JT 055 | Soil | 0.2 | 40.3 | 2.7 | 67 | <0.1 | 71.1 | 21.0 | 589 | 4.58 | <0.5 | <0.5 | 1.6 | 100 | <0.1 | <0.1 | <0.1 | 91 | 0.64 | 0.030 | 13 |
| JT 056 | Soil | 0.4 | 30.1 | 4.2 | 72 | <0.1 | 32.7 | 12.9 | 517 | 3.16 | 0.7 | <0.5 | 1.7 | 94 | 0.1 | <0.1 | <0.1 | 66 | 0.65 | 0.023 | 14 |
| JT 057 | Soil | 0.3 | 38.6 | 3.9 | 61 | <0.1 | 45.7 | 18.5 | 740 | 4.00 | 1.3 | <0.5 | 1.6 | 139 | 0.1 | <0.1 | <0.1 | 71 | 0.88 | 0.039 | 15 |
| JT 058 | Soil | 0.4 | 34.3 | 4.6 | 69 | <0.1 | 42.5 | 17.6 | 602 | 3.56 | 0.8 | <0.5 | 1.8 | 93 | 0.1 | 0.1 | <0.1 | 63 | 0.72 | 0.040 | 15 |
| JT 059 | Soil | 0.4 | 40.5 | 5.3 | 58 | <0.1 | 33.7 | 14.0 | 509 | 2.95 | 1.2 | <0.5 | 2.1 | 96 | 0.2 | 0.2 | <0.1 | 62 | 0.76 | 0.029 | 14 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 3 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 031 | Soil | 30 | 0.61 | 139 | 0.133 | 8 | 2.53 | 0.031 | 0.32 | <0.1 | <0.01 | 7.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 032 | Soil | 44 | 0.93 | 130 | 0.149 | 5 | 3.19 | 0.037 | 0.28 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 8 | 0.6 | <0.2 |
| JT 033 | Soil | 33 | 1.22 | 126 | 0.105 | 3 | 3.25 | 0.037 | 0.21 | <0.1 | 0.03 | 10.4 | <0.1 | <0.05 | 8 | 0.7 | <0.2 |
| JT 034 | Soil | 50 | 1.21 | 94 | 0.166 | 9 | 3.12 | 0.026 | 0.40 | <0.1 | 0.01 | 8.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 035 | Soil | 44 | 0.91 | 68 | 0.222 | 5 | 1.96 | 0.034 | 0.20 | <0.1 | <0.01 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 036 | Soil | 45 | 0.81 | 59 | 0.219 | 2 | 1.88 | 0.040 | 0.16 | <0.1 | <0.01 | 8.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 037 | Soil | 47 | 1.32 | 55 | 0.235 | 3 | 2.03 | 0.040 | 0.09 | <0.1 | <0.01 | 10.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 038 | Soil | 38 | 0.81 | 113 | 0.181 | 2 | 2.06 | 0.047 | 0.13 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 039 | Soil | 57 | 2.00 | 95 | 0.174 | 2 | 2.89 | 0.042 | 0.16 | <0.1 | 0.01 | 16.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 040 | Soil | 50 | 1.10 | 90 | 0.188 | 3 | 2.55 | 0.040 | 0.17 | <0.1 | 0.01 | 12.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 041 | Soil | 59 | 1.19 | 95 | 0.183 | 3 | 2.75 | 0.046 | 0.10 | <0.1 | 0.01 | 12.5 | <0.1 | <0.05 | 8 | 0.6 | <0.2 |
| JT 042 | Soil | 41 | 1.09 | 73 | 0.200 | 3 | 2.01 | 0.062 | 0.14 | <0.1 | <0.01 | 9.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 043 | Soil | 51 | 1.54 | 45 | 0.179 | 2 | 1.83 | 0.086 | 0.07 | <0.1 | <0.01 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 044 | Soil | 47 | 0.85 | 103 | 0.197 | 6 | 2.32 | 0.051 | 0.22 | <0.1 | 0.02 | 11.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 045 | Soil | 42 | 1.61 | 90 | 0.172 | 2 | 1.89 | 0.067 | 0.11 | <0.1 | <0.01 | 9.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 046 | Soil | 29 | 1.28 | 74 | 0.207 | 2 | 1.95 | 0.057 | 0.15 | <0.1 | 0.01 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 047 | Soil | 40 | 1.60 | 72 | 0.214 | 3 | 2.13 | 0.058 | 0.09 | <0.1 | 0.01 | 10.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 048 | Soil | 46 | 0.69 | 71 | 0.200 | 4 | 1.83 | 0.052 | 0.13 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 049 | Soil | 35 | 0.46 | 83 | 0.184 | 2 | 1.81 | 0.042 | 0.15 | <0.1 | 0.01 | 7.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 050 | Soil | 59 | 1.21 | 40 | 0.270 | 2 | 1.89 | 0.046 | 0.07 | <0.1 | 0.01 | 15.1 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| S P7E 006 | Rock Pulp | 35 | 0.71 | 145 | 0.133 | 5 | 1.49 | 0.115 | 0.14 | 24.8 | 0.05 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 051 | Soil | 47 | 0.88 | 95 | 0.175 | 3 | 2.06 | 0.039 | 0.16 | <0.1 | 0.01 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 052 | Soil | 39 | 0.92 | 141 | 0.131 | 3 | 3.15 | 0.039 | 0.16 | <0.1 | 0.02 | 10.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 053 | Soil | 54 | 2.80 | 80 | 0.196 | 2 | 2.43 | 0.044 | 0.13 | <0.1 | <0.01 | 10.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 054 | Soil | 47 | 1.55 | 50 | 0.263 | 1 | 1.97 | 0.049 | 0.11 | <0.1 | <0.01 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 055 | Soil | 46 | 1.38 | 60 | 0.276 | 3 | 1.98 | 0.039 | 0.18 | <0.1 | <0.01 | 9.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 056 | Soil | 39 | 0.73 | 130 | 0.152 | 6 | 2.43 | 0.031 | 0.35 | <0.1 | 0.01 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 057 | Soil | 45 | 1.53 | 136 | 0.136 | 3 | 3.06 | 0.034 | 0.26 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 058 | Soil | 43 | 0.87 | 125 | 0.104 | 8 | 2.92 | 0.027 | 0.41 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 059 | Soil | 35 | 0.76 | 131 | 0.092 | 5 | 2.83 | 0.025 | 0.42 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 4 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 060 | Soil | 0.3 | 32.5 | 4.9 | 57 | <0.1 | 24.1 | 12.0 | 513 | 2.82 | 1.3 | <0.5 | 2.1 | 108 | 0.2 | 0.2 | <0.1 | 70 | 0.65 | 0.022 | 14 |
| JT 061 | Soil | 0.5 | 26.9 | 4.4 | 78 | <0.1 | 21.5 | 11.0 | 791 | 2.36 | 0.9 | 2.7 | 1.6 | 91 | 0.2 | 0.1 | <0.1 | 59 | 0.63 | 0.030 | 11 |
| JT 062 | Soil | 0.3 | 24.8 | 4.4 | 58 | <0.1 | 19.3 | 9.6 | 468 | 2.51 | 0.9 | <0.5 | 1.7 | 125 | <0.1 | 0.2 | <0.1 | 68 | 0.63 | 0.020 | 13 |
| JT 063 | Soil | 0.3 | 32.5 | 4.4 | 75 | <0.1 | 21.0 | 9.6 | 504 | 2.38 | 1.9 | <0.5 | 1.8 | 102 | 0.1 | 0.1 | <0.1 | 63 | 0.60 | 0.017 | 11 |
| JT 064 | Soil | 0.5 | 36.5 | 4.8 | 64 | <0.1 | 28.3 | 12.3 | 500 | 2.69 | 2.0 | <0.5 | 1.9 | 99 | 0.2 | 0.2 | <0.1 | 65 | 0.75 | 0.027 | 12 |
| JT 065 | Soil | 0.4 | 31.9 | 4.8 | 71 | <0.1 | 27.0 | 11.0 | 585 | 2.60 | 1.9 | <0.5 | 1.7 | 83 | 0.1 | 0.1 | <0.1 | 61 | 0.62 | 0.025 | 10 |
| JT 066 | Soil | 0.3 | 43.3 | 4.9 | 55 | <0.1 | 28.4 | 11.2 | 392 | 2.94 | 2.1 | 0.9 | 2.2 | 121 | 0.1 | 0.2 | <0.1 | 64 | 0.69 | 0.027 | 14 |
| JT 067 | Soil | 0.3 | 44.8 | 5.8 | 53 | <0.1 | 27.9 | 11.8 | 477 | 2.98 | 2.8 | 0.6 | 2.5 | 130 | <0.1 | 0.2 | <0.1 | 65 | 0.89 | 0.086 | 17 |
| JT 068 | Soil | 0.3 | 42.6 | 4.5 | 64 | <0.1 | 26.7 | 11.1 | 397 | 2.88 | 2.1 | 1.2 | 1.9 | 117 | <0.1 | 0.2 | <0.1 | 71 | 0.78 | 0.021 | 13 |
| JT 069 | Soil | 0.2 | 45.2 | 4.5 | 54 | <0.1 | 31.0 | 11.7 | 391 | 3.12 | 1.5 | <0.5 | 2.1 | 120 | <0.1 | 0.1 | <0.1 | 70 | 0.74 | 0.027 | 14 |
| JT 070 | Soil | 0.3 | 31.4 | 4.7 | 59 | <0.1 | 26.1 | 11.0 | 463 | 2.65 | 2.1 | <0.5 | 1.9 | 118 | <0.1 | 0.1 | <0.1 | 66 | 0.68 | 0.029 | 14 |
| JT 071 | Soil | 0.2 | 30.4 | 4.4 | 62 | <0.1 | 23.0 | 10.5 | 468 | 2.63 | 1.6 | <0.5 | 1.7 | 111 | <0.1 | 0.2 | <0.1 | 65 | 0.66 | 0.031 | 12 |
| JT 072 | Soil | 0.3 | 29.5 | 4.8 | 67 | <0.1 | 21.7 | 9.6 | 437 | 2.65 | 1.2 | 1.2 | 1.7 | 102 | <0.1 | 0.2 | 0.1 | 62 | 0.59 | 0.017 | 10 |
| JT 073 | Soil | 0.3 | 45.2 | 4.9 | 61 | <0.1 | 31.6 | 11.3 | 318 | 3.25 | 2.2 | <0.5 | 2.2 | 125 | 0.1 | 0.2 | <0.1 | 69 | 0.67 | 0.023 | 12 |
| JT 074 | Soil | 0.4 | 63.5 | 4.4 | 63 | <0.1 | 20.0 | 10.7 | 299 | 3.50 | 4.3 | 0.7 | 2.6 | 103 | <0.1 | 0.2 | 0.1 | 76 | 0.88 | 0.029 | 15 |
| JT 075 | Soil | 0.2 | 46.8 | 5.2 | 57 | <0.1 | 26.5 | 11.3 | 455 | 3.23 | 2.2 | 1.8 | 2.4 | 134 | <0.1 | 0.1 | <0.1 | 70 | 0.78 | 0.029 | 14 |
| JT 076 | Soil | 0.3 | 22.3 | 4.7 | 63 | <0.1 | 17.2 | 9.0 | 518 | 2.30 | 1.1 | <0.5 | 1.5 | 120 | <0.1 | <0.1 | <0.1 | 68 | 0.60 | 0.013 | 10 |
| JT 077 | Soil | 0.2 | 43.1 | 5.1 | 49 | <0.1 | 25.7 | 10.7 | 460 | 3.05 | 1.4 | 1.8 | 2.2 | 143 | <0.1 | 0.2 | <0.1 | 70 | 0.72 | 0.022 | 12 |
| JT 078 | Soil | 0.3 | 23.3 | 4.2 | 56 | <0.1 | 17.4 | 8.9 | 485 | 2.21 | 0.6 | <0.5 | 1.5 | 126 | <0.1 | 0.1 | <0.1 | 63 | 0.58 | 0.013 | 11 |
| JT 079 | Soil | 0.3 | 40.6 | 4.8 | 53 | <0.1 | 27.5 | 12.0 | 555 | 2.97 | 1.2 | 1.0 | 2.2 | 141 | 0.1 | 0.1 | 0.2 | 71 | 0.73 | 0.023 | 16 |
| JT 080 | Soil | 0.3 | 34.4 | 4.9 | 68 | <0.1 | 25.5 | 12.8 | 774 | 2.83 | 1.4 | 1.2 | 2.0 | 132 | 0.1 | 0.1 | 0.1 | 74 | 0.68 | 0.018 | 13 |
| JT 081 | Soil | 0.3 | 47.3 | 4.8 | 52 | <0.1 | 26.4 | 11.9 | 503 | 3.41 | 2.2 | 2.1 | 2.4 | 162 | 0.1 | 0.2 | <0.1 | 78 | 0.91 | 0.057 | 16 |
| JT 082 | Soil | 0.3 | 26.3 | 4.3 | 40 | <0.1 | 20.0 | 10.9 | 567 | 2.23 | 1.2 | 0.8 | 2.1 | 136 | <0.1 | 0.1 | <0.1 | 81 | 0.53 | 0.015 | 12 |
| JT 083 | Soil | 0.2 | 27.4 | 4.6 | 84 | <0.1 | 25.0 | 11.5 | 365 | 3.02 | 7.6 | 2.2 | 1.5 | 175 | 0.1 | 0.1 | <0.1 | 74 | 1.09 | 0.044 | 11 |
| JT 084 | Soil | 0.3 | 31.5 | 4.9 | 69 | <0.1 | 21.7 | 10.3 | 488 | 2.51 | 6.1 | 3.7 | 1.2 | 176 | 0.1 | 0.1 | <0.1 | 72 | 1.34 | 0.058 | 10 |
| JT 085 | Soil | 0.3 | 40.8 | 4.7 | 59 | <0.1 | 27.7 | 13.2 | 623 | 3.17 | 2.0 | 2.5 | 2.0 | 117 | 0.1 | 0.1 | <0.1 | 84 | 0.72 | 0.026 | 15 |
| JT 086 | Soil | 0.3 | 41.5 | 4.7 | 68 | <0.1 | 27.9 | 12.6 | 547 | 2.99 | 1.8 | 1.0 | 1.9 | 106 | 0.1 | 0.2 | <0.1 | 76 | 0.71 | 0.027 | 13 |
| JT 087 | Soil | 0.3 | 51.4 | 4.5 | 61 | <0.1 | 29.4 | 12.7 | 466 | 3.30 | 1.9 | 2.9 | 2.0 | 147 | <0.1 | 0.1 | <0.1 | 77 | 0.86 | 0.039 | 18 |
| JT 088 | Soil | 0.2 | 46.7 | 4.6 | 53 | 0.1 | 26.4 | 12.7 | 492 | 3.13 | 2.8 | 2.8 | 2.2 | 162 | 0.1 | 0.2 | <0.1 | 82 | 0.87 | 0.038 | 17 |
| JT 089 | Soil | 0.2 | 38.0 | 4.6 | 50 | <0.1 | 25.6 | 12.1 | 626 | 2.76 | 1.6 | 1.0 | 1.9 | 141 | 0.1 | 0.2 | <0.1 | 71 | 1.78 | 0.060 | 14 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: May 30, 2013

Page: 4 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 060 | Soil | 29 | 0.57 | 139 | 0.132 | 3 | 2.36 | 0.030 | 0.27 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 061 | Soil | 24 | 0.48 | 133 | 0.130 | 6 | 2.07 | 0.034 | 0.25 | <0.1 | 0.01 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 062 | Soil | 24 | 0.45 | 130 | 0.128 | 5 | 1.95 | 0.031 | 0.26 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 063 | Soil | 26 | 0.48 | 122 | 0.130 | 4 | 1.91 | 0.032 | 0.24 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 064 | Soil | 32 | 0.60 | 132 | 0.141 | 3 | 2.43 | 0.029 | 0.32 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 065 | Soil | 30 | 0.59 | 128 | 0.127 | 4 | 2.37 | 0.028 | 0.30 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 066 | Soil | 30 | 0.69 | 116 | 0.094 | 5 | 2.31 | 0.034 | 0.30 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 067 | Soil | 29 | 0.84 | 133 | 0.107 | 5 | 2.23 | 0.035 | 0.27 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 068 | Soil | 33 | 0.75 | 128 | 0.137 | 5 | 2.27 | 0.036 | 0.27 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 069 | Soil | 38 | 0.77 | 129 | 0.151 | 6 | 2.40 | 0.035 | 0.32 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 070 | Soil | 30 | 0.60 | 133 | 0.154 | 7 | 2.12 | 0.036 | 0.33 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 071 | Soil | 30 | 0.54 | 132 | 0.152 | 8 | 1.99 | 0.036 | 0.31 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 072 | Soil | 29 | 0.52 | 138 | 0.145 | 4 | 2.09 | 0.033 | 0.31 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 073 | Soil | 41 | 0.77 | 134 | 0.136 | 5 | 2.57 | 0.038 | 0.34 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 074 | Soil | 33 | 0.66 | 90 | 0.070 | 3 | 2.90 | 0.026 | 0.29 | <0.1 | 0.04 | 9.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 075 | Soil | 33 | 0.74 | 122 | 0.126 | 6 | 2.66 | 0.037 | 0.37 | <0.1 | 0.03 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 076 | Soil | 22 | 0.44 | 133 | 0.158 | 2 | 1.65 | 0.039 | 0.28 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 077 | Soil | 32 | 0.67 | 125 | 0.134 | 4 | 2.35 | 0.043 | 0.25 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 078 | Soil | 22 | 0.42 | 139 | 0.177 | 1 | 1.70 | 0.048 | 0.26 | <0.1 | 0.01 | 5.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 079 | Soil | 29 | 0.67 | 131 | 0.120 | 3 | 2.52 | 0.043 | 0.31 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 080 | Soil | 28 | 0.53 | 140 | 0.162 | 3 | 2.27 | 0.041 | 0.34 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 081 | Soil | 28 | 0.87 | 135 | 0.102 | 11 | 2.69 | 0.048 | 0.33 | <0.1 | 0.04 | 10.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 082 | Soil | 23 | 0.46 | 144 | 0.166 | 4 | 1.30 | 0.112 | 0.16 | <0.1 | 0.01 | 4.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 083 | Soil | 29 | 1.36 | 124 | 0.113 | 15 | 2.73 | 0.206 | 0.22 | <0.1 | <0.01 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 084 | Soil | 25 | 1.26 | 124 | 0.131 | 30 | 2.29 | 0.523 | 0.23 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 085 | Soil | 32 | 0.74 | 122 | 0.151 | 7 | 2.44 | 0.043 | 0.37 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 086 | Soil | 32 | 0.71 | 124 | 0.150 | 8 | 2.52 | 0.040 | 0.41 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 087 | Soil | 32 | 0.95 | 122 | 0.118 | 7 | 2.89 | 0.040 | 0.30 | <0.1 | 0.03 | 9.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 088 | Soil | 26 | 1.01 | 123 | 0.090 | 5 | 2.54 | 0.050 | 0.16 | <0.1 | 0.03 | 10.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 089 | Soil | 25 | 0.71 | 135 | 0.102 | 16 | 2.07 | 0.047 | 0.34 | <0.1 | 0.02 | 7.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: May 30, 2013

Page: 5 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 090 | Soil | 0.3 | 36.5 | 4.7 | 63 | <0.1 | 26.0 | 11.9 | 646 | 2.72 | 1.3 | <0.5 | 1.9 | 88 | 0.2 | 0.2 | <0.1 | 65 | 0.69 | 0.027 | 13 |
| JT 091 | Soil | 0.3 | 36.7 | 4.7 | 73 | <0.1 | 24.8 | 11.5 | 556 | 2.92 | 0.9 | <0.5 | 2.0 | 109 | 0.2 | 0.1 | <0.1 | 69 | 0.79 | 0.030 | 13 |
| JT 092 | Soil | 0.3 | 39.8 | 5.2 | 60 | <0.1 | 28.4 | 14.7 | 562 | 3.12 | 0.5 | <0.5 | 2.6 | 108 | <0.1 | <0.1 | <0.1 | 85 | 0.86 | 0.023 | 17 |
| JT 093 | Soil | 0.4 | 51.7 | 4.6 | 60 | <0.1 | 35.4 | 13.3 | 422 | 3.43 | 1.9 | 1.7 | 2.0 | 113 | 0.1 | 0.2 | <0.1 | 77 | 0.79 | 0.027 | 14 |
| JT 094 | Soil | 0.3 | 46.0 | 5.5 | 56 | <0.1 | 27.7 | 11.7 | 424 | 3.14 | 1.5 | 0.9 | 2.4 | 138 | 0.1 | 0.2 | <0.1 | 68 | 0.78 | 0.032 | 14 |
| JT 095 | Soil | 0.2 | 39.4 | 4.1 | 62 | <0.1 | 32.9 | 12.5 | 454 | 3.07 | 0.8 | 0.7 | 2.3 | 133 | 0.1 | <0.1 | <0.1 | 66 | 0.70 | 0.014 | 13 |
| JT 096 | Soil | 0.2 | 46.2 | 4.3 | 54 | <0.1 | 30.7 | 13.9 | 458 | 3.61 | 1.0 | <0.5 | 2.4 | 152 | 0.1 | <0.1 | <0.1 | 90 | 0.86 | 0.031 | 13 |
| JT 097 | Soil | 0.3 | 30.7 | 4.2 | 54 | <0.1 | 27.2 | 10.0 | 313 | 2.77 | 1.2 | <0.5 | 2.2 | 140 | <0.1 | 0.1 | <0.1 | 61 | 0.76 | 0.016 | 11 |
| JT 098 | Soil | 0.3 | 37.1 | 4.9 | 56 | <0.1 | 37.8 | 14.9 | 578 | 3.06 | 1.4 | <0.5 | 2.4 | 155 | 0.2 | <0.1 | <0.1 | 67 | 0.89 | 0.022 | 11 |
| JT 099 | Soil | 0.3 | 34.7 | 3.9 | 56 | <0.1 | 34.0 | 12.5 | 392 | 3.03 | 1.4 | <0.5 | 2.4 | 121 | <0.1 | <0.1 | <0.1 | 69 | 0.82 | 0.027 | 11 |
| JT 100 | Soil | 0.3 | 35.8 | 4.4 | 59 | <0.1 | 29.9 | 11.4 | 427 | 2.80 | 1.6 | <0.5 | 2.1 | 124 | <0.1 | 0.1 | <0.1 | 66 | 0.80 | 0.023 | 13 |
| S P7E 007 | Rock Pulp | 6.8 | 46.1 | 5.2 | 52 | 0.5 | 33.5 | 13.9 | 483 | 2.94 | 6.4 | 643.2 | 1.4 | 45 | 0.3 | 1.1 | 0.1 | 62 | 0.84 | 0.055 | 7 |
| JT 101 | Soil | 0.4 | 34.8 | 5.6 | 72 | <0.1 | 30.2 | 13.7 | 720 | 2.59 | 2.2 | 1.6 | 1.8 | 114 | 0.1 | 0.1 | <0.1 | 67 | 0.87 | 0.034 | 9 |
| JT 102 | Soil | 0.3 | 32.8 | 4.2 | 55 | <0.1 | 27.0 | 11.4 | 438 | 2.64 | 1.3 | <0.5 | 1.8 | 118 | 0.1 | 0.1 | <0.1 | 65 | 0.75 | 0.022 | 9 |
| JT 103 | Soil | 0.3 | 33.7 | 4.9 | 58 | <0.1 | 23.8 | 11.3 | 463 | 2.62 | 0.9 | 0.9 | 1.8 | 106 | <0.1 | 0.2 | <0.1 | 62 | 0.66 | 0.026 | 12 |
| JT 104 | Soil | 0.3 | 43.7 | 4.4 | 63 | <0.1 | 23.5 | 11.3 | 420 | 3.06 | 2.6 | 0.8 | 1.9 | 106 | <0.1 | 0.2 | 0.2 | 65 | 0.72 | 0.032 | 14 |
| JT 105 | Soil | 0.3 | 24.0 | 5.2 | 53 | <0.1 | 13.4 | 9.2 | 554 | 2.16 | 2.6 | 0.6 | 1.7 | 74 | <0.1 | 0.1 | 0.1 | 51 | 0.52 | 0.018 | 14 |
| JT 106 | Soil | 0.2 | 41.4 | 5.1 | 65 | <0.1 | 19.6 | 10.2 | 418 | 2.75 | 4.2 | 1.1 | 2.1 | 86 | 0.1 | 0.1 | <0.1 | 53 | 0.81 | 0.041 | 16 |
| JT 107 | Soil | 0.4 | 24.2 | 5.1 | 63 | <0.1 | 16.6 | 10.0 | 547 | 2.32 | 1.7 | <0.5 | 1.4 | 89 | 0.1 | 0.1 | 0.1 | 66 | 0.52 | 0.023 | 13 |
| JT 108 | Soil | 0.2 | 44.6 | 4.6 | 57 | <0.1 | 13.7 | 9.4 | 382 | 3.05 | 2.1 | 0.7 | 1.5 | 79 | <0.1 | <0.1 | <0.1 | 64 | 0.61 | 0.036 | 20 |
| JT 109 | Soil | 0.3 | 50.3 | 4.8 | 51 | <0.1 | 20.6 | 10.4 | 347 | 3.12 | 2.1 | 0.7 | 2.3 | 115 | 0.1 | 0.2 | 0.1 | 61 | 0.80 | 0.023 | 16 |
| JT 110 | Soil | 0.3 | 48.4 | 4.5 | 51 | <0.1 | 16.6 | 9.6 | 371 | 2.80 | 1.8 | <0.5 | 2.3 | 99 | 0.1 | 0.1 | <0.1 | 59 | 0.80 | 0.029 | 15 |
| JT 111 | Soil | 0.3 | 26.1 | 4.1 | 48 | <0.1 | 16.1 | 9.5 | 446 | 2.32 | 1.4 | 1.2 | 1.6 | 98 | <0.1 | 0.1 | <0.1 | 65 | 0.54 | 0.014 | 12 |
| JT 112 | Soil | 0.3 | 30.9 | 4.9 | 54 | <0.1 | 21.2 | 10.9 | 540 | 2.43 | 1.3 | 1.1 | 1.9 | 104 | 0.1 | 0.1 | 0.1 | 63 | 0.59 | 0.014 | 13 |
| JT 113 | Soil | 0.4 | 37.1 | 4.5 | 66 | <0.1 | 25.4 | 15.1 | 710 | 3.17 | 3.1 | 0.9 | 1.8 | 111 | 0.1 | 0.2 | <0.1 | 70 | 0.75 | 0.033 | 15 |
| JT 114 | Soil | 0.4 | 39.7 | 5.0 | 64 | <0.1 | 26.5 | 12.3 | 605 | 3.07 | 2.0 | 0.5 | 2.1 | 121 | 0.1 | 0.2 | <0.1 | 75 | 0.74 | 0.029 | 16 |
| JT 115 | Soil | 0.4 | 46.0 | 4.9 | 63 | <0.1 | 30.3 | 13.8 | 558 | 3.21 | 1.7 | 0.6 | 2.0 | 117 | 0.2 | 0.2 | <0.1 | 75 | 0.75 | 0.030 | 15 |
| JT 116 | Soil | 0.4 | 43.4 | 4.8 | 64 | <0.1 | 25.9 | 12.8 | 552 | 3.08 | 1.4 | <0.5 | 1.9 | 112 | 0.2 | 0.2 | <0.1 | 74 | 0.75 | 0.035 | 14 |
| JT 117 | Soil | 0.3 | 37.1 | 4.5 | 73 | <0.1 | 22.2 | 10.4 | 400 | 2.53 | 2.5 | <0.5 | 1.5 | 119 | <0.1 | 0.1 | <0.1 | 69 | 0.76 | 0.019 | 12 |
| JT 118 | Soil | 0.2 | 28.2 | 5.0 | 52 | <0.1 | 19.3 | 14.3 | 1462 | 2.58 | 16.9 | <0.5 | 1.0 | 151 | <0.1 | <0.1 | <0.1 | 116 | 1.12 | 0.047 | 13 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 5 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 090 | Soil | 29 | 0.65 | 127 | 0.151 | 10 | 2.53 | 0.045 | 0.36 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 091 | Soil | 31 | 0.62 | 121 | 0.153 | 4 | 2.61 | 0.041 | 0.31 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 092 | Soil | 29 | 0.86 | 100 | 0.168 | 2 | 3.01 | 0.072 | 0.18 | <0.1 | 0.02 | 10.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 093 | Soil | 45 | 0.87 | 116 | 0.164 | 2 | 2.66 | 0.037 | 0.33 | <0.1 | 0.03 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 094 | Soil | 33 | 0.79 | 141 | 0.139 | 4 | 2.72 | 0.038 | 0.36 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 095 | Soil | 42 | 0.77 | 125 | 0.190 | <1 | 2.40 | 0.051 | 0.35 | <0.1 | 0.01 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 096 | Soil | 44 | 1.31 | 121 | 0.214 | 4 | 2.66 | 0.058 | 0.19 | <0.1 | 0.02 | 11.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 097 | Soil | 37 | 0.75 | 143 | 0.208 | 2 | 2.34 | 0.052 | 0.27 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 098 | Soil | 50 | 1.09 | 151 | 0.240 | 2 | 2.38 | 0.056 | 0.28 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 099 | Soil | 56 | 0.98 | 126 | 0.205 | 4 | 2.45 | 0.044 | 0.31 | <0.1 | 0.01 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 100 | Soil | 41 | 0.78 | 143 | 0.171 | 4 | 2.40 | 0.047 | 0.30 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| S P7E 007 | Rock Pulp | 37 | 0.72 | 150 | 0.139 | 1 | 1.54 | 0.122 | 0.15 | 26.8 | 0.07 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 101 | Soil | 40 | 0.87 | 125 | 0.207 | 4 | 2.13 | 0.055 | 0.29 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 102 | Soil | 36 | 0.72 | 126 | 0.194 | 2 | 2.24 | 0.051 | 0.32 | <0.1 | 0.01 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 103 | Soil | 30 | 0.54 | 125 | 0.164 | 3 | 2.24 | 0.037 | 0.39 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 104 | Soil | 31 | 0.67 | 137 | 0.124 | 2 | 2.52 | 0.033 | 0.26 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 105 | Soil | 19 | 0.38 | 123 | 0.100 | <1 | 1.58 | 0.029 | 0.17 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 106 | Soil | 24 | 0.67 | 183 | 0.059 | 5 | 2.56 | 0.023 | 0.28 | <0.1 | 0.03 | 9.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 107 | Soil | 22 | 0.45 | 113 | 0.131 | 2 | 1.57 | 0.027 | 0.21 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 108 | Soil | 19 | 0.85 | 72 | 0.070 | 3 | 2.05 | 0.019 | 0.21 | <0.1 | 0.03 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 109 | Soil | 31 | 0.80 | 97 | 0.065 | 3 | 2.56 | 0.024 | 0.22 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 110 | Soil | 28 | 0.74 | 94 | 0.061 | 2 | 2.32 | 0.023 | 0.23 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 111 | Soil | 24 | 0.43 | 113 | 0.133 | 2 | 1.63 | 0.034 | 0.21 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 112 | Soil | 26 | 0.48 | 128 | 0.128 | 3 | 1.86 | 0.028 | 0.28 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 113 | Soil | 21 | 0.75 | 114 | 0.085 | 4 | 2.01 | 0.028 | 0.27 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 114 | Soil | 29 | 0.63 | 133 | 0.122 | 4 | 2.56 | 0.032 | 0.28 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 115 | Soil | 37 | 0.70 | 126 | 0.129 | 5 | 2.59 | 0.028 | 0.39 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 116 | Soil | 30 | 0.69 | 129 | 0.128 | 7 | 2.46 | 0.026 | 0.40 | <0.1 | 0.04 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 117 | Soil | 25 | 0.82 | 113 | 0.130 | 18 | 2.10 | 0.107 | 0.38 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 118 | Soil | 30 | 0.83 | 159 | 0.098 | 15 | 2.14 | 0.072 | 0.08 | 0.2 | 0.02 | 5.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 6 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | |
|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | | |
| | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| JT 119 | Soil | | | 0.3 | 26.5 | 4.2 | 54 | <0.1 | 17.6 | 9.2 | 419 | 2.11 | 1.9 | <0.5 | 1.4 | 88 | <0.1 | <0.1 | <0.1 | 66 | 0.56 | 0.017 | 12 |
| JT 120 | Soil | | | 0.5 | 33.3 | 4.3 | 71 | <0.1 | 20.0 | 10.3 | 596 | 2.46 | 2.0 | 2.1 | 1.7 | 94 | <0.1 | 0.1 | <0.1 | 64 | 0.67 | 0.029 | 12 |
| JT 121 | Soil | | | 0.3 | 33.3 | 4.9 | 69 | <0.1 | 23.1 | 12.2 | 826 | 2.68 | 1.2 | 1.7 | 1.6 | 103 | 0.1 | 0.1 | <0.1 | 70 | 0.69 | 0.022 | 12 |
| JT 122 | Soil | | | 0.3 | 36.2 | 4.7 | 82 | <0.1 | 24.3 | 11.7 | 544 | 2.82 | 1.6 | <0.5 | 1.7 | 103 | 0.1 | 0.2 | <0.1 | 75 | 0.63 | 0.035 | 14 |
| JT 123 | Soil | | | 0.5 | 33.8 | 4.3 | 72 | <0.1 | 24.9 | 12.3 | 758 | 2.60 | 0.8 | <0.5 | 1.7 | 91 | 0.1 | 0.1 | <0.1 | 62 | 0.70 | 0.032 | 10 |
| JT 124 | Soil | | | 0.5 | 24.8 | 4.1 | 126 | <0.1 | 19.7 | 8.2 | 514 | 2.18 | 1.5 | <0.5 | 1.2 | 68 | 0.1 | <0.1 | <0.1 | 44 | 0.62 | 0.047 | 5 |
| JT 125 | Soil | | | 0.4 | 46.3 | 4.8 | 132 | <0.1 | 27.8 | 15.0 | 1357 | 2.85 | 2.1 | <0.5 | 1.9 | 121 | 0.2 | 0.1 | <0.1 | 66 | 0.85 | 0.034 | 13 |
| JT 126 | Soil | | | 0.9 | 20.4 | 4.5 | 73 | <0.1 | 18.7 | 9.1 | 916 | 1.82 | 2.0 | <0.5 | 1.3 | 68 | 0.1 | 0.1 | <0.1 | 47 | 0.67 | 0.027 | 9 |
| JT 127 | Soil | | | 0.3 | 28.3 | 4.9 | 64 | <0.1 | 22.8 | 12.5 | 858 | 2.60 | 1.1 | <0.5 | 2.3 | 70 | 0.2 | <0.1 | <0.1 | 65 | 0.72 | 0.019 | 14 |
| JT 128 | Soil | | | 0.4 | 29.2 | 5.1 | 69 | <0.1 | 22.8 | 11.8 | 578 | 2.79 | 1.0 | <0.5 | 2.2 | 91 | 0.1 | 0.1 | <0.1 | 62 | 0.84 | 0.026 | 12 |
| JT 129 | Soil | | | 0.4 | 39.6 | 6.1 | 99 | <0.1 | 25.4 | 14.4 | 1107 | 2.69 | 2.5 | 0.8 | 1.8 | 102 | 0.1 | 0.1 | 0.2 | 68 | 0.97 | 0.032 | 11 |
| JT 130 | Soil | | | 0.6 | 35.5 | 5.6 | 64 | <0.1 | 26.6 | 13.1 | 417 | 2.95 | 1.3 | 0.7 | 2.2 | 90 | 0.1 | 0.2 | 0.1 | 68 | 0.68 | 0.027 | 13 |
| JT 131 | Soil | | | 0.4 | 26.6 | 4.0 | 58 | <0.1 | 21.9 | 12.1 | 423 | 3.03 | <0.5 | <0.5 | 2.4 | 102 | 0.1 | <0.1 | <0.1 | 80 | 0.63 | 0.022 | 16 |
| JT 132 | Soil | | | 0.2 | 56.0 | 4.7 | 54 | 0.1 | 30.7 | 14.8 | 524 | 3.41 | <0.5 | 1.0 | 3.9 | 56 | 0.3 | <0.1 | <0.1 | 111 | 0.85 | 0.061 | 22 |
| JT 133 | Soil | | | 0.4 | 46.1 | 4.9 | 59 | 0.1 | 34.1 | 16.9 | 471 | 3.66 | 0.9 | <0.5 | 3.1 | 74 | 0.2 | 0.1 | 0.1 | 94 | 0.78 | 0.029 | 19 |
| JT 134 | Soil | | | 0.4 | 31.4 | 5.3 | 72 | <0.1 | 23.0 | 12.5 | 942 | 2.66 | <0.5 | <0.5 | 2.2 | 79 | 0.2 | <0.1 | <0.1 | 74 | 0.66 | 0.020 | 14 |
| JT 135 | Soil | | | 0.7 | 28.7 | 4.4 | 68 | <0.1 | 22.9 | 11.3 | 680 | 2.77 | 1.2 | <0.5 | 2.1 | 75 | 0.1 | 0.1 | <0.1 | 66 | 0.84 | 0.038 | 12 |
| JT 136 | Soil | | | 0.4 | 44.6 | 5.3 | 68 | 0.1 | 34.2 | 15.9 | 401 | 3.58 | 1.7 | <0.5 | 2.5 | 83 | 0.2 | 0.1 | <0.1 | 82 | 0.78 | 0.035 | 15 |
| JT 137 | Soil | | | 0.6 | 40.0 | 4.7 | 74 | <0.1 | 54.0 | 20.0 | 621 | 3.97 | 0.7 | <0.5 | 1.9 | 85 | <0.1 | <0.1 | <0.1 | 73 | 0.76 | 0.039 | 12 |
| JT 138 | Soil | | | 0.7 | 29.9 | 3.2 | 49 | <0.1 | 43.3 | 15.4 | 524 | 3.36 | <0.5 | 0.6 | 1.5 | 73 | <0.1 | <0.1 | <0.1 | 57 | 0.71 | 0.027 | 13 |
| JT 139 | Soil | | | 0.2 | 35.1 | 3.3 | 84 | <0.1 | 61.2 | 18.3 | 687 | 3.92 | <0.5 | <0.5 | 1.6 | 103 | <0.1 | <0.1 | 0.1 | 59 | 0.79 | 0.028 | 15 |
| JT 140 | Soil | | | 0.2 | 38.9 | 3.1 | 65 | <0.1 | 66.9 | 19.2 | 490 | 4.36 | <0.5 | <0.5 | 1.7 | 75 | <0.1 | <0.1 | <0.1 | 89 | 0.65 | 0.036 | 14 |
| JT 141 | Soil | | | 0.4 | 34.4 | 4.0 | 72 | <0.1 | 50.8 | 16.4 | 495 | 3.80 | <0.5 | <0.5 | 1.8 | 76 | <0.1 | <0.1 | <0.1 | 67 | 0.71 | 0.028 | 13 |
| JT 142 | Soil | | | 0.3 | 36.6 | 4.6 | 76 | <0.1 | 51.7 | 18.9 | 738 | 3.95 | <0.5 | <0.5 | 2.0 | 147 | 0.2 | <0.1 | <0.1 | 79 | 0.92 | 0.019 | 16 |
| JT 143 | Soil | | | 0.6 | 36.2 | 4.6 | 77 | <0.1 | 46.9 | 17.6 | 735 | 3.66 | 0.9 | <0.5 | 1.9 | 90 | 0.2 | 0.2 | 0.2 | 69 | 0.80 | 0.029 | 14 |
| JT 144 | Soil | | | 0.3 | 44.8 | 3.9 | 90 | <0.1 | 63.0 | 19.4 | 660 | 4.30 | 0.9 | 0.9 | 1.7 | 121 | 0.1 | <0.1 | 0.1 | 82 | 0.87 | 0.040 | 15 |
| JT 145 | Soil | | | 0.6 | 25.4 | 5.2 | 67 | <0.1 | 22.6 | 12.0 | 432 | 2.57 | 1.6 | 1.3 | 1.8 | 87 | <0.1 | 0.1 | 0.2 | 63 | 0.59 | 0.026 | 8 |
| JT 146 | Soil | | | 0.5 | 26.5 | 5.1 | 55 | <0.1 | 18.9 | 11.5 | 472 | 2.61 | 1.0 | <0.5 | 1.9 | 65 | <0.1 | 0.1 | 0.1 | 66 | 0.63 | 0.013 | 8 |
| JT 147 | Soil | | | 0.5 | 35.8 | 5.2 | 67 | <0.1 | 26.2 | 13.1 | 617 | 2.75 | 1.3 | 0.7 | 2.2 | 177 | 0.1 | 0.1 | 0.1 | 54 | 0.84 | 0.027 | 18 |
| JT 148 | Soil | | | 0.3 | 34.2 | 4.9 | 68 | <0.1 | 24.9 | 12.7 | 532 | 2.72 | 0.9 | <0.5 | 2.4 | 162 | 0.1 | 0.1 | 0.1 | 49 | 0.73 | 0.023 | 15 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 6 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 119 | Soil | 24 | 0.51 | 112 | 0.132 | 8 | 1.55 | 0.041 | 0.30 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 120 | Soil | 25 | 0.54 | 133 | 0.125 | 8 | 2.16 | 0.031 | 0.34 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 121 | Soil | 27 | 0.54 | 135 | 0.126 | 3 | 2.16 | 0.033 | 0.33 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 122 | Soil | 29 | 0.56 | 132 | 0.140 | 5 | 2.25 | 0.036 | 0.31 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 123 | Soil | 28 | 0.58 | 148 | 0.125 | 9 | 2.21 | 0.032 | 0.45 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 124 | Soil | 23 | 0.46 | 136 | 0.114 | 7 | 2.27 | 0.030 | 0.21 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 125 | Soil | 31 | 0.63 | 208 | 0.125 | 5 | 3.18 | 0.040 | 0.28 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 126 | Soil | 19 | 0.41 | 138 | 0.107 | 4 | 1.79 | 0.026 | 0.13 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 127 | Soil | 24 | 0.59 | 90 | 0.133 | 4 | 2.40 | 0.061 | 0.19 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| JT 128 | Soil | 27 | 0.64 | 115 | 0.108 | 4 | 2.60 | 0.043 | 0.21 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 129 | Soil | 32 | 0.61 | 185 | 0.142 | 3 | 3.05 | 0.029 | 0.23 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 130 | Soil | 35 | 0.66 | 133 | 0.150 | 3 | 2.65 | 0.036 | 0.26 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 131 | Soil | 23 | 0.45 | 142 | 0.155 | 2 | 2.38 | 0.042 | 0.20 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 132 | Soil | 15 | 1.38 | 44 | 0.169 | <1 | 2.10 | 0.044 | 0.05 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 133 | Soil | 30 | 1.06 | 82 | 0.185 | 1 | 2.55 | 0.037 | 0.12 | <0.1 | 0.02 | 11.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 134 | Soil | 21 | 0.52 | 118 | 0.167 | 6 | 1.93 | 0.038 | 0.30 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 135 | Soil | 26 | 0.62 | 119 | 0.155 | 12 | 2.35 | 0.034 | 0.20 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 136 | Soil | 37 | 0.88 | 137 | 0.176 | 7 | 3.08 | 0.039 | 0.17 | <0.1 | 0.02 | 9.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 137 | Soil | 44 | 1.18 | 146 | 0.180 | 5 | 3.05 | 0.043 | 0.18 | <0.1 | 0.01 | 10.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 138 | Soil | 35 | 0.89 | 92 | 0.154 | 3 | 2.35 | 0.044 | 0.17 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 139 | Soil | 45 | 0.92 | 94 | 0.169 | 2 | 2.35 | 0.044 | 0.27 | <0.1 | <0.01 | 9.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 140 | Soil | 51 | 1.25 | 62 | 0.239 | 1 | 2.20 | 0.061 | 0.18 | <0.1 | 0.01 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 141 | Soil | 41 | 0.97 | 98 | 0.178 | 2 | 2.55 | 0.041 | 0.21 | <0.1 | 0.02 | 9.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 142 | Soil | 44 | 1.07 | 144 | 0.158 | 1 | 3.23 | 0.035 | 0.15 | <0.1 | 0.07 | 10.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 143 | Soil | 42 | 0.94 | 138 | 0.155 | 3 | 2.85 | 0.036 | 0.19 | <0.1 | 0.03 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 144 | Soil | 57 | 1.32 | 124 | 0.203 | 2 | 2.75 | 0.040 | 0.15 | <0.1 | 0.02 | 11.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 145 | Soil | 29 | 0.62 | 152 | 0.153 | 3 | 2.23 | 0.031 | 0.12 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 146 | Soil | 26 | 0.60 | 112 | 0.138 | 4 | 2.09 | 0.037 | 0.19 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 147 | Soil | 28 | 0.77 | 249 | 0.090 | 3 | 2.70 | 0.029 | 0.25 | <0.1 | 0.03 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 148 | Soil | 28 | 0.61 | 233 | 0.107 | 4 | 2.55 | 0.028 | 0.27 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 7 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 149 | Soil | 0.5 | 32.7 | 5.1 | 65 | 0.1 | 24.4 | 12.8 | 518 | 2.65 | 1.5 | 2.7 | 1.9 | 92 | 0.2 | 0.2 | 0.1 | 57 | 0.71 | 0.038 | 12 |
| JT 150 | Soil | 0.5 | 41.4 | 4.6 | 62 | <0.1 | 27.9 | 13.6 | 436 | 3.09 | 1.6 | <0.5 | 2.0 | 116 | <0.1 | 0.2 | 0.2 | 75 | 0.78 | 0.031 | 14 |
| S P7E 008 | Rock Pulp | 6.7 | 46.0 | 5.2 | 53 | 0.5 | 31.6 | 13.7 | 487 | 3.02 | 6.4 | 693.6 | 1.4 | 44 | 0.4 | 1.1 | 0.2 | 61 | 0.81 | 0.053 | 7 |
| JT 151 | Soil | 0.4 | 28.4 | 4.5 | 67 | <0.1 | 21.2 | 9.6 | 476 | 2.32 | 1.2 | 1.5 | 1.7 | 87 | 0.2 | 0.1 | 0.1 | 53 | 0.61 | 0.023 | 11 |
| JT 152 | Soil | 0.2 | 42.2 | 5.0 | 52 | <0.1 | 32.2 | 16.6 | 387 | 3.04 | 0.7 | <0.5 | 2.8 | 83 | <0.1 | 0.1 | <0.1 | 54 | 0.97 | 0.028 | 19 |
| JT 153 | Soil | 0.3 | 36.2 | 4.8 | 51 | <0.1 | 27.3 | 13.1 | 507 | 2.76 | 1.5 | <0.5 | 2.1 | 138 | 0.1 | 0.1 | <0.1 | 64 | 0.84 | 0.041 | 18 |
| JT 154 | Soil | 0.4 | 37.6 | 5.4 | 58 | <0.1 | 26.1 | 13.7 | 501 | 2.90 | 1.9 | <0.5 | 2.2 | 122 | 0.2 | 0.1 | <0.1 | 65 | 0.75 | 0.023 | 16 |
| JT 155 | Soil | 0.6 | 47.1 | 5.2 | 65 | <0.1 | 31.4 | 17.0 | 617 | 3.36 | 2.6 | <0.5 | 1.8 | 138 | 0.2 | 0.2 | <0.1 | 77 | 0.84 | 0.045 | 12 |
| JT 156 | Soil | 0.3 | 23.7 | 4.5 | 58 | <0.1 | 17.5 | 7.9 | 350 | 2.22 | 1.6 | 7.2 | 1.6 | 117 | <0.1 | 0.1 | <0.1 | 50 | 0.68 | 0.026 | 11 |
| JT 157 | Soil | 0.3 | 30.7 | 4.8 | 65 | <0.1 | 23.1 | 10.3 | 457 | 2.70 | 1.4 | <0.5 | 1.8 | 113 | 0.1 | 0.2 | <0.1 | 65 | 0.62 | 0.023 | 12 |
| JT 158 | Soil | 0.3 | 32.6 | 4.2 | 53 | <0.1 | 28.6 | 11.3 | 439 | 2.78 | 1.4 | <0.5 | 1.9 | 154 | 0.1 | 0.1 | <0.1 | 70 | 0.82 | 0.025 | 13 |
| JT 159 | Soil | 0.4 | 39.8 | 5.7 | 69 | <0.1 | 39.5 | 16.7 | 652 | 3.46 | 1.7 | 1.3 | 2.7 | 139 | 0.2 | 0.1 | <0.1 | 70 | 1.04 | 0.027 | 10 |
| JT 160 | Soil | 0.3 | 40.5 | 5.8 | 71 | <0.1 | 35.3 | 15.4 | 767 | 3.19 | 1.3 | 1.0 | 2.6 | 111 | <0.1 | 0.1 | <0.1 | 61 | 0.90 | 0.039 | 11 |
| JT 161 | Soil | 0.3 | 39.3 | 4.4 | 59 | <0.1 | 29.5 | 11.6 | 391 | 3.12 | 1.1 | <0.5 | 2.4 | 122 | 0.1 | 0.1 | <0.1 | 69 | 0.87 | 0.022 | 12 |
| JT 162 | Soil | 0.4 | 32.1 | 6.2 | 65 | <0.1 | 26.4 | 13.3 | 728 | 2.81 | 1.3 | <0.5 | 2.1 | 120 | 0.1 | 0.1 | <0.1 | 61 | 0.86 | 0.032 | 10 |
| JT 163 | Soil | 0.2 | 41.9 | 3.5 | 51 | <0.1 | 34.5 | 13.0 | 468 | 2.96 | 1.7 | <0.5 | 2.5 | 87 | 0.1 | <0.1 | <0.1 | 68 | 0.90 | 0.025 | 13 |
| JT 164 | Soil | 0.3 | 37.2 | 3.8 | 71 | <0.1 | 30.9 | 11.6 | 445 | 3.03 | 1.3 | <0.5 | 2.3 | 85 | 0.1 | <0.1 | <0.1 | 61 | 0.83 | 0.028 | 12 |
| JT 165 | Soil | 0.4 | 29.8 | 4.9 | 74 | <0.1 | 27.1 | 11.1 | 540 | 2.73 | 1.3 | <0.5 | 1.9 | 83 | 0.1 | 0.1 | <0.1 | 57 | 0.73 | 0.032 | 10 |
| JT 166 | Soil | 0.4 | 31.9 | 4.6 | 64 | <0.1 | 31.5 | 15.8 | 693 | 2.68 | 1.0 | <0.5 | 1.8 | 90 | 0.2 | <0.1 | <0.1 | 76 | 0.69 | 0.034 | 11 |
| JT 167 | Soil | 0.3 | 36.4 | 3.6 | 60 | <0.1 | 36.0 | 14.3 | 416 | 3.20 | 1.0 | <0.5 | 2.3 | 90 | 0.1 | <0.1 | <0.1 | 74 | 0.74 | 0.021 | 12 |
| JT 168 | Soil | 0.3 | 30.0 | 4.5 | 77 | <0.1 | 19.0 | 9.2 | 481 | 2.49 | 2.0 | 0.6 | 1.7 | 85 | 0.1 | 0.1 | <0.1 | 57 | 0.70 | 0.032 | 13 |
| JT 169 | Soil | 0.3 | 27.7 | 5.3 | 74 | <0.1 | 19.8 | 10.2 | 812 | 2.38 | 1.2 | <0.5 | 1.5 | 83 | 0.1 | 0.1 | <0.1 | 51 | 0.65 | 0.017 | 10 |
| JT 170 | Soil | 0.3 | 33.8 | 5.5 | 72 | <0.1 | 18.7 | 11.2 | 770 | 2.78 | 1.9 | <0.5 | 1.7 | 100 | 0.2 | 0.1 | <0.1 | 68 | 0.72 | 0.026 | 13 |
| JT 171 | Soil | 0.3 | 33.6 | 5.2 | 61 | <0.1 | 15.5 | 9.0 | 377 | 2.56 | 2.1 | <0.5 | 1.5 | 66 | <0.1 | <0.1 | <0.1 | 58 | 0.62 | 0.034 | 18 |
| JT 172 | Soil | 0.4 | 34.0 | 4.7 | 66 | <0.1 | 23.9 | 10.8 | 477 | 2.74 | 1.3 | <0.5 | 1.7 | 81 | 0.1 | 0.2 | <0.1 | 65 | 0.62 | 0.024 | 12 |
| JT 173 | Soil | 0.3 | 31.8 | 4.8 | 68 | <0.1 | 22.0 | 10.2 | 528 | 2.76 | 1.3 | <0.5 | 1.7 | 80 | 0.1 | 0.1 | <0.1 | 60 | 0.71 | 0.028 | 14 |
| JT 174 | Soil | 0.4 | 43.7 | 5.1 | 61 | <0.1 | 25.4 | 11.4 | 366 | 2.94 | 1.8 | 1.6 | 2.1 | 102 | 0.1 | 0.2 | <0.1 | 65 | 0.81 | 0.026 | 15 |
| JT 175 | Soil | 0.3 | 33.7 | 4.6 | 59 | <0.1 | 21.7 | 10.7 | 381 | 2.91 | 1.7 | <0.5 | 1.8 | 104 | <0.1 | 0.1 | <0.1 | 70 | 0.65 | 0.031 | 13 |
| JT 176 | Soil | 0.3 | 25.6 | 4.6 | 63 | <0.1 | 19.8 | 9.9 | 662 | 2.36 | 1.5 | 2.1 | 1.5 | 95 | <0.1 | 0.2 | <0.1 | 58 | 0.65 | 0.019 | 11 |
| JT 177 | Soil | 0.3 | 41.9 | 4.3 | 55 | <0.1 | 21.2 | 10.1 | 357 | 3.02 | 2.0 | 1.2 | 2.0 | 132 | 0.1 | 0.2 | 0.1 | 67 | 0.78 | 0.034 | 16 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 7 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 149 | Soil | 31 | 0.61 | 145 | 0.135 | 4 | 2.56 | 0.033 | 0.21 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 150 | Soil | 35 | 0.70 | 144 | 0.138 | 2 | 2.63 | 0.040 | 0.29 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| S P7E 008 | Rock Pulp | 36 | 0.70 | 148 | 0.139 | 5 | 1.46 | 0.118 | 0.14 | 27.4 | 0.08 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 151 | Soil | 24 | 0.50 | 157 | 0.124 | 6 | 2.08 | 0.029 | 0.37 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 152 | Soil | 25 | 1.13 | 87 | 0.059 | 2 | 3.17 | 0.066 | 0.18 | <0.1 | 0.01 | 10.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 153 | Soil | 24 | 0.76 | 140 | 0.055 | 3 | 2.75 | 0.031 | 0.20 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 154 | Soil | 30 | 0.68 | 154 | 0.114 | 2 | 3.03 | 0.040 | 0.27 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 155 | Soil | 41 | 0.89 | 179 | 0.134 | 5 | 2.91 | 0.041 | 0.28 | <0.1 | 0.04 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 156 | Soil | 22 | 0.43 | 125 | 0.134 | 6 | 2.02 | 0.035 | 0.22 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 157 | Soil | 30 | 0.56 | 138 | 0.169 | 4 | 2.34 | 0.041 | 0.27 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 158 | Soil | 39 | 0.83 | 136 | 0.203 | 3 | 2.22 | 0.061 | 0.19 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 159 | Soil | 58 | 1.17 | 144 | 0.268 | 4 | 2.82 | 0.040 | 0.30 | <0.1 | 0.01 | 9.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 160 | Soil | 42 | 1.12 | 119 | 0.261 | 5 | 2.32 | 0.039 | 0.27 | 0.1 | 0.02 | 9.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 161 | Soil | 41 | 0.85 | 125 | 0.225 | 5 | 2.62 | 0.056 | 0.20 | <0.1 | 0.01 | 9.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 162 | Soil | 35 | 0.68 | 119 | 0.204 | 8 | 2.39 | 0.051 | 0.38 | <0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 163 | Soil | 53 | 0.94 | 77 | 0.117 | 7 | 1.95 | 0.074 | 0.23 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 164 | Soil | 47 | 0.76 | 87 | 0.142 | 7 | 2.31 | 0.041 | 0.40 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 165 | Soil | 37 | 0.65 | 106 | 0.149 | 6 | 2.54 | 0.035 | 0.31 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 166 | Soil | 34 | 0.94 | 94 | 0.159 | 3 | 1.78 | 0.056 | 0.22 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 167 | Soil | 44 | 1.15 | 83 | 0.180 | 4 | 2.21 | 0.049 | 0.24 | <0.1 | 0.01 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 168 | Soil | 24 | 0.47 | 120 | 0.119 | 5 | 2.14 | 0.033 | 0.18 | <0.1 | 0.03 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 169 | Soil | 23 | 0.47 | 138 | 0.136 | 6 | 2.27 | 0.031 | 0.32 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 170 | Soil | 25 | 0.48 | 130 | 0.141 | 5 | 2.24 | 0.037 | 0.32 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 171 | Soil | 21 | 0.69 | 81 | 0.072 | 6 | 2.35 | 0.017 | 0.29 | <0.1 | 0.03 | 5.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 172 | Soil | 31 | 0.55 | 111 | 0.134 | 5 | 2.36 | 0.030 | 0.29 | <0.1 | 0.01 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 173 | Soil | 28 | 0.60 | 106 | 0.114 | 5 | 2.32 | 0.030 | 0.25 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 174 | Soil | 34 | 0.64 | 139 | 0.134 | 6 | 2.68 | 0.032 | 0.25 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 175 | Soil | 28 | 0.53 | 123 | 0.148 | 5 | 2.34 | 0.038 | 0.30 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 176 | Soil | 25 | 0.46 | 124 | 0.145 | 5 | 2.04 | 0.035 | 0.29 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 177 | Soil | 27 | 0.65 | 118 | 0.103 | 5 | 2.74 | 0.042 | 0.30 | <0.1 | 0.03 | 9.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 8 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 178 | Soil | 0.4 | 40.8 | 5.3 | 53 | <0.1 | 18.7 | 9.9 | 458 | 2.87 | 2.0 | 1.5 | 2.2 | 155 | <0.1 | 0.2 | 0.1 | 64 | 0.85 | 0.029 | 16 |
| JT 179 | Soil | 0.4 | 36.0 | 5.5 | 59 | <0.1 | 19.7 | 12.0 | 799 | 2.60 | 2.6 | 0.5 | 1.9 | 150 | 0.2 | 0.2 | <0.1 | 65 | 0.71 | 0.025 | 16 |
| JT 180 | Soil | 0.4 | 49.6 | 4.3 | 61 | <0.1 | 24.7 | 11.4 | 369 | 3.20 | 2.2 | 1.1 | 2.1 | 128 | 0.1 | 0.1 | 0.2 | 69 | 0.82 | 0.033 | 16 |
| JT 181 | Soil | 0.3 | 37.1 | 5.0 | 58 | <0.1 | 19.6 | 12.4 | 751 | 2.60 | 2.6 | 0.7 | 2.0 | 135 | 0.1 | 0.2 | 0.1 | 69 | 0.79 | 0.023 | 16 |
| JT 182 | Soil | 0.3 | 29.4 | 4.4 | 53 | <0.1 | 17.0 | 9.4 | 435 | 2.62 | 1.1 | 0.9 | 1.7 | 129 | 0.1 | 0.1 | <0.1 | 76 | 0.71 | 0.021 | 12 |
| JT 183 | Soil | 0.6 | 34.9 | 3.6 | 55 | <0.1 | 14.4 | 10.5 | 619 | 2.31 | 2.8 | 2.7 | 1.8 | 75 | <0.1 | 0.1 | <0.1 | 55 | 0.90 | 0.037 | 17 |
| JT 184 | Soil | 0.2 | 30.2 | 4.8 | 61 | <0.1 | 18.3 | 10.5 | 641 | 2.48 | 1.5 | 2.7 | 1.8 | 112 | <0.1 | 0.2 | <0.1 | 63 | 0.65 | 0.019 | 13 |
| JT 185 | Soil | 0.3 | 26.7 | 3.9 | 65 | <0.1 | 16.7 | 8.8 | 478 | 2.36 | 1.8 | 1.3 | 1.6 | 111 | <0.1 | 0.1 | <0.1 | 58 | 0.60 | 0.031 | 12 |
| JT 186 | Soil | 0.3 | 43.7 | 4.9 | 66 | <0.1 | 30.7 | 12.4 | 576 | 3.12 | 1.2 | 1.7 | 1.9 | 129 | <0.1 | 0.1 | <0.1 | 71 | 0.82 | 0.037 | 14 |
| JT 187 | Soil | 0.3 | 50.6 | 4.5 | 57 | 0.1 | 32.9 | 13.7 | 432 | 3.52 | 1.5 | 2.7 | 2.2 | 140 | <0.1 | 0.2 | <0.1 | 86 | 0.93 | 0.035 | 16 |
| JT 188 | Soil | 0.3 | 50.7 | 4.2 | 44 | <0.1 | 27.5 | 10.6 | 465 | 2.90 | 0.7 | <0.5 | 3.0 | 135 | 0.1 | <0.1 | <0.1 | 69 | 1.09 | 0.032 | 16 |
| JT 189 | Soil | 0.4 | 38.7 | 4.7 | 69 | <0.1 | 34.2 | 16.3 | 908 | 2.92 | 2.1 | 1.8 | 2.0 | 101 | 0.2 | 0.1 | <0.1 | 76 | 0.83 | 0.037 | 12 |
| JT 190 | Soil | 0.3 | 40.5 | 3.7 | 58 | <0.1 | 34.4 | 13.8 | 498 | 3.17 | 1.5 | 1.2 | 2.3 | 87 | 0.1 | <0.1 | <0.1 | 74 | 0.82 | 0.023 | 13 |
| JT 191 | Soil | 0.2 | 33.8 | 3.6 | 58 | <0.1 | 29.8 | 10.9 | 406 | 2.91 | 1.5 | 1.2 | 2.2 | 101 | 0.1 | <0.1 | <0.1 | 62 | 0.79 | 0.032 | 12 |
| JT 192 | Soil | 0.3 | 32.8 | 4.1 | 68 | <0.1 | 27.0 | 8.5 | 279 | 2.95 | 1.8 | 1.9 | 2.1 | 98 | 0.2 | <0.1 | <0.1 | 58 | 0.78 | 0.045 | 8 |
| JT 193 | Soil | 0.3 | 36.8 | 4.3 | 65 | <0.1 | 30.7 | 10.7 | 340 | 3.12 | 1.0 | 1.6 | 2.1 | 94 | 0.2 | 0.1 | <0.1 | 66 | 0.72 | 0.031 | 11 |
| JT 194 | Soil | 0.2 | 45.1 | 4.2 | 58 | <0.1 | 32.2 | 12.1 | 350 | 3.34 | 0.6 | 1.3 | 2.2 | 99 | <0.1 | 0.1 | <0.1 | 74 | 0.69 | 0.019 | 14 |
| JT 195 | Soil | 0.2 | 37.5 | 4.2 | 61 | <0.1 | 28.8 | 12.3 | 426 | 3.07 | 0.9 | 2.6 | 2.0 | 96 | <0.1 | 0.1 | <0.1 | 66 | 0.63 | 0.020 | 12 |
| JT 196 | Soil | 0.4 | 33.0 | 4.3 | 59 | <0.1 | 30.6 | 13.2 | 466 | 2.85 | 0.7 | 0.8 | 2.4 | 101 | <0.1 | <0.1 | <0.1 | 73 | 0.91 | 0.029 | 10 |
| JT 197 | Soil | 0.2 | 28.7 | 4.3 | 68 | <0.1 | 29.0 | 11.3 | 441 | 2.89 | 0.8 | 0.7 | 2.1 | 135 | 0.2 | <0.1 | <0.1 | 62 | 0.78 | 0.027 | 11 |
| JT 198 | Soil | 0.3 | 36.2 | 4.8 | 51 | <0.1 | 22.3 | 10.1 | 299 | 2.81 | 1.6 | 2.3 | 1.9 | 87 | <0.1 | <0.1 | <0.1 | 60 | 0.61 | 0.036 | 17 |
| JT 199 | Soil | 0.3 | 24.2 | 4.9 | 61 | <0.1 | 12.4 | 7.5 | 369 | 2.17 | 1.7 | 2.7 | 1.6 | 65 | <0.1 | <0.1 | <0.1 | 50 | 0.59 | 0.019 | 13 |
| JT 200 | Soil | 0.1 | 35.7 | 4.6 | 55 | <0.1 | 11.3 | 7.9 | 266 | 2.95 | 2.0 | 1.5 | 1.8 | 64 | <0.1 | <0.1 | <0.1 | 69 | 0.56 | 0.021 | 20 |
| S P7E 009 | Rock Pulp | 6.9 | 47.1 | 5.0 | 55 | 0.5 | 33.4 | 14.4 | 504 | 3.03 | 6.6 | 663.1 | 1.4 | 47 | 0.3 | 1.1 | 0.1 | 66 | 0.89 | 0.054 | 7 |
| JT 201 | Soil | 0.1 | 31.1 | 4.2 | 38 | <0.1 | 8.1 | 7.8 | 969 | 1.73 | 3.2 | 2.3 | 1.3 | 43 | <0.1 | <0.1 | <0.1 | 39 | 3.58 | 0.182 | 19 |
| JT 202 | Soil | 0.7 | 37.8 | 6.9 | 77 | <0.1 | 25.4 | 13.5 | 990 | 2.82 | 2.1 | 0.9 | 1.8 | 101 | 0.1 | 0.2 | <0.1 | 73 | 0.87 | 0.030 | 13 |
| JT 203 | Soil | 0.4 | 38.2 | 5.0 | 69 | <0.1 | 25.8 | 11.2 | 462 | 2.91 | 1.7 | 1.6 | 1.9 | 91 | 0.1 | 0.2 | <0.1 | 67 | 0.71 | 0.022 | 16 |
| JT 204 | Soil | 0.4 | 31.1 | 4.4 | 79 | <0.1 | 19.4 | 10.0 | 612 | 2.59 | 2.1 | 1.2 | 2.1 | 99 | 0.1 | 0.1 | 0.2 | 71 | 0.79 | 0.032 | 16 |
| JT 205 | Soil | 0.2 | 53.4 | 4.9 | 59 | <0.1 | 27.4 | 12.9 | 470 | 3.31 | 1.7 | 2.7 | 2.2 | 143 | <0.1 | 0.1 | <0.1 | 84 | 0.86 | 0.027 | 19 |
| JT 206 | Soil | 0.3 | 32.7 | 4.7 | 66 | <0.1 | 22.6 | 10.9 | 508 | 2.84 | 1.9 | 1.3 | 1.7 | 116 | 0.1 | 0.1 | <0.1 | 68 | 0.74 | 0.033 | 13 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 8 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 178 | Soil | 23 | 0.51 | 174 | 0.070 | 4 | 2.40 | 0.038 | 0.30 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 179 | Soil | 21 | 0.46 | 206 | 0.084 | 5 | 2.07 | 0.033 | 0.24 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 180 | Soil | 35 | 0.62 | 139 | 0.096 | 7 | 2.58 | 0.032 | 0.38 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 181 | Soil | 24 | 0.47 | 153 | 0.103 | 4 | 2.20 | 0.053 | 0.31 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 182 | Soil | 27 | 0.45 | 148 | 0.136 | 5 | 2.13 | 0.047 | 0.22 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 183 | Soil | 21 | 0.44 | 89 | 0.048 | 9 | 2.00 | 0.019 | 0.24 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 184 | Soil | 23 | 0.46 | 140 | 0.112 | 7 | 1.92 | 0.036 | 0.36 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 185 | Soil | 22 | 0.45 | 134 | 0.129 | 11 | 1.77 | 0.035 | 0.39 | <0.1 | 0.01 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 186 | Soil | 37 | 0.76 | 136 | 0.168 | 5 | 2.60 | 0.040 | 0.26 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 187 | Soil | 42 | 1.09 | 126 | 0.173 | 3 | 2.80 | 0.063 | 0.17 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 188 | Soil | 25 | 0.89 | 63 | 0.168 | 3 | 2.45 | 0.175 | 0.09 | <0.1 | 0.01 | 9.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 189 | Soil | 55 | 1.00 | 116 | 0.183 | 6 | 2.09 | 0.057 | 0.24 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 190 | Soil | 57 | 1.22 | 90 | 0.187 | 11 | 2.02 | 0.065 | 0.24 | <0.1 | 0.01 | 9.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 191 | Soil | 40 | 0.78 | 116 | 0.202 | 8 | 2.06 | 0.038 | 0.30 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 192 | Soil | 40 | 0.69 | 130 | 0.180 | 11 | 2.75 | 0.035 | 0.22 | <0.1 | <0.01 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 193 | Soil | 41 | 0.76 | 127 | 0.181 | 6 | 2.94 | 0.033 | 0.26 | <0.1 | <0.01 | 9.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 194 | Soil | 32 | 0.95 | 93 | 0.178 | 3 | 2.42 | 0.050 | 0.21 | <0.1 | <0.01 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 195 | Soil | 29 | 0.76 | 106 | 0.173 | 5 | 2.30 | 0.039 | 0.28 | <0.1 | <0.01 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 196 | Soil | 47 | 1.00 | 84 | 0.235 | 5 | 2.01 | 0.088 | 0.16 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 197 | Soil | 45 | 0.78 | 117 | 0.207 | 4 | 2.42 | 0.044 | 0.35 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 198 | Soil | 29 | 0.57 | 84 | 0.108 | 7 | 2.36 | 0.027 | 0.28 | <0.1 | 0.01 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 199 | Soil | 19 | 0.43 | 110 | 0.100 | 6 | 1.80 | 0.022 | 0.25 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 200 | Soil | 20 | 0.60 | 101 | 0.050 | 2 | 2.20 | 0.023 | 0.20 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| S P7E 009 | Rock Pulp | 38 | 0.76 | 148 | 0.153 | 5 | 1.60 | 0.126 | 0.15 | 26.5 | 0.06 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 201 | Soil | 9 | 0.41 | 58 | 0.008 | 5 | 1.45 | 0.010 | 0.09 | <0.1 | 0.03 | 5.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 202 | Soil | 32 | 0.53 | 172 | 0.149 | 5 | 2.50 | 0.027 | 0.29 | <0.1 | 0.01 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 203 | Soil | 34 | 0.59 | 144 | 0.157 | 3 | 2.76 | 0.031 | 0.23 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 204 | Soil | 28 | 0.53 | 133 | 0.150 | 6 | 2.43 | 0.036 | 0.23 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 205 | Soil | 33 | 0.86 | 156 | 0.138 | 3 | 3.04 | 0.057 | 0.15 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 206 | Soil | 30 | 0.51 | 125 | 0.158 | 10 | 2.37 | 0.041 | 0.27 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 9 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 207 | Soil | 0.5 | 22.6 | 4.3 | 65 | <0.1 | 15.4 | 7.8 | 513 | 2.23 | 2.4 | 1.0 | 1.6 | 102 | <0.1 | 0.5 | <0.1 | 64 | 0.57 | 0.022 | 11 |
| JT 208 | Soil | 0.2 | 43.7 | 4.8 | 59 | <0.1 | 20.6 | 11.0 | 594 | 2.69 | 2.0 | 1.3 | 2.3 | 134 | 0.1 | 0.2 | <0.1 | 65 | 0.93 | 0.025 | 18 |
| JT 209 | Soil | 0.3 | 25.0 | 4.6 | 75 | <0.1 | 19.6 | 8.9 | 484 | 2.52 | 1.8 | 2.0 | 1.6 | 114 | 0.1 | 0.2 | <0.1 | 63 | 0.68 | 0.036 | 10 |
| JT 210 | Soil | 0.3 | 41.4 | 4.8 | 60 | <0.1 | 28.6 | 13.9 | 549 | 3.09 | 1.7 | 0.8 | 2.0 | 127 | <0.1 | 0.1 | <0.1 | 73 | 0.81 | 0.025 | 16 |
| JT 211 | Soil | 0.3 | 49.0 | 4.9 | 64 | <0.1 | 30.8 | 13.2 | 510 | 3.28 | 1.7 | 2.4 | 2.0 | 126 | 0.1 | 0.2 | <0.1 | 78 | 0.87 | 0.030 | 17 |
| JT 212 | Soil | 0.3 | 25.6 | 4.5 | 102 | <0.1 | 18.2 | 8.2 | 613 | 2.39 | 1.5 | 1.1 | 1.7 | 80 | 0.1 | 0.1 | <0.1 | 56 | 0.64 | 0.020 | 9 |
| JT 213 | Soil | 0.3 | 41.7 | 5.3 | 59 | <0.1 | 21.6 | 11.1 | 505 | 2.85 | 2.0 | 0.9 | 2.0 | 143 | 0.1 | 0.1 | 0.1 | 74 | 0.84 | 0.035 | 17 |
| JT 214 | Soil | 0.4 | 22.5 | 4.4 | 52 | <0.1 | 15.4 | 7.9 | 359 | 2.33 | 1.5 | 1.0 | 1.7 | 117 | <0.1 | 0.1 | 0.1 | 59 | 0.62 | 0.025 | 11 |
| JT 215 | Soil | 0.2 | 43.1 | 4.9 | 43 | <0.1 | 22.9 | 10.0 | 329 | 2.75 | 1.7 | 1.2 | 2.2 | 153 | <0.1 | 0.1 | <0.1 | 66 | 0.86 | 0.033 | 17 |
| JT 216 | Soil | 6.0 | 32.5 | 5.5 | 66 | <0.1 | 11.3 | 7.8 | 598 | 2.22 | 2.6 | 1.0 | 2.0 | 94 | 0.1 | <0.1 | <0.1 | 54 | 0.91 | 0.053 | 14 |
| JT 217 | Soil | 0.4 | 28.4 | 4.1 | 65 | <0.1 | 16.9 | 8.7 | 352 | 2.58 | 2.2 | <0.5 | 2.0 | 93 | <0.1 | 0.1 | <0.1 | 58 | 0.72 | 0.034 | 13 |
| JT 218 | Soil | 0.4 | 18.3 | 4.7 | 72 | <0.1 | 14.2 | 7.4 | 505 | 2.05 | 1.4 | 1.5 | 1.6 | 85 | 0.1 | 0.1 | <0.1 | 51 | 0.56 | 0.018 | 9 |
| JT 219 | Soil | 0.3 | 29.1 | 5.5 | 61 | <0.1 | 17.6 | 9.7 | 424 | 2.82 | 1.4 | 0.8 | 2.3 | 112 | <0.1 | 0.1 | <0.1 | 67 | 0.72 | 0.036 | 16 |
| JT 220 | Soil | 0.3 | 28.2 | 5.0 | 72 | <0.1 | 17.9 | 10.3 | 614 | 2.56 | 1.5 | <0.5 | 2.1 | 118 | <0.1 | <0.1 | <0.1 | 64 | 0.86 | 0.036 | 16 |
| JT 221 | Soil | 0.3 | 27.9 | 5.4 | 63 | <0.1 | 22.2 | 11.5 | 623 | 2.52 | 1.2 | 0.7 | 2.0 | 94 | 0.1 | <0.1 | <0.1 | 64 | 0.72 | 0.024 | 16 |
| JT 222 | Soil | 0.4 | 16.5 | 5.1 | 62 | <0.1 | 14.0 | 6.9 | 393 | 1.96 | 0.9 | <0.5 | 1.4 | 65 | 0.1 | <0.1 | <0.1 | 64 | 0.42 | 0.027 | 5 |
| JT 223 | Soil | 0.3 | 18.4 | 4.9 | 67 | <0.1 | 12.8 | 7.7 | 620 | 1.91 | 1.0 | 1.3 | 1.5 | 67 | 0.1 | <0.1 | <0.1 | 49 | 0.54 | 0.021 | 8 |
| JT 224 | Soil | 0.4 | 39.1 | 5.2 | 107 | <0.1 | 21.1 | 12.6 | 606 | 3.11 | 1.7 | 1.1 | 2.4 | 103 | 0.1 | 0.1 | <0.1 | 73 | 1.03 | 0.031 | 15 |
| JT 225 | Soil | 0.2 | 34.2 | 5.7 | 60 | <0.1 | 20.4 | 10.0 | 385 | 2.99 | 0.9 | <0.5 | 2.3 | 96 | 0.1 | 0.1 | <0.1 | 74 | 0.70 | 0.016 | 17 |
| JT 226 | Soil | 0.2 | 35.2 | 6.1 | 58 | <0.1 | 13.3 | 7.6 | 287 | 2.83 | 1.0 | <0.5 | 2.4 | 128 | <0.1 | <0.1 | <0.1 | 68 | 0.77 | 0.030 | 18 |
| JT 227 | Soil | 0.2 | 31.2 | 6.6 | 69 | <0.1 | 10.4 | 9.6 | 609 | 2.79 | 0.8 | <0.5 | 2.6 | 112 | <0.1 | <0.1 | <0.1 | 75 | 0.58 | 0.016 | 16 |
| JT 228 | Soil | 0.3 | 19.1 | 5.1 | 66 | <0.1 | 14.4 | 7.2 | 268 | 1.93 | 1.2 | 1.7 | 1.3 | 90 | <0.1 | 0.1 | <0.1 | 52 | 0.59 | 0.021 | 8 |
| JT 229 | Soil | 0.3 | 17.5 | 3.8 | 58 | <0.1 | 11.7 | 5.8 | 290 | 1.87 | 1.0 | <0.5 | 1.3 | 109 | <0.1 | 0.1 | <0.1 | 46 | 0.62 | 0.030 | 7 |
| JT 230 | Soil | 0.2 | 32.8 | 5.1 | 70 | <0.1 | 27.7 | 12.5 | 497 | 3.07 | <0.5 | 0.8 | 2.4 | 299 | 0.2 | <0.1 | <0.1 | 71 | 0.84 | 0.029 | 15 |
| JT 231 | Soil | 0.3 | 42.2 | 3.4 | 71 | <0.1 | 50.4 | 19.2 | 459 | 3.92 | 1.9 | <0.5 | 2.0 | 135 | 0.1 | 0.1 | <0.1 | 90 | 0.81 | 0.040 | 19 |
| JT 232 | Soil | 0.3 | 38.8 | 5.0 | 81 | 0.2 | 47.7 | 18.9 | 772 | 3.53 | 1.4 | 1.5 | 2.3 | 238 | 0.1 | <0.1 | 0.2 | 73 | 1.14 | 0.039 | 23 |
| JT 233 | Soil | 0.4 | 38.8 | 4.8 | 73 | <0.1 | 32.3 | 16.3 | 800 | 3.21 | 1.6 | <0.5 | 1.8 | 181 | 0.1 | <0.1 | 0.1 | 72 | 0.90 | 0.037 | 16 |
| JT 234 | Soil | 0.4 | 25.2 | 4.9 | 69 | <0.1 | 21.8 | 12.5 | 721 | 2.28 | <0.5 | 0.6 | 2.1 | 122 | <0.1 | <0.1 | <0.1 | 60 | 0.68 | 0.024 | 12 |
| JT 235 | Soil | 0.1 | 37.3 | 4.6 | 52 | <0.1 | 26.7 | 13.6 | 451 | 2.88 | 0.9 | 0.6 | 2.9 | 125 | <0.1 | <0.1 | <0.1 | 85 | 0.95 | 0.026 | 16 |
| JT 236 | Soil | 0.3 | 18.9 | 4.8 | 80 | <0.1 | 12.7 | 7.6 | 523 | 1.93 | 1.5 | <0.5 | 1.3 | 71 | <0.1 | <0.1 | <0.1 | 53 | 0.47 | 0.023 | 7 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 9 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 207 | Soil | 22 | 0.36 | 125 | 0.129 | 5 | 1.62 | 0.037 | 0.24 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 208 | Soil | 23 | 0.50 | 140 | 0.059 | 6 | 2.50 | 0.048 | 0.28 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 209 | Soil | 28 | 0.44 | 134 | 0.141 | 11 | 2.00 | 0.036 | 0.38 | <0.1 | 0.01 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 210 | Soil | 31 | 0.74 | 132 | 0.131 | 3 | 2.69 | 0.047 | 0.26 | <0.1 | 0.01 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 211 | Soil | 37 | 0.78 | 124 | 0.137 | 5 | 2.94 | 0.041 | 0.35 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 212 | Soil | 25 | 0.45 | 149 | 0.132 | 6 | 2.37 | 0.035 | 0.25 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 213 | Soil | 29 | 0.59 | 167 | 0.108 | 4 | 2.67 | 0.045 | 0.18 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 214 | Soil | 23 | 0.44 | 131 | 0.121 | 4 | 1.89 | 0.038 | 0.21 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 215 | Soil | 25 | 0.67 | 141 | 0.079 | 6 | 2.29 | 0.042 | 0.17 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 216 | Soil | 19 | 0.53 | 84 | 0.065 | 8 | 1.72 | 0.018 | 0.21 | 0.1 | 0.04 | 7.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 217 | Soil | 25 | 0.54 | 100 | 0.114 | 9 | 1.92 | 0.025 | 0.30 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 218 | Soil | 22 | 0.38 | 141 | 0.122 | 4 | 1.72 | 0.027 | 0.20 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 219 | Soil | 28 | 0.58 | 119 | 0.115 | 3 | 2.21 | 0.028 | 0.21 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 220 | Soil | 25 | 0.59 | 135 | 0.112 | 5 | 2.29 | 0.034 | 0.15 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| JT 221 | Soil | 30 | 0.51 | 127 | 0.124 | 5 | 2.15 | 0.026 | 0.19 | <0.1 | 0.03 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 222 | Soil | 23 | 0.39 | 108 | 0.158 | 4 | 1.46 | 0.024 | 0.20 | <0.1 | 0.02 | 4.0 | <0.1 | <0.05 | 4 | 0.6 | <0.2 |
| JT 223 | Soil | 18 | 0.36 | 102 | 0.122 | 4 | 1.37 | 0.022 | 0.20 | <0.1 | 0.03 | 4.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 224 | Soil | 28 | 0.57 | 146 | 0.140 | 5 | 2.53 | 0.029 | 0.24 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 225 | Soil | 30 | 0.59 | 104 | 0.132 | 3 | 2.33 | 0.030 | 0.20 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| JT 226 | Soil | 18 | 0.51 | 97 | 0.148 | 5 | 2.01 | 0.025 | 0.25 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 227 | Soil | 12 | 0.52 | 88 | 0.166 | 3 | 1.86 | 0.024 | 0.23 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 228 | Soil | 23 | 0.36 | 94 | 0.130 | 4 | 1.70 | 0.028 | 0.15 | <0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 229 | Soil | 19 | 0.37 | 79 | 0.127 | 5 | 1.55 | 0.027 | 0.24 | <0.1 | 0.03 | 4.6 | <0.1 | <0.05 | 4 | 0.7 | <0.2 |
| JT 230 | Soil | 29 | 0.66 | 261 | 0.116 | 6 | 2.92 | 0.040 | 0.45 | <0.1 | 0.02 | 8.9 | 0.1 | <0.05 | 7 | 0.6 | <0.2 |
| JT 231 | Soil | 83 | 0.97 | 132 | 0.101 | 4 | 2.47 | 0.030 | 0.17 | <0.1 | 0.03 | 11.0 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| JT 232 | Soil | 54 | 1.10 | 271 | 0.051 | 6 | 3.61 | 0.024 | 0.25 | <0.1 | 0.03 | 10.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 233 | Soil | 34 | 0.77 | 202 | 0.091 | 6 | 3.25 | 0.032 | 0.39 | <0.1 | 0.03 | 9.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 234 | Soil | 23 | 0.47 | 154 | 0.109 | 4 | 2.20 | 0.049 | 0.28 | <0.1 | 0.01 | 6.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 235 | Soil | 20 | 1.02 | 76 | 0.131 | 3 | 2.30 | 0.113 | 0.09 | <0.1 | 0.01 | 9.9 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| JT 236 | Soil | 18 | 0.37 | 91 | 0.147 | 4 | 1.61 | 0.022 | 0.22 | <0.1 | 0.02 | 4.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: May 30, 2013

Page: 10 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| | Method | 1DX15 | | | | | | | | | | | | | | | | | | | |
|-----------|-----------|---------|------|-----|-----|------|------|------|------|------|-----|-------|-----|-----|------|------|------|-----|------|-------|-----|
| | | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| JT 237 | Soil | 0.2 | 17.5 | 4.8 | 49 | <0.1 | 8.9 | 5.8 | 295 | 1.96 | 0.7 | <0.5 | 1.6 | 87 | <0.1 | <0.1 | <0.1 | 49 | 0.55 | 0.027 | 7 |
| JT 238 | Soil | 0.3 | 40.5 | 5.5 | 65 | <0.1 | 12.1 | 9.3 | 521 | 2.59 | 1.2 | <0.5 | 2.5 | 135 | <0.1 | <0.1 | <0.1 | 69 | 0.74 | 0.035 | 14 |
| JT 239 | Soil | 0.2 | 39.3 | 5.6 | 60 | 0.1 | 10.3 | 11.0 | 531 | 3.09 | 1.0 | <0.5 | 2.7 | 237 | 0.1 | <0.1 | <0.1 | 86 | 1.00 | 0.096 | 18 |
| JT 240 | Soil | 0.4 | 36.5 | 7.3 | 80 | <0.1 | 14.6 | 12.3 | 913 | 2.63 | 1.6 | <0.5 | 2.9 | 124 | 0.1 | 0.1 | <0.1 | 69 | 1.04 | 0.045 | 16 |
| JT 241 | Soil | 0.2 | 23.3 | 5.0 | 69 | <0.1 | 11.6 | 8.3 | 796 | 1.87 | 1.1 | <0.5 | 1.8 | 105 | 0.1 | <0.1 | <0.1 | 47 | 0.71 | 0.019 | 12 |
| JT 242 | Soil | 0.3 | 20.6 | 5.8 | 65 | <0.1 | 15.1 | 9.0 | 712 | 1.98 | 0.9 | 1.0 | 1.5 | 97 | 0.1 | 0.1 | <0.1 | 55 | 0.58 | 0.024 | 10 |
| JT 243 | Soil | 0.3 | 22.0 | 5.4 | 71 | <0.1 | 14.8 | 9.0 | 592 | 2.36 | 1.1 | <0.5 | 1.8 | 63 | 0.2 | <0.1 | <0.1 | 71 | 0.62 | 0.027 | 15 |
| JT 244 | Soil | 0.4 | 38.3 | 5.4 | 92 | <0.1 | 29.1 | 15.4 | 1175 | 2.72 | 2.1 | <0.5 | 1.8 | 101 | 0.2 | 0.1 | <0.1 | 72 | 0.87 | 0.030 | 11 |
| JT 245 | Soil | 0.2 | 31.1 | 4.3 | 72 | <0.1 | 23.5 | 9.5 | 386 | 2.62 | 1.4 | 1.4 | 1.8 | 102 | <0.1 | <0.1 | <0.1 | 57 | 0.79 | 0.027 | 9 |
| JT 246 | Soil | 0.4 | 42.3 | 4.2 | 52 | <0.1 | 28.4 | 9.5 | 279 | 3.16 | 2.1 | 2.8 | 2.2 | 110 | <0.1 | 0.1 | <0.1 | 72 | 0.83 | 0.038 | 12 |
| JT 247 | Soil | 0.2 | 44.5 | 3.8 | 53 | <0.1 | 32.0 | 12.1 | 356 | 2.95 | 1.3 | <0.5 | 2.6 | 77 | <0.1 | <0.1 | <0.1 | 64 | 0.69 | 0.027 | 16 |
| JT 248 | Soil | 0.1 | 48.1 | 3.7 | 55 | <0.1 | 35.2 | 12.9 | 382 | 3.26 | 1.6 | <0.5 | 2.6 | 85 | <0.1 | <0.1 | <0.1 | 76 | 0.75 | 0.028 | 13 |
| JT 249 | Soil | 0.2 | 38.5 | 4.0 | 64 | <0.1 | 32.3 | 11.9 | 405 | 3.06 | 1.3 | <0.5 | 2.2 | 83 | <0.1 | <0.1 | 0.1 | 64 | 0.69 | 0.021 | 10 |
| JT 250 | Soil | 0.2 | 29.0 | 3.9 | 74 | <0.1 | 25.9 | 9.0 | 318 | 2.68 | 1.3 | <0.5 | 1.8 | 70 | 0.1 | <0.1 | 0.1 | 53 | 0.66 | 0.026 | 9 |
| S P7E 010 | Rock Pulp | 6.7 | 47.3 | 5.1 | 52 | 0.6 | 33.4 | 13.7 | 492 | 2.98 | 6.7 | 635.5 | 1.4 | 48 | 0.3 | 1.1 | 0.2 | 64 | 0.87 | 0.054 | 7 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: May 30, 2013

Page: 10 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001613.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 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 |
| JT 237 | Soil | 14 | 0.35 | 68 | 0.134 | 4 | 1.34 | 0.020 | 0.29 | <0.1 | 0.05 | 4.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 238 | Soil | 12 | 0.68 | 83 | 0.140 | 7 | 1.72 | 0.023 | 0.21 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 239 | Soil | 11 | 1.01 | 134 | 0.139 | 3 | 1.92 | 0.039 | 0.10 | <0.1 | 0.05 | 7.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 240 | Soil | 14 | 0.73 | 109 | 0.128 | 6 | 2.07 | 0.021 | 0.23 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | 0.7 | <0.2 |
| JT 241 | Soil | 13 | 0.37 | 106 | 0.111 | 5 | 1.44 | 0.020 | 0.23 | <0.1 | 0.04 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 242 | Soil | 19 | 0.38 | 113 | 0.131 | 5 | 1.51 | 0.033 | 0.20 | <0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 243 | Soil | 20 | 0.43 | 77 | 0.154 | 4 | 1.65 | 0.023 | 0.25 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 244 | Soil | 36 | 0.67 | 145 | 0.173 | 9 | 2.72 | 0.033 | 0.28 | <0.1 | 0.04 | 8.3 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| JT 245 | Soil | 33 | 0.60 | 103 | 0.195 | 5 | 2.34 | 0.042 | 0.25 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| JT 246 | Soil | 42 | 0.73 | 111 | 0.175 | 5 | 2.70 | 0.041 | 0.17 | <0.1 | 0.02 | 10.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 247 | Soil | 48 | 1.01 | 84 | 0.125 | 6 | 2.19 | 0.046 | 0.29 | <0.1 | 0.01 | 9.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 248 | Soil | 45 | 1.16 | 86 | 0.158 | 6 | 2.41 | 0.045 | 0.25 | <0.1 | 0.02 | 10.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 249 | Soil | 38 | 0.92 | 101 | 0.178 | 6 | 2.24 | 0.032 | 0.35 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 250 | Soil | 32 | 0.64 | 96 | 0.159 | 6 | 2.33 | 0.029 | 0.27 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| S P7E 010 | Rock Pulp | 37 | 0.74 | 153 | 0.151 | 5 | 1.60 | 0.130 | 0.15 | 25.3 | 0.05 | 5.5 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001613.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| JT 024 | Soil | 0.3 | 38.1 | 4.9 | 64 | <0.1 | 28.3 | 12.2 | 599 | 2.81 | 1.9 | <0.5 | 1.9 | 116 | 0.2 | 0.2 | <0.1 | 69 | 0.67 | 0.027 | 13 |
| REP JT 024 | QC | 0.3 | 38.5 | 5.1 | 64 | <0.1 | 28.3 | 12.1 | 601 | 2.84 | 2.0 | <0.5 | 1.9 | 116 | <0.1 | 0.2 | <0.1 | 68 | 0.67 | 0.026 | 13 |
| JT 059 | Soil | 0.4 | 40.5 | 5.3 | 58 | <0.1 | 33.7 | 14.0 | 509 | 2.95 | 1.2 | <0.5 | 2.1 | 96 | 0.2 | 0.2 | <0.1 | 62 | 0.76 | 0.029 | 14 |
| REP JT 059 | QC | 0.3 | 41.1 | 5.1 | 59 | <0.1 | 34.8 | 14.8 | 526 | 3.10 | 1.6 | <0.5 | 2.1 | 100 | <0.1 | 0.2 | <0.1 | 65 | 0.81 | 0.030 | 14 |
| JT 095 | Soil | 0.2 | 39.4 | 4.1 | 62 | <0.1 | 32.9 | 12.5 | 454 | 3.07 | 0.8 | 0.7 | 2.3 | 133 | 0.1 | <0.1 | <0.1 | 66 | 0.70 | 0.014 | 13 |
| REP JT 095 | QC | 0.2 | 36.9 | 4.3 | 59 | <0.1 | 31.0 | 12.1 | 473 | 2.91 | 0.7 | <0.5 | 2.1 | 138 | <0.1 | <0.1 | <0.1 | 67 | 0.71 | 0.014 | 13 |
| JT 126 | Soil | 0.9 | 20.4 | 4.5 | 73 | <0.1 | 18.7 | 9.1 | 916 | 1.82 | 2.0 | <0.5 | 1.3 | 68 | 0.1 | 0.1 | <0.1 | 47 | 0.67 | 0.027 | 9 |
| REP JT 126 | QC | 0.8 | 19.9 | 4.5 | 74 | <0.1 | 17.9 | 9.3 | 907 | 1.85 | 2.0 | <0.5 | 1.3 | 70 | 0.1 | 0.1 | <0.1 | 49 | 0.69 | 0.027 | 8 |
| JT 130 | Soil | 0.6 | 35.5 | 5.6 | 64 | <0.1 | 26.6 | 13.1 | 417 | 2.95 | 1.3 | 0.7 | 2.2 | 90 | 0.1 | 0.2 | 0.1 | 68 | 0.68 | 0.027 | 13 |
| REP JT 130 | QC | 0.5 | 33.7 | 5.5 | 64 | <0.1 | 25.0 | 12.7 | 406 | 2.89 | 1.1 | <0.5 | 2.1 | 91 | 0.2 | 0.1 | 0.1 | 69 | 0.65 | 0.026 | 14 |
| JT 153 | Soil | 0.3 | 36.2 | 4.8 | 51 | <0.1 | 27.3 | 13.1 | 507 | 2.76 | 1.5 | <0.5 | 2.1 | 138 | 0.1 | 0.1 | <0.1 | 64 | 0.84 | 0.041 | 18 |
| REP JT 153 | QC | 0.3 | 38.3 | 4.7 | 51 | <0.1 | 26.9 | 13.7 | 512 | 2.69 | 1.9 | 0.5 | 2.0 | 138 | 0.1 | 0.1 | <0.1 | 64 | 0.88 | 0.045 | 19 |
| JT 165 | Soil | 0.4 | 29.8 | 4.9 | 74 | <0.1 | 27.1 | 11.1 | 540 | 2.73 | 1.3 | <0.5 | 1.9 | 83 | 0.1 | 0.1 | <0.1 | 57 | 0.73 | 0.032 | 10 |
| REP JT 165 | QC | 0.3 | 30.2 | 4.9 | 72 | <0.1 | 27.0 | 11.1 | 548 | 2.82 | 1.2 | <0.5 | 2.0 | 82 | 0.1 | 0.1 | <0.1 | 57 | 0.74 | 0.031 | 10 |
| JT 200 | Soil | 0.1 | 35.7 | 4.6 | 55 | <0.1 | 11.3 | 7.9 | 266 | 2.95 | 2.0 | 1.5 | 1.8 | 64 | <0.1 | <0.1 | <0.1 | 69 | 0.56 | 0.021 | 20 |
| REP JT 200 | QC | 0.2 | 35.9 | 4.5 | 56 | <0.1 | 11.0 | 8.2 | 260 | 2.90 | 1.6 | 2.1 | 1.7 | 63 | <0.1 | <0.1 | <0.1 | 71 | 0.56 | 0.022 | 19 |
| JT 236 | Soil | 0.3 | 18.9 | 4.8 | 80 | <0.1 | 12.7 | 7.6 | 523 | 1.93 | 1.5 | <0.5 | 1.3 | 71 | <0.1 | <0.1 | <0.1 | 53 | 0.47 | 0.023 | 7 |
| REP JT 236 | QC | 0.4 | 19.2 | 4.8 | 80 | <0.1 | 13.0 | 7.6 | 526 | 1.91 | 1.1 | <0.5 | 1.3 | 74 | <0.1 | <0.1 | <0.1 | 52 | 0.47 | 0.025 | 7 |
| JT 250 | Soil | 0.2 | 29.0 | 3.9 | 74 | <0.1 | 25.9 | 9.0 | 318 | 2.68 | 1.3 | <0.5 | 1.8 | 70 | 0.1 | <0.1 | 0.1 | 53 | 0.66 | 0.026 | 9 |
| REP JT 250 | QC | 0.2 | 29.3 | 3.8 | 73 | <0.1 | 25.0 | 9.2 | 313 | 2.67 | 1.2 | <0.5 | 1.8 | 72 | 0.2 | <0.1 | <0.1 | 57 | 0.65 | 0.026 | 9 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 14.6 | 151.1 | 143.9 | 355 | 1.9 | 72.2 | 13.0 | 850 | 2.69 | 43.7 | 75.8 | 7.2 | 67 | 2.5 | 9.9 | 12.3 | 42 | 1.02 | 0.070 | 18 |
| STD DS10 | Standard | 14.7 | 159.2 | 147.3 | 359 | 2.0 | 76.6 | 13.3 | 880 | 2.80 | 45.0 | 93.2 | 7.8 | 72 | 2.5 | 10.0 | 12.9 | 46 | 1.07 | 0.077 | 18 |
| STD DS10 | Standard | 14.0 | 157.6 | 145.1 | 367 | 2.1 | 75.2 | 13.2 | 896 | 2.82 | 45.3 | 76.2 | 7.5 | 67 | 2.5 | 9.9 | 12.8 | 44 | 1.04 | 0.074 | 18 |
| STD DS10 | Standard | 14.9 | 151.5 | 148.2 | 350 | 2.0 | 72.9 | 13.3 | 873 | 2.74 | 44.8 | 79.2 | 7.9 | 68 | 2.6 | 9.5 | 12.5 | 43 | 1.06 | 0.071 | 18 |
| STD DS10 | Standard | 15.3 | 157.7 | 144.8 | 349 | 2.1 | 77.2 | 13.1 | 883 | 2.78 | 45.1 | 104.7 | 7.4 | 70 | 2.5 | 9.7 | 12.2 | 45 | 1.05 | 0.075 | 18 |
| STD DS10 | Standard | 15.9 | 155.8 | 146.2 | 355 | 2.0 | 74.5 | 13.3 | 895 | 2.81 | 44.1 | 86.9 | 7.7 | 69 | 2.4 | 10.0 | 12.3 | 46 | 1.07 | 0.073 | 19 |
| STD DS10 | Standard | 15.0 | 156.6 | 147.0 | 354 | 2.1 | 76.4 | 13.0 | 881 | 2.74 | 44.8 | 82.5 | 7.7 | 69 | 2.8 | 10.0 | 12.6 | 44 | 1.05 | 0.075 | 18 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 1 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001613.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| JT 024 | Soil | 30 | 0.65 | 126 | 0.139 | 12 | 2.39 | 0.033 | 0.40 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 024 | QC | 30 | 0.65 | 126 | 0.139 | 11 | 2.38 | 0.034 | 0.41 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 059 | Soil | 35 | 0.76 | 131 | 0.092 | 5 | 2.83 | 0.025 | 0.42 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP JT 059 | QC | 37 | 0.77 | 129 | 0.105 | 6 | 3.02 | 0.026 | 0.45 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| JT 095 | Soil | 42 | 0.77 | 125 | 0.190 | <1 | 2.40 | 0.051 | 0.35 | <0.1 | 0.01 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP JT 095 | QC | 40 | 0.73 | 131 | 0.200 | <1 | 2.37 | 0.055 | 0.33 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 126 | Soil | 19 | 0.41 | 138 | 0.107 | 4 | 1.79 | 0.026 | 0.13 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP JT 126 | QC | 20 | 0.42 | 139 | 0.111 | 2 | 1.85 | 0.028 | 0.13 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 130 | Soil | 35 | 0.66 | 133 | 0.150 | 3 | 2.65 | 0.036 | 0.26 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 130 | QC | 33 | 0.63 | 133 | 0.145 | 3 | 2.46 | 0.032 | 0.26 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 153 | Soil | 24 | 0.76 | 140 | 0.055 | 3 | 2.75 | 0.031 | 0.20 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 153 | QC | 24 | 0.73 | 143 | 0.050 | 3 | 2.63 | 0.029 | 0.19 | <0.1 | 0.04 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 165 | Soil | 37 | 0.65 | 106 | 0.149 | 6 | 2.54 | 0.035 | 0.31 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 165 | QC | 37 | 0.64 | 108 | 0.155 | 6 | 2.51 | 0.036 | 0.32 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 200 | Soil | 20 | 0.60 | 101 | 0.050 | 2 | 2.20 | 0.023 | 0.20 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 200 | QC | 20 | 0.58 | 98 | 0.054 | 2 | 2.16 | 0.021 | 0.20 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 236 | Soil | 18 | 0.37 | 91 | 0.147 | 4 | 1.61 | 0.022 | 0.22 | <0.1 | 0.02 | 4.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP JT 236 | QC | 18 | 0.38 | 91 | 0.138 | 5 | 1.67 | 0.023 | 0.22 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 250 | Soil | 32 | 0.64 | 96 | 0.159 | 6 | 2.33 | 0.029 | 0.27 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 250 | QC | 32 | 0.64 | 95 | 0.166 | 6 | 2.38 | 0.030 | 0.27 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 54 | 0.74 | 354 | 0.085 | 6 | 0.98 | 0.063 | 0.31 | 3.2 | 0.27 | 2.7 | 4.6 | 0.26 | 4 | 2.3 | 4.4 |
| STD DS10 | Standard | 57 | 0.80 | 367 | 0.088 | 6 | 1.09 | 0.064 | 0.33 | 3.4 | 0.31 | 2.7 | 5.0 | 0.29 | 4 | 2.8 | 4.9 |
| STD DS10 | Standard | 56 | 0.78 | 350 | 0.086 | 9 | 1.02 | 0.064 | 0.32 | 3.3 | 0.27 | 2.7 | 4.7 | 0.28 | 5 | 1.9 | 4.9 |
| STD DS10 | Standard | 56 | 0.77 | 355 | 0.090 | 8 | 1.03 | 0.064 | 0.32 | 3.5 | 0.31 | 2.7 | 4.6 | 0.29 | 4 | 1.9 | 4.9 |
| STD DS10 | Standard | 56 | 0.78 | 356 | 0.087 | 6 | 1.04 | 0.067 | 0.33 | 3.4 | 0.28 | 2.8 | 4.7 | 0.27 | 4 | 2.5 | 4.5 |
| STD DS10 | Standard | 58 | 0.78 | 361 | 0.093 | 7 | 1.10 | 0.065 | 0.33 | 3.3 | 0.28 | 2.8 | 5.0 | 0.27 | 4 | 2.8 | 4.9 |
| STD DS10 | Standard | 54 | 0.77 | 341 | 0.084 | 8 | 1.01 | 0.065 | 0.31 | 3.5 | 0.27 | 2.7 | 4.8 | 0.28 | 4 | 2.2 | 4.9 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001613.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | | 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 | 1 |
| STD DS10 | Standard | 14.8 | 159.6 | 150.6 | 366 | 1.9 | 76.6 | 13.6 | 904 | 2.81 | 45.4 | 88.5 | 7.8 | 68 | 2.6 | 9.6 | 12.3 | 45 | 1.05 | 0.076 | 18 |
| STD DS10 | Standard | 14.3 | 158.6 | 152.5 | 360 | 2.0 | 75.4 | 13.5 | 885 | 2.74 | 45.3 | 135.8 | 7.7 | 66 | 2.5 | 9.5 | 12.0 | 46 | 1.02 | 0.075 | 17 |
| STD DS10 | Standard | 13.3 | 153.8 | 149.8 | 360 | 2.0 | 74.5 | 12.9 | 855 | 2.64 | 44.4 | 168.4 | 7.0 | 65 | 2.5 | 10.0 | 11.4 | 42 | 1.00 | 0.073 | 16 |
| STD DS9 | Standard | 13.7 | 110.6 | 132.6 | 318 | 1.8 | 40.9 | 7.9 | 589 | 2.38 | 25.4 | 120.3 | 7.0 | 78 | 2.6 | 5.9 | 7.1 | 42 | 0.75 | 0.083 | 15 |
| STD DS9 | Standard | 13.3 | 110.6 | 127.8 | 300 | 1.9 | 40.0 | 7.6 | 600 | 2.30 | 25.7 | 109.5 | 6.9 | 74 | 2.6 | 6.1 | 7.1 | 42 | 0.75 | 0.080 | 16 |
| STD DS9 | Standard | 12.7 | 105.9 | 125.2 | 303 | 1.7 | 38.7 | 7.4 | 580 | 2.26 | 24.9 | 115.1 | 6.3 | 71 | 2.4 | 6.2 | 6.8 | 39 | 0.71 | 0.077 | 14 |
| STD DS9 | Standard | 12.8 | 110.8 | 127.4 | 304 | 1.8 | 40.2 | 7.6 | 573 | 2.32 | 25.6 | 119.6 | 6.4 | 74 | 2.4 | 5.8 | 6.8 | 41 | 0.74 | 0.085 | 15 |
| STD DS9 | Standard | 13.6 | 111.3 | 128.0 | 319 | 1.9 | 40.2 | 7.9 | 585 | 2.33 | 25.5 | 115.4 | 6.7 | 78 | 2.3 | 6.2 | 6.8 | 42 | 0.74 | 0.079 | 16 |
| STD DS9 | Standard | 12.0 | 107.5 | 128.1 | 307 | 1.7 | 38.9 | 7.5 | 560 | 2.21 | 24.5 | 118.4 | 6.3 | 71 | 2.3 | 6.0 | 7.3 | 39 | 0.68 | 0.082 | 13 |
| STD DS9 | Standard | 13.4 | 114.8 | 136.8 | 328 | 1.8 | 42.1 | 7.8 | 613 | 2.41 | 27.1 | 119.5 | 6.8 | 77 | 2.7 | 6.1 | 7.3 | 43 | 0.76 | 0.089 | 15 |
| STD DS9 | Standard | 12.9 | 112.8 | 132.0 | 312 | 1.7 | 41.2 | 7.4 | 593 | 2.27 | 26.6 | 108.7 | 6.7 | 74 | 2.4 | 5.7 | 6.7 | 42 | 0.70 | 0.084 | 14 |
| STD DS9 | Standard | 12.0 | 104.7 | 128.8 | 307 | 1.7 | 42.2 | 8.1 | 580 | 2.26 | 26.4 | 112.7 | 5.8 | 68 | 2.3 | 6.2 | 6.0 | 41 | 0.66 | 0.083 | 12 |
| 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 | 13.3 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | 0.7 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: May 30, 2013

Page: 2 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001613.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|------------------|----------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | 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 |
| STD DS10 | Standard | 56 | 0.77 | 365 | 0.087 | 7 | 1.04 | 0.066 | 0.33 | 3.3 | 0.30 | 2.7 | 4.9 | 0.26 | 5 | 1.7 | 5.5 |
| STD DS10 | Standard | 56 | 0.77 | 351 | 0.078 | 6 | 1.00 | 0.062 | 0.32 | 3.5 | 0.28 | 2.9 | 4.8 | 0.27 | 4 | 2.0 | 4.8 |
| STD DS10 | Standard | 54 | 0.74 | 336 | 0.074 | 6 | 0.99 | 0.060 | 0.31 | 3.4 | 0.28 | 2.4 | 4.5 | 0.31 | 4 | 1.6 | 4.8 |
| STD DS9 | Standard | 125 | 0.61 | 303 | 0.128 | 2 | 0.97 | 0.082 | 0.39 | 3.1 | 0.20 | 2.5 | 5.2 | 0.14 | 5 | 5.5 | 5.2 |
| STD DS9 | Standard | 123 | 0.64 | 302 | 0.128 | 3 | 0.97 | 0.088 | 0.39 | 3.2 | 0.22 | 2.4 | 5.0 | 0.15 | 5 | 5.7 | 5.2 |
| STD DS9 | Standard | 115 | 0.59 | 289 | 0.115 | 3 | 0.89 | 0.079 | 0.38 | 3.0 | 0.21 | 2.5 | 4.9 | 0.14 | 5 | 4.7 | 5.1 |
| STD DS9 | Standard | 118 | 0.62 | 305 | 0.127 | 2 | 0.95 | 0.088 | 0.39 | 2.8 | 0.20 | 2.4 | 5.2 | 0.14 | 5 | 4.6 | 4.9 |
| STD DS9 | Standard | 123 | 0.64 | 300 | 0.130 | 3 | 1.00 | 0.092 | 0.39 | 3.1 | 0.21 | 2.6 | 5.1 | 0.14 | 5 | 6.3 | 4.9 |
| STD DS9 | Standard | 115 | 0.60 | 288 | 0.112 | 3 | 0.90 | 0.079 | 0.37 | 3.0 | 0.20 | 2.0 | 5.2 | 0.15 | 4 | 5.4 | 5.0 |
| STD DS9 | Standard | 127 | 0.66 | 299 | 0.124 | 4 | 1.00 | 0.087 | 0.41 | 3.0 | 0.22 | 2.4 | 5.4 | 0.15 | 5 | 4.9 | 5.0 |
| STD DS9 | Standard | 122 | 0.62 | 290 | 0.114 | 2 | 0.96 | 0.081 | 0.38 | 3.2 | 0.21 | 2.4 | 5.2 | 0.16 | 5 | 4.9 | 5.4 |
| STD DS9 | Standard | 119 | 0.60 | 294 | 0.107 | 2 | 0.94 | 0.074 | 0.37 | 3.0 | 0.19 | 2.0 | 4.9 | 0.20 | 4 | 6.1 | 4.8 |
| STD DS9 Expected | | 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 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <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 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: May 22, 2013
Report Date: June 05, 2013
Page: 1 of 11

CERTIFICATE OF ANALYSIS

VAN13001690.1

CLIENT JOB INFORMATION

Project: GP-13
Shipment ID:
P.O. Number
Number of Samples: 291

SAMPLE DISPOSAL

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

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

Invoice To: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| Dry at 60C | 284 | Dry at 60C | | | VAN |
| SS80 | 279 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| 1DX2 | 284 | 1:1:1 Aqua Regia digestion 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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 2 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH-351 | Soil | | 0.5 | 31.5 | 4.9 | 62 | <0.1 | 36.5 | 13.2 | 683 | 2.98 | 1.7 | 1.2 | 1.7 | 96 | <0.1 | 0.1 | 0.1 | 63 | 0.73 | 0.031 | 11 |
| EH-352 | Soil | | 0.5 | 30.4 | 4.3 | 67 | <0.1 | 27.2 | 12.1 | 615 | 2.96 | 2.0 | <0.5 | 1.7 | 94 | <0.1 | 0.1 | 0.1 | 65 | 0.80 | 0.035 | 12 |
| EH-353 | Soil | | 0.4 | 36.1 | 4.2 | 69 | <0.1 | 25.2 | 12.2 | 568 | 3.18 | 3.5 | 1.2 | 1.7 | 100 | <0.1 | 0.2 | 0.1 | 76 | 0.81 | 0.037 | 16 |
| EH-354 | Soil | | 0.3 | 38.4 | 4.2 | 63 | <0.1 | 27.5 | 13.0 | 535 | 3.40 | 2.1 | 1.1 | 1.9 | 109 | <0.1 | 0.1 | <0.1 | 76 | 0.78 | 0.035 | 14 |
| EH-355 | Soil | | 0.4 | 51.0 | 3.1 | 79 | <0.1 | 33.5 | 16.0 | 685 | 4.10 | 3.7 | 0.7 | 1.9 | 108 | 0.1 | 0.1 | <0.1 | 93 | 0.92 | 0.053 | 17 |
| EH-356 | Soil | | 0.4 | 35.0 | 4.6 | 62 | <0.1 | 26.9 | 11.6 | 476 | 3.26 | 2.3 | <0.5 | 1.9 | 94 | 0.1 | 0.2 | <0.1 | 69 | 0.75 | 0.031 | 13 |
| EH-357 | Soil | | 0.4 | 50.4 | 4.3 | 72 | <0.1 | 30.1 | 15.5 | 679 | 3.90 | 3.6 | 2.2 | 1.8 | 117 | 0.2 | 0.2 | <0.1 | 99 | 1.49 | 0.094 | 13 |
| EH-358 | Soil | | 0.6 | 44.7 | 4.4 | 70 | <0.1 | 30.9 | 13.9 | 569 | 3.53 | 2.8 | 1.0 | 1.7 | 154 | 0.1 | 0.2 | <0.1 | 79 | 0.94 | 0.052 | 14 |
| EH-359 | Soil | | 0.6 | 41.7 | 5.6 | 102 | <0.1 | 29.6 | 15.2 | 1059 | 3.27 | 3.5 | <0.5 | 1.9 | 121 | 0.2 | 0.3 | <0.1 | 68 | 1.05 | 0.050 | 15 |
| EH-360 | Soil | | 0.7 | 42.7 | 5.3 | 59 | <0.1 | 28.0 | 13.1 | 572 | 3.38 | 4.4 | 3.8 | 2.1 | 168 | <0.1 | 0.3 | <0.1 | 75 | 1.00 | 0.043 | 15 |
| EH-361 | Soil | | 0.3 | 54.8 | 4.8 | 69 | <0.1 | 29.2 | 13.7 | 598 | 3.66 | 4.1 | 1.5 | 1.8 | 104 | 0.2 | 0.2 | <0.1 | 82 | 1.36 | 0.071 | 15 |
| EH-362 | Soil | | 0.5 | 38.2 | 5.8 | 72 | <0.1 | 22.2 | 11.4 | 658 | 3.00 | 6.7 | 1.7 | 1.9 | 100 | 0.1 | 0.3 | <0.1 | 59 | 0.75 | 0.055 | 18 |
| EH-363 | Soil | | 0.9 | 37.9 | 6.6 | 54 | 0.1 | 21.7 | 11.8 | 627 | 3.18 | 5.7 | 3.1 | 1.7 | 109 | 0.2 | 0.3 | <0.1 | 45 | 0.70 | 0.051 | 23 |
| EH-364 | Soil | | 0.3 | 39.7 | 5.5 | 72 | 0.1 | 25.2 | 13.2 | 843 | 3.06 | 3.6 | 1.6 | 1.8 | 74 | 0.2 | 0.2 | 0.3 | 54 | 0.76 | 0.037 | 18 |
| EH-365 | Soil | | 0.6 | 39.3 | 5.3 | 73 | <0.1 | 26.2 | 12.7 | 761 | 2.87 | 4.8 | 1.9 | 1.6 | 85 | 0.2 | 0.3 | 0.2 | 58 | 0.91 | 0.047 | 13 |
| EH-366 | Soil | | 0.5 | 38.9 | 4.3 | 97 | <0.1 | 23.7 | 11.9 | 895 | 2.67 | 3.2 | <0.5 | 1.0 | 91 | 0.3 | 0.2 | <0.1 | 48 | 1.14 | 0.067 | 15 |
| EH-367 | Soil | | 0.3 | 32.1 | 4.2 | 67 | <0.1 | 22.8 | 11.2 | 550 | 2.89 | 1.1 | 0.7 | 1.7 | 98 | 0.1 | <0.1 | <0.1 | 64 | 0.70 | 0.030 | 11 |
| EH-368 | Soil | | 0.3 | 34.3 | 4.2 | 66 | <0.1 | 23.4 | 11.5 | 505 | 3.05 | 1.1 | 0.8 | 1.8 | 91 | 0.1 | <0.1 | <0.1 | 65 | 0.73 | 0.025 | 10 |
| EH-369 | Soil | | 0.4 | 34.2 | 5.1 | 94 | <0.1 | 22.6 | 11.7 | 821 | 2.80 | 1.4 | 1.3 | 1.8 | 108 | 0.2 | 0.1 | <0.1 | 63 | 0.78 | 0.039 | 11 |
| EH-370 | Soil | | 0.7 | 29.3 | 3.6 | 81 | <0.1 | 20.6 | 10.7 | 600 | 2.59 | 1.4 | 0.7 | 1.3 | 81 | 0.2 | 0.1 | <0.1 | 60 | 0.79 | 0.039 | 7 |
| EH-371 | Soil | | 0.3 | 38.5 | 4.7 | 63 | <0.1 | 29.3 | 12.8 | 490 | 3.22 | 1.4 | <0.5 | 2.0 | 98 | 0.2 | 0.2 | <0.1 | 70 | 0.66 | 0.038 | 15 |
| EH-372 | Soil | | 0.6 | 29.9 | 3.6 | 81 | <0.1 | 27.6 | 11.6 | 604 | 2.70 | 1.2 | <0.5 | 1.6 | 70 | <0.1 | <0.1 | 0.2 | 53 | 0.67 | 0.036 | 11 |
| EH-373 | Soil | | 0.3 | 33.9 | 4.0 | 78 | <0.1 | 32.4 | 12.4 | 598 | 2.93 | 1.2 | 0.6 | 1.7 | 63 | <0.1 | <0.1 | <0.1 | 53 | 0.55 | 0.032 | 10 |
| EH-374 | Soil | | 0.2 | 37.0 | 3.9 | 63 | <0.1 | 27.8 | 10.7 | 403 | 2.85 | 1.1 | 0.7 | 2.2 | 73 | <0.1 | <0.1 | <0.1 | 53 | 0.65 | 0.031 | 10 |
| EH-375 | Soil | | 0.1 | 40.7 | 4.0 | 64 | <0.1 | 32.3 | 12.2 | 507 | 3.08 | 1.0 | <0.5 | 2.6 | 83 | 0.2 | 0.1 | <0.1 | 62 | 0.71 | 0.031 | 12 |
| EH-376 | Soil | | 0.3 | 34.9 | 3.6 | 71 | 0.1 | 39.3 | 14.7 | 478 | 3.30 | 1.6 | <0.5 | 2.5 | 64 | <0.1 | <0.1 | <0.1 | 77 | 0.73 | 0.043 | 13 |
| EH-377 | Soil | | 0.4 | 29.6 | 3.9 | 55 | <0.1 | 28.4 | 10.6 | 540 | 2.67 | 1.9 | 2.1 | 2.0 | 61 | 0.2 | 0.1 | <0.1 | 57 | 0.64 | 0.030 | 11 |
| EH-378 | Soil | | 0.4 | 29.4 | 4.0 | 68 | <0.1 | 26.1 | 10.8 | 573 | 2.76 | 1.8 | <0.5 | 2.2 | 78 | 0.2 | <0.1 | <0.1 | 57 | 0.74 | 0.032 | 13 |
| EH-379 | Soil | | 0.5 | 33.3 | 4.0 | 73 | <0.1 | 26.8 | 13.4 | 806 | 2.92 | 1.7 | <0.5 | 2.2 | 96 | 0.1 | 0.1 | <0.1 | 65 | 0.77 | 0.027 | 12 |
| EH-380 | Soil | | 0.4 | 34.0 | 4.9 | 86 | <0.1 | 24.9 | 11.4 | 708 | 2.83 | 2.5 | <0.5 | 1.8 | 100 | 0.1 | 0.2 | <0.1 | 67 | 0.79 | 0.041 | 10 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 2 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH-351 | Soil | 50 | 0.89 | 123 | 0.142 | 8 | 2.55 | 0.038 | 0.23 | <0.1 | 0.03 | 7.8 | <0.1 | 0.07 | 7 | 0.6 | <0.2 |
| EH-352 | Soil | 32 | 0.75 | 137 | 0.156 | 5 | 2.65 | 0.028 | 0.18 | <0.1 | 0.04 | 7.9 | <0.1 | 0.05 | 6 | <0.5 | <0.2 |
| EH-353 | Soil | 35 | 0.68 | 140 | 0.124 | 5 | 2.67 | 0.026 | 0.20 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-354 | Soil | 32 | 0.88 | 134 | 0.149 | 5 | 2.64 | 0.033 | 0.20 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-355 | Soil | 52 | 1.03 | 109 | 0.103 | 7 | 3.01 | 0.037 | 0.22 | <0.1 | 0.02 | 12.7 | <0.1 | 0.07 | 8 | 0.8 | <0.2 |
| EH-356 | Soil | 36 | 0.73 | 164 | 0.121 | 5 | 2.88 | 0.034 | 0.17 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 7 | 1.0 | <0.2 |
| EH-357 | Soil | 30 | 0.94 | 89 | 0.086 | 9 | 2.96 | 0.036 | 0.25 | <0.1 | 0.22 | 10.7 | <0.1 | 0.05 | 8 | 0.8 | <0.2 |
| EH-358 | Soil | 32 | 0.79 | 152 | 0.114 | 6 | 2.96 | 0.026 | 0.44 | <0.1 | 0.09 | 9.0 | <0.1 | 0.05 | 8 | <0.5 | <0.2 |
| EH-359 | Soil | 28 | 0.82 | 176 | 0.086 | 10 | 2.85 | 0.021 | 0.55 | <0.1 | 0.03 | 7.6 | <0.1 | 0.08 | 7 | <0.5 | 0.2 |
| EH-360 | Soil | 35 | 0.78 | 147 | 0.080 | 5 | 3.20 | 0.026 | 0.21 | <0.1 | 0.04 | 9.1 | <0.1 | 0.05 | 8 | 1.2 | <0.2 |
| EH-361 | Soil | 37 | 0.94 | 145 | 0.105 | 7 | 3.82 | 0.027 | 0.19 | <0.1 | 0.03 | 10.2 | <0.1 | 0.07 | 11 | 1.3 | <0.2 |
| EH-362 | Soil | 24 | 0.63 | 150 | 0.057 | 10 | 2.35 | 0.016 | 0.41 | <0.1 | 0.03 | 6.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-363 | Soil | 16 | 0.64 | 205 | 0.009 | 6 | 2.26 | 0.021 | 0.30 | <0.1 | 0.03 | 5.0 | <0.1 | 0.13 | 7 | 0.5 | <0.2 |
| EH-364 | Soil | 24 | 0.73 | 168 | 0.062 | 12 | 2.39 | 0.018 | 0.51 | <0.1 | 0.02 | 6.3 | <0.1 | 0.06 | 8 | 0.6 | <0.2 |
| EH-365 | Soil | 28 | 0.67 | 136 | 0.090 | 9 | 2.56 | 0.018 | 0.38 | <0.1 | 0.04 | 6.6 | <0.1 | 0.08 | 7 | 0.5 | <0.2 |
| EH-366 | Soil | 22 | 0.70 | 171 | 0.066 | 10 | 2.34 | 0.018 | 0.34 | <0.1 | 0.03 | 5.7 | <0.1 | 0.09 | 7 | 1.1 | <0.2 |
| EH-367 | Soil | 29 | 0.58 | 104 | 0.147 | 6 | 2.32 | 0.038 | 0.24 | <0.1 | 0.01 | 8.2 | <0.1 | 0.09 | 6 | <0.5 | <0.2 |
| EH-368 | Soil | 26 | 0.59 | 95 | 0.170 | 3 | 2.19 | 0.047 | 0.24 | <0.1 | 0.02 | 8.8 | <0.1 | 0.08 | 6 | <0.5 | <0.2 |
| EH-369 | Soil | 27 | 0.61 | 134 | 0.146 | 6 | 2.15 | 0.028 | 0.35 | <0.1 | 0.04 | 8.3 | <0.1 | 0.10 | 6 | <0.5 | <0.2 |
| EH-370 | Soil | 21 | 0.55 | 114 | 0.138 | <1 | 1.96 | 0.041 | 0.14 | <0.1 | 0.02 | 6.6 | <0.1 | 0.11 | 5 | 0.7 | <0.2 |
| EH-371 | Soil | 31 | 0.73 | 112 | 0.168 | 3 | 2.40 | 0.034 | 0.26 | <0.1 | 0.03 | 9.0 | <0.1 | 0.08 | 7 | 1.1 | <0.2 |
| EH-372 | Soil | 29 | 0.68 | 99 | 0.155 | 3 | 2.14 | 0.030 | 0.20 | <0.1 | 0.02 | 8.3 | <0.1 | 0.10 | 6 | <0.5 | <0.2 |
| EH-373 | Soil | 30 | 0.70 | 89 | 0.165 | 7 | 2.04 | 0.027 | 0.36 | <0.1 | 0.02 | 8.4 | <0.1 | 0.07 | 6 | 1.1 | <0.2 |
| EH-374 | Soil | 25 | 0.72 | 98 | 0.147 | 5 | 2.08 | 0.024 | 0.33 | <0.1 | 0.03 | 8.7 | <0.1 | 0.06 | 5 | 0.9 | <0.2 |
| EH-375 | Soil | 32 | 0.89 | 114 | 0.151 | 4 | 2.22 | 0.033 | 0.21 | <0.1 | 0.02 | 10.2 | <0.1 | 0.09 | 6 | 0.6 | <0.2 |
| EH-376 | Soil | 51 | 1.15 | 95 | 0.146 | 2 | 2.46 | 0.035 | 0.14 | <0.1 | 0.04 | 13.3 | <0.1 | 0.06 | 6 | 0.8 | <0.2 |
| EH-377 | Soil | 37 | 0.65 | 122 | 0.097 | <1 | 2.42 | 0.029 | 0.15 | <0.1 | 0.02 | 6.8 | <0.1 | 0.06 | 6 | 1.3 | <0.2 |
| EH-378 | Soil | 38 | 0.62 | 141 | 0.116 | 2 | 2.41 | 0.035 | 0.17 | <0.1 | 0.03 | 7.3 | <0.1 | 0.07 | 6 | <0.5 | <0.2 |
| EH-379 | Soil | 37 | 0.69 | 139 | 0.132 | 2 | 2.41 | 0.034 | 0.18 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-380 | Soil | 35 | 0.58 | 136 | 0.138 | 2 | 2.52 | 0.027 | 0.21 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 7 | 1.4 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 05, 2013

Page: 3 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|-----------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH-381 | Soil | | 0.4 | 19.8 | 3.8 | 53 | <0.1 | 19.8 | 7.8 | 332 | 2.20 | 1.4 | 4.9 | 1.4 | 75 | 0.2 | 0.1 | <0.1 | 52 | 0.60 | 0.037 | 7 |
| EH-382 | Soil | | 0.6 | 33.8 | 4.0 | 61 | <0.1 | 23.0 | 10.8 | 404 | 2.96 | 1.6 | 1.0 | 1.7 | 84 | 0.1 | 0.2 | <0.1 | 72 | 0.74 | 0.040 | 13 |
| EH-383 | Soil | | 0.8 | 39.5 | 6.7 | 80 | <0.1 | 27.5 | 14.4 | 1064 | 3.07 | 6.8 | 1.0 | 1.3 | 87 | 0.1 | 0.2 | <0.1 | 75 | 0.99 | 0.113 | 11 |
| EH-384 | Soil | | 0.6 | 48.1 | 5.8 | 69 | <0.1 | 32.9 | 14.9 | 658 | 3.37 | 6.0 | 0.8 | 1.7 | 115 | 0.2 | 0.3 | <0.1 | 86 | 0.95 | 0.087 | 13 |
| EH-385 | Soil | | 0.3 | 32.1 | 7.6 | 78 | <0.1 | 22.5 | 13.1 | 1113 | 2.22 | 2.2 | 0.6 | 2.0 | 75 | <0.1 | 0.2 | <0.1 | 46 | 0.74 | 0.033 | 12 |
| EH-386 | Soil | | 0.3 | 14.7 | 5.6 | 60 | <0.1 | 10.8 | 6.5 | 597 | 1.51 | 1.5 | <0.5 | 1.0 | 80 | <0.1 | 0.1 | <0.1 | 35 | 0.69 | 0.025 | 7 |
| EH-387 | Soil | | 0.2 | 45.1 | 3.4 | 55 | <0.1 | 12.2 | 9.2 | 403 | 2.19 | 1.1 | 3.1 | 2.3 | 191 | 0.1 | 0.1 | 0.1 | 44 | 0.75 | 0.033 | 16 |
| EH-388 | Soil | | 0.2 | 20.1 | 3.5 | 87 | <0.1 | 10.1 | 5.8 | 360 | 2.03 | 1.0 | 0.5 | 1.8 | 98 | 0.1 | <0.1 | <0.1 | 40 | 0.58 | 0.024 | 10 |
| EH-389 | Soil | | 0.3 | 20.0 | 4.5 | 47 | <0.1 | 14.2 | 8.3 | 537 | 2.05 | 0.6 | 1.0 | 2.1 | 87 | <0.1 | <0.1 | <0.1 | 56 | 0.46 | 0.012 | 13 |
| EH-390 | Soil | | 0.4 | 21.5 | 3.6 | 119 | <0.1 | 21.7 | 6.4 | 567 | 1.79 | 1.2 | 2.5 | 1.3 | 55 | <0.1 | <0.1 | <0.1 | 42 | 0.60 | 0.040 | 5 |
| EH-391 | Soil | | 0.6 | 29.3 | 3.7 | 92 | <0.1 | 29.7 | 16.1 | 832 | 3.16 | 2.2 | 0.6 | 1.7 | 127 | <0.1 | 0.1 | <0.1 | 83 | 0.94 | 0.077 | 13 |
| EH-392 | Soil | | 0.7 | 44.5 | 6.6 | 83 | <0.1 | 29.8 | 16.6 | 912 | 3.21 | 3.8 | <0.5 | 1.9 | 104 | 0.1 | 0.2 | 0.1 | 85 | 0.87 | 0.045 | 11 |
| EH-393 | Soil | | 0.5 | 25.0 | 4.9 | 68 | <0.1 | 20.0 | 9.2 | 633 | 2.27 | 1.9 | <0.5 | 1.7 | 155 | <0.1 | 0.2 | <0.1 | 58 | 0.62 | 0.032 | 13 |
| EH-394 | Soil | | 0.6 | 25.4 | 4.6 | 76 | <0.1 | 20.9 | 9.8 | 600 | 2.63 | 1.2 | 0.5 | 1.6 | 114 | 0.1 | 0.2 | <0.1 | 69 | 0.62 | 0.029 | 11 |
| EH-395 | Soil | | 0.5 | 26.7 | 4.5 | 88 | <0.1 | 19.7 | 10.2 | 651 | 2.84 | 1.9 | 1.1 | 1.9 | 110 | 0.2 | 0.2 | <0.1 | 66 | 0.64 | 0.036 | 13 |
| EH-396 | Soil | | 0.4 | 41.9 | 5.1 | 62 | <0.1 | 39.9 | 13.6 | 536 | 3.25 | 2.1 | 1.0 | 2.3 | 108 | 0.2 | 0.2 | <0.1 | 57 | 0.82 | 0.029 | 16 |
| EH-397 | Soil | | 0.6 | 22.0 | 4.1 | 73 | <0.1 | 20.8 | 9.7 | 517 | 2.29 | 1.9 | 1.1 | 1.3 | 63 | <0.1 | <0.1 | <0.1 | 46 | 0.58 | 0.027 | 6 |
| EH-398 | Soil | | 0.4 | 32.9 | 5.6 | 66 | <0.1 | 29.0 | 14.7 | 862 | 3.05 | 2.7 | <0.5 | 2.0 | 93 | 0.1 | 0.2 | <0.1 | 66 | 0.83 | 0.030 | 11 |
| EH-399 | Soil | | 0.6 | 39.7 | 5.4 | 57 | 0.1 | 31.6 | 13.0 | 525 | 3.31 | 4.2 | <0.5 | 2.2 | 130 | <0.1 | 0.2 | <0.1 | 70 | 0.93 | 0.045 | 15 |
| EH-400 | Soil | | 0.6 | 31.4 | 4.6 | 86 | <0.1 | 25.8 | 11.3 | 641 | 2.81 | 2.1 | <0.5 | 1.8 | 102 | 0.1 | 0.2 | <0.1 | 66 | 0.78 | 0.039 | 11 |
| S-P7E.13 | Rock Pulp | | 7.3 | 57.5 | 5.3 | 53 | 0.5 | 36.0 | 14.3 | 533 | 3.27 | 7.5 | 746.4 | 1.5 | 51 | 0.4 | 1.1 | 0.1 | 68 | 0.93 | 0.057 | 7 |
| EH-401 | Soil | | 0.3 | 34.3 | 4.1 | 89 | <0.1 | 34.0 | 12.3 | 645 | 2.99 | 1.7 | 1.3 | 1.8 | 149 | 0.1 | 0.1 | <0.1 | 64 | 1.23 | 0.048 | 13 |
| EH-402 | Soil | | 0.5 | 42.1 | 5.2 | 68 | <0.1 | 36.8 | 13.6 | 627 | 3.44 | 3.1 | 0.9 | 2.3 | 118 | 0.1 | 0.2 | <0.1 | 71 | 0.73 | 0.030 | 14 |
| EH-403 | Soil | | 0.6 | 65.1 | 6.1 | 93 | <0.1 | 39.3 | 18.5 | 825 | 3.31 | 2.3 | <0.5 | 2.2 | 174 | 0.2 | 0.2 | <0.1 | 85 | 1.14 | 0.034 | 14 |
| EH-404 | Soil | | 0.4 | 43.2 | 4.2 | 64 | <0.1 | 31.3 | 10.3 | 294 | 3.18 | 1.7 | 10.0 | 2.4 | 145 | 0.1 | 0.1 | <0.1 | 67 | 0.85 | 0.038 | 12 |
| EH-405 | Soil | | 0.8 | 23.6 | 3.9 | 122 | <0.1 | 20.6 | 8.2 | 576 | 2.17 | 1.9 | 0.9 | 1.1 | 76 | 0.2 | <0.1 | 0.3 | 46 | 0.60 | 0.040 | 5 |
| EH-406 | Soil | | 0.3 | 40.8 | 5.4 | 76 | <0.1 | 34.9 | 14.4 | 674 | 3.13 | 0.9 | <0.5 | 1.5 | 160 | 0.1 | 0.1 | 0.1 | 80 | 0.92 | 0.044 | 12 |
| EH-407 | Soil | | 0.1 | 39.9 | 4.9 | 61 | <0.1 | 30.4 | 11.5 | 431 | 3.23 | 1.7 | <0.5 | 1.5 | 168 | 0.1 | <0.1 | <0.1 | 87 | 0.85 | 0.036 | 12 |
| EH-408 | Soil | | 0.2 | 40.6 | 5.1 | 60 | <0.1 | 36.0 | 13.1 | 452 | 3.25 | 1.7 | <0.5 | 1.8 | 137 | 0.2 | 0.1 | <0.1 | 76 | 0.84 | 0.033 | 13 |
| EH-409 | Soil | | 0.3 | 38.5 | 4.9 | 60 | <0.1 | 32.1 | 13.3 | 463 | 3.20 | 1.4 | 1.3 | 1.9 | 109 | 0.1 | 0.2 | <0.1 | 69 | 0.82 | 0.035 | 18 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 05, 2013

Page: 3 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH-381 | Soil | 24 | 0.41 | 117 | 0.117 | 2 | 1.75 | 0.023 | 0.22 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-382 | Soil | 30 | 0.65 | 140 | 0.129 | 3 | 2.61 | 0.025 | 0.21 | <0.1 | 0.02 | 7.9 | <0.1 | 0.06 | 7 | <0.5 | <0.2 |
| EH-383 | Soil | 31 | 0.84 | 150 | 0.105 | 1 | 3.63 | 0.026 | 0.14 | <0.1 | 0.04 | 7.2 | <0.1 | 0.05 | 9 | 0.8 | <0.2 |
| EH-384 | Soil | 46 | 0.79 | 153 | 0.138 | 1 | 3.40 | 0.023 | 0.15 | <0.1 | 0.04 | 9.8 | <0.1 | 0.06 | 9 | 1.1 | <0.2 |
| EH-385 | Soil | 20 | 0.60 | 132 | 0.084 | 4 | 1.96 | 0.019 | 0.24 | <0.1 | 0.03 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-386 | Soil | 14 | 0.30 | 106 | 0.085 | 3 | 1.24 | 0.023 | 0.17 | <0.1 | 0.04 | 3.6 | <0.1 | <0.05 | 3 | 0.8 | <0.2 |
| EH-387 | Soil | 12 | 0.47 | 203 | 0.079 | 4 | 1.58 | 0.021 | 0.31 | <0.1 | 0.03 | 6.1 | <0.1 | 0.06 | 4 | <0.5 | <0.2 |
| EH-388 | Soil | 14 | 0.38 | 120 | 0.114 | 5 | 1.53 | 0.027 | 0.21 | <0.1 | 0.02 | 5.5 | <0.1 | 0.07 | 4 | 0.9 | <0.2 |
| EH-389 | Soil | 21 | 0.32 | 108 | 0.140 | 3 | 1.19 | 0.030 | 0.21 | <0.1 | 0.01 | 4.7 | <0.1 | 0.06 | 4 | <0.5 | <0.2 |
| EH-390 | Soil | 19 | 0.30 | 127 | 0.108 | 5 | 1.58 | 0.021 | 0.26 | <0.1 | 0.03 | 4.5 | <0.1 | 0.07 | 4 | 1.1 | <0.2 |
| EH-391 | Soil | 27 | 0.67 | 192 | 0.074 | 6 | 2.52 | 0.020 | 0.29 | <0.1 | 0.04 | 9.4 | <0.1 | 0.07 | 7 | 0.6 | <0.2 |
| EH-392 | Soil | 35 | 0.61 | 162 | 0.127 | 1 | 3.70 | 0.023 | 0.17 | <0.1 | 0.03 | 9.0 | <0.1 | 0.06 | 9 | <0.5 | <0.2 |
| EH-393 | Soil | 25 | 0.42 | 183 | 0.108 | 3 | 1.93 | 0.025 | 0.20 | <0.1 | 0.04 | 6.0 | <0.1 | 0.05 | 5 | <0.5 | <0.2 |
| EH-394 | Soil | 30 | 0.47 | 160 | 0.136 | 3 | 2.19 | 0.028 | 0.16 | <0.1 | 0.02 | 6.2 | <0.1 | 0.07 | 6 | <0.5 | <0.2 |
| EH-395 | Soil | 31 | 0.50 | 154 | 0.130 | 5 | 2.33 | 0.033 | 0.36 | <0.1 | 0.03 | 7.3 | <0.1 | 0.09 | 6 | 0.6 | <0.2 |
| EH-396 | Soil | 43 | 0.83 | 138 | 0.116 | 9 | 2.82 | 0.032 | 0.22 | <0.1 | 0.01 | 9.4 | <0.1 | 0.07 | 8 | <0.5 | <0.2 |
| EH-397 | Soil | 27 | 0.54 | 116 | 0.105 | 4 | 2.32 | 0.028 | 0.11 | <0.1 | 0.02 | 6.2 | <0.1 | 0.08 | 6 | <0.5 | <0.2 |
| EH-398 | Soil | 34 | 0.72 | 172 | 0.131 | 7 | 2.94 | 0.029 | 0.22 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH-399 | Soil | 42 | 0.82 | 151 | 0.146 | 7 | 3.01 | 0.033 | 0.18 | <0.1 | 0.03 | 9.9 | <0.1 | 0.05 | 8 | <0.5 | <0.2 |
| EH-400 | Soil | 36 | 0.65 | 141 | 0.159 | 5 | 2.77 | 0.034 | 0.16 | <0.1 | 0.02 | 7.3 | <0.1 | 0.08 | 7 | <0.5 | <0.2 |
| S-P7E.13 | Rock Pulp | 40 | 0.81 | 155 | 0.154 | 3 | 1.69 | 0.132 | 0.15 | 29.7 | 0.06 | 6.2 | <0.1 | 0.13 | 6 | 0.8 | <0.2 |
| EH-401 | Soil | 46 | 0.76 | 185 | 0.164 | 6 | 2.85 | 0.035 | 0.17 | <0.1 | 0.02 | 9.0 | <0.1 | 0.06 | 8 | 0.5 | <0.2 |
| EH-402 | Soil | 41 | 0.76 | 136 | 0.167 | 5 | 2.94 | 0.030 | 0.28 | <0.1 | 0.02 | 9.7 | <0.1 | 0.06 | 8 | <0.5 | <0.2 |
| EH-403 | Soil | 33 | 0.93 | 148 | 0.197 | 4 | 3.14 | 0.040 | 0.26 | <0.1 | 0.03 | 10.0 | <0.1 | 0.06 | 9 | 1.0 | <0.2 |
| EH-404 | Soil | 33 | 0.67 | 134 | 0.168 | 8 | 2.87 | 0.033 | 0.24 | <0.1 | 0.03 | 9.6 | <0.1 | 0.07 | 8 | 0.8 | <0.2 |
| EH-405 | Soil | 24 | 0.44 | 156 | 0.136 | 4 | 2.30 | 0.027 | 0.20 | <0.1 | 0.02 | 5.6 | <0.1 | 0.07 | 6 | <0.5 | <0.2 |
| EH-406 | Soil | 39 | 0.75 | 121 | 0.200 | 7 | 2.92 | 0.066 | 0.29 | <0.1 | 0.01 | 9.1 | <0.1 | 0.08 | 7 | <0.5 | <0.2 |
| EH-407 | Soil | 44 | 0.84 | 131 | 0.229 | 5 | 2.79 | 0.061 | 0.27 | <0.1 | 0.02 | 9.1 | <0.1 | 0.05 | 7 | 0.6 | <0.2 |
| EH-408 | Soil | 50 | 0.77 | 132 | 0.190 | 6 | 2.91 | 0.044 | 0.36 | <0.1 | 0.01 | 9.2 | <0.1 | 0.06 | 8 | <0.5 | <0.2 |
| EH-409 | Soil | 36 | 0.75 | 111 | 0.189 | 6 | 2.86 | 0.042 | 0.24 | <0.1 | 0.02 | 9.6 | <0.1 | 0.07 | 8 | 0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 05, 2013

Page: 4 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm | |
| | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH-410 | Soil | | 0.4 | 30.1 | 4.5 | 83 | <0.1 | 24.0 | 11.1 | 681 | 2.92 | 1.2 | <0.5 | 1.6 | 92 | <0.1 | <0.1 | <0.1 | 63 | 0.70 | 0.026 | 10 |
| EH-411 | Soil | | 0.3 | 40.0 | 4.9 | 65 | <0.1 | 34.8 | 14.4 | 592 | 3.45 | 1.5 | 0.9 | 1.8 | 120 | 0.2 | 0.1 | <0.1 | 73 | 0.86 | 0.027 | 12 |
| EH-412 | Soil | | 0.3 | 46.2 | 4.2 | 57 | <0.1 | 39.1 | 14.7 | 468 | 3.70 | 1.8 | 1.8 | 2.0 | 110 | <0.1 | <0.1 | 0.2 | 86 | 0.92 | 0.028 | 16 |
| EH-413 | Soil | | 0.3 | 58.4 | 3.7 | 50 | <0.1 | 39.2 | 15.0 | 444 | 3.63 | 1.9 | <0.5 | 2.2 | 122 | <0.1 | 0.1 | <0.1 | 97 | 1.12 | 0.033 | 11 |
| EH-414 | Soil | | 0.4 | 41.7 | 4.3 | 62 | <0.1 | 28.4 | 13.5 | 542 | 3.50 | 1.4 | <0.5 | 2.0 | 108 | 0.1 | 0.1 | <0.1 | 89 | 0.90 | 0.028 | 13 |
| EH-415 | Soil | | 0.5 | 33.5 | 5.7 | 80 | <0.1 | 20.8 | 11.9 | 830 | 2.96 | 2.5 | <0.5 | 1.9 | 115 | 0.1 | 0.2 | <0.1 | 74 | 0.94 | 0.039 | 15 |
| EH-416 | Soil | | 0.5 | 24.8 | 5.4 | 62 | <0.1 | 22.1 | 9.0 | 414 | 2.48 | 2.5 | 0.8 | 1.7 | 82 | <0.1 | 0.2 | <0.1 | 57 | 0.63 | 0.032 | 9 |
| EH-417 | Soil | | 0.6 | 29.3 | 5.4 | 85 | <0.1 | 21.4 | 9.7 | 731 | 2.74 | 2.8 | 1.2 | 1.8 | 94 | <0.1 | 0.2 | <0.1 | 58 | 0.72 | 0.047 | 12 |
| EH-418 | Soil | | 0.6 | 29.7 | 4.6 | 105 | <0.1 | 25.0 | 12.4 | 1086 | 2.84 | 3.1 | <0.5 | 1.6 | 100 | 0.2 | 0.2 | <0.1 | 63 | 0.92 | 0.055 | 10 |
| EH-419 | Soil | | 0.7 | 21.6 | 4.2 | 86 | <0.1 | 18.8 | 8.3 | 606 | 2.46 | 2.4 | 0.6 | 1.4 | 81 | 0.2 | <0.1 | <0.1 | 57 | 0.59 | 0.022 | 7 |
| EH-420 | Soil | | 0.5 | 33.0 | 4.3 | 79 | <0.1 | 23.0 | 10.4 | 516 | 2.62 | 2.3 | 0.5 | 1.4 | 84 | 0.2 | 0.1 | <0.1 | 62 | 0.64 | 0.030 | 9 |
| EH-421 | Soil | | 0.4 | 34.2 | 4.3 | 71 | <0.1 | 22.1 | 8.7 | 366 | 2.69 | 1.9 | <0.5 | 1.5 | 84 | 0.1 | 0.1 | <0.1 | 60 | 0.58 | 0.025 | 8 |
| EH-422 | Soil | | 0.5 | 24.5 | 5.1 | 59 | <0.1 | 20.0 | 8.5 | 484 | 2.21 | 2.3 | 2.9 | 1.5 | 65 | <0.1 | 0.2 | <0.1 | 47 | 0.52 | 0.027 | 6 |
| EH-423 | Soil | | 0.6 | 29.1 | 5.3 | 77 | <0.1 | 21.3 | 10.3 | 636 | 2.71 | 2.0 | 1.7 | 2.0 | 153 | 0.1 | 0.2 | 0.1 | 61 | 0.88 | 0.058 | 13 |
| EH-424 | Soil | | 0.6 | 30.6 | 4.8 | 126 | <0.1 | 23.1 | 10.5 | 748 | 2.70 | 1.2 | 1.0 | 1.6 | 82 | <0.1 | 0.1 | <0.1 | 61 | 0.59 | 0.036 | 9 |
| EH-425 | Soil | | 0.4 | 35.8 | 4.8 | 66 | <0.1 | 24.6 | 11.3 | 464 | 3.07 | 1.8 | 2.1 | 2.0 | 165 | <0.1 | 0.2 | <0.1 | 63 | 0.98 | 0.039 | 15 |
| EH-426 | Soil | | 0.6 | 22.0 | 3.9 | 80 | <0.1 | 18.8 | 9.4 | 689 | 2.59 | 3.0 | 1.1 | 1.9 | 75 | <0.1 | 0.1 | <0.1 | 57 | 0.76 | 0.026 | 14 |
| EH-427 | Soil | | 0.2 | 33.6 | 4.5 | 50 | <0.1 | 34.7 | 12.1 | 520 | 3.50 | 1.1 | <0.5 | 2.9 | 101 | 0.1 | <0.1 | <0.1 | 70 | 0.77 | 0.034 | 15 |
| EH-428 | Soil | | 0.3 | 32.1 | 4.2 | 81 | <0.1 | 24.8 | 10.5 | 692 | 2.68 | 1.8 | 1.7 | 1.8 | 71 | 0.1 | <0.1 | <0.1 | 55 | 0.69 | 0.035 | 8 |
| EH-429 | Soil | | 0.6 | 32.0 | 5.1 | 92 | 0.1 | 25.7 | 11.4 | 885 | 2.58 | 2.3 | <0.5 | 1.5 | 75 | 0.1 | 0.1 | <0.1 | 56 | 0.69 | 0.040 | 7 |
| EH-430 | Soil | | 0.4 | 43.9 | 4.9 | 60 | <0.1 | 34.5 | 11.6 | 401 | 3.27 | 2.4 | <0.5 | 2.6 | 89 | 0.2 | 0.2 | <0.1 | 75 | 0.78 | 0.032 | 17 |
| EH-431 | Soil | | 0.5 | 32.2 | 4.3 | 67 | <0.1 | 29.3 | 11.3 | 461 | 3.34 | 1.7 | <0.5 | 2.4 | 92 | 0.1 | 0.1 | <0.1 | 71 | 0.83 | 0.041 | 13 |
| EH-432 | Soil | | 0.7 | 29.0 | 3.8 | 97 | <0.1 | 25.6 | 9.9 | 718 | 2.65 | 2.2 | <0.5 | 1.8 | 84 | 0.2 | 0.1 | <0.1 | 60 | 0.82 | 0.041 | 9 |
| EH-433 | Soil | | 0.6 | 34.1 | 4.9 | 71 | <0.1 | 32.2 | 14.3 | 914 | 3.25 | 2.3 | 1.3 | 2.2 | 95 | 0.2 | 0.2 | <0.1 | 65 | 0.81 | 0.039 | 13 |
| EH-434 | Soil | | 0.5 | 27.2 | 4.4 | 115 | <0.1 | 24.8 | 10.2 | 976 | 2.74 | 1.7 | <0.5 | 1.5 | 91 | 0.1 | 0.1 | <0.1 | 58 | 0.79 | 0.039 | 9 |
| EH-435 | Soil | | 0.3 | 47.9 | 4.5 | 59 | <0.1 | 37.1 | 13.3 | 450 | 3.64 | 0.8 | <0.5 | 2.5 | 118 | 0.1 | 0.1 | <0.1 | 80 | 0.80 | 0.031 | 14 |
| EH-436 | Soil | | 0.2 | 44.4 | 3.6 | 70 | <0.1 | 29.4 | 10.5 | 411 | 3.32 | 0.9 | <0.5 | 2.4 | 137 | 0.1 | <0.1 | <0.1 | 57 | 0.77 | 0.029 | 13 |
| EH-437 | Soil | | 0.3 | 30.1 | 4.7 | 84 | <0.1 | 23.7 | 10.3 | 527 | 3.09 | 1.4 | <0.5 | 1.8 | 100 | <0.1 | 0.1 | <0.1 | 63 | 0.70 | 0.027 | 11 |
| EH-438 | Soil | | 0.4 | 30.9 | 4.6 | 95 | <0.1 | 24.0 | 9.3 | 473 | 3.05 | 1.3 | <0.5 | 1.8 | 93 | 0.1 | 0.2 | <0.1 | 62 | 0.69 | 0.026 | 10 |
| EH-439 | Soil | | 0.2 | 36.1 | 4.1 | 66 | <0.1 | 23.0 | 10.8 | 489 | 3.50 | 1.8 | <0.5 | 2.0 | 131 | <0.1 | 0.1 | <0.1 | 71 | 0.83 | 0.045 | 9 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 4 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH-410 | Soil | 29 | 0.52 | 121 | 0.182 | 4 | 2.43 | 0.040 | 0.17 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-411 | Soil | 39 | 0.72 | 115 | 0.203 | 4 | 2.83 | 0.041 | 0.19 | <0.1 | 0.01 | 10.5 | <0.1 | <0.05 | 8 | 1.0 | <0.2 |
| EH-412 | Soil | 37 | 0.97 | 96 | 0.255 | 4 | 2.94 | 0.069 | 0.15 | <0.1 | 0.01 | 12.7 | <0.1 | 0.06 | 8 | 1.1 | <0.2 |
| EH-413 | Soil | 30 | 1.22 | 77 | 0.305 | 3 | 2.61 | 0.062 | 0.14 | <0.1 | 0.01 | 13.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH-414 | Soil | 26 | 0.87 | 77 | 0.300 | 4 | 2.42 | 0.050 | 0.22 | <0.1 | 0.01 | 10.8 | <0.1 | <0.05 | 7 | 0.8 | <0.2 |
| EH-415 | Soil | 24 | 0.68 | 112 | 0.191 | 6 | 2.50 | 0.028 | 0.27 | <0.1 | 0.04 | 7.5 | <0.1 | 0.06 | 7 | 0.6 | <0.2 |
| EH-416 | Soil | 29 | 0.56 | 168 | 0.122 | 5 | 2.52 | 0.025 | 0.12 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH-417 | Soil | 30 | 0.55 | 180 | 0.123 | 5 | 2.69 | 0.024 | 0.21 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| EH-418 | Soil | 27 | 0.68 | 165 | 0.129 | 13 | 3.12 | 0.025 | 0.28 | <0.1 | 0.02 | 6.9 | <0.1 | 0.06 | 8 | 1.3 | <0.2 |
| EH-419 | Soil | 26 | 0.52 | 157 | 0.125 | 4 | 2.48 | 0.029 | 0.12 | <0.1 | 0.01 | 6.6 | <0.1 | 0.06 | 6 | <0.5 | <0.2 |
| EH-420 | Soil | 30 | 0.62 | 139 | 0.127 | 6 | 2.57 | 0.030 | 0.16 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-421 | Soil | 29 | 0.60 | 131 | 0.118 | 7 | 2.43 | 0.027 | 0.21 | <0.1 | 0.01 | 7.3 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH-422 | Soil | 23 | 0.48 | 151 | 0.111 | 5 | 2.29 | 0.030 | 0.12 | <0.1 | 0.03 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-423 | Soil | 28 | 0.56 | 187 | 0.104 | 10 | 2.40 | 0.027 | 0.28 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-424 | Soil | 29 | 0.60 | 162 | 0.122 | 6 | 2.55 | 0.025 | 0.28 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-425 | Soil | 29 | 0.74 | 181 | 0.069 | 7 | 2.60 | 0.030 | 0.13 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-426 | Soil | 24 | 0.42 | 125 | 0.035 | 6 | 2.19 | 0.016 | 0.21 | <0.1 | 0.01 | 8.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-427 | Soil | 55 | 0.83 | 122 | 0.110 | 5 | 2.42 | 0.032 | 0.30 | <0.1 | 0.03 | 11.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-428 | Soil | 33 | 0.71 | 132 | 0.111 | 7 | 2.53 | 0.025 | 0.25 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-429 | Soil | 29 | 0.65 | 172 | 0.116 | 5 | 2.59 | 0.027 | 0.21 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-430 | Soil | 35 | 0.87 | 109 | 0.135 | 6 | 2.59 | 0.034 | 0.20 | <0.1 | 0.03 | 9.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-431 | Soil | 35 | 0.90 | 115 | 0.160 | 5 | 2.94 | 0.033 | 0.16 | <0.1 | 0.02 | 9.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-432 | Soil | 29 | 0.68 | 129 | 0.126 | 4 | 2.56 | 0.028 | 0.14 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-433 | Soil | 35 | 0.67 | 165 | 0.140 | 7 | 2.96 | 0.025 | 0.25 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-434 | Soil | 30 | 0.65 | 146 | 0.132 | 9 | 2.83 | 0.028 | 0.21 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-435 | Soil | 30 | 1.01 | 105 | 0.173 | 4 | 2.91 | 0.051 | 0.12 | <0.1 | 0.03 | 10.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-436 | Soil | 31 | 0.74 | 111 | 0.164 | 7 | 2.46 | 0.042 | 0.21 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-437 | Soil | 29 | 0.58 | 115 | 0.171 | 7 | 2.46 | 0.037 | 0.28 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-438 | Soil | 29 | 0.58 | 125 | 0.162 | 5 | 2.68 | 0.032 | 0.26 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-439 | Soil | 26 | 0.90 | 121 | 0.175 | 11 | 2.84 | 0.037 | 0.34 | <0.1 | 0.02 | 10.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 5 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH-440 | Soil | 0.4 | 39.7 | 3.3 | 64 | <0.1 | 33.7 | 16.5 | 773 | 3.26 | 4.3 | <0.5 | 1.9 | 97 | <0.1 | <0.1 | <0.1 | 73 | 3.01 | 0.099 | 15 |
| EH-441 | Soil | 0.2 | 35.9 | 4.6 | 67 | <0.1 | 27.0 | 12.7 | 549 | 3.36 | 1.6 | <0.5 | 1.8 | 96 | <0.1 | <0.1 | <0.1 | 74 | 0.79 | 0.035 | 14 |
| EH-442 | Soil | 0.4 | 21.5 | 4.4 | 79 | <0.1 | 20.1 | 9.2 | 664 | 2.38 | 1.2 | 1.8 | 1.2 | 87 | <0.1 | <0.1 | <0.1 | 53 | 0.67 | 0.028 | 7 |
| EH-443 | Soil | <0.1 | 62.7 | 5.7 | 51 | <0.1 | 36.3 | 16.0 | 481 | 3.49 | 0.9 | 0.8 | 2.0 | 226 | <0.1 | <0.1 | <0.1 | 84 | 1.78 | 0.036 | 10 |
| EH-444 | Soil | 0.2 | 41.4 | 4.2 | 55 | <0.1 | 37.1 | 15.1 | 499 | 3.68 | 1.2 | <0.5 | 2.1 | 88 | 0.1 | 0.1 | <0.1 | 87 | 0.98 | 0.024 | 11 |
| EH-445 | Soil | 0.3 | 49.8 | 4.4 | 57 | <0.1 | 39.3 | 18.0 | 667 | 3.90 | 0.7 | 1.1 | 1.7 | 76 | <0.1 | <0.1 | <0.1 | 95 | 1.11 | 0.063 | 10 |
| EH-446 | Soil | 0.4 | 40.6 | 4.6 | 62 | <0.1 | 28.7 | 14.2 | 578 | 3.79 | 0.7 | 1.1 | 2.0 | 88 | 0.1 | <0.1 | <0.1 | 84 | 0.96 | 0.034 | 16 |
| EH-447 | Soil | 0.2 | 34.3 | 5.4 | 62 | <0.1 | 18.3 | 9.2 | 433 | 3.48 | 2.0 | 2.6 | 1.9 | 105 | 0.1 | 0.2 | <0.1 | 81 | 0.78 | 0.041 | 19 |
| EH-448 | Soil | 0.5 | 23.2 | 5.0 | 101 | <0.1 | 21.0 | 10.0 | 590 | 2.72 | 1.9 | 0.9 | 1.6 | 129 | 0.1 | 0.1 | <0.1 | 57 | 1.06 | 0.110 | 11 |
| EH-449 | Soil | 0.6 | 35.9 | 5.1 | 66 | <0.1 | 27.1 | 11.4 | 539 | 3.35 | 2.6 | 1.3 | 2.1 | 95 | 0.1 | 0.2 | <0.1 | 68 | 0.83 | 0.038 | 13 |
| EH-450 | Soil | 0.3 | 26.9 | 4.3 | 88 | <0.1 | 21.0 | 9.6 | 745 | 2.47 | 1.4 | 1.1 | 1.4 | 81 | <0.1 | 0.1 | <0.1 | 49 | 0.82 | 0.041 | 10 |
| S-PMS-84 | Rock Pulp | 16.4 | 61.2 | 17.8 | 18 | 0.2 | 16.6 | 2.5 | 111 | 4.12 | 455.4 | 218.8 | 0.8 | 29 | 0.4 | 28.2 | 0.1 | 10 | 0.98 | 0.006 | 2 |
| EH-451 | Soil | 0.6 | 27.1 | 4.7 | 104 | <0.1 | 20.0 | 9.5 | 787 | 2.40 | 1.7 | <0.5 | 1.3 | 73 | 0.1 | <0.1 | <0.1 | 50 | 0.63 | 0.043 | 6 |
| EH-452 | Soil | 0.5 | 37.6 | 4.7 | 76 | <0.1 | 23.5 | 10.1 | 537 | 2.79 | 2.0 | <0.5 | 1.6 | 87 | <0.1 | 0.1 | <0.1 | 63 | 0.61 | 0.032 | 11 |
| EH-453 | Soil | 0.6 | 26.0 | 4.4 | 56 | <0.1 | 18.0 | 9.2 | 464 | 2.32 | 1.0 | <0.5 | 1.4 | 65 | <0.1 | 0.1 | <0.1 | 50 | 0.52 | 0.020 | 7 |
| EH-454 | Soil | 0.9 | 28.4 | 5.2 | 97 | <0.1 | 21.1 | 11.1 | 1074 | 2.48 | 1.1 | <0.5 | 1.6 | 96 | 0.2 | 0.1 | <0.1 | 52 | 0.78 | 0.031 | 10 |
| EH-455 | Soil | 0.4 | 22.8 | 4.7 | 61 | <0.1 | 19.9 | 9.7 | 583 | 2.38 | 0.7 | <0.5 | 1.6 | 71 | <0.1 | <0.1 | <0.1 | 43 | 0.58 | 0.020 | 9 |
| EH-456 | Soil | 0.3 | 29.6 | 4.4 | 95 | <0.1 | 24.2 | 11.5 | 754 | 2.67 | 0.8 | <0.5 | 1.9 | 78 | 0.1 | <0.1 | <0.1 | 49 | 0.70 | 0.032 | 10 |
| EH-457 | Soil | 0.4 | 26.3 | 4.7 | 74 | <0.1 | 18.2 | 9.8 | 766 | 2.30 | 0.6 | 1.9 | 1.5 | 76 | 0.1 | <0.1 | 0.1 | 50 | 0.56 | 0.024 | 7 |
| EH-458 | Soil | 0.3 | 38.3 | 5.0 | 67 | <0.1 | 28.3 | 12.5 | 710 | 3.21 | 1.1 | 1.6 | 1.9 | 106 | 0.1 | 0.1 | <0.1 | 64 | 0.71 | 0.028 | 14 |
| EH-459 | Soil | 0.5 | 22.9 | 4.3 | 53 | <0.1 | 18.9 | 9.2 | 598 | 2.26 | 1.0 | 1.5 | 1.6 | 91 | 0.1 | 0.1 | <0.1 | 47 | 0.65 | 0.028 | 9 |
| EH-460 | Soil | 0.3 | 33.2 | 4.0 | 95 | <0.1 | 16.5 | 9.7 | 675 | 2.58 | 0.5 | <0.5 | 1.5 | 86 | 0.1 | <0.1 | <0.1 | 60 | 0.61 | 0.032 | 11 |
| EH-461 | Soil | 0.3 | 28.4 | 4.1 | 62 | <0.1 | 14.8 | 9.6 | 508 | 2.23 | <0.5 | 0.9 | 1.1 | 58 | <0.1 | <0.1 | <0.1 | 52 | 0.54 | 0.023 | 5 |
| EH-462 | Soil | 0.5 | 27.4 | 4.6 | 72 | <0.1 | 22.1 | 9.9 | 413 | 2.49 | 0.9 | <0.5 | 1.7 | 90 | <0.1 | 0.1 | <0.1 | 59 | 0.55 | 0.029 | 10 |
| EH-463 | Soil | 0.3 | 31.0 | 4.6 | 65 | <0.1 | 24.6 | 9.8 | 480 | 2.45 | 1.0 | 1.1 | 1.9 | 85 | 0.1 | 0.1 | <0.1 | 49 | 0.61 | 0.034 | 11 |
| EH-464 | Soil | 0.4 | 32.1 | 4.9 | 60 | <0.1 | 26.9 | 11.9 | 518 | 2.81 | 0.7 | 0.7 | 2.1 | 92 | <0.1 | <0.1 | <0.1 | 51 | 0.71 | 0.036 | 13 |
| EH-465 | Soil | 0.3 | 38.3 | 4.9 | 59 | <0.1 | 34.4 | 13.5 | 547 | 3.22 | 0.8 | <0.5 | 2.3 | 92 | 0.1 | <0.1 | <0.1 | 58 | 0.65 | 0.029 | 15 |
| EH-466 | Soil | 0.2 | 44.9 | 4.2 | 46 | <0.1 | 38.1 | 12.5 | 340 | 3.13 | <0.5 | 2.0 | 2.4 | 99 | <0.1 | <0.1 | <0.1 | 48 | 0.75 | 0.034 | 15 |
| EH-467 | Soil | 0.3 | 28.2 | 4.6 | 71 | <0.1 | 23.1 | 10.4 | 722 | 2.55 | <0.5 | 1.6 | 1.8 | 109 | <0.1 | 0.1 | <0.1 | 53 | 0.64 | 0.020 | 11 |
| EH-468 | Soil | 0.3 | 29.5 | 4.1 | 58 | <0.1 | 22.7 | 8.5 | 373 | 2.64 | 0.8 | 1.2 | 2.0 | 111 | <0.1 | 0.1 | <0.1 | 58 | 0.65 | 0.017 | 11 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 05, 2013

Page: 5 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH-440 | Soil | 29 | 0.80 | 88 | 0.041 | 9 | 2.14 | 0.023 | 0.16 | <0.1 | 0.01 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-441 | Soil | 31 | 0.75 | 99 | 0.160 | 7 | 2.49 | 0.044 | 0.34 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-442 | Soil | 29 | 0.54 | 104 | 0.146 | 7 | 2.00 | 0.034 | 0.29 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-443 | Soil | 28 | 1.37 | 115 | 0.343 | 3 | 3.24 | 0.042 | 0.29 | <0.1 | <0.01 | 11.9 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH-444 | Soil | 25 | 1.08 | 70 | 0.297 | 4 | 2.49 | 0.069 | 0.14 | <0.1 | 0.01 | 11.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-445 | Soil | 26 | 1.60 | 38 | 0.370 | 3 | 2.04 | 0.062 | 0.12 | <0.1 | <0.01 | 10.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-446 | Soil | 23 | 1.01 | 66 | 0.317 | 4 | 2.33 | 0.046 | 0.23 | <0.1 | <0.01 | 10.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-447 | Soil | 20 | 0.70 | 90 | 0.247 | 5 | 2.34 | 0.038 | 0.25 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-448 | Soil | 22 | 0.61 | 132 | 0.171 | 7 | 2.83 | 0.029 | 0.23 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-449 | Soil | 35 | 0.68 | 147 | 0.143 | 7 | 3.16 | 0.030 | 0.17 | <0.1 | 0.01 | 8.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH-450 | Soil | 21 | 0.53 | 151 | 0.099 | 6 | 2.73 | 0.027 | 0.24 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| S-PMS-84 | Rock Pulp | 23 | 0.03 | 1136 | 0.010 | 2 | 0.18 | 0.007 | 0.06 | 2.9 | 3.03 | 0.6 | 10.4 | 0.07 | <1 | 1.7 | <0.2 |
| EH-451 | Soil | 24 | 0.59 | 143 | 0.111 | 4 | 2.61 | 0.027 | 0.16 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-452 | Soil | 30 | 0.62 | 142 | 0.129 | 5 | 2.80 | 0.033 | 0.16 | <0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-453 | Soil | 25 | 0.53 | 106 | 0.127 | 8 | 1.93 | 0.037 | 0.21 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-454 | Soil | 25 | 0.54 | 152 | 0.118 | 8 | 2.13 | 0.030 | 0.32 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-455 | Soil | 25 | 0.52 | 122 | 0.114 | 6 | 2.33 | 0.033 | 0.21 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-456 | Soil | 26 | 0.65 | 116 | 0.112 | 9 | 2.35 | 0.037 | 0.27 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-457 | Soil | 23 | 0.53 | 137 | 0.124 | 11 | 2.02 | 0.029 | 0.28 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-458 | Soil | 33 | 0.77 | 131 | 0.128 | 6 | 2.30 | 0.028 | 0.37 | <0.1 | 0.03 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-459 | Soil | 24 | 0.52 | 128 | 0.115 | 8 | 1.81 | 0.025 | 0.36 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-460 | Soil | 19 | 0.57 | 121 | 0.145 | 9 | 1.95 | 0.025 | 0.36 | <0.1 | 0.02 | 7.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-461 | Soil | 18 | 0.54 | 91 | 0.139 | 12 | 1.63 | 0.026 | 0.39 | <0.1 | 0.01 | 5.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH-462 | Soil | 28 | 0.57 | 129 | 0.137 | 4 | 1.97 | 0.035 | 0.22 | <0.1 | 0.01 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-463 | Soil | 27 | 0.60 | 140 | 0.118 | 8 | 2.05 | 0.025 | 0.40 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-464 | Soil | 32 | 0.72 | 141 | 0.121 | 6 | 2.32 | 0.028 | 0.33 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-465 | Soil | 36 | 0.90 | 145 | 0.136 | 5 | 2.46 | 0.033 | 0.28 | <0.1 | 0.03 | 9.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-466 | Soil | 33 | 1.09 | 163 | 0.089 | 3 | 2.05 | 0.027 | 0.15 | <0.1 | 0.03 | 10.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-467 | Soil | 29 | 0.58 | 148 | 0.119 | 4 | 2.14 | 0.031 | 0.35 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-468 | Soil | 28 | 0.61 | 114 | 0.145 | 5 | 2.18 | 0.038 | 0.27 | <0.1 | 0.01 | 7.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 6 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH-469 | Soil | 0.4 | 40.1 | 3.6 | 63 | <0.1 | 33.3 | 13.3 | 558 | 3.07 | <0.5 | 1.4 | 2.3 | 89 | 0.2 | <0.1 | <0.1 | 63 | 0.81 | 0.025 | 11 |
| EH-470 | Soil | 0.3 | 21.2 | 3.5 | 101 | <0.1 | 15.1 | 6.5 | 590 | 1.85 | 0.8 | <0.5 | 0.9 | 47 | <0.1 | <0.1 | <0.1 | 36 | 0.57 | 0.037 | 4 |
| EH-471 | Soil | 0.5 | 30.8 | 4.4 | 66 | <0.1 | 24.8 | 11.6 | 491 | 2.67 | 1.2 | <0.5 | 1.7 | 83 | 0.1 | 0.1 | <0.1 | 51 | 0.93 | 0.059 | 10 |
| EH-472 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-473 | Soil | 0.7 | 38.6 | 5.9 | 60 | <0.1 | 30.4 | 14.7 | 757 | 2.97 | 2.2 | 1.0 | 1.7 | 111 | 0.2 | 0.3 | <0.1 | 80 | 0.71 | 0.026 | 11 |
| EH-474 | Soil | 0.2 | 33.4 | 5.8 | 70 | 0.2 | 17.9 | 7.8 | 674 | 2.22 | 1.0 | 1.0 | 2.0 | 77 | <0.1 | 0.1 | <0.1 | 41 | 0.83 | 0.034 | 15 |
| EH-475 | Soil | 0.7 | 42.5 | 7.4 | 107 | 0.1 | 24.2 | 14.0 | 1151 | 3.09 | 4.7 | 0.6 | 1.3 | 94 | 0.1 | 0.3 | <0.1 | 77 | 0.90 | 0.114 | 11 |
| EH-476 | Soil | 0.4 | 22.1 | 5.1 | 78 | <0.1 | 18.8 | 9.4 | 558 | 2.48 | 1.1 | 0.9 | 1.7 | 86 | 0.2 | 0.2 | <0.1 | 64 | 0.61 | 0.028 | 8 |
| EH-477 | Soil | 0.5 | 25.0 | 5.0 | 67 | <0.1 | 20.2 | 9.0 | 544 | 2.40 | 1.4 | <0.5 | 2.0 | 84 | 0.1 | 0.2 | 0.1 | 62 | 0.58 | 0.021 | 12 |
| EH-478 | Soil | 0.3 | 32.7 | 5.8 | 66 | <0.1 | 19.1 | 13.1 | 818 | 2.60 | 1.6 | 1.0 | 2.0 | 96 | 0.2 | 0.2 | <0.1 | 69 | 0.69 | 0.023 | 13 |
| EH-479 | Soil | 0.6 | 40.4 | 7.2 | 76 | <0.1 | 22.2 | 14.4 | 906 | 3.03 | 2.5 | 0.7 | 1.9 | 107 | 0.2 | 0.2 | <0.1 | 86 | 0.79 | 0.054 | 13 |
| EH-480 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-481 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-482 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-483 | Soil | 0.4 | 37.1 | 3.8 | 59 | <0.1 | 23.8 | 12.3 | 464 | 3.87 | 0.6 | 2.0 | 1.8 | 92 | 0.2 | 0.1 | <0.1 | 97 | 0.76 | 0.029 | 15 |
| EH-484 | Soil | 0.3 | 32.7 | 4.3 | 77 | <0.1 | 31.6 | 15.5 | 667 | 3.83 | <0.5 | <0.5 | 2.0 | 93 | <0.1 | <0.1 | <0.1 | 81 | 0.83 | 0.025 | 16 |
| EH-485 | Soil | 0.2 | 22.2 | 5.1 | 57 | <0.1 | 35.4 | 12.6 | 763 | 2.20 | <0.5 | 0.9 | 2.7 | 89 | <0.1 | <0.1 | <0.1 | 56 | 0.51 | 0.019 | 18 |
| EH-486 | Soil | 0.3 | 52.3 | 4.3 | 60 | 0.1 | 43.9 | 15.8 | 909 | 4.06 | <0.5 | 3.0 | 2.4 | 93 | <0.1 | <0.1 | <0.1 | 111 | 0.92 | 0.033 | 15 |
| EH-487 | Soil | 0.4 | 42.5 | 5.5 | 71 | <0.1 | 40.9 | 15.6 | 799 | 2.82 | 1.2 | 0.6 | 2.3 | 183 | <0.1 | <0.1 | <0.1 | 56 | 0.76 | 0.026 | 10 |
| EH-488 | Soil | 0.2 | 23.7 | 4.3 | 54 | <0.1 | 30.4 | 9.0 | 479 | 2.48 | <0.5 | <0.5 | 2.3 | 93 | <0.1 | <0.1 | <0.1 | 43 | 0.65 | 0.027 | 12 |
| EH-489 | Soil | 0.1 | 18.3 | 4.0 | 60 | <0.1 | 21.2 | 7.7 | 379 | 2.14 | <0.5 | <0.5 | 2.1 | 80 | <0.1 | <0.1 | <0.1 | 38 | 0.49 | 0.016 | 9 |
| EH-490 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-491 | Soil | 0.4 | 48.4 | 4.1 | 52 | 0.2 | 37.1 | 14.0 | 613 | 2.62 | 1.1 | 1.6 | 2.4 | 223 | <0.1 | 0.2 | <0.1 | 69 | 0.91 | 0.024 | 13 |
| EH-492 | Soil | 0.4 | 33.8 | 6.9 | 98 | <0.1 | 22.7 | 13.1 | 1276 | 2.61 | 1.8 | <0.5 | 1.8 | 124 | 0.2 | 0.2 | <0.1 | 58 | 0.96 | 0.052 | 14 |
| EH-493 | Soil | 0.3 | 38.0 | 4.2 | 66 | <0.1 | 25.6 | 13.1 | 686 | 2.99 | 1.0 | <0.5 | 1.9 | 146 | <0.1 | <0.1 | <0.1 | 64 | 0.82 | 0.040 | 15 |
| EH-494 | Soil | 0.5 | 29.4 | 4.6 | 78 | <0.1 | 22.7 | 11.4 | 774 | 2.51 | 0.8 | 3.2 | 1.7 | 147 | 0.1 | 0.1 | <0.1 | 56 | 0.71 | 0.027 | 12 |
| EH-495 | Soil | 0.3 | 20.7 | 5.1 | 49 | <0.1 | 11.3 | 8.3 | 390 | 2.18 | <0.5 | 2.0 | 1.7 | 122 | 0.1 | 0.2 | <0.1 | 44 | 0.82 | 0.038 | 20 |
| EH-496 | Soil | 0.3 | 34.2 | 4.8 | 56 | <0.1 | 28.3 | 13.1 | 774 | 2.54 | 0.7 | 3.3 | 1.8 | 157 | 0.1 | <0.1 | <0.1 | 55 | 1.14 | 0.038 | 22 |
| EH-497 | Soil | 0.7 | 21.0 | 4.0 | 100 | <0.1 | 18.7 | 8.5 | 713 | 2.11 | 0.8 | 0.8 | 1.1 | 65 | 0.1 | <0.1 | <0.1 | 43 | 0.55 | 0.026 | 6 |
| EH-498 | Soil | 0.5 | 26.4 | 4.8 | 89 | <0.1 | 19.5 | 8.6 | 786 | 2.47 | 1.1 | 3.3 | 1.4 | 108 | 0.2 | 0.1 | 0.1 | 48 | 0.75 | 0.029 | 10 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 6 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH-469 | Soil | 41 | 0.95 | 96 | 0.141 | 2 | 2.29 | 0.045 | 0.17 | <0.1 | 0.03 | 10.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-470 | Soil | 17 | 0.36 | 107 | 0.089 | 4 | 1.83 | 0.020 | 0.19 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH-471 | Soil | 24 | 0.72 | 102 | 0.097 | 8 | 2.92 | 0.023 | 0.34 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-472 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-473 | Soil | 33 | 0.75 | 144 | 0.127 | <1 | 2.39 | 0.030 | 0.23 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-474 | Soil | 18 | 0.46 | 120 | 0.092 | 3 | 1.90 | 0.021 | 0.23 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-475 | Soil | 27 | 0.60 | 158 | 0.110 | 2 | 3.42 | 0.017 | 0.18 | <0.1 | 0.05 | 6.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH-476 | Soil | 26 | 0.50 | 133 | 0.135 | 3 | 2.09 | 0.025 | 0.21 | <0.1 | 0.03 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-477 | Soil | 26 | 0.47 | 111 | 0.123 | <1 | 2.14 | 0.027 | 0.17 | <0.1 | 0.03 | 6.2 | 0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH-478 | Soil | 24 | 0.57 | 115 | 0.128 | 2 | 2.23 | 0.029 | 0.24 | <0.1 | 0.03 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-479 | Soil | 26 | 0.56 | 132 | 0.125 | 2 | 2.44 | 0.025 | 0.25 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-480 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-481 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-482 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-483 | Soil | 23 | 0.57 | 78 | 0.125 | 3 | 2.16 | 0.070 | 0.20 | <0.1 | 0.03 | 9.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-484 | Soil | 30 | 0.73 | 91 | 0.070 | 4 | 3.03 | 0.050 | 0.37 | <0.1 | 0.03 | 11.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-485 | Soil | 51 | 0.48 | 110 | 0.119 | 4 | 1.69 | 0.037 | 0.20 | <0.1 | 0.04 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-486 | Soil | 33 | 1.14 | 63 | 0.215 | <1 | 2.33 | 0.068 | 0.11 | <0.1 | 0.05 | 14.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-487 | Soil | 54 | 0.88 | 196 | 0.095 | 5 | 2.63 | 0.027 | 0.31 | <0.1 | 0.05 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH-488 | Soil | 44 | 0.57 | 110 | 0.106 | 5 | 1.70 | 0.020 | 0.30 | <0.1 | 0.04 | 7.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH-489 | Soil | 33 | 0.46 | 106 | 0.124 | 2 | 1.52 | 0.021 | 0.20 | <0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH-490 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH-491 | Soil | 42 | 0.73 | 190 | 0.121 | 3 | 2.35 | 0.037 | 0.24 | <0.1 | 0.03 | 9.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-492 | Soil | 25 | 0.59 | 170 | 0.089 | 9 | 2.40 | 0.026 | 0.39 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-493 | Soil | 28 | 0.72 | 153 | 0.092 | 4 | 2.86 | 0.034 | 0.38 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 6 | 0.9 | <0.2 |
| EH-494 | Soil | 24 | 0.57 | 191 | 0.089 | 5 | 2.54 | 0.026 | 0.31 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-495 | Soil | 13 | 0.61 | 108 | 0.012 | 2 | 2.06 | 0.063 | 0.19 | <0.1 | 0.05 | 4.8 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH-496 | Soil | 23 | 0.63 | 151 | 0.019 | 5 | 2.61 | 0.027 | 0.26 | <0.1 | 0.06 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-497 | Soil | 21 | 0.45 | 132 | 0.097 | 3 | 2.18 | 0.022 | 0.19 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-498 | Soil | 24 | 0.51 | 134 | 0.083 | 4 | 2.26 | 0.030 | 0.17 | <0.1 | 0.03 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 7 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | |
|----------|-----------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | | |
| | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| EH-499 | Soil | | | 0.4 | 33.3 | 4.1 | 104 | <0.1 | 23.2 | 11.6 | 722 | 3.17 | 1.6 | 2.4 | 1.5 | 122 | 0.1 | 0.1 | <0.1 | 62 | 0.85 | 0.041 | 10 |
| EH-500 | Soil | | | 0.4 | 28.4 | 5.1 | 68 | <0.1 | 19.8 | 10.4 | 751 | 2.53 | 1.6 | 3.1 | 1.6 | 161 | 0.1 | 0.2 | <0.1 | 59 | 0.70 | 0.037 | 13 |
| S-PMS-94 | Rock Pulp | | | 17.3 | 63.3 | 17.3 | 17 | 0.2 | 16.3 | 2.7 | 111 | 4.05 | 474.2 | 214.6 | 0.7 | 29 | 0.4 | 26.9 | 0.2 | 10 | 1.05 | 0.006 | 2 |
| JT-351 | Soil | | | 0.4 | 30.4 | 4.2 | 54 | <0.1 | 26.3 | 10.3 | 373 | 2.70 | 1.5 | 2.6 | 1.9 | 102 | <0.1 | 0.1 | <0.1 | 59 | 0.71 | 0.037 | 16 |
| JT-352 | Soil | | | 0.3 | 25.1 | 3.7 | 114 | <0.1 | 20.4 | 7.9 | 543 | 1.90 | 2.0 | 1.6 | 1.1 | 106 | 0.2 | 0.1 | <0.1 | 38 | 1.15 | 0.201 | 7 |
| JT-353 | Soil | | | 0.7 | 40.5 | 4.9 | 91 | 0.1 | 25.6 | 16.5 | 1321 | 3.27 | 5.4 | 2.7 | 0.6 | 93 | 0.1 | 0.2 | <0.1 | 66 | 1.19 | 0.170 | 11 |
| JT-354 | Soil | | | 0.5 | 28.6 | 6.0 | 68 | <0.1 | 25.2 | 12.7 | 669 | 2.73 | 1.8 | 1.2 | 1.6 | 91 | 0.1 | 0.2 | <0.1 | 63 | 0.84 | 0.036 | 9 |
| JT-355 | Soil | | | 0.5 | 33.5 | 5.4 | 60 | <0.1 | 26.1 | 13.3 | 738 | 3.15 | 2.4 | 1.7 | 1.8 | 110 | 0.2 | 0.3 | <0.1 | 68 | 0.78 | 0.027 | 14 |
| JT-356 | Soil | | | 0.3 | 29.8 | 5.4 | 97 | <0.1 | 18.2 | 9.4 | 798 | 2.15 | 0.9 | 1.3 | 2.0 | 93 | 0.1 | 0.1 | <0.1 | 38 | 1.11 | 0.041 | 15 |
| JT-357 | Soil | | | 0.2 | 16.8 | 3.4 | 83 | <0.1 | 13.0 | 5.9 | 253 | 1.79 | 0.8 | 0.8 | 1.1 | 67 | <0.1 | <0.1 | <0.1 | 35 | 0.61 | 0.032 | 6 |
| JT-358 | Soil | | | 0.2 | 16.5 | 5.7 | 55 | <0.1 | 10.6 | 8.7 | 645 | 2.10 | <0.5 | 1.8 | 1.6 | 80 | 0.1 | <0.1 | <0.1 | 63 | 0.47 | 0.016 | 12 |
| JT-359 | Soil | | | 0.2 | 16.2 | 4.5 | 56 | <0.1 | 10.2 | 6.5 | 352 | 2.24 | <0.5 | 1.6 | 1.7 | 103 | <0.1 | <0.1 | 0.1 | 68 | 0.49 | 0.019 | 11 |
| JT-360 | Soil | | | 0.2 | 14.6 | 3.8 | 60 | <0.1 | 8.6 | 5.1 | 373 | 1.72 | 0.5 | 1.7 | 1.3 | 76 | <0.1 | <0.1 | <0.1 | 42 | 0.51 | 0.017 | 7 |
| JT-361 | Soil | | | 0.5 | 21.7 | 5.1 | 69 | <0.1 | 14.8 | 6.9 | 481 | 1.98 | 1.0 | 1.1 | 1.5 | 63 | <0.1 | 0.1 | <0.1 | 46 | 0.56 | 0.019 | 7 |
| JT-362 | Soil | | | 0.5 | 13.9 | 4.3 | 45 | <0.1 | 15.8 | 9.7 | 626 | 2.05 | 1.0 | 1.4 | 1.1 | 85 | <0.1 | <0.1 | <0.1 | 47 | 0.58 | 0.023 | 5 |
| JT-363 | Soil | | | 0.3 | 29.5 | 5.0 | 71 | <0.1 | 29.3 | 14.4 | 912 | 2.75 | <0.5 | 1.5 | 1.8 | 134 | <0.1 | <0.1 | <0.1 | 60 | 0.99 | 0.021 | 20 |
| JT-364 | Soil | | | 0.1 | 24.2 | 3.8 | 59 | <0.1 | 18.3 | 8.9 | 440 | 2.48 | <0.5 | 1.3 | 2.1 | 83 | <0.1 | <0.1 | <0.1 | 46 | 0.67 | 0.024 | 18 |
| JT-365 | Soil | | | 0.3 | 22.5 | 4.9 | 61 | <0.1 | 17.7 | 8.7 | 619 | 2.16 | 0.5 | 0.9 | 1.9 | 103 | <0.1 | 0.1 | <0.1 | 48 | 0.65 | 0.018 | 13 |
| JT-366 | Soil | | | 0.5 | 25.5 | 5.8 | 70 | <0.1 | 23.7 | 11.3 | 827 | 2.43 | 0.8 | <0.5 | 2.0 | 98 | 0.2 | 0.1 | <0.1 | 47 | 0.78 | 0.027 | 14 |
| JT-367 | Soil | | | 0.5 | 27.2 | 5.2 | 65 | <0.1 | 23.4 | 10.5 | 593 | 2.50 | 0.9 | 0.8 | 1.8 | 116 | 0.2 | 0.2 | <0.1 | 56 | 0.88 | 0.035 | 17 |
| JT-368 | Soil | | | 0.6 | 32.6 | 5.0 | 84 | <0.1 | 22.1 | 9.3 | 540 | 3.05 | 1.8 | 1.8 | 1.9 | 101 | <0.1 | 0.1 | 0.1 | 60 | 0.79 | 0.031 | 14 |
| JT-369 | Soil | | | 0.3 | 33.8 | 6.0 | 65 | <0.1 | 20.5 | 10.1 | 512 | 3.19 | 1.4 | 1.6 | 1.9 | 118 | 0.1 | 0.2 | <0.1 | 67 | 0.75 | 0.030 | 16 |
| JT-370 | Soil | | | 0.4 | 29.9 | 4.9 | 66 | <0.1 | 21.5 | 9.0 | 397 | 2.72 | 1.2 | 1.7 | 1.9 | 114 | 0.1 | 0.1 | <0.1 | 59 | 0.73 | 0.031 | 14 |
| JT-371 | Soil | | | 0.2 | 37.3 | 4.1 | 65 | <0.1 | 29.5 | 10.0 | 355 | 3.23 | 0.6 | 1.5 | 2.1 | 108 | 0.1 | <0.1 | <0.1 | 60 | 0.77 | 0.035 | 12 |
| JT-372 | Soil | | | 0.3 | 28.4 | 4.4 | 79 | <0.1 | 23.2 | 9.5 | 393 | 2.70 | 0.9 | 1.7 | 1.8 | 86 | 0.1 | <0.1 | <0.1 | 55 | 0.67 | 0.019 | 9 |
| JT-373 | Soil | | | 0.3 | 40.5 | 4.7 | 66 | 0.1 | 29.1 | 10.9 | 407 | 3.30 | 1.4 | 2.1 | 2.0 | 119 | 0.1 | 0.1 | <0.1 | 65 | 0.73 | 0.024 | 16 |
| JT-374 | Soil | | | 0.3 | 42.3 | 4.0 | 62 | <0.1 | 42.5 | 13.3 | 403 | 3.71 | 1.1 | 2.5 | 1.6 | 90 | 0.1 | <0.1 | <0.1 | 67 | 0.70 | 0.032 | 14 |
| JT-375 | Soil | | | 0.3 | 37.2 | 3.7 | 58 | <0.1 | 45.5 | 13.7 | 444 | 3.62 | <0.5 | <0.5 | 1.4 | 70 | 0.1 | <0.1 | <0.1 | 63 | 0.61 | 0.026 | 11 |
| JT-376 | Soil | | | 0.4 | 32.3 | 4.7 | 76 | <0.1 | 32.4 | 11.9 | 573 | 2.85 | 0.6 | 0.9 | 1.3 | 110 | <0.1 | <0.1 | <0.1 | 63 | 0.73 | 0.035 | 11 |
| JT-377 | Soil | | | 0.3 | 37.5 | 4.4 | 62 | <0.1 | 29.0 | 10.2 | 339 | 3.35 | 0.8 | 5.6 | 2.0 | 110 | <0.1 | 0.1 | <0.1 | 65 | 0.75 | 0.031 | 12 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 7 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH-499 | Soil | 28 | 0.64 | 136 | 0.092 | 5 | 2.57 | 0.038 | 0.27 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-500 | Soil | 25 | 0.51 | 176 | 0.087 | 6 | 2.05 | 0.022 | 0.45 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| S-PMS-94 | Rock Pulp | 23 | 0.03 | 887 | 0.009 | 2 | 0.17 | 0.008 | 0.06 | 3.1 | 3.01 | 0.7 | 10.1 | 0.08 | <1 | 2.3 | <0.2 |
| JT-351 | Soil | 35 | 0.72 | 140 | 0.093 | 3 | 2.42 | 0.036 | 0.15 | <0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-352 | Soil | 17 | 0.42 | 210 | 0.069 | 9 | 1.88 | 0.024 | 0.24 | <0.1 | 0.03 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-353 | Soil | 26 | 0.90 | 150 | 0.059 | 2 | 3.53 | 0.024 | 0.17 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT-354 | Soil | 26 | 0.69 | 163 | 0.106 | 2 | 3.01 | 0.020 | 0.20 | <0.1 | 0.01 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-355 | Soil | 34 | 0.67 | 151 | 0.115 | 4 | 2.70 | 0.025 | 0.22 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-356 | Soil | 19 | 0.44 | 118 | 0.069 | 8 | 1.96 | 0.019 | 0.26 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-357 | Soil | 15 | 0.35 | 84 | 0.088 | 4 | 1.85 | 0.021 | 0.16 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-358 | Soil | 13 | 0.33 | 96 | 0.134 | 2 | 1.16 | 0.019 | 0.18 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| JT-359 | Soil | 16 | 0.32 | 99 | 0.158 | 5 | 1.33 | 0.025 | 0.23 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT-360 | Soil | 12 | 0.28 | 97 | 0.106 | 4 | 1.19 | 0.019 | 0.19 | <0.1 | 0.04 | 3.7 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| JT-361 | Soil | 21 | 0.36 | 138 | 0.113 | 5 | 1.74 | 0.022 | 0.22 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-362 | Soil | 22 | 0.41 | 119 | 0.063 | 2 | 1.90 | 0.043 | 0.11 | <0.1 | 0.05 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-363 | Soil | 28 | 0.57 | 177 | 0.031 | 3 | 2.67 | 0.030 | 0.26 | <0.1 | 0.05 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-364 | Soil | 21 | 0.55 | 99 | 0.065 | 3 | 2.15 | 0.025 | 0.15 | <0.1 | 0.04 | 7.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-365 | Soil | 20 | 0.43 | 131 | 0.070 | 4 | 1.80 | 0.020 | 0.28 | <0.1 | 0.03 | 5.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT-366 | Soil | 23 | 0.53 | 140 | 0.058 | 4 | 2.53 | 0.019 | 0.27 | <0.1 | 0.06 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-367 | Soil | 29 | 0.48 | 168 | 0.090 | 4 | 2.30 | 0.024 | 0.24 | <0.1 | 0.04 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-368 | Soil | 28 | 0.56 | 146 | 0.116 | 5 | 2.84 | 0.030 | 0.15 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-369 | Soil | 27 | 0.56 | 124 | 0.114 | 4 | 2.33 | 0.040 | 0.15 | <0.1 | 0.04 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-370 | Soil | 31 | 0.51 | 143 | 0.130 | 6 | 2.55 | 0.029 | 0.18 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-371 | Soil | 30 | 0.72 | 132 | 0.143 | 6 | 2.50 | 0.036 | 0.23 | <0.1 | 0.03 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-372 | Soil | 26 | 0.64 | 126 | 0.135 | 5 | 2.60 | 0.029 | 0.17 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-373 | Soil | 30 | 0.71 | 129 | 0.129 | 4 | 2.46 | 0.036 | 0.21 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-374 | Soil | 35 | 0.84 | 90 | 0.140 | 3 | 2.37 | 0.038 | 0.19 | <0.1 | 0.02 | 10.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-375 | Soil | 36 | 0.81 | 67 | 0.197 | 4 | 2.09 | 0.035 | 0.23 | <0.1 | 0.01 | 10.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-376 | Soil | 37 | 0.71 | 98 | 0.181 | 5 | 2.36 | 0.038 | 0.23 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-377 | Soil | 33 | 0.96 | 110 | 0.213 | 4 | 2.63 | 0.031 | 0.19 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 8 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT-378 | Soil | 0.2 | 46.6 | 4.6 | 52 | <0.1 | 37.4 | 15.5 | 543 | 3.92 | 1.2 | 2.2 | 1.9 | 143 | <0.1 | 0.1 | <0.1 | 94 | 1.05 | 0.041 | 14 |
| JT-379 | Soil | 0.4 | 40.3 | 4.8 | 63 | <0.1 | 26.6 | 12.3 | 551 | 3.43 | 0.8 | 1.3 | 1.8 | 117 | <0.1 | <0.1 | <0.1 | 80 | 0.87 | 0.035 | 14 |
| JT-380 | Soil | 0.4 | 35.1 | 4.9 | 74 | <0.1 | 23.1 | 10.3 | 461 | 3.24 | 0.9 | 0.6 | 1.8 | 119 | 0.1 | <0.1 | <0.1 | 78 | 0.87 | 0.032 | 13 |
| JT-381 | Soil | 0.3 | 46.3 | 5.0 | 61 | <0.1 | 25.4 | 10.4 | 392 | 3.53 | 0.9 | 0.7 | 2.2 | 114 | 0.1 | 0.2 | <0.1 | 75 | 0.98 | 0.038 | 15 |
| JT-382 | Soil | 0.3 | 50.0 | 5.0 | 50 | <0.1 | 32.3 | 13.1 | 477 | 3.81 | 1.9 | 4.2 | 2.2 | 127 | 0.1 | 0.2 | <0.1 | 80 | 0.92 | 0.032 | 13 |
| JT-383 | Soil | 0.2 | 39.7 | 4.1 | 65 | <0.1 | 25.6 | 10.8 | 394 | 2.97 | 1.2 | 1.2 | 1.8 | 125 | <0.1 | 0.1 | 0.1 | 79 | 0.82 | 0.025 | 10 |
| JT-384 | Soil | 0.4 | 40.6 | 4.3 | 77 | 0.1 | 29.2 | 11.9 | 626 | 2.89 | 2.1 | 0.9 | 1.7 | 106 | 0.2 | 0.2 | <0.1 | 63 | 0.93 | 0.028 | 13 |
| JT-385 | Soil | 0.5 | 31.7 | 5.0 | 73 | <0.1 | 22.3 | 11.4 | 697 | 2.62 | 2.2 | <0.5 | 1.7 | 107 | 0.1 | 0.2 | <0.1 | 59 | 0.81 | 0.032 | 13 |
| JT-386 | Soil | 0.4 | 25.7 | 5.1 | 96 | <0.1 | 20.4 | 9.3 | 572 | 2.56 | 2.4 | <0.5 | 1.6 | 89 | <0.1 | 0.1 | 0.1 | 54 | 0.66 | 0.046 | 10 |
| JT-387 | Soil | 0.7 | 27.2 | 4.7 | 101 | <0.1 | 19.7 | 10.3 | 845 | 2.48 | 3.3 | 2.0 | 1.4 | 99 | <0.1 | 0.2 | 0.2 | 57 | 0.84 | 0.049 | 9 |
| JT-388 | Soil | 0.5 | 27.4 | 4.8 | 61 | <0.1 | 22.9 | 10.5 | 367 | 2.46 | 2.9 | <0.5 | 1.4 | 65 | <0.1 | 0.2 | <0.1 | 60 | 0.45 | 0.042 | 6 |
| JT-389 | Soil | 0.7 | 33.4 | 5.0 | 76 | <0.1 | 24.0 | 9.9 | 582 | 2.53 | 3.1 | 0.6 | 1.4 | 78 | <0.1 | 0.2 | <0.1 | 55 | 0.76 | 0.049 | 7 |
| JT-390 | Soil | 0.7 | 27.0 | 4.7 | 84 | <0.1 | 18.5 | 8.6 | 640 | 2.41 | 2.4 | 0.5 | 1.5 | 92 | 0.1 | 0.2 | <0.1 | 57 | 0.60 | 0.039 | 11 |
| JT-391 | Soil | 0.5 | 43.3 | 5.3 | 59 | <0.1 | 32.9 | 13.7 | 498 | 3.09 | 1.8 | 0.6 | 2.0 | 192 | 0.1 | 0.2 | <0.1 | 59 | 0.86 | 0.034 | 20 |
| JT-392 | Soil | 0.3 | 37.6 | 5.5 | 41 | <0.1 | 22.4 | 10.9 | 334 | 3.02 | 2.2 | <0.5 | 2.2 | 242 | <0.1 | 0.2 | <0.1 | 62 | 0.84 | 0.034 | 15 |
| JT-393 | Soil | 0.5 | 31.3 | 5.3 | 83 | <0.1 | 22.4 | 11.0 | 711 | 2.70 | 2.5 | <0.5 | 1.7 | 128 | <0.1 | 0.2 | <0.1 | 62 | 0.74 | 0.034 | 13 |
| JT-394 | Soil | 0.5 | 25.7 | 4.7 | 64 | <0.1 | 19.5 | 8.1 | 367 | 2.17 | 2.7 | 0.6 | 1.3 | 84 | <0.1 | 0.2 | <0.1 | 54 | 0.44 | 0.027 | 6 |
| JT-395 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT-396 | Soil | 0.4 | 34.0 | 4.6 | 83 | <0.1 | 25.1 | 11.3 | 687 | 3.02 | 1.4 | <0.5 | 1.8 | 90 | <0.1 | 0.1 | <0.1 | 63 | 0.72 | 0.034 | 10 |
| JT-397 | Soil | 0.6 | 24.2 | 4.9 | 86 | <0.1 | 21.5 | 9.3 | 700 | 2.32 | 1.8 | <0.5 | 1.5 | 88 | 0.1 | 0.1 | <0.1 | 55 | 0.76 | 0.038 | 7 |
| JT-398 | Soil | 0.4 | 35.0 | 4.2 | 57 | <0.1 | 27.3 | 10.1 | 415 | 2.83 | 1.8 | <0.5 | 2.3 | 82 | 0.2 | 0.1 | <0.1 | 63 | 0.80 | 0.031 | 14 |
| JT-399 | Soil | 0.5 | 34.7 | 4.2 | 69 | <0.1 | 28.2 | 11.3 | 720 | 2.84 | 2.2 | <0.5 | 2.1 | 90 | 0.1 | 0.1 | <0.1 | 65 | 0.74 | 0.032 | 12 |
| JT-400 | Soil | 0.5 | 29.2 | 4.6 | 88 | <0.1 | 26.1 | 10.6 | 583 | 2.72 | 3.0 | <0.5 | 1.8 | 80 | 0.1 | 0.1 | 0.3 | 62 | 0.82 | 0.058 | 11 |
| S-PMS-98 | Rock Pulp | 17.0 | 62.6 | 16.6 | 18 | 0.1 | 17.2 | 2.6 | 107 | 3.71 | 438.5 | 218.8 | 0.7 | 30 | 0.4 | 26.5 | 0.2 | 10 | 0.97 | 0.006 | 2 |
| JT-401 | Soil | 0.7 | 31.8 | 4.5 | 75 | <0.1 | 25.1 | 11.4 | 556 | 2.50 | 2.6 | <0.5 | 1.5 | 58 | 0.1 | 0.1 | <0.1 | 59 | 0.67 | 0.030 | 8 |
| JT-402 | Soil | 0.7 | 25.4 | 5.1 | 59 | <0.1 | 22.9 | 10.3 | 433 | 2.53 | 2.9 | <0.5 | 1.5 | 85 | <0.1 | 0.2 | <0.1 | 61 | 0.65 | 0.030 | 8 |
| JT-403 | Soil | 0.5 | 33.2 | 4.6 | 83 | <0.1 | 27.8 | 11.6 | 516 | 2.78 | 2.6 | 1.5 | 1.8 | 87 | 0.2 | <0.1 | <0.1 | 60 | 0.76 | 0.042 | 12 |
| JT-404 | Soil | 0.4 | 42.0 | 4.0 | 77 | <0.1 | 33.3 | 12.2 | 428 | 3.06 | 2.2 | 1.6 | 1.9 | 81 | 0.1 | 0.1 | <0.1 | 67 | 0.78 | 0.033 | 14 |
| JT-405 | Soil | 0.5 | 42.4 | 3.4 | 49 | <0.1 | 53.7 | 17.4 | 391 | 3.31 | 1.1 | <0.5 | 1.6 | 73 | <0.1 | 0.1 | <0.1 | 73 | 0.66 | 0.030 | 15 |
| JT-406 | Soil | 0.6 | 30.1 | 4.3 | 68 | <0.1 | 34.6 | 13.3 | 541 | 3.04 | 1.8 | <0.5 | 1.5 | 80 | <0.1 | 0.1 | <0.1 | 64 | 0.71 | 0.038 | 12 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 8 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT-378 | Soil | 40 | 1.65 | 116 | 0.314 | 3 | 2.89 | 0.041 | 0.10 | 0.1 | 0.02 | 12.4 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT-379 | Soil | 30 | 0.98 | 93 | 0.270 | 5 | 2.28 | 0.050 | 0.21 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-380 | Soil | 28 | 0.72 | 103 | 0.247 | 4 | 2.38 | 0.043 | 0.21 | <0.1 | 0.03 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-381 | Soil | 30 | 0.81 | 95 | 0.240 | 5 | 2.71 | 0.048 | 0.19 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-382 | Soil | 32 | 0.99 | 102 | 0.168 | 4 | 2.65 | 0.042 | 0.18 | <0.1 | 0.02 | 11.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT-383 | Soil | 26 | 0.68 | 87 | 0.262 | 5 | 2.10 | 0.035 | 0.26 | <0.1 | 0.01 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-384 | Soil | 31 | 0.69 | 129 | 0.104 | 7 | 2.50 | 0.026 | 0.22 | <0.1 | 0.03 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-385 | Soil | 29 | 0.48 | 146 | 0.103 | 6 | 2.35 | 0.026 | 0.17 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-386 | Soil | 25 | 0.45 | 151 | 0.098 | 6 | 2.31 | 0.020 | 0.30 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-387 | Soil | 24 | 0.51 | 168 | 0.111 | 10 | 2.12 | 0.023 | 0.18 | <0.1 | 0.03 | 6.0 | 0.1 | 0.08 | 6 | <0.5 | <0.2 |
| JT-388 | Soil | 28 | 0.52 | 155 | 0.121 | 4 | 2.27 | 0.022 | 0.08 | <0.1 | <0.01 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-389 | Soil | 28 | 0.51 | 179 | 0.109 | 8 | 2.59 | 0.020 | 0.12 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-390 | Soil | 25 | 0.46 | 141 | 0.106 | 7 | 2.03 | 0.024 | 0.24 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-391 | Soil | 28 | 0.85 | 144 | 0.120 | 5 | 2.85 | 0.031 | 0.26 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-392 | Soil | 25 | 0.77 | 135 | 0.088 | 3 | 2.70 | 0.032 | 0.14 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-393 | Soil | 30 | 0.52 | 194 | 0.113 | 4 | 2.57 | 0.027 | 0.14 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-394 | Soil | 25 | 0.43 | 162 | 0.111 | 4 | 1.86 | 0.021 | 0.16 | <0.1 | 0.01 | 5.0 | <0.1 | 0.05 | 5 | <0.5 | <0.2 |
| JT-395 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT-396 | Soil | 31 | 0.56 | 111 | 0.135 | 11 | 2.34 | 0.025 | 0.24 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-397 | Soil | 26 | 0.44 | 157 | 0.119 | 8 | 2.19 | 0.024 | 0.16 | <0.1 | 0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-398 | Soil | 36 | 0.67 | 120 | 0.143 | 5 | 2.57 | 0.036 | 0.14 | <0.1 | 0.02 | 7.8 | <0.1 | 0.08 | 7 | <0.5 | <0.2 |
| JT-399 | Soil | 35 | 0.64 | 132 | 0.141 | 5 | 2.69 | 0.039 | 0.14 | <0.1 | 0.03 | 8.3 | <0.1 | 0.05 | 7 | <0.5 | <0.2 |
| JT-400 | Soil | 34 | 0.62 | 145 | 0.115 | 5 | 2.86 | 0.024 | 0.15 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| S-PMS-98 | Rock Pulp | 23 | 0.02 | 1323 | 0.010 | 1 | 0.16 | 0.007 | 0.06 | 2.8 | 2.84 | 0.7 | 10.6 | 0.16 | <1 | 1.7 | <0.2 |
| JT-401 | Soil | 28 | 0.59 | 131 | 0.114 | 2 | 2.47 | 0.024 | 0.14 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-402 | Soil | 29 | 0.51 | 145 | 0.129 | 3 | 2.45 | 0.023 | 0.12 | <0.1 | 0.01 | 5.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-403 | Soil | 30 | 0.60 | 136 | 0.121 | 5 | 2.63 | 0.028 | 0.14 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-404 | Soil | 35 | 0.71 | 133 | 0.137 | 3 | 2.87 | 0.033 | 0.11 | <0.1 | <0.01 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-405 | Soil | 40 | 0.89 | 70 | 0.209 | 5 | 2.02 | 0.031 | 0.16 | <0.1 | 0.01 | 10.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-406 | Soil | 39 | 0.66 | 130 | 0.142 | 3 | 2.72 | 0.030 | 0.11 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 9 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | |
|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | | |
| | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| JT-407 | Soil | | | 0.4 | 33.2 | 4.7 | 70 | <0.1 | 24.3 | 10.6 | 509 | 2.95 | 1.9 | <0.5 | 1.9 | 111 | <0.1 | 0.1 | <0.1 | 66 | 0.89 | 0.049 | 12 |
| JT-408 | Soil | | | 0.3 | 39.4 | 4.2 | 61 | <0.1 | 30.4 | 11.9 | 419 | 3.34 | 1.7 | <0.5 | 1.9 | 117 | <0.1 | 0.2 | <0.1 | 77 | 1.07 | 0.030 | 13 |
| JT-409 | Soil | | | 0.5 | 35.2 | 4.2 | 77 | <0.1 | 25.4 | 11.7 | 631 | 2.95 | 2.0 | <0.5 | 1.6 | 84 | 0.1 | 0.2 | <0.1 | 73 | 0.74 | 0.031 | 11 |
| JT-410 | Soil | | | 0.3 | 39.2 | 3.8 | 70 | <0.1 | 27.9 | 13.7 | 492 | 3.49 | 1.3 | 2.4 | 1.8 | 82 | <0.1 | <0.1 | <0.1 | 82 | 0.89 | 0.042 | 10 |
| JT-411 | Soil | | | 0.4 | 38.5 | 4.3 | 71 | <0.1 | 31.4 | 16.0 | 915 | 3.17 | 2.8 | <0.5 | 1.7 | 89 | 0.1 | 0.2 | <0.1 | 78 | 0.94 | 0.048 | 11 |
| JT-412 | Soil | | | 0.3 | 38.2 | 3.4 | 58 | <0.1 | 31.1 | 12.5 | 403 | 3.29 | 1.2 | <0.5 | 1.8 | 76 | <0.1 | 0.1 | <0.1 | 79 | 0.79 | 0.036 | 12 |
| JT-413 | Soil | | | 0.3 | 40.2 | 4.1 | 53 | <0.1 | 26.6 | 11.2 | 409 | 3.79 | 2.0 | 2.9 | 1.9 | 380 | <0.1 | 0.2 | <0.1 | 87 | 1.17 | 0.042 | 20 |
| JT-414 | Soil | | | 0.4 | 49.7 | 4.8 | 50 | <0.1 | 24.6 | 16.3 | 328 | 2.89 | 9.2 | 3.6 | 2.5 | 151 | <0.1 | 1.2 | <0.1 | 75 | 1.32 | 0.121 | 17 |
| JT-415 | Soil | | | 0.3 | 41.3 | 4.9 | 62 | <0.1 | 30.8 | 16.4 | 758 | 3.36 | 1.4 | 2.5 | 2.0 | 209 | 0.1 | 0.3 | <0.1 | 79 | 1.02 | 0.045 | 20 |
| JT-416 | Soil | | | 0.4 | 38.0 | 4.1 | 59 | <0.1 | 31.6 | 13.9 | 565 | 3.25 | 1.1 | 0.9 | 1.8 | 202 | 0.1 | 0.2 | <0.1 | 71 | 0.98 | 0.044 | 18 |
| JT-417 | Soil | | | 0.3 | 36.4 | 4.3 | 65 | <0.1 | 32.4 | 14.9 | 588 | 3.30 | 1.3 | 0.7 | 1.8 | 217 | 0.1 | 0.3 | <0.1 | 79 | 1.12 | 0.061 | 19 |
| JT-418 | Soil | | | 0.2 | 54.2 | 4.2 | 54 | <0.1 | 39.0 | 14.9 | 399 | 3.53 | 2.0 | 3.6 | 2.1 | 161 | 0.2 | 0.4 | <0.1 | 95 | 1.00 | 0.063 | 19 |
| JT-419 | Soil | | | 0.3 | 27.2 | 4.0 | 61 | <0.1 | 20.7 | 9.1 | 357 | 2.40 | 0.8 | 3.7 | 1.4 | 87 | <0.1 | <0.1 | <0.1 | 57 | 0.61 | 0.025 | 11 |
| JT-420 | Soil | | | 0.4 | 35.8 | 4.4 | 94 | <0.1 | 21.2 | 8.8 | 503 | 2.65 | 1.6 | 1.3 | 1.4 | 97 | <0.1 | 0.1 | 0.2 | 59 | 0.59 | 0.033 | 11 |
| JT-421 | Soil | | | 0.2 | 40.2 | 3.8 | 40 | <0.1 | 32.0 | 11.9 | 281 | 3.41 | 0.9 | <0.5 | 2.2 | 102 | <0.1 | <0.1 | <0.1 | 62 | 0.78 | 0.035 | 18 |
| JT-422 | Soil | | | 0.6 | 19.8 | 3.6 | 64 | <0.1 | 14.1 | 8.0 | 753 | 1.87 | 1.1 | <0.5 | 1.1 | 68 | 0.1 | <0.1 | <0.1 | 42 | 0.56 | 0.024 | 5 |
| JT-423 | Soil | | | 0.4 | 33.8 | 3.6 | 61 | <0.1 | 26.2 | 12.6 | 675 | 2.83 | 0.6 | 1.4 | 1.7 | 99 | 0.1 | 0.1 | <0.1 | 69 | 0.65 | 0.023 | 15 |
| JT-424 | Soil | | | 0.3 | 28.0 | 3.9 | 95 | <0.1 | 21.9 | 10.5 | 716 | 2.50 | 1.0 | <0.5 | 1.4 | 128 | 0.1 | 0.1 | <0.1 | 56 | 0.83 | 0.037 | 14 |
| JT-425 | Soil | | | 0.3 | 39.7 | 4.7 | 77 | <0.1 | 27.5 | 14.0 | 616 | 3.03 | 0.9 | <0.5 | 1.9 | 87 | 0.1 | 0.1 | <0.1 | 66 | 0.67 | 0.032 | 16 |
| JT-426 | Soil | | | 0.4 | 32.1 | 4.3 | 53 | <0.1 | 22.5 | 11.0 | 591 | 2.72 | 1.2 | <0.5 | 1.7 | 96 | 0.1 | <0.1 | <0.1 | 55 | 0.71 | 0.032 | 12 |
| JT-427 | Soil | | | 0.2 | 36.3 | 3.9 | 64 | <0.1 | 21.2 | 10.9 | 498 | 2.78 | 0.9 | <0.5 | 1.6 | 103 | 0.1 | 0.1 | <0.1 | 66 | 0.65 | 0.029 | 12 |
| JT-428 | Soil | | | 0.3 | 24.9 | 4.5 | 48 | <0.1 | 18.2 | 8.3 | 271 | 2.46 | 0.9 | <0.5 | 1.6 | 95 | 0.1 | 0.1 | <0.1 | 56 | 0.59 | 0.037 | 12 |
| JT-429 | Soil | | | 0.2 | 28.9 | 3.9 | 62 | <0.1 | 23.7 | 9.6 | 487 | 2.44 | 1.2 | 48.0 | 1.6 | 82 | <0.1 | 0.1 | <0.1 | 53 | 0.55 | 0.030 | 10 |
| JT-430 | Soil | | | 0.3 | 40.6 | 4.4 | 99 | <0.1 | 25.3 | 10.1 | 744 | 2.35 | 1.4 | <0.5 | 1.5 | 99 | 0.1 | <0.1 | <0.1 | 46 | 1.06 | 0.054 | 11 |
| JT-431 | Soil | | | 0.3 | 37.1 | 4.1 | 60 | <0.1 | 32.6 | 13.3 | 613 | 2.73 | 0.6 | <0.5 | 2.0 | 78 | 0.1 | <0.1 | <0.1 | 55 | 0.70 | 0.032 | 13 |
| JT-432 | Soil | | | 0.2 | 31.2 | 3.6 | 72 | <0.1 | 27.7 | 11.8 | 676 | 2.67 | 0.7 | <0.5 | 2.1 | 96 | <0.1 | <0.1 | <0.1 | 55 | 0.84 | 0.028 | 11 |
| JT-433 | Soil | | | 0.3 | 40.4 | 3.5 | 57 | <0.1 | 32.1 | 11.5 | 355 | 3.12 | 0.6 | <0.5 | 2.6 | 77 | 0.1 | <0.1 | <0.1 | 72 | 0.72 | 0.020 | 14 |
| JT-434 | Soil | | | 0.4 | 50.9 | 4.7 | 59 | <0.1 | 36.0 | 11.4 | 408 | 3.15 | 1.9 | <0.5 | 2.0 | 132 | 0.2 | 0.3 | <0.1 | 66 | 0.79 | 0.040 | 14 |
| JT-435 | Soil | | | 0.4 | 28.3 | 4.4 | 57 | <0.1 | 22.7 | 9.8 | 502 | 2.51 | 1.2 | <0.5 | 1.7 | 122 | 0.1 | 0.2 | <0.1 | 56 | 0.68 | 0.027 | 14 |
| JT-436 | Soil | | | 0.2 | 31.0 | 3.2 | 58 | <0.1 | 29.1 | 12.2 | 504 | 2.85 | 1.2 | <0.5 | 2.1 | 108 | <0.1 | <0.1 | <0.1 | 62 | 0.78 | 0.029 | 15 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 9 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT-407 | Soil | 31 | 0.60 | 98 | 0.177 | 10 | 2.39 | 0.044 | 0.19 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-408 | Soil | 38 | 0.67 | 104 | 0.191 | 3 | 2.55 | 0.048 | 0.22 | <0.1 | <0.01 | 10.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-409 | Soil | 28 | 0.61 | 107 | 0.176 | 5 | 2.35 | 0.043 | 0.22 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-410 | Soil | 32 | 0.91 | 84 | 0.241 | 7 | 2.40 | 0.047 | 0.25 | <0.1 | 0.01 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-411 | Soil | 32 | 0.94 | 98 | 0.179 | 8 | 2.33 | 0.039 | 0.37 | <0.1 | 0.02 | 10.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-412 | Soil | 28 | 0.90 | 68 | 0.215 | 6 | 2.27 | 0.052 | 0.25 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-413 | Soil | 28 | 1.03 | 289 | 0.065 | 6 | 3.24 | 0.027 | 0.18 | <0.1 | 0.09 | 10.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT-414 | Soil | 20 | 0.59 | 107 | 0.009 | 4 | 2.62 | 0.031 | 0.08 | <0.1 | 0.68 | 9.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-415 | Soil | 27 | 0.75 | 168 | 0.029 | 5 | 3.21 | 0.032 | 0.32 | <0.1 | 0.10 | 9.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT-416 | Soil | 27 | 0.79 | 156 | 0.040 | 5 | 3.18 | 0.030 | 0.40 | <0.1 | 0.09 | 9.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT-417 | Soil | 27 | 0.88 | 192 | 0.040 | 10 | 3.39 | 0.023 | 0.43 | <0.1 | 0.27 | 9.6 | <0.1 | 0.06 | 8 | <0.5 | <0.2 |
| JT-418 | Soil | 32 | 1.07 | 113 | 0.101 | 4 | 3.27 | 0.041 | 0.23 | <0.1 | 0.04 | 11.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT-419 | Soil | 24 | 0.53 | 100 | 0.146 | 3 | 2.02 | 0.031 | 0.24 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-420 | Soil | 28 | 0.48 | 135 | 0.120 | 7 | 2.27 | 0.031 | 0.19 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-421 | Soil | 32 | 1.31 | 87 | 0.104 | 8 | 2.51 | 0.035 | 0.22 | <0.1 | 0.02 | 12.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-422 | Soil | 20 | 0.45 | 117 | 0.101 | 7 | 1.60 | 0.026 | 0.19 | <0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT-423 | Soil | 29 | 0.74 | 92 | 0.136 | 4 | 2.00 | 0.049 | 0.21 | <0.1 | 0.01 | 8.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-424 | Soil | 28 | 0.57 | 149 | 0.087 | 7 | 2.18 | 0.039 | 0.25 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-425 | Soil | 34 | 0.83 | 117 | 0.145 | 7 | 2.71 | 0.040 | 0.33 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-426 | Soil | 27 | 0.65 | 120 | 0.123 | 18 | 1.98 | 0.035 | 0.42 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-427 | Soil | 26 | 0.64 | 120 | 0.137 | 6 | 2.14 | 0.041 | 0.39 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-428 | Soil | 28 | 0.54 | 129 | 0.127 | 9 | 2.09 | 0.042 | 0.27 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-429 | Soil | 30 | 0.56 | 120 | 0.125 | 10 | 1.90 | 0.031 | 0.45 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-430 | Soil | 24 | 0.56 | 175 | 0.100 | 13 | 2.13 | 0.033 | 0.45 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-431 | Soil | 25 | 0.89 | 102 | 0.127 | 5 | 1.92 | 0.036 | 0.31 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-432 | Soil | 33 | 0.61 | 120 | 0.130 | 8 | 2.05 | 0.048 | 0.38 | <0.1 | 0.01 | 7.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-433 | Soil | 44 | 0.93 | 92 | 0.164 | 3 | 2.34 | 0.081 | 0.16 | <0.1 | 0.01 | 10.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-434 | Soil | 44 | 0.78 | 144 | 0.108 | 5 | 2.45 | 0.035 | 0.27 | <0.1 | 0.04 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-435 | Soil | 31 | 0.54 | 152 | 0.100 | 3 | 2.14 | 0.034 | 0.30 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-436 | Soil | 43 | 0.85 | 105 | 0.084 | 4 | 2.50 | 0.051 | 0.33 | <0.1 | 0.01 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 10 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method Analyte | Unit | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| MDL | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | 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 | 1 |
| JT-437 | Soil | 0.4 | 22.2 | 4.1 | 56 | <0.1 | 21.4 | 9.3 | 583 | 2.08 | 0.7 | <0.5 | 1.4 | 122 | <0.1 | 0.1 | <0.1 | 49 | 0.63 | 0.022 | 11 |
| JT-438 | Soil | 0.2 | 23.7 | 5.0 | 84 | <0.1 | 18.9 | 9.6 | 713 | 2.43 | 0.8 | <0.5 | 1.8 | 68 | 0.1 | <0.1 | <0.1 | 60 | 0.63 | 0.029 | 14 |
| JT-439 | Soil | 0.2 | 15.1 | 4.6 | 66 | <0.1 | 14.0 | 7.9 | 618 | 1.95 | <0.5 | <0.5 | 1.5 | 54 | 0.1 | <0.1 | <0.1 | 60 | 0.46 | 0.020 | 11 |
| JT-440 | Soil | 0.2 | 23.1 | 5.2 | 51 | <0.1 | 19.7 | 9.7 | 513 | 2.53 | 0.6 | <0.5 | 2.1 | 92 | 0.2 | 0.1 | 0.1 | 59 | 0.57 | 0.029 | 16 |
| JT-441 | Soil | 0.5 | 33.6 | 4.8 | 64 | <0.1 | 21.1 | 10.4 | 662 | 2.58 | 1.8 | <0.5 | 1.7 | 99 | 0.2 | 0.2 | 0.1 | 74 | 0.66 | 0.031 | 15 |
| JT-442 | Soil | 0.1 | 27.1 | 4.9 | 45 | <0.1 | 10.8 | 7.5 | 233 | 2.27 | 0.9 | <0.5 | 2.7 | 56 | 0.1 | <0.1 | <0.1 | 48 | 0.57 | 0.032 | 19 |
| JT-443 | Soil | 0.3 | 14.9 | 4.3 | 54 | <0.1 | 10.0 | 6.8 | 408 | 1.98 | <0.5 | <0.5 | 1.6 | 58 | 0.1 | <0.1 | <0.1 | 52 | 0.41 | 0.010 | 10 |
| JT-444 | Soil | 0.2 | 34.4 | 5.2 | 72 | 0.1 | 19.3 | 10.5 | 563 | 2.82 | 0.9 | <0.5 | 2.1 | 106 | 0.1 | 0.2 | <0.1 | 59 | 0.83 | 0.026 | 19 |
| JT-445 | 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. |
| JT-446 | Soil | 0.4 | 21.4 | 4.0 | 82 | <0.1 | 12.6 | 7.9 | 482 | 2.19 | 1.3 | <0.5 | 1.5 | 105 | 0.1 | 0.1 | <0.1 | 47 | 0.88 | 0.070 | 11 |
| JT-447 | Soil | 0.3 | 10.4 | 3.0 | 54 | <0.1 | 7.8 | 4.0 | 314 | 1.28 | 0.6 | <0.5 | 0.6 | 59 | <0.1 | <0.1 | <0.1 | 30 | 0.49 | 0.029 | 3 |
| JT-448 | Soil | 0.5 | 38.4 | 4.8 | 54 | <0.1 | 32.0 | 19.6 | 1149 | 3.87 | 2.9 | <0.5 | 1.5 | 93 | 0.2 | 0.1 | <0.1 | 87 | 0.97 | 0.083 | 12 |
| JT-449 | Soil | 0.3 | 24.6 | 3.4 | 55 | <0.1 | 20.2 | 9.4 | 403 | 2.85 | 0.7 | 0.6 | 1.5 | 91 | 0.1 | <0.1 | <0.1 | 78 | 0.65 | 0.028 | 14 |
| JT-450 | Soil | 0.2 | 34.2 | 5.7 | 58 | 0.2 | 31.7 | 13.6 | 868 | 2.88 | 1.1 | <0.5 | 2.4 | 139 | 0.1 | <0.1 | <0.1 | 60 | 1.40 | 0.041 | 23 |
| S-PMS-100 | Rock Pulp | 15.6 | 57.8 | 15.2 | 17 | 0.2 | 15.0 | 2.2 | 100 | 3.52 | 434.2 | 213.5 | 0.6 | 28 | 0.3 | 25.8 | 0.1 | 9 | 0.95 | 0.005 | 2 |
| JT-451 | Soil | 0.5 | 30.8 | 8.0 | 75 | <0.1 | 39.3 | 19.9 | 982 | 2.80 | 2.3 | <0.5 | 1.6 | 240 | 0.2 | 0.2 | <0.1 | 68 | 0.96 | 0.037 | 10 |
| JT-452 | Soil | 0.4 | 32.8 | 4.4 | 68 | <0.1 | 44.6 | 19.5 | 813 | 2.98 | 1.2 | <0.5 | 1.9 | 177 | 0.1 | 0.1 | <0.1 | 74 | 0.74 | 0.027 | 10 |
| JT-453 | Soil | 0.4 | 28.2 | 5.4 | 60 | <0.1 | 19.8 | 15.5 | 1098 | 2.36 | 1.2 | <0.5 | 1.4 | 102 | 0.2 | 0.2 | <0.1 | 66 | 0.80 | 0.054 | 18 |
| JT-454 | Soil | 0.2 | 29.5 | 4.7 | 51 | <0.1 | 18.1 | 10.6 | 659 | 2.47 | 0.8 | 23.6 | 1.4 | 75 | 0.1 | 0.2 | <0.1 | 61 | 3.30 | 0.092 | 16 |
| JT-455 | Soil | 0.3 | 53.2 | 5.3 | 53 | <0.1 | 39.3 | 13.8 | 805 | 3.01 | 1.9 | 14.7 | 2.2 | 94 | 0.2 | 0.2 | 0.1 | 76 | 1.21 | 0.118 | 23 |
| JT-456 | Soil | 0.4 | 37.4 | 4.2 | 65 | <0.1 | 22.0 | 9.9 | 421 | 2.99 | 1.0 | <0.5 | 2.4 | 167 | <0.1 | 0.1 | <0.1 | 60 | 0.88 | 0.031 | 18 |
| JT-457 | Soil | 0.5 | 37.3 | 4.2 | 71 | <0.1 | 25.6 | 9.9 | 456 | 3.18 | 1.3 | 2.1 | 1.8 | 123 | 0.2 | 0.2 | <0.1 | 64 | 0.93 | 0.035 | 15 |
| JT-458 | Soil | 0.4 | 34.9 | 3.8 | 79 | <0.1 | 24.6 | 10.1 | 568 | 2.72 | 1.2 | <0.5 | 1.6 | 137 | <0.1 | 0.1 | <0.1 | 68 | 0.78 | 0.031 | 11 |
| JT-459 | Soil | 0.5 | 32.9 | 4.5 | 92 | <0.1 | 25.7 | 11.6 | 806 | 2.73 | 2.0 | <0.5 | 1.6 | 119 | 0.2 | 0.1 | <0.1 | 64 | 0.79 | 0.041 | 10 |
| JT-460 | Soil | 0.3 | 38.1 | 3.8 | 67 | <0.1 | 30.4 | 13.8 | 703 | 3.20 | 0.6 | <0.5 | 1.9 | 118 | 0.2 | <0.1 | <0.1 | 88 | 0.89 | 0.027 | 14 |
| JT-461 | Soil | 0.2 | 58.8 | 4.3 | 75 | <0.1 | 42.7 | 17.9 | 375 | 4.31 | 2.6 | <0.5 | 2.2 | 236 | <0.1 | <0.1 | <0.1 | 120 | 1.63 | 0.084 | 14 |
| JT-462 | Soil | 0.8 | 34.8 | 5.0 | 100 | <0.1 | 28.4 | 12.0 | 820 | 2.99 | 1.0 | <0.5 | 1.6 | 71 | 0.2 | 0.1 | <0.1 | 59 | 0.65 | 0.033 | 10 |
| JT-463 | Soil | 0.3 | 36.0 | 4.0 | 67 | <0.1 | 24.5 | 10.9 | 490 | 3.33 | 1.1 | <0.5 | 1.7 | 80 | 0.1 | 0.1 | <0.1 | 70 | 0.61 | 0.030 | 12 |
| JT-464 | Soil | 0.5 | 39.2 | 3.9 | 92 | 0.1 | 28.6 | 13.5 | 647 | 3.37 | 1.1 | <0.5 | 1.2 | 75 | 0.1 | 0.1 | <0.1 | 77 | 0.60 | 0.041 | 10 |
| JT-465 | Soil | 0.8 | 23.8 | 3.4 | 89 | <0.1 | 24.9 | 9.7 | 642 | 2.30 | 1.0 | <0.5 | 0.9 | 44 | 0.2 | <0.1 | <0.1 | 47 | 0.44 | 0.031 | 5 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 10 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method Analyte | Unit | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| MDL | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT-437 | Soil | 27 | 0.53 | 186 | 0.088 | 4 | 1.86 | 0.035 | 0.34 | <0.1 | 0.02 | 4.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT-438 | Soil | 21 | 0.53 | 93 | 0.138 | 4 | 2.07 | 0.024 | 0.27 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-439 | Soil | 16 | 0.32 | 77 | 0.148 | 2 | 1.37 | 0.037 | 0.18 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT-440 | Soil | 21 | 0.50 | 115 | 0.126 | 2 | 1.86 | 0.032 | 0.27 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-441 | Soil | 31 | 0.49 | 147 | 0.126 | 2 | 2.43 | 0.028 | 0.18 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-442 | Soil | 14 | 0.46 | 77 | 0.083 | 1 | 2.07 | 0.053 | 0.09 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-443 | Soil | 15 | 0.29 | 74 | 0.110 | 2 | 1.31 | 0.025 | 0.15 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT-444 | Soil | 23 | 0.63 | 110 | 0.093 | 3 | 2.33 | 0.024 | 0.21 | <0.1 | 0.04 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-445 | 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. |
| JT-446 | Soil | 18 | 0.43 | 119 | 0.101 | 8 | 2.11 | 0.020 | 0.27 | <0.1 | 0.06 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-447 | Soil | 11 | 0.24 | 86 | 0.083 | 7 | 1.14 | 0.020 | 0.22 | <0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| JT-448 | Soil | 23 | 0.43 | 77 | 0.088 | 2 | 2.52 | 0.092 | 0.13 | <0.1 | 0.04 | 9.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-449 | Soil | 24 | 0.40 | 94 | 0.101 | 4 | 2.07 | 0.067 | 0.19 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-450 | Soil | 26 | 0.69 | 143 | 0.017 | 5 | 3.37 | 0.015 | 0.38 | <0.1 | 0.41 | 9.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| S-PMS-100 | Rock Pulp | 21 | 0.02 | 1364 | 0.009 | <1 | 0.14 | 0.007 | 0.06 | 3.2 | 2.66 | 0.7 | 9.7 | 0.09 | <1 | 1.5 | <0.2 |
| JT-451 | Soil | 43 | 0.62 | 227 | 0.098 | 5 | 2.21 | 0.027 | 0.32 | <0.1 | 0.04 | 6.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-452 | Soil | 37 | 0.99 | 130 | 0.162 | 2 | 2.42 | 0.072 | 0.21 | <0.1 | 0.07 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-453 | Soil | 21 | 0.62 | 129 | 0.057 | 4 | 2.09 | 0.125 | 0.19 | <0.1 | 0.04 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-454 | Soil | 17 | 0.79 | 57 | 0.009 | 5 | 2.77 | 0.139 | 0.17 | <0.1 | 0.04 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-455 | Soil | 27 | 1.01 | 83 | 0.020 | 8 | 3.01 | 0.169 | 0.13 | <0.1 | 0.12 | 10.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-456 | Soil | 23 | 0.74 | 188 | 0.104 | 7 | 2.52 | 0.045 | 0.18 | <0.1 | 0.01 | 9.1 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| JT-457 | Soil | 34 | 0.64 | 123 | 0.103 | 8 | 2.61 | 0.041 | 0.21 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-458 | Soil | 32 | 0.54 | 122 | 0.125 | 6 | 2.35 | 0.042 | 0.22 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| JT-459 | Soil | 32 | 0.61 | 130 | 0.139 | 7 | 2.32 | 0.038 | 0.32 | <0.1 | 0.03 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-460 | Soil | 30 | 0.78 | 77 | 0.199 | 3 | 2.38 | 0.075 | 0.20 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| JT-461 | Soil | 39 | 1.03 | 135 | 0.169 | 7 | 3.18 | 0.100 | 0.11 | <0.1 | 0.02 | 16.2 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT-462 | Soil | 33 | 0.62 | 131 | 0.144 | 6 | 2.66 | 0.030 | 0.31 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-463 | Soil | 32 | 0.66 | 105 | 0.151 | 3 | 2.51 | 0.035 | 0.25 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-464 | Soil | 33 | 0.70 | 112 | 0.137 | 4 | 2.08 | 0.035 | 0.27 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| JT-465 | Soil | 26 | 0.57 | 86 | 0.127 | 4 | 1.80 | 0.029 | 0.14 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 11 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT-466 | Soil | 0.4 | 35.0 | 3.2 | 63 | <0.1 | 53.6 | 16.3 | 586 | 3.69 | <0.5 | <0.5 | 1.3 | 54 | <0.1 | <0.1 | <0.1 | 68 | 0.56 | 0.041 | 13 |
| JT-467 | Soil | 0.3 | 30.1 | 4.1 | 85 | <0.1 | 33.2 | 11.7 | 682 | 2.69 | 1.0 | <0.5 | 1.4 | 74 | <0.1 | <0.1 | <0.1 | 54 | 0.75 | 0.027 | 11 |
| JT-468 | Soil | 0.1 | 42.6 | 4.5 | 58 | <0.1 | 37.9 | 13.5 | 421 | 3.63 | 1.0 | <0.5 | 2.7 | 69 | 0.1 | <0.1 | <0.1 | 78 | 0.70 | 0.031 | 15 |
| JT-469 | Soil | 0.4 | 35.0 | 5.2 | 74 | <0.1 | 30.1 | 14.3 | 718 | 3.32 | 2.2 | <0.5 | 1.8 | 108 | 0.1 | 0.2 | <0.1 | 73 | 0.69 | 0.036 | 12 |
| JT-470 | Soil | 0.5 | 27.9 | 4.2 | 94 | <0.1 | 22.1 | 9.1 | 872 | 2.30 | 2.2 | 0.8 | 1.4 | 75 | 0.2 | 0.2 | <0.1 | 54 | 0.71 | 0.044 | 8 |
| JT-471 | Soil | 0.5 | 29.9 | 3.8 | 66 | <0.1 | 25.7 | 10.8 | 554 | 2.72 | 2.2 | 1.2 | 1.9 | 108 | 0.1 | 0.2 | <0.1 | 67 | 0.76 | 0.032 | 14 |
| JT-472 | Soil | 0.4 | 31.8 | 4.4 | 71 | <0.1 | 29.8 | 11.5 | 682 | 2.84 | 1.5 | 1.5 | 1.9 | 102 | 0.1 | 0.2 | <0.1 | 63 | 0.80 | 0.037 | 14 |
| JT-473 | Soil | 0.4 | 29.3 | 4.1 | 91 | 0.1 | 23.1 | 9.9 | 594 | 2.73 | 1.7 | 10.8 | 1.7 | 102 | 0.1 | 0.2 | <0.1 | 62 | 0.78 | 0.030 | 13 |
| JT-474 | Soil | 0.4 | 24.0 | 4.3 | 73 | <0.1 | 21.6 | 10.1 | 431 | 2.81 | 0.8 | 1.1 | 1.6 | 64 | <0.1 | 0.1 | <0.1 | 55 | 0.75 | 0.037 | 10 |
| JT-475 | Soil | 0.6 | 34.7 | 6.0 | 76 | <0.1 | 30.8 | 13.7 | 559 | 3.32 | 2.6 | 1.5 | 1.3 | 62 | <0.1 | 0.2 | <0.1 | 67 | 1.08 | 0.088 | 11 |
| JT-476 | Soil | 0.8 | 39.8 | 5.9 | 80 | <0.1 | 27.9 | 13.0 | 706 | 3.35 | 4.4 | 0.5 | 1.8 | 117 | 0.2 | 0.3 | <0.1 | 82 | 0.91 | 0.089 | 13 |
| JT-477 | Soil | 0.6 | 39.1 | 6.1 | 87 | <0.1 | 28.6 | 12.9 | 771 | 3.24 | 3.2 | 1.4 | 1.8 | 91 | 0.2 | 0.2 | 0.1 | 75 | 0.85 | 0.090 | 11 |
| JT-478 | Soil | 0.5 | 38.8 | 10.5 | 108 | <0.1 | 30.8 | 18.1 | 918 | 3.60 | 2.0 | <0.5 | 1.5 | 69 | 0.1 | 0.3 | <0.1 | 69 | 0.94 | 0.044 | 10 |
| JT-479 | Soil | 0.8 | 14.6 | 3.2 | 123 | <0.1 | 12.4 | 5.4 | 615 | 1.61 | 1.0 | 1.5 | 0.7 | 51 | <0.1 | <0.1 | <0.1 | 36 | 0.55 | 0.056 | 4 |
| JT-480 | Soil | 0.4 | 38.3 | 5.7 | 60 | <0.1 | 28.4 | 14.7 | 675 | 2.76 | 1.7 | 1.4 | 2.1 | 97 | <0.1 | 0.2 | <0.1 | 72 | 0.62 | 0.026 | 16 |
| JT-481 | Soil | 0.7 | 50.4 | 6.1 | 86 | <0.1 | 22.5 | 17.4 | 865 | 4.01 | 2.6 | <0.5 | 2.3 | 85 | 0.2 | 0.2 | <0.1 | 101 | 0.87 | 0.073 | 15 |
| JT-482 | Soil | 0.3 | 28.1 | 4.9 | 69 | <0.1 | 12.2 | 10.2 | 516 | 2.70 | 1.0 | <0.5 | 2.5 | 82 | 0.1 | <0.1 | <0.1 | 69 | 0.73 | 0.035 | 13 |
| JT-483 | Soil | 0.4 | 26.0 | 3.8 | 102 | <0.1 | 16.7 | 7.2 | 901 | 2.11 | 1.7 | <0.5 | 1.1 | 93 | 0.2 | 0.1 | <0.1 | 46 | 1.16 | 0.104 | 8 |
| JT-484 | Soil | 0.7 | 37.2 | 6.2 | 73 | <0.1 | 30.9 | 16.1 | 844 | 3.48 | 2.1 | <0.5 | 2.1 | 120 | 0.2 | 0.1 | <0.1 | 75 | 0.92 | 0.029 | 13 |
| JT-485 | Soil | 0.7 | 35.7 | 5.7 | 77 | <0.1 | 30.3 | 16.0 | 897 | 3.47 | 3.1 | <0.5 | 1.4 | 88 | 0.2 | 0.2 | <0.1 | 82 | 0.90 | 0.077 | 9 |
| JT-486 | Soil | 0.6 | 44.4 | 5.4 | 77 | <0.1 | 27.8 | 10.9 | 589 | 3.42 | 3.9 | 0.7 | 1.3 | 105 | 0.1 | 0.2 | <0.1 | 78 | 1.16 | 0.095 | 12 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 05, 2013

Page: 11 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT-466 | Soil | 39 | 1.23 | 60 | 0.171 | 7 | 1.91 | 0.046 | 0.22 | <0.1 | 0.01 | 10.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-467 | Soil | 28 | 0.70 | 100 | 0.150 | 6 | 2.02 | 0.035 | 0.23 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-468 | Soil | 29 | 1.11 | 93 | 0.204 | 2 | 2.53 | 0.046 | 0.16 | <0.1 | 0.01 | 11.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-469 | Soil | 36 | 0.72 | 164 | 0.140 | 4 | 2.80 | 0.034 | 0.22 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 7 | 0.7 | <0.2 |
| JT-470 | Soil | 28 | 0.56 | 138 | 0.113 | 5 | 2.28 | 0.028 | 0.19 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-471 | Soil | 36 | 0.70 | 142 | 0.131 | 3 | 2.35 | 0.038 | 0.26 | <0.1 | 0.03 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-472 | Soil | 39 | 0.72 | 153 | 0.114 | 4 | 2.72 | 0.043 | 0.18 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| JT-473 | Soil | 34 | 0.57 | 144 | 0.110 | 4 | 2.74 | 0.037 | 0.19 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-474 | Soil | 26 | 0.57 | 109 | 0.106 | 10 | 2.59 | 0.022 | 0.31 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-475 | Soil | 31 | 1.00 | 102 | 0.083 | 3 | 3.08 | 0.039 | 0.11 | <0.1 | 0.05 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-476 | Soil | 40 | 0.73 | 149 | 0.138 | 1 | 3.54 | 0.027 | 0.22 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT-477 | Soil | 34 | 0.71 | 184 | 0.126 | <1 | 4.10 | 0.021 | 0.18 | <0.1 | 0.03 | 8.0 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT-478 | Soil | 23 | 1.08 | 105 | 0.089 | 4 | 2.52 | 0.022 | 0.26 | 0.1 | 0.04 | 7.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-479 | Soil | 14 | 0.34 | 131 | 0.088 | 6 | 1.57 | 0.022 | 0.23 | <0.1 | 0.03 | 3.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT-480 | Soil | 35 | 0.64 | 129 | 0.134 | 3 | 2.60 | 0.028 | 0.21 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-481 | Soil | 24 | 0.74 | 107 | 0.159 | 3 | 2.41 | 0.036 | 0.23 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| JT-482 | Soil | 15 | 0.39 | 99 | 0.159 | 10 | 1.74 | 0.035 | 0.32 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-483 | Soil | 20 | 0.46 | 212 | 0.070 | 9 | 1.90 | 0.023 | 0.25 | <0.1 | 0.05 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT-484 | Soil | 41 | 0.73 | 167 | 0.117 | 2 | 3.79 | 0.026 | 0.29 | <0.1 | 0.03 | 9.9 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT-485 | Soil | 35 | 0.81 | 154 | 0.105 | 1 | 4.07 | 0.022 | 0.17 | <0.1 | 0.03 | 8.6 | <0.1 | <0.05 | 10 | <0.5 | <0.2 |
| JT-486 | Soil | 40 | 0.69 | 165 | 0.085 | 2 | 4.09 | 0.027 | 0.22 | <0.1 | 0.03 | 10.1 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001690.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| EH-357 | Soil | 0.4 | 50.4 | 4.3 | 72 | <0.1 | 30.1 | 15.5 | 679 | 3.90 | 3.6 | 2.2 | 1.8 | 117 | 0.2 | 0.2 | <0.1 | 99 | 1.49 | 0.094 | 13 |
| REP EH-357 | QC | 0.4 | 49.9 | 4.4 | 71 | <0.1 | 32.5 | 15.5 | 683 | 4.02 | 4.3 | 1.1 | 1.9 | 119 | <0.1 | 0.2 | <0.1 | 101 | 1.54 | 0.093 | 14 |
| EH-393 | Soil | 0.5 | 25.0 | 4.9 | 68 | <0.1 | 20.0 | 9.2 | 633 | 2.27 | 1.9 | <0.5 | 1.7 | 155 | <0.1 | 0.2 | <0.1 | 58 | 0.62 | 0.032 | 13 |
| REP EH-393 | QC | 0.3 | 26.4 | 4.8 | 71 | <0.1 | 23.7 | 9.7 | 644 | 2.39 | 1.5 | 1.7 | 1.7 | 157 | 0.1 | 0.1 | <0.1 | 59 | 0.63 | 0.034 | 13 |
| EH-428 | Soil | 0.3 | 32.1 | 4.2 | 81 | <0.1 | 24.8 | 10.5 | 692 | 2.68 | 1.8 | 1.7 | 1.8 | 71 | 0.1 | <0.1 | <0.1 | 55 | 0.69 | 0.035 | 8 |
| REP EH-428 | QC | 0.4 | 31.6 | 4.2 | 77 | <0.1 | 25.6 | 10.6 | 686 | 2.68 | 1.6 | <0.5 | 1.8 | 69 | 0.1 | <0.1 | <0.1 | 54 | 0.69 | 0.033 | 8 |
| EH-463 | Soil | 0.3 | 31.0 | 4.6 | 65 | <0.1 | 24.6 | 9.8 | 480 | 2.45 | 1.0 | 1.1 | 1.9 | 85 | 0.1 | 0.1 | <0.1 | 49 | 0.61 | 0.034 | 11 |
| REP EH-463 | QC | 0.5 | 32.1 | 4.7 | 71 | <0.1 | 23.3 | 10.2 | 501 | 2.61 | 1.1 | 1.5 | 1.9 | 88 | 0.1 | 0.1 | <0.1 | 54 | 0.63 | 0.031 | 11 |
| JT-353 | Soil | 0.7 | 40.5 | 4.9 | 91 | 0.1 | 25.6 | 16.5 | 1321 | 3.27 | 5.4 | 2.7 | 0.6 | 93 | 0.1 | 0.2 | <0.1 | 66 | 1.19 | 0.170 | 11 |
| REP JT-353 | QC | 0.6 | 40.1 | 5.1 | 90 | 0.1 | 24.5 | 16.5 | 1310 | 3.30 | 5.3 | 3.8 | 0.6 | 95 | 0.2 | 0.2 | <0.1 | 65 | 1.16 | 0.162 | 11 |
| JT-389 | Soil | 0.7 | 33.4 | 5.0 | 76 | <0.1 | 24.0 | 9.9 | 582 | 2.53 | 3.1 | 0.6 | 1.4 | 78 | <0.1 | 0.2 | <0.1 | 55 | 0.76 | 0.049 | 7 |
| REP JT-389 | QC | 0.6 | 35.2 | 5.1 | 77 | <0.1 | 23.5 | 10.1 | 596 | 2.57 | 3.6 | <0.5 | 1.5 | 83 | 0.2 | 0.2 | 0.1 | 57 | 0.81 | 0.051 | 8 |
| JT-443 | Soil | 0.3 | 14.9 | 4.3 | 54 | <0.1 | 10.0 | 6.8 | 408 | 1.98 | <0.5 | <0.5 | 1.6 | 58 | 0.1 | <0.1 | <0.1 | 52 | 0.41 | 0.010 | 10 |
| REP JT-443 | QC | 0.3 | 14.7 | 4.5 | 54 | <0.1 | 10.6 | 6.9 | 409 | 1.96 | <0.5 | <0.5 | 1.6 | 57 | <0.1 | <0.1 | <0.1 | 52 | 0.41 | 0.011 | 10 |
| JT-479 | Soil | 0.8 | 14.6 | 3.2 | 123 | <0.1 | 12.4 | 5.4 | 615 | 1.61 | 1.0 | 1.5 | 0.7 | 51 | <0.1 | <0.1 | <0.1 | 36 | 0.55 | 0.056 | 4 |
| REP JT-479 | QC | 0.6 | 14.8 | 3.2 | 126 | <0.1 | 13.1 | 5.5 | 617 | 1.63 | 1.0 | <0.5 | 0.7 | 52 | <0.1 | <0.1 | <0.1 | 36 | 0.53 | 0.058 | 4 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 15.2 | 157.3 | 148.8 | 346 | 1.9 | 74.9 | 13.3 | 856 | 2.77 | 44.5 | 77.3 | 7.5 | 69 | 2.4 | 10.0 | 11.6 | 46 | 1.02 | 0.074 | 17 |
| STD DS10 | Standard | 15.1 | 155.2 | 152.6 | 356 | 1.9 | 77.3 | 13.5 | 876 | 2.87 | 45.3 | 79.6 | 7.7 | 70 | 2.8 | 10.1 | 11.8 | 45 | 1.04 | 0.076 | 17 |
| STD DS10 | Standard | 15.6 | 168.9 | 157.2 | 375 | 2.0 | 79.8 | 13.7 | 926 | 2.97 | 47.6 | 91.1 | 7.9 | 74 | 2.6 | 11.0 | 12.6 | 48 | 1.12 | 0.078 | 19 |
| STD DS10 | Standard | 13.1 | 142.7 | 131.4 | 346 | 1.9 | 68.6 | 11.6 | 825 | 2.63 | 43.0 | 78.9 | 6.4 | 67 | 2.6 | 9.6 | 11.6 | 43 | 0.97 | 0.072 | 17 |
| STD DS10 | Standard | 14.8 | 150.0 | 161.5 | 354 | 2.0 | 74.3 | 12.5 | 856 | 2.83 | 44.5 | 95.9 | 8.1 | 68 | 2.9 | 9.8 | 13.2 | 46 | 1.04 | 0.076 | 18 |
| STD DS10 | Standard | 14.4 | 148.5 | 150.9 | 351 | 1.9 | 73.4 | 12.7 | 886 | 2.86 | 43.4 | 82.6 | 7.3 | 69 | 2.5 | 10.0 | 12.6 | 42 | 1.02 | 0.077 | 17 |
| STD DS10 | Standard | 13.7 | 148.3 | 153.7 | 346 | 2.0 | 73.3 | 11.9 | 854 | 2.72 | 43.7 | 97.5 | 7.7 | 70 | 2.7 | 10.1 | 12.3 | 43 | 1.00 | 0.074 | 17 |
| STD DS10 | Standard | 15.7 | 158.1 | 147.2 | 368 | 2.0 | 76.6 | 13.1 | 895 | 2.85 | 47.1 | 83.6 | 7.5 | 71 | 2.5 | 9.3 | 12.3 | 47 | 1.08 | 0.073 | 18 |
| STD DS9 | Standard | 14.0 | 110.0 | 128.5 | 307 | 1.8 | 41.3 | 7.6 | 573 | 2.37 | 25.8 | 117.7 | 6.7 | 74 | 2.2 | 6.0 | 6.6 | 42 | 0.72 | 0.083 | 14 |
| STD DS9 | Standard | 13.8 | 112.2 | 131.2 | 318 | 1.6 | 41.3 | 7.8 | 586 | 2.41 | 26.2 | 119.7 | 6.7 | 76 | 2.3 | 6.3 | 6.6 | 42 | 0.70 | 0.085 | 14 |
| STD DS9 | Standard | 13.9 | 112.1 | 129.0 | 303 | 1.6 | 40.8 | 7.8 | 603 | 2.37 | 26.4 | 106.0 | 6.9 | 81 | 2.5 | 6.1 | 6.6 | 43 | 0.75 | 0.082 | 16 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 1 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001690.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| EH-357 | Soil | 30 | 0.94 | 89 | 0.086 | 9 | 2.96 | 0.036 | 0.25 | <0.1 | 0.22 | 10.7 | <0.1 | 0.05 | 8 | 0.8 | <0.2 |
| REP EH-357 | QC | 31 | 0.92 | 93 | 0.085 | 12 | 2.93 | 0.035 | 0.26 | <0.1 | 0.21 | 11.5 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH-393 | Soil | 25 | 0.42 | 183 | 0.108 | 3 | 1.93 | 0.025 | 0.20 | <0.1 | 0.04 | 6.0 | <0.1 | 0.05 | 5 | <0.5 | <0.2 |
| REP EH-393 | QC | 27 | 0.44 | 186 | 0.116 | 4 | 2.09 | 0.026 | 0.21 | <0.1 | 0.03 | 6.4 | <0.1 | 0.10 | 6 | 0.7 | <0.2 |
| EH-428 | Soil | 33 | 0.71 | 132 | 0.111 | 7 | 2.53 | 0.025 | 0.25 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH-428 | QC | 33 | 0.71 | 130 | 0.112 | 7 | 2.54 | 0.026 | 0.23 | <0.1 | 0.01 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH-463 | Soil | 27 | 0.60 | 140 | 0.118 | 8 | 2.05 | 0.025 | 0.40 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP EH-463 | QC | 29 | 0.64 | 140 | 0.130 | 8 | 2.16 | 0.027 | 0.42 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT-353 | Soil | 26 | 0.90 | 150 | 0.059 | 2 | 3.53 | 0.024 | 0.17 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| REP JT-353 | QC | 26 | 0.84 | 147 | 0.058 | 3 | 3.47 | 0.024 | 0.17 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT-389 | Soil | 28 | 0.51 | 179 | 0.109 | 8 | 2.59 | 0.020 | 0.12 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT-389 | QC | 29 | 0.52 | 187 | 0.114 | 4 | 2.63 | 0.020 | 0.12 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT-443 | Soil | 15 | 0.29 | 74 | 0.110 | 2 | 1.31 | 0.025 | 0.15 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP JT-443 | QC | 15 | 0.30 | 75 | 0.111 | 2 | 1.30 | 0.025 | 0.15 | <0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT-479 | Soil | 14 | 0.34 | 131 | 0.088 | 6 | 1.57 | 0.022 | 0.23 | <0.1 | 0.03 | 3.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP JT-479 | QC | 15 | 0.33 | 131 | 0.086 | 2 | 1.56 | 0.021 | 0.23 | <0.1 | 0.03 | 3.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 56 | 0.77 | 352 | 0.081 | 7 | 1.02 | 0.059 | 0.32 | 3.2 | 0.31 | 2.9 | 4.9 | 0.35 | 4 | 2.6 | 5.1 |
| STD DS10 | Standard | 56 | 0.81 | 365 | 0.081 | 9 | 1.06 | 0.059 | 0.32 | 3.7 | 0.31 | 3.1 | 4.7 | 0.35 | 4 | 2.8 | 5.3 |
| STD DS10 | Standard | 59 | 0.84 | 394 | 0.090 | 7 | 1.15 | 0.065 | 0.34 | 3.5 | 0.32 | 3.5 | 4.9 | 0.41 | 5 | 3.5 | 5.5 |
| STD DS10 | Standard | 53 | 0.75 | 348 | 0.079 | 6 | 1.01 | 0.071 | 0.33 | 3.5 | 0.27 | 2.7 | 4.7 | 0.24 | 4 | 1.4 | 4.9 |
| STD DS10 | Standard | 57 | 0.77 | 367 | 0.081 | 7 | 1.04 | 0.057 | 0.33 | 3.2 | 0.31 | 2.7 | 5.1 | 0.20 | 4 | 2.3 | 5.5 |
| STD DS10 | Standard | 52 | 0.79 | 373 | 0.077 | 6 | 1.06 | 0.055 | 0.31 | 3.5 | 0.29 | 2.9 | 4.9 | 0.21 | 4 | 3.0 | 5.1 |
| STD DS10 | Standard | 53 | 0.80 | 378 | 0.081 | 7 | 1.04 | 0.055 | 0.32 | 3.2 | 0.32 | 2.8 | 4.8 | 0.22 | 4 | 2.2 | 5.6 |
| STD DS10 | Standard | 57 | 0.80 | 362 | 0.082 | 7 | 1.07 | 0.064 | 0.33 | 3.5 | 0.30 | 3.1 | 5.0 | 0.25 | 4 | 3.0 | 5.1 |
| STD DS9 | Standard | 125 | 0.59 | 310 | 0.118 | 2 | 0.95 | 0.075 | 0.38 | 3.1 | 0.21 | 2.4 | 5.2 | 0.20 | 5 | 4.7 | 5.1 |
| STD DS9 | Standard | 122 | 0.65 | 304 | 0.117 | 3 | 1.00 | 0.078 | 0.38 | 3.2 | 0.22 | 2.7 | 5.1 | 0.29 | 5 | 6.2 | 4.2 |
| STD DS9 | Standard | 124 | 0.65 | 315 | 0.124 | 4 | 1.00 | 0.082 | 0.38 | 3.1 | 0.17 | 3.0 | 5.1 | 0.21 | 5 | 4.5 | 5.4 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 05, 2013

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001690.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppb | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | | 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 | 1 |
| STD DS9 | Standard | 11.2 | 99.3 | 114.3 | 300 | 1.7 | 37.3 | 7.0 | 544 | 2.22 | 24.6 | 106.4 | 5.6 | 75 | 2.4 | 6.0 | 6.5 | 38 | 0.66 | 0.078 | 13 |
| STD DS9 | Standard | 13.4 | 107.7 | 132.0 | 321 | 1.9 | 40.9 | 7.7 | 596 | 2.40 | 26.4 | 119.9 | 6.8 | 79 | 2.3 | 6.0 | 7.3 | 41 | 0.72 | 0.085 | 15 |
| STD DS9 | Standard | 12.2 | 102.4 | 129.2 | 305 | 1.8 | 38.7 | 7.0 | 569 | 2.32 | 23.7 | 115.1 | 6.5 | 72 | 2.2 | 6.1 | 7.0 | 38 | 0.69 | 0.084 | 13 |
| STD DS9 | Standard | 13.6 | 109.0 | 134.4 | 326 | 1.8 | 41.8 | 7.7 | 593 | 2.40 | 25.7 | 120.0 | 7.0 | 78 | 2.7 | 6.4 | 7.4 | 42 | 0.74 | 0.087 | 15 |
| STD DS9 | Standard | 14.0 | 110.0 | 129.4 | 320 | 2.0 | 41.6 | 7.9 | 590 | 2.43 | 26.2 | 117.4 | 7.1 | 76 | 2.3 | 6.0 | 6.9 | 45 | 0.74 | 0.084 | 15 |
| 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 | 13.3 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | 0.01 | 0.6 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 05, 2013

Page: 2 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001690.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|------------------|----------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | 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 |
| STD DS9 | Standard | 113 | 0.58 | 287 | 0.105 | 3 | 0.90 | 0.090 | 0.40 | 2.9 | 0.19 | 2.7 | 4.9 | 0.11 | 4 | 5.3 | 4.9 |
| STD DS9 | Standard | 120 | 0.63 | 318 | 0.117 | 2 | 0.98 | 0.075 | 0.39 | 3.1 | 0.19 | 2.7 | 5.4 | 0.08 | 5 | 5.4 | 4.8 |
| STD DS9 | Standard | 112 | 0.63 | 305 | 0.106 | 4 | 0.94 | 0.069 | 0.38 | 2.9 | 0.21 | 2.4 | 4.9 | 0.07 | 4 | 4.6 | 4.9 |
| STD DS9 | Standard | 122 | 0.66 | 325 | 0.120 | 3 | 0.97 | 0.074 | 0.39 | 3.2 | 0.23 | 2.6 | 5.3 | 0.10 | 5 | 5.2 | 5.4 |
| STD DS9 | Standard | 128 | 0.64 | 309 | 0.124 | 3 | 1.02 | 0.083 | 0.40 | 3.2 | 0.20 | 2.6 | 5.4 | 0.10 | 5 | 6.6 | 5.6 |
| STD DS9 Expected | | 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 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | 0.1 | <0.1 | 0.07 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | 0.06 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | 0.09 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <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 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: June 10, 2013
Report Date: June 18, 2013
Page: 1 of 10

CERTIFICATE OF ANALYSIS

VAN13001954.1

CLIENT JOB INFORMATION

Project: GP-13
Shipment ID:
P.O. Number
Number of Samples: 255

SAMPLE DISPOSAL

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

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

Invoice To: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| Dry at 60C | 253 | Dry at 60C | | | VAN |
| SS80 | 248 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| 1DX2 | 253 | 1:1:1 Aqua Regia digestion 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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 2 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 501 | Soil | 0.4 | 35.7 | 4.4 | 87 | <0.1 | 26.7 | 10.8 | 579 | 3.08 | 0.9 | <0.5 | <0.1 | 113 | 0.1 | 0.1 | 0.2 | 68 | 0.81 | 0.034 | 14 |
| EH 502 | Soil | 0.5 | 39.0 | 5.2 | 66 | <0.1 | 32.2 | 13.5 | 508 | 3.24 | 1.6 | 3.6 | <0.1 | 136 | 0.2 | 0.3 | 0.1 | 70 | 0.72 | 0.036 | 17 |
| EH 503 | Soil | 0.6 | 23.1 | 5.3 | 62 | <0.1 | 22.0 | 10.8 | 788 | 2.54 | 1.2 | <0.5 | <0.1 | 97 | 0.1 | 0.2 | 0.3 | 57 | 0.61 | 0.021 | 10 |
| EH 504 | Soil | 0.4 | 28.0 | 4.5 | 70 | <0.1 | 25.6 | 11.9 | 771 | 2.64 | 0.9 | 1.1 | <0.1 | 91 | <0.1 | 0.1 | 0.1 | 59 | 0.64 | 0.027 | 13 |
| EH 505 | Soil | 0.5 | 27.9 | 4.5 | 82 | <0.1 | 21.9 | 10.5 | 925 | 2.40 | 1.2 | 0.7 | <0.1 | 86 | <0.1 | 0.2 | 0.1 | 47 | 0.65 | 0.032 | 10 |
| EH 506 | Soil | 0.5 | 32.7 | 4.1 | 75 | <0.1 | 40.9 | 15.8 | 868 | 2.95 | 1.0 | 1.7 | <0.1 | 89 | 0.1 | 0.1 | <0.1 | 60 | 0.69 | 0.035 | 13 |
| EH 507 | Soil | 0.3 | 28.6 | 3.6 | 73 | <0.1 | 38.7 | 14.2 | 658 | 3.00 | 0.6 | <0.5 | <0.1 | 71 | <0.1 | <0.1 | <0.1 | 59 | 0.59 | 0.028 | 13 |
| EH 508 | Soil | 0.3 | 30.8 | 3.3 | 84 | <0.1 | 40.5 | 15.7 | 657 | 3.35 | 0.6 | 1.5 | <0.1 | 75 | 0.1 | <0.1 | <0.1 | 67 | 0.63 | 0.045 | 15 |
| EH 509 | Soil | 0.8 | 27.3 | 4.2 | 78 | <0.1 | 22.2 | 8.9 | 639 | 2.33 | 1.4 | 0.7 | <0.1 | 79 | <0.1 | 0.1 | <0.1 | 51 | 0.70 | 0.038 | 8 |
| EH 510 | Soil | 0.4 | 29.2 | 4.1 | 82 | <0.1 | 22.9 | 9.7 | 672 | 2.44 | 1.4 | <0.5 | <0.1 | 100 | 0.1 | 0.1 | <0.1 | 52 | 0.77 | 0.032 | 11 |
| EH 511 | Soil | 0.5 | 31.3 | 4.8 | 72 | <0.1 | 26.1 | 12.1 | 626 | 2.67 | 1.5 | <0.5 | <0.1 | 105 | 0.1 | 0.1 | <0.1 | 61 | 0.67 | 0.036 | 13 |
| EH 512 | Soil | 0.3 | 31.4 | 4.5 | 62 | <0.1 | 28.4 | 11.9 | 533 | 2.97 | 1.3 | <0.5 | <0.1 | 110 | 0.1 | 0.2 | <0.1 | 69 | 0.72 | 0.032 | 15 |
| EH 513 | Soil | 0.6 | 21.3 | 4.2 | 84 | <0.1 | 19.8 | 8.9 | 829 | 2.27 | 1.1 | <0.5 | <0.1 | 92 | 0.1 | 0.1 | <0.1 | 52 | 0.60 | 0.025 | 7 |
| EH 514 | Soil | 0.3 | 44.0 | 4.2 | 77 | <0.1 | 23.9 | 14.1 | 592 | 3.55 | 1.0 | <0.5 | <0.1 | 118 | 0.1 | <0.1 | <0.1 | 87 | 0.77 | 0.043 | 17 |
| EH 515 | Soil | 0.4 | 21.3 | 4.6 | 84 | <0.1 | 15.9 | 7.8 | 517 | 2.20 | 1.2 | <0.5 | <0.1 | 78 | <0.1 | <0.1 | <0.1 | 53 | 0.52 | 0.029 | 6 |
| EH 516 | Soil | 0.3 | 23.6 | 6.3 | 82 | <0.1 | 20.5 | 11.3 | 796 | 2.72 | 0.8 | <0.5 | <0.1 | 106 | 0.1 | <0.1 | <0.1 | 66 | 0.61 | 0.025 | 14 |
| EH 517 | Soil | 0.5 | 45.0 | 5.0 | 61 | <0.1 | 38.5 | 14.7 | 443 | 3.42 | 2.9 | 2.0 | <0.1 | 115 | 0.2 | 0.2 | <0.1 | 84 | 0.83 | 0.064 | 14 |
| EH 518 | Soil | 0.5 | 39.1 | 5.5 | 63 | <0.1 | 31.2 | 12.9 | 413 | 3.16 | 2.6 | 0.9 | <0.1 | 113 | 0.2 | 0.2 | <0.1 | 73 | 0.76 | 0.032 | 15 |
| EH 519 | Soil | 0.3 | 21.6 | 5.3 | 49 | <0.1 | 16.0 | 8.9 | 475 | 2.42 | 1.0 | <0.5 | <0.1 | 66 | 0.2 | 0.1 | <0.1 | 52 | 0.61 | 0.028 | 12 |
| EH 520 | Soil | 0.4 | 24.1 | 5.0 | 92 | <0.1 | 18.3 | 8.9 | 682 | 2.38 | 0.9 | <0.5 | <0.1 | 78 | <0.1 | <0.1 | <0.1 | 50 | 0.65 | 0.028 | 11 |
| EH 521 | Soil | 0.4 | 14.4 | 3.9 | 71 | <0.1 | 11.4 | 5.3 | 471 | 1.51 | 0.8 | <0.5 | <0.1 | 47 | <0.1 | <0.1 | <0.1 | 37 | 0.34 | 0.027 | 3 |
| EH 522 | Soil | 0.6 | 23.0 | 4.3 | 75 | <0.1 | 18.8 | 8.4 | 643 | 2.25 | 0.7 | <0.5 | <0.1 | 86 | 0.1 | 0.1 | <0.1 | 62 | 0.46 | 0.018 | 7 |
| EH 523 | Soil | 0.5 | 20.7 | 4.2 | 67 | <0.1 | 18.3 | 8.5 | 578 | 2.15 | 0.7 | <0.5 | <0.1 | 105 | 0.1 | 0.1 | <0.1 | 56 | 0.45 | 0.021 | 7 |
| EH 524 | Soil | 0.6 | 22.0 | 3.8 | 103 | <0.1 | 19.5 | 8.8 | 782 | 2.24 | 1.0 | <0.5 | <0.1 | 63 | 0.1 | <0.1 | <0.1 | 49 | 0.60 | 0.033 | 5 |
| EH 525 | Soil | 0.6 | 21.8 | 3.5 | 109 | <0.1 | 19.2 | 8.1 | 1043 | 2.12 | 1.0 | 2.6 | <0.1 | 68 | <0.1 | 0.1 | <0.1 | 44 | 0.68 | 0.040 | 6 |
| EH 526 | Soil | 0.2 | 32.4 | 6.8 | 61 | <0.1 | 26.4 | 11.5 | 474 | 2.90 | 0.7 | 0.9 | <0.1 | 138 | 0.1 | <0.1 | <0.1 | 59 | 0.87 | 0.038 | 15 |
| EH 527 | Soil | 0.6 | 39.1 | 6.2 | 77 | <0.1 | 28.2 | 14.2 | 833 | 3.29 | 2.5 | 0.8 | <0.1 | 102 | 0.2 | 0.2 | <0.1 | 76 | 0.90 | 0.057 | 13 |
| EH 528 | Soil | 0.6 | 41.4 | 6.4 | 84 | <0.1 | 30.1 | 13.4 | 802 | 2.85 | 3.5 | <0.5 | <0.1 | 112 | 0.2 | 0.2 | <0.1 | 64 | 0.96 | 0.044 | 15 |
| EH 529 | Soil | 0.5 | 39.9 | 6.2 | 76 | <0.1 | 25.6 | 12.0 | 448 | 2.97 | 4.0 | <0.5 | <0.1 | 115 | 0.2 | 0.2 | <0.1 | 66 | 0.88 | 0.052 | 15 |
| EH 530 | Soil | 0.5 | 24.5 | 5.9 | 75 | <0.1 | 16.7 | 9.1 | 764 | 2.19 | 2.2 | 1.1 | <0.1 | 95 | 0.2 | 0.1 | <0.1 | 45 | 0.58 | 0.028 | 17 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 2 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 501 | Soil | 39 | 0.57 | 125 | 0.114 | 5 | 2.66 | 0.040 | 0.28 | <0.1 | <0.01 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 502 | Soil | 40 | 0.70 | 150 | 0.114 | 2 | 2.75 | 0.037 | 0.29 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 503 | Soil | 30 | 0.51 | 150 | 0.126 | 4 | 2.25 | 0.033 | 0.21 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 504 | Soil | 30 | 0.57 | 128 | 0.117 | 3 | 2.37 | 0.036 | 0.19 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 505 | Soil | 27 | 0.49 | 147 | 0.093 | 4 | 2.32 | 0.025 | 0.18 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 506 | Soil | 39 | 0.81 | 121 | 0.088 | 3 | 2.47 | 0.029 | 0.25 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 507 | Soil | 39 | 0.80 | 85 | 0.110 | 7 | 2.06 | 0.043 | 0.35 | <0.1 | 0.01 | 9.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 508 | Soil | 45 | 0.92 | 83 | 0.129 | 5 | 1.99 | 0.032 | 0.31 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 509 | Soil | 29 | 0.55 | 127 | 0.120 | 5 | 2.15 | 0.029 | 0.21 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 510 | Soil | 30 | 0.57 | 141 | 0.125 | 4 | 2.24 | 0.033 | 0.21 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 511 | Soil | 34 | 0.61 | 149 | 0.140 | 3 | 2.32 | 0.040 | 0.31 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 512 | Soil | 40 | 0.65 | 156 | 0.155 | 4 | 2.83 | 0.045 | 0.22 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 513 | Soil | 29 | 0.47 | 160 | 0.122 | 3 | 2.14 | 0.039 | 0.13 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 514 | Soil | 29 | 0.68 | 107 | 0.170 | 3 | 2.75 | 0.051 | 0.16 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 515 | Soil | 25 | 0.39 | 77 | 0.148 | 3 | 2.03 | 0.028 | 0.17 | <0.1 | <0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 516 | Soil | 25 | 0.54 | 124 | 0.166 | 3 | 2.47 | 0.025 | 0.24 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 517 | Soil | 49 | 1.05 | 135 | 0.140 | 1 | 3.29 | 0.033 | 0.17 | <0.1 | 0.02 | 9.8 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 518 | Soil | 44 | 0.83 | 152 | 0.153 | 2 | 3.42 | 0.034 | 0.21 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 519 | Soil | 23 | 0.48 | 83 | 0.118 | 2 | 2.10 | 0.031 | 0.11 | <0.1 | 0.02 | 7.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 520 | Soil | 24 | 0.48 | 118 | 0.128 | 3 | 2.21 | 0.029 | 0.17 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 521 | Soil | 16 | 0.31 | 94 | 0.101 | 3 | 1.37 | 0.025 | 0.17 | <0.1 | 0.01 | 3.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 522 | Soil | 28 | 0.41 | 162 | 0.147 | 2 | 1.82 | 0.036 | 0.17 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 523 | Soil | 28 | 0.42 | 176 | 0.136 | 2 | 1.86 | 0.041 | 0.14 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 524 | Soil | 23 | 0.52 | 99 | 0.100 | 4 | 2.32 | 0.024 | 0.25 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 525 | Soil | 21 | 0.46 | 100 | 0.077 | 3 | 2.15 | 0.024 | 0.16 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 526 | Soil | 28 | 0.87 | 88 | 0.076 | 3 | 2.50 | 0.084 | 0.12 | <0.1 | 0.42 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 527 | Soil | 36 | 0.68 | 171 | 0.120 | 2 | 3.77 | 0.023 | 0.27 | <0.1 | 0.03 | 10.0 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 528 | Soil | 33 | 0.76 | 231 | 0.119 | 6 | 2.76 | 0.030 | 0.31 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 529 | Soil | 35 | 0.72 | 203 | 0.125 | 5 | 3.31 | 0.026 | 0.35 | <0.1 | 0.01 | 8.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 530 | Soil | 20 | 0.51 | 247 | 0.078 | 5 | 2.12 | 0.027 | 0.21 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 3 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 531 | Soil | 0.4 | 36.3 | 6.7 | 77 | <0.1 | 21.8 | 10.4 | 580 | 2.83 | 2.2 | 0.8 | <0.1 | 176 | 0.2 | 0.2 | 0.3 | 55 | 0.72 | 0.048 | 24 |
| EH 532 | Soil | 0.4 | 30.5 | 7.0 | 73 | <0.1 | 16.0 | 10.1 | 789 | 2.62 | 3.1 | 1.6 | <0.1 | 153 | 0.1 | 0.1 | 0.2 | 47 | 0.71 | 0.052 | 30 |
| EH 533 | Soil | 0.4 | 36.0 | 5.8 | 70 | <0.1 | 22.2 | 11.6 | 799 | 2.65 | 3.0 | 1.7 | <0.1 | 198 | 0.1 | 0.2 | <0.1 | 55 | 0.76 | 0.039 | 19 |
| EH 534 | Soil | 0.5 | 27.3 | 4.9 | 58 | <0.1 | 18.9 | 10.9 | 486 | 2.34 | 1.4 | <0.5 | <0.1 | 127 | 0.1 | 0.1 | <0.1 | 55 | 0.61 | 0.036 | 13 |
| EH 535 | Soil | 0.5 | 27.8 | 5.1 | 80 | <0.1 | 22.7 | 10.9 | 744 | 2.45 | 1.8 | 0.5 | <0.1 | 139 | 0.1 | 0.1 | <0.1 | 53 | 0.72 | 0.033 | 14 |
| EH 536 | Soil | 0.5 | 32.8 | 5.2 | 71 | <0.1 | 22.7 | 13.6 | 583 | 2.94 | 1.6 | 0.7 | <0.1 | 267 | 0.2 | 0.1 | <0.1 | 66 | 0.86 | 0.041 | 15 |
| EH 537 | Soil | 0.3 | 24.1 | 5.5 | 56 | <0.1 | 12.8 | 9.2 | 509 | 2.10 | 0.6 | <0.5 | <0.1 | 96 | <0.1 | 0.1 | 0.2 | 38 | 0.77 | 0.036 | 17 |
| EH 538 | Soil | 0.5 | 38.1 | 4.8 | 65 | <0.1 | 29.8 | 15.9 | 813 | 3.33 | 0.8 | <0.5 | <0.1 | 298 | 0.2 | 0.1 | 0.2 | 63 | 0.90 | 0.045 | 17 |
| EH 539 | Soil | 0.2 | 51.1 | 4.8 | 51 | <0.1 | 31.8 | 13.5 | 434 | 3.03 | 2.1 | 2.1 | <0.1 | 185 | <0.1 | 0.1 | 0.1 | 66 | 1.16 | 0.063 | 21 |
| EH 540 | Soil | 0.3 | 39.3 | 6.0 | 57 | <0.1 | 26.0 | 12.5 | 487 | 2.94 | 1.6 | 3.1 | <0.1 | 163 | <0.1 | 0.2 | 0.1 | 61 | 0.89 | 0.039 | 20 |
| EH 541 | Soil | 0.4 | 34.2 | 5.4 | 72 | <0.1 | 27.8 | 13.5 | 779 | 2.78 | 1.0 | 0.5 | <0.1 | 139 | 0.2 | 0.1 | <0.1 | 56 | 0.80 | 0.036 | 15 |
| EH 542 | Soil | 0.4 | 39.8 | 4.1 | 79 | <0.1 | 26.0 | 12.3 | 482 | 2.95 | 0.8 | <0.5 | <0.1 | 138 | <0.1 | 0.1 | <0.1 | 75 | 0.77 | 0.033 | 14 |
| EH 543 | Soil | 0.4 | 34.6 | 4.4 | 78 | <0.1 | 29.4 | 12.2 | 877 | 3.01 | 1.6 | <0.5 | <0.1 | 87 | <0.1 | 0.1 | <0.1 | 70 | 0.80 | 0.039 | 13 |
| EH 544 | Soil | 0.4 | 34.7 | 4.5 | 82 | <0.1 | 29.5 | 13.0 | 949 | 2.99 | 1.6 | <0.5 | <0.1 | 84 | 0.1 | 0.1 | <0.1 | 69 | 0.81 | 0.040 | 12 |
| EH 545 | Soil | 0.7 | 28.3 | 4.8 | 87 | <0.1 | 23.5 | 10.6 | 671 | 2.64 | 1.7 | <0.5 | <0.1 | 94 | 0.1 | 0.1 | 0.2 | 55 | 0.65 | 0.044 | 9 |
| EH 546 | Soil | 0.5 | 32.8 | 4.5 | 71 | <0.1 | 24.9 | 13.0 | 615 | 2.92 | 1.5 | <0.5 | <0.1 | 131 | <0.1 | 0.2 | <0.1 | 68 | 0.78 | 0.035 | 11 |
| EH 547 | Soil | 0.6 | 33.4 | 5.0 | 87 | <0.1 | 24.4 | 12.5 | 1212 | 2.49 | 2.0 | 0.6 | <0.1 | 108 | 0.1 | 0.2 | <0.1 | 55 | 0.81 | 0.046 | 12 |
| EH 548 | Soil | 0.6 | 24.5 | 3.7 | 82 | <0.1 | 20.2 | 8.7 | 720 | 1.90 | 1.6 | <0.5 | <0.1 | 72 | <0.1 | <0.1 | <0.1 | 44 | 0.56 | 0.034 | 6 |
| EH 549 | Soil | 0.4 | 37.0 | 5.3 | 77 | <0.1 | 31.8 | 14.3 | 935 | 2.68 | 1.4 | 0.6 | <0.1 | 118 | 0.1 | <0.1 | <0.1 | 60 | 0.80 | 0.038 | 14 |
| EH 550 | Soil | 0.5 | 33.3 | 4.6 | 81 | <0.1 | 36.8 | 14.0 | 1036 | 2.76 | 0.9 | 0.6 | <0.1 | 82 | 0.1 | <0.1 | <0.1 | 54 | 0.68 | 0.032 | 10 |
| SD PMS-83 | Rock Pulp | 130.3 | 3960 | 26.1 | 62 | 2.6 | 37.0 | 20.5 | 422 | 4.40 | 55.0 | 465.1 | <0.1 | 30 | 0.5 | 4.0 | 0.4 | 129 | 0.34 | 0.089 | 12 |
| EH 551 | Soil | 0.6 | 26.9 | 4.7 | 97 | <0.1 | 22.8 | 10.6 | 1178 | 2.37 | 1.4 | 0.7 | <0.1 | 76 | 0.2 | 0.1 | <0.1 | 53 | 0.57 | 0.031 | 6 |
| EH 552 | Soil | 0.5 | 34.5 | 4.8 | 94 | <0.1 | 28.0 | 12.1 | 691 | 2.65 | 1.3 | <0.5 | <0.1 | 71 | 0.1 | 0.1 | <0.1 | 63 | 0.54 | 0.025 | 9 |
| EH 553 | Soil | 0.5 | 25.9 | 4.6 | 77 | <0.1 | 20.7 | 9.7 | 811 | 2.18 | 1.2 | 0.5 | <0.1 | 77 | 0.2 | 0.1 | <0.1 | 44 | 0.69 | 0.030 | 9 |
| EH 554 | Soil | 0.3 | 44.4 | 4.2 | 67 | <0.1 | 37.4 | 16.4 | 662 | 3.19 | 1.3 | <0.5 | <0.1 | 86 | 0.2 | <0.1 | <0.1 | 77 | 0.81 | 0.030 | 15 |
| EH 555 | Soil | 0.3 | 42.7 | 4.8 | 62 | <0.1 | 36.6 | 15.5 | 591 | 3.22 | 1.6 | <0.5 | <0.1 | 104 | 0.1 | 0.1 | <0.1 | 79 | 0.84 | 0.047 | 17 |
| EH 556 | Soil | 0.4 | 33.5 | 7.5 | 101 | <0.1 | 27.1 | 13.7 | 1044 | 2.63 | 1.6 | <0.5 | <0.1 | 104 | 0.2 | 0.1 | <0.1 | 52 | 0.77 | 0.031 | 10 |
| EH 557 | Soil | 0.4 | 33.4 | 4.3 | 82 | <0.1 | 23.0 | 14.3 | 671 | 2.96 | 1.0 | <0.5 | <0.1 | 97 | 0.1 | <0.1 | <0.1 | 72 | 0.58 | 0.035 | 13 |
| EH 558 | Soil | 0.2 | 54.8 | 4.1 | 68 | <0.1 | 37.6 | 20.3 | 593 | 3.96 | 1.7 | <0.5 | <0.1 | 262 | <0.1 | <0.1 | <0.1 | 81 | 1.00 | 0.034 | 12 |
| EH 559 | Soil | 0.2 | 26.1 | 3.7 | 78 | <0.1 | 25.8 | 9.5 | 391 | 2.34 | 1.1 | 0.7 | <0.1 | 61 | 0.1 | <0.1 | <0.1 | 47 | 0.54 | 0.037 | 7 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 3 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 531 | Soil | 24 | 0.64 | 281 | 0.061 | 10 | 2.55 | 0.026 | 0.46 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 532 | Soil | 18 | 0.54 | 209 | 0.026 | 3 | 2.26 | 0.020 | 0.31 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 533 | Soil | 26 | 0.59 | 154 | 0.062 | 5 | 2.37 | 0.025 | 0.38 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 534 | Soil | 25 | 0.59 | 163 | 0.102 | 5 | 2.26 | 0.027 | 0.32 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 535 | Soil | 24 | 0.54 | 190 | 0.099 | 4 | 2.68 | 0.029 | 0.22 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 536 | Soil | 29 | 0.70 | 256 | 0.106 | 4 | 3.12 | 0.037 | 0.30 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 537 | Soil | 14 | 0.58 | 100 | 0.016 | 1 | 2.24 | 0.023 | 0.20 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 538 | Soil | 28 | 0.77 | 288 | 0.089 | 5 | 3.29 | 0.033 | 0.38 | <0.1 | 0.03 | 8.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 539 | Soil | 23 | 0.67 | 160 | 0.012 | 5 | 2.84 | 0.027 | 0.12 | <0.1 | 0.04 | 9.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 540 | Soil | 23 | 0.76 | 165 | 0.028 | 3 | 2.79 | 0.028 | 0.31 | <0.1 | 0.04 | 7.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 541 | Soil | 26 | 0.59 | 155 | 0.110 | 7 | 2.45 | 0.043 | 0.36 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 542 | Soil | 31 | 0.64 | 129 | 0.112 | 4 | 2.86 | 0.066 | 0.19 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 543 | Soil | 40 | 0.60 | 95 | 0.087 | 6 | 2.42 | 0.029 | 0.33 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 544 | Soil | 38 | 0.57 | 95 | 0.083 | 6 | 2.34 | 0.030 | 0.34 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 545 | Soil | 30 | 0.53 | 149 | 0.127 | 7 | 2.49 | 0.025 | 0.28 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 546 | Soil | 32 | 0.70 | 170 | 0.148 | 4 | 2.67 | 0.040 | 0.18 | <0.1 | 0.01 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 547 | Soil | 28 | 0.59 | 178 | 0.110 | 7 | 2.57 | 0.026 | 0.35 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 548 | Soil | 22 | 0.48 | 116 | 0.087 | 3 | 2.07 | 0.027 | 0.11 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 549 | Soil | 40 | 0.67 | 160 | 0.077 | 8 | 2.92 | 0.040 | 0.29 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 550 | Soil | 36 | 0.65 | 123 | 0.109 | 11 | 2.34 | 0.043 | 0.32 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| SD PMS-83 | Rock Pulp | 54 | 0.92 | 45 | 0.124 | 2 | 1.35 | 0.038 | 0.84 | 4.5 | 0.07 | 10.7 | 0.5 | 1.84 | 5 | 7.4 | 0.9 |
| EH 551 | Soil | 26 | 0.55 | 145 | 0.132 | 6 | 2.13 | 0.028 | 0.22 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 552 | Soil | 33 | 0.66 | 126 | 0.160 | 5 | 2.48 | 0.041 | 0.20 | <0.1 | <0.01 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 553 | Soil | 26 | 0.45 | 132 | 0.130 | 8 | 2.14 | 0.032 | 0.29 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 554 | Soil | 44 | 0.86 | 113 | 0.184 | 4 | 2.57 | 0.067 | 0.25 | <0.1 | 0.02 | 9.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 555 | Soil | 50 | 1.06 | 144 | 0.142 | 5 | 2.52 | 0.053 | 0.21 | <0.1 | 0.02 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 556 | Soil | 32 | 0.65 | 184 | 0.132 | 5 | 2.51 | 0.039 | 0.26 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 557 | Soil | 31 | 0.61 | 131 | 0.157 | 3 | 2.41 | 0.060 | 0.15 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 558 | Soil | 38 | 1.46 | 225 | 0.190 | 3 | 4.11 | 0.057 | 0.38 | <0.1 | 0.03 | 16.2 | <0.1 | <0.05 | 11 | <0.5 | <0.2 |
| EH 559 | Soil | 47 | 0.51 | 102 | 0.123 | 4 | 1.95 | 0.030 | 0.11 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 4 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 560 | Soil | 0.5 | 26.9 | 5.1 | 66 | <0.1 | 29.6 | 14.6 | 651 | 2.67 | 0.9 | <0.5 | <0.1 | 63 | <0.1 | 0.1 | <0.1 | 68 | 0.50 | 0.027 | 6 |
| EH 561 | Soil | 0.3 | 23.8 | 5.5 | 55 | <0.1 | 19.7 | 12.9 | 356 | 2.42 | 0.9 | <0.5 | <0.1 | 89 | 0.1 | 0.1 | <0.1 | 66 | 0.53 | 0.024 | 8 |
| EH 562 | Soil | 0.3 | 30.3 | 5.5 | 66 | <0.1 | 24.1 | 13.6 | 591 | 2.92 | 1.3 | 0.7 | <0.1 | 86 | 0.1 | 0.1 | <0.1 | 67 | 0.57 | 0.033 | 9 |
| EH 563 | Soil | 0.5 | 32.8 | 4.5 | 105 | <0.1 | 34.9 | 13.1 | 651 | 2.47 | 1.8 | 0.5 | <0.1 | 76 | 0.1 | 0.1 | <0.1 | 65 | 0.55 | 0.054 | 6 |
| EH 564 | Soil | 0.4 | 38.0 | 3.8 | 75 | <0.1 | 42.2 | 20.1 | 715 | 2.99 | 1.6 | <0.5 | <0.1 | 94 | <0.1 | 0.1 | <0.1 | 68 | 0.82 | 0.038 | 16 |
| EH 565 | Soil | 0.6 | 26.6 | 5.6 | 60 | <0.1 | 21.9 | 13.3 | 502 | 2.62 | 1.8 | <0.5 | <0.1 | 90 | 0.1 | 0.1 | <0.1 | 61 | 0.70 | 0.048 | 9 |
| EH 566 | Soil | 0.4 | 39.5 | 5.6 | 86 | <0.1 | 38.6 | 18.6 | 631 | 3.11 | 2.1 | <0.5 | <0.1 | 97 | 0.2 | 0.1 | <0.1 | 67 | 0.76 | 0.045 | 8 |
| EH 567 | Soil | 0.5 | 39.1 | 5.5 | 115 | <0.1 | 31.5 | 15.1 | 1354 | 2.95 | 3.9 | 0.6 | <0.1 | 94 | 0.2 | 0.1 | <0.1 | 72 | 0.95 | 0.111 | 11 |
| EH 568 | Soil | 0.3 | 21.4 | 4.3 | 81 | <0.1 | 20.8 | 8.8 | 489 | 2.36 | 1.2 | <0.5 | <0.1 | 83 | 0.1 | <0.1 | <0.1 | 52 | 0.68 | 0.040 | 7 |
| EH 569 | Soil | 0.4 | 32.4 | 6.1 | 71 | <0.1 | 19.6 | 9.0 | 460 | 2.63 | 2.7 | 1.5 | <0.1 | 90 | 0.1 | 0.2 | <0.1 | 59 | 0.54 | 0.029 | 14 |
| EH 570 | Soil | 0.4 | 30.6 | 6.1 | 67 | <0.1 | 22.5 | 9.2 | 345 | 2.36 | 3.3 | <0.5 | <0.1 | 106 | <0.1 | 0.2 | <0.1 | 61 | 0.58 | 0.025 | 13 |
| EH 571 | Soil | 0.4 | 29.2 | 6.2 | 86 | <0.1 | 19.7 | 9.0 | 499 | 2.41 | 5.2 | <0.5 | <0.1 | 102 | 0.1 | 0.3 | <0.1 | 60 | 0.65 | 0.030 | 12 |
| EH 572 | Soil | 0.5 | 31.2 | 7.9 | 83 | <0.1 | 21.2 | 9.2 | 834 | 2.30 | 6.8 | 3.3 | <0.1 | 106 | 0.1 | 0.3 | 0.2 | 51 | 0.58 | 0.023 | 14 |
| EH 573 | Soil | 0.5 | 27.0 | 10.7 | 77 | 0.2 | 13.5 | 7.5 | 680 | 2.30 | 16.1 | 14.6 | <0.1 | 82 | 0.1 | 0.6 | 0.1 | 46 | 0.53 | 0.026 | 16 |
| EH 574 | Soil | 0.4 | 28.5 | 6.4 | 70 | <0.1 | 19.7 | 8.5 | 672 | 2.29 | 3.6 | 1.4 | <0.1 | 112 | <0.1 | 0.2 | 0.3 | 56 | 0.53 | 0.020 | 11 |
| EH 575 | Soil | 0.3 | 28.5 | 5.5 | 73 | <0.1 | 17.5 | 7.5 | 420 | 2.25 | 2.7 | 1.7 | <0.1 | 103 | 0.1 | 0.2 | 0.2 | 52 | 0.58 | 0.028 | 11 |
| EH 576 | Soil | 0.3 | 22.8 | 6.0 | 101 | <0.1 | 16.0 | 8.0 | 666 | 2.10 | 1.9 | 1.4 | <0.1 | 91 | 0.1 | 0.2 | 0.1 | 48 | 0.63 | 0.025 | 10 |
| EH 577 | Soil | 0.5 | 27.9 | 5.8 | 63 | <0.1 | 21.8 | 10.4 | 566 | 2.54 | 1.7 | 0.6 | <0.1 | 108 | 0.1 | 0.3 | <0.1 | 65 | 0.50 | 0.021 | 13 |
| EH 578 | Soil | 0.2 | 18.0 | 5.9 | 77 | <0.1 | 11.2 | 5.6 | 651 | 1.82 | 1.6 | <0.5 | <0.1 | 86 | 0.2 | 0.1 | <0.1 | 38 | 0.55 | 0.029 | 22 |
| EH 579 | Soil | 0.4 | 29.6 | 7.1 | 152 | <0.1 | 21.7 | 9.4 | 1346 | 2.35 | 2.4 | <0.5 | <0.1 | 102 | 0.3 | 0.4 | <0.1 | 49 | 0.93 | 0.072 | 16 |
| EH 580 | Soil | 1.0 | 32.6 | 11.0 | 146 | <0.1 | 20.2 | 10.2 | 3110 | 2.34 | 3.7 | 6.3 | <0.1 | 127 | 0.4 | 0.9 | <0.1 | 49 | 1.28 | 0.125 | 24 |
| EH 581 | Soil | 0.4 | 29.1 | 6.1 | 66 | <0.1 | 21.0 | 9.1 | 538 | 2.50 | 1.9 | <0.5 | <0.1 | 96 | 0.1 | 0.3 | 0.3 | 59 | 0.63 | 0.020 | 14 |
| EH 582 | Soil | 0.4 | 23.0 | 5.6 | 72 | <0.1 | 16.4 | 8.2 | 694 | 2.05 | 1.4 | 4.0 | <0.1 | 86 | 0.1 | 0.3 | 0.1 | 53 | 0.57 | 0.022 | 13 |
| EH 583 | Soil | 0.5 | 25.0 | 5.3 | 113 | <0.1 | 16.1 | 7.8 | 856 | 2.25 | 1.2 | 1.5 | <0.1 | 94 | 0.1 | 0.2 | <0.1 | 51 | 0.63 | 0.034 | 14 |
| EH 584 | Soil | 0.4 | 26.2 | 4.9 | 82 | <0.1 | 20.6 | 9.7 | 843 | 2.51 | 1.3 | 1.5 | <0.1 | 139 | 0.2 | 0.2 | <0.1 | 61 | 0.62 | 0.053 | 13 |
| EH 585 | Soil | 0.5 | 25.0 | 6.0 | 58 | <0.1 | 18.0 | 9.6 | 545 | 2.49 | 1.1 | <0.5 | <0.1 | 134 | <0.1 | 0.2 | <0.1 | 53 | 0.57 | 0.029 | 16 |
| EH 586 | Soil | 0.6 | 29.0 | 4.9 | 79 | <0.1 | 22.1 | 11.1 | 1121 | 2.61 | 1.2 | 1.3 | <0.1 | 191 | 0.2 | 0.2 | <0.1 | 59 | 0.80 | 0.042 | 14 |
| EH 587 | Soil | 0.7 | 19.6 | 4.6 | 58 | <0.1 | 17.1 | 8.8 | 871 | 1.97 | 1.2 | 1.8 | <0.1 | 109 | 0.1 | 0.2 | <0.1 | 52 | 0.55 | 0.024 | 9 |
| EH 588 | Soil | 0.3 | 48.4 | 4.1 | 58 | <0.1 | 37.4 | 13.1 | 493 | 3.49 | 1.3 | 2.6 | <0.1 | 160 | <0.1 | 0.1 | <0.1 | 92 | 0.89 | 0.068 | 18 |
| EH 589 | Soil | 0.7 | 23.3 | 4.9 | 75 | <0.1 | 20.6 | 9.5 | 1254 | 2.31 | 1.5 | 1.1 | <0.1 | 109 | 0.1 | 0.2 | <0.1 | 54 | 0.72 | 0.029 | 12 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 4 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 560 | Soil | 49 | 0.63 | 108 | 0.170 | 2 | 2.25 | 0.042 | 0.09 | <0.1 | 0.01 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 561 | Soil | 34 | 0.46 | 145 | 0.155 | 3 | 1.95 | 0.032 | 0.16 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 562 | Soil | 36 | 0.55 | 141 | 0.139 | 3 | 2.51 | 0.032 | 0.15 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 563 | Soil | 43 | 0.64 | 197 | 0.109 | 4 | 2.98 | 0.023 | 0.16 | <0.1 | 0.03 | 5.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 564 | Soil | 62 | 1.04 | 145 | 0.100 | 4 | 2.60 | 0.032 | 0.25 | <0.1 | 0.04 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 565 | Soil | 31 | 0.56 | 150 | 0.131 | 3 | 2.85 | 0.034 | 0.12 | <0.1 | 0.03 | 5.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 566 | Soil | 39 | 0.95 | 164 | 0.121 | 3 | 3.83 | 0.033 | 0.09 | <0.1 | 0.04 | 6.0 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 567 | Soil | 34 | 0.65 | 177 | 0.137 | 6 | 3.11 | 0.031 | 0.20 | <0.1 | 0.05 | 7.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 568 | Soil | 32 | 0.44 | 118 | 0.133 | 3 | 2.15 | 0.035 | 0.10 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 569 | Soil | 27 | 0.47 | 141 | 0.130 | 6 | 1.84 | 0.024 | 0.34 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 570 | Soil | 31 | 0.49 | 156 | 0.154 | 6 | 1.84 | 0.023 | 0.34 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 571 | Soil | 28 | 0.43 | 167 | 0.140 | 6 | 1.81 | 0.025 | 0.29 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 572 | Soil | 24 | 0.40 | 158 | 0.105 | 5 | 1.61 | 0.021 | 0.27 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 573 | Soil | 16 | 0.31 | 147 | 0.074 | 5 | 1.37 | 0.019 | 0.18 | <0.1 | 0.04 | 5.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 574 | Soil | 26 | 0.41 | 137 | 0.124 | 5 | 1.57 | 0.021 | 0.29 | <0.1 | 0.01 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 575 | Soil | 25 | 0.40 | 155 | 0.115 | 7 | 1.66 | 0.022 | 0.30 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 576 | Soil | 21 | 0.38 | 200 | 0.110 | 7 | 1.78 | 0.022 | 0.30 | <0.1 | 0.01 | 4.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 577 | Soil | 28 | 0.50 | 139 | 0.130 | 5 | 1.70 | 0.028 | 0.26 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 578 | Soil | 14 | 0.45 | 147 | 0.060 | 4 | 1.55 | 0.022 | 0.24 | <0.1 | 0.02 | 3.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 579 | Soil | 21 | 0.52 | 222 | 0.109 | 11 | 2.83 | 0.027 | 0.34 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 580 | Soil | 22 | 0.49 | 217 | 0.105 | 15 | 2.51 | 0.022 | 0.43 | 0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 581 | Soil | 28 | 0.49 | 140 | 0.131 | 5 | 2.25 | 0.024 | 0.33 | <0.1 | <0.01 | 5.9 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 582 | Soil | 22 | 0.40 | 137 | 0.134 | 5 | 1.67 | 0.026 | 0.35 | <0.1 | 0.01 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 583 | Soil | 20 | 0.47 | 160 | 0.116 | 6 | 2.13 | 0.035 | 0.31 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 584 | Soil | 26 | 0.50 | 211 | 0.117 | 9 | 2.12 | 0.026 | 0.49 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 585 | Soil | 24 | 0.56 | 201 | 0.105 | 5 | 2.19 | 0.024 | 0.44 | <0.1 | 0.03 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 586 | Soil | 25 | 0.56 | 335 | 0.092 | 7 | 2.45 | 0.024 | 0.51 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 587 | Soil | 21 | 0.42 | 168 | 0.115 | 6 | 1.63 | 0.030 | 0.28 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 588 | Soil | 36 | 1.02 | 158 | 0.061 | 7 | 3.14 | 0.046 | 0.20 | <0.1 | 0.04 | 12.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 589 | Soil | 24 | 0.47 | 170 | 0.119 | 6 | 2.05 | 0.030 | 0.34 | <0.1 | 0.04 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 5 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|-----------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | % | % | ppm | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 590 | Soil | | 0.4 | 34.8 | 4.4 | 63 | <0.1 | 24.3 | 10.6 | 531 | 2.96 | 1.4 | 1.8 | <0.1 | 158 | <0.1 | 0.2 | <0.1 | 67 | 0.66 | 0.030 | 16 |
| EH 591 | Soil | | 0.4 | 33.8 | 4.9 | 65 | <0.1 | 25.7 | 11.4 | 456 | 3.11 | 1.8 | 8.7 | <0.1 | 118 | 0.1 | 0.2 | <0.1 | 72 | 0.64 | 0.039 | 14 |
| EH 592 | Soil | | 0.4 | 28.0 | 4.8 | 79 | <0.1 | 22.6 | 10.9 | 865 | 2.53 | 1.6 | 1.1 | <0.1 | 98 | 0.1 | 0.1 | <0.1 | 58 | 0.74 | 0.050 | 11 |
| EH 593 | Soil | | 0.4 | 36.0 | 4.1 | 68 | <0.1 | 30.6 | 14.8 | 685 | 3.38 | 1.4 | 12.3 | <0.1 | 101 | 0.2 | <0.1 | <0.1 | 70 | 0.66 | 0.034 | 13 |
| EH 594 | Soil | | 0.4 | 32.9 | 4.7 | 67 | <0.1 | 25.2 | 11.7 | 458 | 2.89 | 2.4 | <0.5 | <0.1 | 113 | 0.1 | 0.1 | <0.1 | 66 | 0.60 | 0.031 | 12 |
| EH 595 | Soil | | 0.4 | 28.2 | 4.4 | 86 | <0.1 | 29.3 | 12.2 | 801 | 2.74 | 0.8 | <0.5 | <0.1 | 74 | 0.1 | 0.1 | <0.1 | 53 | 0.66 | 0.036 | 11 |
| EH 596 | Soil | | 0.6 | 33.6 | 3.8 | 93 | <0.1 | 30.8 | 11.2 | 636 | 2.59 | 0.6 | <0.5 | <0.1 | 56 | <0.1 | <0.1 | <0.1 | 48 | 0.55 | 0.040 | 7 |
| EH 597 | Soil | | 0.4 | 33.4 | 3.4 | 60 | <0.1 | 48.1 | 16.9 | 610 | 3.40 | <0.5 | <0.5 | <0.1 | 60 | 0.1 | <0.1 | <0.1 | 62 | 0.58 | 0.032 | 15 |
| EH 598 | Soil | | 0.5 | 35.1 | 3.5 | 68 | <0.1 | 49.3 | 17.0 | 792 | 3.51 | <0.5 | <0.5 | <0.1 | 51 | 0.1 | <0.1 | <0.1 | 63 | 0.52 | 0.038 | 15 |
| EH 599 | Soil | | 0.6 | 21.3 | 4.6 | 74 | <0.1 | 22.8 | 8.0 | 440 | 1.77 | 0.8 | <0.5 | <0.1 | 40 | <0.1 | <0.1 | <0.1 | 32 | 0.32 | 0.077 | 3 |
| EH 600 | Soil | | 0.3 | 26.5 | 4.3 | 82 | <0.1 | 25.7 | 10.8 | 827 | 2.50 | 0.8 | <0.5 | <0.1 | 107 | <0.1 | <0.1 | <0.1 | 53 | 0.54 | 0.027 | 9 |
| SD PMS-114 | Rock Pulp | | 16.8 | 61.3 | 18.2 | 17 | 0.1 | 16.3 | 2.5 | 113 | 3.65 | 445.8 | 212.9 | <0.1 | 31 | 0.3 | 28.0 | 0.1 | 10 | 0.97 | 0.005 | 2 |
| EH 601 | Soil | | 0.2 | 41.4 | 4.5 | 59 | <0.1 | 41.5 | 14.2 | 454 | 3.27 | 0.8 | <0.5 | <0.1 | 112 | 0.1 | 0.1 | <0.1 | 65 | 0.64 | 0.021 | 16 |
| EH 602 | Soil | | 0.5 | 28.1 | 5.1 | 75 | <0.1 | 26.9 | 12.4 | 1081 | 2.52 | 1.0 | <0.5 | <0.1 | 84 | 0.2 | 0.2 | <0.1 | 60 | 0.55 | 0.021 | 11 |
| EH 603 | Soil | | 0.4 | 33.0 | 4.6 | 68 | <0.1 | 30.2 | 12.0 | 619 | 2.86 | 1.2 | <0.5 | <0.1 | 92 | <0.1 | 0.1 | <0.1 | 64 | 0.62 | 0.031 | 13 |
| EH 604 | Soil | | 0.4 | 25.9 | 3.8 | 59 | <0.1 | 24.1 | 10.2 | 571 | 2.45 | 0.7 | <0.5 | <0.1 | 83 | <0.1 | 0.1 | <0.1 | 57 | 0.54 | 0.023 | 13 |
| EH 605 | Soil | | 0.4 | 33.8 | 4.5 | 54 | <0.1 | 18.0 | 11.9 | 821 | 2.26 | <0.5 | <0.5 | <0.1 | 67 | <0.1 | <0.1 | <0.1 | 74 | 0.45 | 0.017 | 10 |
| EH 606 | Soil | | 0.3 | 45.1 | 3.7 | 69 | <0.1 | 29.3 | 15.1 | 551 | 3.67 | 0.7 | <0.5 | <0.1 | 65 | <0.1 | <0.1 | <0.1 | 79 | 0.67 | 0.039 | 13 |
| EH 607 | Soil | | 0.3 | 38.7 | 4.3 | 66 | <0.1 | 26.6 | 13.4 | 593 | 3.03 | <0.5 | 1.4 | <0.1 | 58 | 0.1 | <0.1 | 0.4 | 65 | 0.50 | 0.019 | 12 |
| EH 608 | Soil | | 0.4 | 30.1 | 5.1 | 58 | <0.1 | 20.9 | 11.4 | 703 | 2.53 | 0.7 | 2.6 | <0.1 | 91 | 0.1 | <0.1 | 0.2 | 59 | 0.57 | 0.019 | 12 |
| EH 609 | Soil | | 0.2 | 34.3 | 5.4 | 60 | <0.1 | 25.6 | 13.6 | 692 | 2.66 | 0.9 | <0.5 | <0.1 | 124 | <0.1 | 0.1 | 0.1 | 65 | 0.62 | 0.020 | 15 |
| EH 610 | Soil | | 0.4 | 29.7 | 7.3 | 74 | <0.1 | 18.8 | 7.4 | 501 | 2.16 | 2.7 | 1.1 | <0.1 | 118 | 0.1 | 0.2 | 0.1 | 50 | 0.79 | 0.035 | 16 |
| EH 611 | Soil | | 0.4 | 25.4 | 5.0 | 107 | <0.1 | 17.5 | 8.1 | 552 | 2.13 | 2.0 | 1.0 | <0.1 | 97 | 0.2 | 0.1 | <0.1 | 48 | 0.62 | 0.033 | 7 |
| EH 612 | Soil | | 0.3 | 31.3 | 8.0 | 67 | <0.1 | 17.5 | 7.9 | 432 | 2.39 | 6.4 | 3.9 | <0.1 | 88 | <0.1 | 0.3 | <0.1 | 48 | 0.65 | 0.028 | 16 |
| EH 613 | Soil | | 0.4 | 29.7 | 10.1 | 101 | 0.2 | 14.3 | 8.1 | 828 | 2.33 | 12.8 | 4.1 | <0.1 | 109 | 0.1 | 0.4 | <0.1 | 47 | 0.83 | 0.045 | 16 |
| EH 614 | Soil | | 0.3 | 26.7 | 6.0 | 53 | <0.1 | 16.0 | 7.2 | 380 | 2.16 | 2.1 | 1.2 | <0.1 | 131 | <0.1 | 0.2 | <0.1 | 57 | 0.55 | 0.019 | 14 |
| EH 615 | Soil | | 0.3 | 27.1 | 6.5 | 54 | <0.1 | 14.9 | 6.8 | 445 | 2.10 | 4.5 | 0.6 | <0.1 | 118 | 0.1 | 0.3 | <0.1 | 47 | 0.62 | 0.020 | 17 |
| EH 616 | Soil | | 0.3 | 31.0 | 6.3 | 63 | <0.1 | 15.7 | 7.4 | 407 | 2.42 | 4.3 | 1.3 | <0.1 | 111 | <0.1 | 0.3 | <0.1 | 49 | 0.72 | 0.032 | 19 |
| EH 617 | Soil | | 0.3 | 28.6 | 6.9 | 69 | <0.1 | 19.2 | 9.3 | 698 | 2.21 | 2.6 | <0.5 | <0.1 | 113 | <0.1 | 0.2 | <0.1 | 54 | 0.60 | 0.022 | 16 |
| EH 618 | Soil | | 0.3 | 29.2 | 5.5 | 59 | <0.1 | 18.6 | 8.2 | 443 | 2.22 | 2.0 | 1.6 | <0.1 | 99 | 0.1 | 0.2 | <0.1 | 58 | 0.63 | 0.023 | 14 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 5 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 590 | Soil | 31 | 0.59 | 165 | 0.135 | 3 | 2.56 | 0.040 | 0.31 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 591 | Soil | 36 | 0.65 | 131 | 0.147 | 4 | 2.73 | 0.044 | 0.22 | <0.1 | 0.01 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 592 | Soil | 28 | 0.51 | 117 | 0.116 | 6 | 2.09 | 0.036 | 0.28 | <0.1 | <0.01 | 6.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 593 | Soil | 32 | 0.73 | 102 | 0.131 | 5 | 2.42 | 0.046 | 0.30 | <0.1 | 0.01 | 11.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 594 | Soil | 33 | 0.54 | 136 | 0.142 | 3 | 2.53 | 0.043 | 0.24 | <0.1 | <0.01 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 595 | Soil | 32 | 0.65 | 99 | 0.136 | 7 | 2.20 | 0.036 | 0.28 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 596 | Soil | 30 | 0.61 | 89 | 0.137 | 7 | 2.02 | 0.029 | 0.30 | <0.1 | 0.01 | 7.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 597 | Soil | 40 | 0.95 | 58 | 0.185 | 2 | 1.98 | 0.046 | 0.16 | <0.1 | 0.01 | 10.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 598 | Soil | 39 | 0.92 | 53 | 0.225 | 3 | 1.87 | 0.042 | 0.17 | <0.1 | 0.02 | 10.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 599 | Soil | 17 | 0.36 | 125 | 0.107 | 3 | 2.29 | 0.023 | 0.14 | <0.1 | <0.01 | 3.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 600 | Soil | 28 | 0.61 | 184 | 0.139 | 2 | 2.31 | 0.040 | 0.14 | <0.1 | 0.01 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| SD PMS-114 | Rock Pulp | 22 | 0.03 | 1092 | 0.010 | 1 | 0.17 | 0.007 | 0.06 | 2.7 | 2.88 | 0.7 | 10.3 | 0.09 | <1 | 1.6 | <0.2 |
| EH 601 | Soil | 47 | 1.15 | 166 | 0.137 | 2 | 2.83 | 0.038 | 0.20 | <0.1 | 0.02 | 10.1 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 602 | Soil | 36 | 0.46 | 146 | 0.135 | 2 | 1.95 | 0.036 | 0.23 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 603 | Soil | 38 | 0.54 | 121 | 0.138 | 5 | 2.14 | 0.035 | 0.35 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 604 | Soil | 32 | 0.42 | 112 | 0.123 | 3 | 1.82 | 0.040 | 0.27 | <0.1 | 0.01 | 7.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 605 | Soil | 17 | 0.40 | 74 | 0.228 | 1 | 1.34 | 0.068 | 0.17 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 606 | Soil | 25 | 1.31 | 55 | 0.200 | 3 | 2.05 | 0.056 | 0.27 | <0.1 | 0.01 | 12.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 607 | Soil | 25 | 0.79 | 64 | 0.199 | 3 | 1.89 | 0.046 | 0.32 | <0.1 | 0.01 | 9.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 608 | Soil | 23 | 0.56 | 99 | 0.162 | 3 | 1.78 | 0.050 | 0.27 | <0.1 | 0.02 | 7.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 609 | Soil | 24 | 0.64 | 139 | 0.160 | 3 | 1.78 | 0.047 | 0.22 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 610 | Soil | 22 | 0.55 | 146 | 0.105 | 5 | 1.83 | 0.026 | 0.32 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 611 | Soil | 21 | 0.55 | 147 | 0.126 | 7 | 1.96 | 0.024 | 0.30 | <0.1 | <0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 612 | Soil | 21 | 0.44 | 204 | 0.094 | 10 | 2.01 | 0.021 | 0.34 | <0.1 | 0.01 | 5.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 613 | Soil | 16 | 0.35 | 189 | 0.078 | 6 | 1.93 | 0.021 | 0.19 | <0.1 | 0.04 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 614 | Soil | 20 | 0.43 | 151 | 0.129 | 5 | 1.58 | 0.027 | 0.24 | <0.1 | <0.01 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 615 | Soil | 17 | 0.37 | 135 | 0.088 | 4 | 1.47 | 0.023 | 0.22 | <0.1 | 0.01 | 5.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 616 | Soil | 22 | 0.40 | 105 | 0.078 | 7 | 1.66 | 0.021 | 0.23 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 617 | Soil | 23 | 0.46 | 149 | 0.116 | 5 | 1.64 | 0.027 | 0.25 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 618 | Soil | 26 | 0.49 | 162 | 0.123 | 6 | 1.71 | 0.028 | 0.30 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 6 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | | 1 | |
| EH 619 | Soil | 0.4 | 39.6 | 6.5 | 65 | 0.1 | 23.8 | 8.7 | 392 | 2.53 | 3.6 | 6.3 | <0.1 | 108 | <0.1 | 0.3 | 0.2 | 56 | 0.94 | 0.052 | 14 | |
| EH 620 | Soil | 0.4 | 23.3 | 6.3 | 75 | <0.1 | 15.4 | 7.0 | 435 | 2.16 | 2.0 | <0.5 | <0.1 | 107 | 0.1 | 0.2 | <0.1 | 53 | 0.69 | 0.034 | 16 | |
| EH 621 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 622 | Soil | 0.3 | 30.2 | 8.3 | 78 | <0.1 | 20.6 | 9.7 | 875 | 2.44 | 2.0 | 0.8 | <0.1 | 114 | 0.1 | 0.6 | <0.1 | 59 | 0.76 | 0.041 | 17 | |
| EH 623 | Soil | 0.5 | 23.8 | 9.3 | 61 | <0.1 | 16.5 | 9.6 | 1019 | 2.24 | 2.1 | 73.0 | <0.1 | 102 | <0.1 | 0.3 | <0.1 | 58 | 0.69 | 0.022 | 27 | |
| EH 624 | Soil | 0.5 | 14.2 | 4.2 | 78 | <0.1 | 12.6 | 5.5 | 458 | 1.66 | 0.6 | <0.5 | <0.1 | 91 | <0.1 | 0.1 | <0.1 | 44 | 0.49 | 0.015 | 8 | |
| EH 625 | Soil | 0.3 | 18.6 | 6.5 | 74 | <0.1 | 14.1 | 7.6 | 548 | 2.31 | 1.4 | 1.1 | <0.1 | 133 | <0.1 | 0.2 | <0.1 | 55 | 0.70 | 0.038 | 16 | |
| EH 626 | Soil | 0.5 | 18.6 | 4.9 | 57 | <0.1 | 16.5 | 8.2 | 351 | 2.33 | 0.7 | 0.8 | <0.1 | 145 | <0.1 | 0.2 | <0.1 | 68 | 0.64 | 0.031 | 16 | |
| EH 627 | Soil | 0.7 | 25.9 | 5.5 | 61 | <0.1 | 20.5 | 10.8 | 959 | 2.13 | 0.8 | 1.2 | <0.1 | 127 | 0.1 | 0.1 | <0.1 | 56 | 0.72 | 0.028 | 13 | |
| EH 628 | Soil | 0.4 | 29.3 | 5.6 | 61 | <0.1 | 19.3 | 9.6 | 568 | 2.43 | 1.3 | 1.5 | <0.1 | 127 | 0.1 | 0.2 | <0.1 | 53 | 0.71 | 0.040 | 20 | |
| EH 629 | Soil | 0.7 | 22.6 | 4.6 | 78 | <0.1 | 18.3 | 8.3 | 976 | 2.00 | 1.3 | 1.3 | <0.1 | 109 | 0.1 | 0.1 | <0.1 | 46 | 0.65 | 0.037 | 11 | |
| EH 630 | Soil | 0.6 | 31.2 | 5.4 | 64 | <0.1 | 24.1 | 10.9 | 642 | 2.53 | 1.5 | <0.5 | <0.1 | 124 | 0.1 | 0.2 | <0.1 | 61 | 0.72 | 0.027 | 16 | |
| EH 631 | Soil | 0.5 | 32.3 | 4.5 | 74 | <0.1 | 23.2 | 10.4 | 772 | 2.64 | 0.9 | 14.9 | <0.1 | 115 | 0.2 | 0.2 | <0.1 | 63 | 0.74 | 0.029 | 15 | |
| EH 632 | Soil | 0.5 | 32.3 | 4.6 | 66 | <0.1 | 20.7 | 8.7 | 381 | 2.58 | 1.5 | <0.5 | <0.1 | 155 | <0.1 | 0.2 | <0.1 | 65 | 0.76 | 0.029 | 16 | |
| EH 633 | Soil | 0.3 | 34.0 | 4.2 | 67 | <0.1 | 25.0 | 10.3 | 532 | 2.97 | 1.5 | <0.5 | <0.1 | 153 | <0.1 | 0.2 | <0.1 | 70 | 0.83 | 0.031 | 16 | |
| EH 634 | Soil | 0.6 | 26.4 | 4.3 | 86 | <0.1 | 20.6 | 9.2 | 676 | 2.42 | 1.4 | <0.5 | <0.1 | 99 | 0.1 | 0.1 | <0.1 | 57 | 0.69 | 0.039 | 9 | |
| EH 635 | Soil | 0.4 | 35.9 | 4.6 | 71 | <0.1 | 26.3 | 11.1 | 391 | 3.03 | 1.8 | <0.5 | <0.1 | 119 | 0.1 | 0.2 | <0.1 | 66 | 0.71 | 0.033 | 14 | |
| EH 636 | Soil | 0.4 | 37.6 | 4.2 | 63 | <0.1 | 31.0 | 13.4 | 564 | 3.52 | 1.8 | <0.5 | <0.1 | 103 | 0.1 | <0.1 | <0.1 | 78 | 0.84 | 0.042 | 14 | |
| EH 637 | Soil | 0.4 | 27.7 | 4.4 | 84 | <0.1 | 22.6 | 9.9 | 925 | 2.54 | 1.2 | <0.5 | <0.1 | 103 | 0.1 | 0.1 | <0.1 | 62 | 0.64 | 0.027 | 12 | |
| EH 638 | Soil | 0.5 | 31.5 | 4.0 | 101 | <0.1 | 37.7 | 13.4 | 827 | 2.89 | 0.5 | 2.7 | <0.1 | 50 | 0.1 | <0.1 | <0.1 | 53 | 0.56 | 0.028 | 9 | |
| EH 639 | Soil | 0.7 | 22.8 | 3.5 | 75 | <0.1 | 26.8 | 10.8 | 1062 | 2.41 | 0.5 | <0.5 | <0.1 | 44 | 0.1 | <0.1 | <0.1 | 48 | 0.47 | 0.017 | 7 | |
| EH 640 | Soil | 0.5 | 33.4 | 3.4 | 73 | <0.1 | 46.5 | 17.5 | 989 | 3.45 | <0.5 | 2.2 | <0.1 | 49 | 0.1 | <0.1 | <0.1 | 66 | 0.51 | 0.025 | 15 | |
| EH 641 | Soil | 0.6 | 42.7 | 2.5 | 59 | <0.1 | 81.4 | 22.5 | 480 | 3.51 | 0.6 | 1.2 | <0.1 | 51 | <0.1 | <0.1 | <0.1 | 77 | 0.75 | 0.132 | 18 | |
| EH 642 | Soil | 0.5 | 25.4 | 4.3 | 66 | <0.1 | 27.9 | 12.3 | 675 | 2.35 | 0.5 | <0.5 | <0.1 | 60 | <0.1 | <0.1 | <0.1 | 56 | 0.49 | 0.031 | 9 | |
| EH 643 | Soil | 0.6 | 28.0 | 4.6 | 85 | <0.1 | 26.7 | 9.9 | 1225 | 2.41 | 1.0 | <0.5 | <0.1 | 84 | 0.1 | <0.1 | <0.1 | 55 | 0.67 | 0.031 | 7 | |
| EH 644 | Soil | 0.3 | 32.8 | 4.3 | 57 | <0.1 | 34.5 | 14.6 | 466 | 3.08 | <0.5 | 1.3 | <0.1 | 84 | 0.1 | <0.1 | 0.3 | 65 | 0.64 | 0.022 | 13 | |
| EH 645 | Soil | 0.4 | 29.8 | 5.1 | 76 | <0.1 | 24.5 | 11.9 | 1110 | 2.53 | <0.5 | 1.2 | <0.1 | 84 | 0.1 | 0.1 | 0.2 | 56 | 0.64 | 0.026 | 12 | |
| EH 646 | Soil | 0.3 | 33.4 | 4.8 | 73 | <0.1 | 29.1 | 15.2 | 657 | 3.32 | <0.5 | <0.5 | <0.1 | 74 | 0.1 | <0.1 | 0.1 | 63 | 0.57 | 0.030 | 13 | |
| EH 647 | Soil | 0.3 | 37.3 | 4.5 | 66 | <0.1 | 32.0 | 15.1 | 675 | 3.30 | 1.1 | <0.5 | <0.1 | 89 | 0.1 | 0.1 | <0.1 | 72 | 0.73 | 0.038 | 16 | |
| EH 648 | Soil | 0.5 | 32.0 | 5.2 | 72 | <0.1 | 22.6 | 12.1 | 556 | 2.76 | 0.7 | <0.5 | <0.1 | 114 | 0.1 | 0.2 | <0.1 | 67 | 0.58 | 0.020 | 13 | |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 6 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 619 | Soil | 28 | 0.56 | 187 | 0.099 | 12 | 1.93 | 0.023 | 0.29 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 620 | Soil | 23 | 0.46 | 119 | 0.118 | 7 | 1.73 | 0.029 | 0.32 | <0.1 | 0.01 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 621 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 622 | Soil | 24 | 0.51 | 173 | 0.116 | 4 | 2.44 | 0.028 | 0.31 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 623 | Soil | 20 | 0.42 | 158 | 0.125 | 4 | 2.20 | 0.028 | 0.26 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 624 | Soil | 15 | 0.42 | 129 | 0.107 | 3 | 1.60 | 0.025 | 0.29 | <0.1 | 0.02 | 3.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 625 | Soil | 15 | 0.58 | 174 | 0.126 | 5 | 1.92 | 0.063 | 0.53 | <0.1 | 0.02 | 3.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 626 | Soil | 21 | 0.54 | 164 | 0.126 | 3 | 1.68 | 0.043 | 0.48 | <0.1 | 0.01 | 3.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 627 | Soil | 22 | 0.47 | 177 | 0.070 | 5 | 2.11 | 0.020 | 0.31 | <0.1 | 0.03 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 628 | Soil | 21 | 0.59 | 158 | 0.050 | 6 | 2.02 | 0.100 | 0.29 | <0.1 | 0.06 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 629 | Soil | 20 | 0.51 | 193 | 0.094 | 7 | 1.84 | 0.026 | 0.37 | <0.1 | <0.01 | 4.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 630 | Soil | 30 | 0.59 | 165 | 0.124 | 4 | 2.19 | 0.037 | 0.31 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 631 | Soil | 27 | 0.61 | 149 | 0.117 | 6 | 2.36 | 0.035 | 0.33 | <0.1 | 0.01 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 632 | Soil | 28 | 0.57 | 167 | 0.108 | 3 | 2.31 | 0.044 | 0.24 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 633 | Soil | 30 | 0.58 | 146 | 0.085 | 2 | 2.56 | 0.043 | 0.28 | <0.1 | <0.01 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 634 | Soil | 25 | 0.51 | 124 | 0.131 | 5 | 1.97 | 0.034 | 0.33 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 635 | Soil | 31 | 0.61 | 126 | 0.136 | 3 | 2.65 | 0.049 | 0.24 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 636 | Soil | 26 | 0.80 | 91 | 0.145 | 4 | 2.18 | 0.059 | 0.26 | <0.1 | <0.01 | 11.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 637 | Soil | 27 | 0.59 | 132 | 0.150 | 4 | 2.00 | 0.051 | 0.31 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 638 | Soil | 35 | 0.67 | 90 | 0.149 | 4 | 2.14 | 0.035 | 0.18 | <0.1 | <0.01 | 8.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 639 | Soil | 28 | 0.59 | 81 | 0.135 | 3 | 1.60 | 0.036 | 0.13 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 640 | Soil | 40 | 0.72 | 61 | 0.196 | 3 | 1.67 | 0.047 | 0.17 | <0.1 | <0.01 | 9.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 641 | Soil | 23 | 1.62 | 23 | 0.164 | <1 | 1.36 | 0.056 | 0.15 | <0.1 | <0.01 | 7.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 642 | Soil | 34 | 0.51 | 90 | 0.178 | 3 | 1.76 | 0.041 | 0.20 | <0.1 | 0.01 | 6.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 643 | Soil | 28 | 0.51 | 182 | 0.131 | 3 | 2.38 | 0.036 | 0.10 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 644 | Soil | 34 | 0.63 | 108 | 0.150 | 5 | 2.25 | 0.043 | 0.14 | <0.1 | 0.03 | 9.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 645 | Soil | 29 | 0.52 | 158 | 0.135 | 4 | 2.13 | 0.033 | 0.17 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 646 | Soil | 37 | 0.75 | 103 | 0.168 | 5 | 2.29 | 0.032 | 0.24 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 647 | Soil | 37 | 0.79 | 114 | 0.209 | 5 | 2.07 | 0.029 | 0.30 | <0.1 | 0.04 | 9.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 648 | Soil | 28 | 0.56 | 158 | 0.178 | 4 | 2.07 | 0.041 | 0.24 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 7 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|-----------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 649 | Soil | | 0.2 | 38.7 | 4.2 | 70 | <0.1 | 25.8 | 15.8 | 911 | 3.13 | <0.5 | <0.5 | <0.1 | 77 | 0.1 | <0.1 | <0.1 | 70 | 0.58 | 0.016 | 13 |
| EH 650 | Soil | | 0.4 | 34.3 | 4.8 | 62 | <0.1 | 27.0 | 14.3 | 543 | 3.21 | 0.8 | <0.5 | <0.1 | 83 | 0.1 | 0.1 | <0.1 | 70 | 0.66 | 0.044 | 16 |
| SD PMS-111 | Rock Pulp | | 140.8 | 3739 | 25.1 | 68 | 2.6 | 36.8 | 21.6 | 410 | 4.61 | 56.6 | 479.7 | <0.1 | 32 | 0.3 | 3.9 | 0.4 | 131 | 0.33 | 0.089 | 12 |
| EH 651 | Soil | | 0.5 | 34.4 | 5.4 | 83 | <0.1 | 25.9 | 11.9 | 699 | 3.02 | 1.3 | <0.5 | <0.1 | 129 | 0.2 | 0.2 | <0.1 | 63 | 0.95 | 0.040 | 15 |
| EH 652 | Soil | | 0.6 | 24.5 | 5.4 | 86 | <0.1 | 18.9 | 9.0 | 525 | 2.36 | 2.3 | 0.9 | <0.1 | 65 | 0.1 | 0.2 | <0.1 | 57 | 0.53 | 0.026 | 10 |
| EH 653 | Soil | | 0.5 | 39.6 | 5.3 | 90 | <0.1 | 26.8 | 11.7 | 639 | 2.89 | 2.9 | <0.5 | <0.1 | 107 | 0.2 | 0.3 | <0.1 | 70 | 0.77 | 0.038 | 13 |
| EH 654 | Soil | | 0.4 | 29.6 | 6.4 | 61 | <0.1 | 18.2 | 8.9 | 683 | 2.28 | 3.0 | 1.4 | <0.1 | 61 | <0.1 | 0.2 | <0.1 | 54 | 0.47 | 0.022 | 15 |
| EH 655 | Soil | | 0.3 | 23.8 | 6.3 | 60 | <0.1 | 10.4 | 6.2 | 420 | 1.95 | 4.0 | <0.5 | <0.1 | 76 | 0.1 | 0.1 | <0.1 | 42 | 0.57 | 0.030 | 20 |
| EH 656 | Soil | | 0.2 | 34.2 | 7.3 | 57 | 0.1 | 14.5 | 7.2 | 400 | 2.40 | 2.7 | <0.5 | <0.1 | 115 | 0.1 | 0.2 | <0.1 | 46 | 0.83 | 0.042 | 31 |
| EH 657 | Soil | | 0.2 | 21.1 | 5.8 | 69 | <0.1 | 12.7 | 7.3 | 311 | 2.16 | 2.0 | 0.7 | <0.1 | 85 | <0.1 | 0.2 | <0.1 | 54 | 0.58 | 0.029 | 18 |
| EH 658 | Soil | | 0.4 | 31.0 | 6.1 | 106 | <0.1 | 20.6 | 10.4 | 737 | 2.76 | 2.1 | <0.5 | <0.1 | 124 | 0.1 | 0.2 | 0.3 | 60 | 0.85 | 0.032 | 14 |
| EH 659 | Soil | | 0.3 | 37.5 | 5.2 | 78 | <0.1 | 18.8 | 9.8 | 369 | 2.73 | 1.8 | <0.5 | <0.1 | 117 | 0.1 | 0.2 | 0.2 | 59 | 0.61 | 0.033 | 17 |
| EH 660 | Soil | | 0.3 | 33.1 | 5.4 | 126 | <0.1 | 18.8 | 12.3 | 792 | 2.92 | 2.0 | 0.6 | <0.1 | 138 | 0.1 | 0.1 | <0.1 | 54 | 0.81 | 0.038 | 17 |
| EH 661 | Soil | | 0.4 | 24.4 | 4.7 | 71 | <0.1 | 17.5 | 9.4 | 430 | 2.82 | 1.4 | 1.9 | <0.1 | 168 | 0.1 | 0.2 | <0.1 | 56 | 0.73 | 0.030 | 10 |
| EH 662 | Soil | | 0.5 | 32.7 | 12.3 | 114 | <0.1 | 19.7 | 12.8 | 1193 | 3.24 | 2.7 | 6.3 | <0.1 | 162 | 0.2 | 0.2 | <0.1 | 69 | 0.98 | 0.046 | 15 |
| EH 663 | Soil | | 0.4 | 28.8 | 11.1 | 128 | <0.1 | 18.2 | 11.6 | 1172 | 2.66 | 1.7 | 4.5 | <0.1 | 127 | 0.2 | 0.2 | <0.1 | 59 | 0.66 | 0.032 | 14 |
| EH 664 | Soil | | 0.5 | 22.1 | 6.3 | 54 | <0.1 | 13.5 | 7.3 | 418 | 2.13 | 2.6 | 2.1 | <0.1 | 112 | <0.1 | 0.4 | <0.1 | 56 | 0.57 | 0.025 | 12 |
| EH 665 | Soil | | 0.7 | 18.6 | 5.1 | 58 | <0.1 | 16.8 | 8.9 | 492 | 2.10 | 1.5 | <0.5 | <0.1 | 88 | <0.1 | 0.2 | <0.1 | 59 | 0.47 | 0.016 | 6 |
| EH 666 | Soil | | 0.6 | 15.6 | 4.6 | 57 | <0.1 | 8.6 | 4.5 | 397 | 1.55 | 1.0 | 0.9 | <0.1 | 95 | <0.1 | 0.1 | <0.1 | 35 | 0.43 | 0.020 | 16 |
| EH 667 | Soil | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 668 | Soil | | 0.8 | 40.1 | 20.5 | 162 | 0.1 | 19.8 | 10.7 | 4683 | 2.95 | 6.2 | 8.9 | <0.1 | 117 | 0.5 | 1.2 | <0.1 | 58 | 1.27 | 0.058 | 33 |
| EH 669 | Soil | | 0.5 | 34.3 | 7.7 | 79 | <0.1 | 19.6 | 11.0 | 1535 | 3.05 | 2.7 | 2.0 | <0.1 | 165 | 0.2 | 0.5 | 0.3 | 65 | 0.87 | 0.027 | 16 |
| EH 670 | Soil | | 0.5 | 22.4 | 5.7 | 90 | <0.1 | 17.2 | 8.3 | 1084 | 2.31 | 1.2 | 18.6 | <0.1 | 97 | 0.2 | 0.4 | 0.1 | 54 | 0.61 | 0.022 | 13 |
| EH 671 | Soil | | 0.5 | 26.3 | 6.7 | 101 | <0.1 | 20.2 | 8.6 | 1164 | 2.67 | 1.6 | 14.0 | <0.1 | 92 | 0.1 | 0.4 | <0.1 | 54 | 0.61 | 0.053 | 16 |
| EH 672 | Soil | | 0.9 | 16.3 | 3.8 | 55 | <0.1 | 11.9 | 5.0 | 473 | 1.51 | 0.7 | <0.5 | <0.1 | 126 | <0.1 | <0.1 | <0.1 | 38 | 0.43 | 0.017 | 5 |
| EH 673 | Soil | | 0.3 | 20.1 | 4.8 | 65 | <0.1 | 16.9 | 8.1 | 496 | 2.70 | <0.5 | 0.7 | <0.1 | 160 | <0.1 | 0.1 | <0.1 | 62 | 0.69 | 0.025 | 20 |
| EH 674 | Soil | | 1.5 | 24.6 | 4.9 | 99 | <0.1 | 16.9 | 9.4 | 1368 | 2.13 | 1.1 | <0.5 | <0.1 | 170 | <0.1 | 0.1 | <0.1 | 48 | 0.67 | 0.037 | 11 |
| EH 675 | Soil | | 0.5 | 36.1 | 4.4 | 79 | <0.1 | 22.3 | 12.7 | 975 | 2.71 | 1.8 | 1.1 | <0.1 | 296 | 0.1 | <0.1 | <0.1 | 60 | 0.92 | 0.063 | 15 |
| EH 676 | Soil | | 0.4 | 35.4 | 4.5 | 80 | <0.1 | 22.4 | 12.2 | 884 | 2.67 | 0.8 | 5.7 | <0.1 | 194 | 0.1 | 0.1 | <0.1 | 54 | 0.86 | 0.043 | 14 |
| EH 677 | Soil | | 0.5 | 30.6 | 4.6 | 91 | <0.1 | 22.7 | 10.8 | 929 | 2.67 | 1.0 | <0.5 | <0.1 | 107 | 0.1 | 0.1 | <0.1 | 52 | 0.80 | 0.045 | 10 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 7 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 649 | Soil | 20 | 0.73 | 79 | 0.228 | 4 | 1.83 | 0.061 | 0.34 | <0.1 | 0.01 | 8.8 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| EH 650 | Soil | 35 | 0.55 | 91 | 0.161 | 5 | 2.37 | 0.038 | 0.32 | <0.1 | 0.02 | 9.6 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| SD PMS-111 | Rock Pulp | 55 | 0.92 | 48 | 0.129 | 3 | 1.38 | 0.037 | 0.95 | 4.4 | 0.08 | 11.8 | 0.5 | 1.97 | 6 | 6.9 | 0.9 |
| EH 651 | Soil | 34 | 0.59 | 173 | 0.130 | 7 | 2.72 | 0.031 | 0.22 | <0.1 | 0.05 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 652 | Soil | 26 | 0.50 | 102 | 0.138 | 6 | 1.93 | 0.027 | 0.28 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 653 | Soil | 34 | 0.62 | 155 | 0.159 | 7 | 2.54 | 0.025 | 0.34 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 654 | Soil | 23 | 0.45 | 117 | 0.111 | 6 | 1.83 | 0.024 | 0.37 | <0.1 | 0.01 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 655 | Soil | 13 | 0.31 | 143 | 0.058 | 5 | 1.20 | 0.017 | 0.25 | <0.1 | 0.02 | 3.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 656 | Soil | 18 | 0.50 | 83 | 0.046 | 12 | 1.64 | 0.018 | 0.33 | <0.1 | 0.04 | 5.5 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 657 | Soil | 17 | 0.37 | 98 | 0.075 | 6 | 1.84 | 0.021 | 0.21 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 658 | Soil | 26 | 0.49 | 191 | 0.131 | 9 | 2.62 | 0.026 | 0.27 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 659 | Soil | 24 | 0.47 | 125 | 0.109 | 8 | 2.12 | 0.021 | 0.35 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| EH 660 | Soil | 21 | 0.49 | 141 | 0.096 | 13 | 2.06 | 0.022 | 0.38 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 661 | Soil | 25 | 0.49 | 131 | 0.157 | 8 | 2.48 | 0.027 | 0.23 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 662 | Soil | 24 | 0.64 | 181 | 0.148 | 11 | 2.34 | 0.028 | 0.41 | <0.1 | 0.04 | 8.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 663 | Soil | 22 | 0.52 | 180 | 0.142 | 8 | 2.23 | 0.027 | 0.39 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 664 | Soil | 18 | 0.41 | 154 | 0.139 | 6 | 1.46 | 0.029 | 0.35 | <0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 665 | Soil | 25 | 0.49 | 142 | 0.145 | 4 | 1.62 | 0.029 | 0.24 | <0.1 | 0.02 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 666 | Soil | 13 | 0.29 | 125 | 0.062 | 3 | 1.20 | 0.040 | 0.22 | <0.1 | 0.02 | 2.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 667 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 668 | Soil | 19 | 0.50 | 284 | 0.061 | 8 | 2.63 | 0.023 | 0.26 | 0.1 | 0.08 | 11.3 | <0.1 | <0.05 | 9 | 0.7 | <0.2 |
| EH 669 | Soil | 22 | 0.55 | 192 | 0.143 | 5 | 2.45 | 0.032 | 0.30 | <0.1 | 0.03 | 7.9 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 670 | Soil | 21 | 0.47 | 156 | 0.128 | 5 | 1.90 | 0.025 | 0.34 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 671 | Soil | 27 | 0.49 | 147 | 0.114 | 5 | 2.38 | 0.028 | 0.32 | <0.1 | 0.03 | 6.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 672 | Soil | 15 | 0.39 | 239 | 0.098 | 4 | 1.59 | 0.027 | 0.25 | <0.1 | 0.02 | 3.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 673 | Soil | 17 | 0.63 | 208 | 0.117 | 3 | 1.96 | 0.076 | 0.50 | <0.1 | 0.02 | 4.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 674 | Soil | 18 | 0.48 | 282 | 0.097 | 7 | 1.94 | 0.028 | 0.37 | <0.1 | 0.04 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 675 | Soil | 21 | 0.57 | 290 | 0.046 | 10 | 2.75 | 0.036 | 0.47 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 676 | Soil | 25 | 0.53 | 248 | 0.059 | 8 | 2.76 | 0.030 | 0.40 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 677 | Soil | 28 | 0.53 | 143 | 0.112 | 8 | 2.36 | 0.033 | 0.27 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 8 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 678 | Soil | 0.5 | 30.3 | 5.0 | 73 | <0.1 | 22.0 | 10.4 | 767 | 2.78 | 1.1 | <0.5 | <0.1 | 114 | <0.1 | 0.2 | <0.1 | 66 | 0.65 | 0.031 | 12 |
| EH 679 | Soil | 0.5 | 38.9 | 4.4 | 79 | <0.1 | 29.4 | 13.8 | 852 | 3.23 | 0.7 | <0.5 | <0.1 | 85 | 0.1 | 0.1 | <0.1 | 72 | 0.70 | 0.033 | 14 |
| EH 680 | Soil | 0.4 | 32.1 | 4.4 | 83 | <0.1 | 26.8 | 12.4 | 704 | 2.88 | 0.8 | <0.5 | <0.1 | 93 | 0.2 | <0.1 | 0.2 | 59 | 0.70 | 0.041 | 12 |
| EH 681 | Soil | 0.5 | 38.8 | 4.8 | 64 | <0.1 | 24.3 | 12.8 | 651 | 3.28 | <0.5 | <0.5 | <0.1 | 123 | 0.2 | <0.1 | <0.1 | 76 | 0.81 | 0.035 | 11 |
| EH 682 | Soil | 0.5 | 27.0 | 4.4 | 85 | <0.1 | 25.1 | 12.2 | 704 | 2.61 | 0.8 | <0.5 | <0.1 | 88 | 0.2 | <0.1 | <0.1 | 57 | 0.52 | 0.028 | 11 |
| EH 683 | Soil | 0.5 | 22.0 | 4.8 | 72 | <0.1 | 20.6 | 10.5 | 756 | 2.24 | 0.5 | 0.6 | <0.1 | 76 | 0.1 | 0.1 | <0.1 | 55 | 0.46 | 0.023 | 7 |
| EH 684 | Soil | 0.4 | 36.6 | 3.9 | 82 | <0.1 | 25.1 | 12.9 | 684 | 3.05 | 0.5 | <0.5 | <0.1 | 91 | 0.1 | <0.1 | 0.2 | 68 | 0.62 | 0.030 | 17 |
| EH 685 | Soil | 0.1 | 20.3 | 5.0 | 27 | <0.1 | 12.8 | 4.2 | 138 | 1.16 | 1.6 | <0.5 | <0.1 | 42 | <0.1 | <0.1 | 0.1 | 21 | 0.39 | 0.021 | 11 |
| EH 686 | Soil | 0.4 | 26.2 | 5.1 | 60 | <0.1 | 20.0 | 8.9 | 349 | 2.52 | 1.8 | 0.7 | <0.1 | 93 | 0.1 | 0.3 | 0.2 | 59 | 0.53 | 0.031 | 17 |
| EH 687 | Soil | 0.4 | 21.7 | 5.6 | 137 | <0.1 | 14.1 | 6.7 | 1155 | 2.14 | 1.8 | 1.2 | <0.1 | 78 | 0.1 | 0.3 | <0.1 | 50 | 0.72 | 0.047 | 15 |
| EH 688 | Soil | 0.6 | 25.2 | 5.8 | 90 | <0.1 | 19.3 | 8.9 | 997 | 2.43 | 2.5 | 19.7 | <0.1 | 87 | 0.2 | 0.3 | <0.1 | 57 | 0.64 | 0.035 | 16 |
| EH 689 | Soil | 0.6 | 22.6 | 6.0 | 62 | <0.1 | 17.8 | 8.5 | 573 | 2.17 | 3.7 | <0.5 | <0.1 | 98 | 0.1 | 0.4 | <0.1 | 58 | 0.55 | 0.025 | 14 |
| EH 690 | Soil | 0.6 | 22.8 | 5.3 | 61 | <0.1 | 15.0 | 6.8 | 532 | 2.08 | 2.5 | 0.8 | <0.1 | 87 | <0.1 | 0.3 | <0.1 | 53 | 0.48 | 0.024 | 12 |
| EH 691 | Soil | 0.4 | 16.3 | 5.5 | 40 | <0.1 | 8.4 | 5.2 | 213 | 1.64 | 1.4 | <0.5 | <0.1 | 185 | <0.1 | 0.2 | <0.1 | 45 | 0.55 | 0.026 | 5 |
| EH 692 | Soil | 0.6 | 21.6 | 4.6 | 64 | <0.1 | 15.8 | 8.4 | 689 | 1.79 | 1.7 | 0.9 | <0.1 | 75 | <0.1 | 0.2 | <0.1 | 51 | 0.52 | 0.037 | 7 |
| EH 693 | Soil | 0.5 | 19.4 | 4.7 | 54 | <0.1 | 15.0 | 6.2 | 507 | 1.97 | 2.2 | 1.1 | <0.1 | 93 | <0.1 | 0.3 | <0.1 | 48 | 0.50 | 0.021 | 12 |
| EH 694 | Soil | 0.4 | 13.9 | 5.4 | 39 | <0.1 | 8.1 | 5.1 | 565 | 1.48 | 1.4 | 0.7 | <0.1 | 235 | <0.1 | 0.2 | <0.1 | 37 | 0.63 | 0.015 | 13 |
| EH 695 | Soil | 0.3 | 18.9 | 6.2 | 56 | <0.1 | 10.6 | 5.7 | 661 | 1.77 | 1.3 | <0.5 | <0.1 | 208 | 0.1 | 0.1 | <0.1 | 40 | 0.84 | 0.038 | 18 |
| EH 696 | Soil | 0.5 | 25.3 | 5.6 | 68 | <0.1 | 18.1 | 7.8 | 682 | 2.24 | 1.8 | <0.5 | <0.1 | 85 | 0.1 | 0.2 | <0.1 | 48 | 0.68 | 0.027 | 17 |
| EH 697 | Soil | 0.4 | 26.0 | 4.6 | 71 | 0.2 | 19.7 | 8.8 | 477 | 2.28 | 2.6 | 1.6 | <0.1 | 57 | <0.1 | 0.2 | <0.1 | 51 | 0.54 | 0.037 | 8 |
| EH 698 | Soil | 0.3 | 29.7 | 4.5 | 69 | <0.1 | 19.4 | 9.2 | 467 | 2.43 | 1.2 | 0.7 | <0.1 | 87 | 0.1 | 0.1 | <0.1 | 53 | 0.51 | 0.040 | 7 |
| EH 699 | Soil | 0.6 | 26.2 | 3.4 | 115 | <0.1 | 21.1 | 8.5 | 778 | 2.19 | 0.8 | <0.5 | <0.1 | 56 | <0.1 | <0.1 | <0.1 | 42 | 0.45 | 0.069 | 4 |
| EH 700 | Soil | 0.5 | 32.7 | 4.0 | 101 | <0.1 | 24.8 | 12.9 | 1124 | 3.11 | <0.5 | <0.5 | <0.1 | 73 | 0.2 | <0.1 | <0.1 | 78 | 0.63 | 0.041 | 10 |
| SD PMS-99 | Rock Pulp | 128.4 | 3623 | 24.3 | 59 | 2.4 | 36.1 | 20.1 | 402 | 4.24 | 53.8 | 465.2 | <0.1 | 30 | 0.4 | 3.6 | 0.4 | 127 | 0.31 | 0.093 | 11 |
| EH 701 | Soil | 0.5 | 25.6 | 4.7 | 59 | <0.1 | 19.5 | 12.8 | 441 | 2.52 | 1.8 | 0.7 | <0.1 | 84 | <0.1 | 0.1 | <0.1 | 68 | 0.57 | 0.027 | 6 |
| EH 702 | Soil | 0.4 | 38.8 | 4.1 | 64 | 0.1 | 29.1 | 15.0 | 380 | 3.31 | 1.7 | <0.5 | <0.1 | 92 | 0.2 | 0.1 | <0.1 | 84 | 0.71 | 0.052 | 16 |
| EH 703 | Soil | 0.5 | 26.6 | 5.2 | 60 | <0.1 | 24.2 | 13.0 | 446 | 2.85 | 1.5 | 0.7 | <0.1 | 78 | 0.1 | 0.1 | <0.1 | 72 | 0.66 | 0.037 | 9 |
| EH 704 | Soil | 0.5 | 32.1 | 3.8 | 114 | <0.1 | 24.1 | 11.5 | 721 | 2.98 | 0.9 | <0.5 | <0.1 | 63 | 0.1 | <0.1 | <0.1 | 64 | 0.66 | 0.044 | 11 |
| EH 705 | Soil | 0.5 | 43.7 | 3.8 | 70 | <0.1 | 34.7 | 14.2 | 627 | 3.12 | 2.6 | <0.5 | <0.1 | 91 | <0.1 | <0.1 | <0.1 | 75 | 0.97 | 0.056 | 25 |
| EH 706 | Soil | 0.7 | 36.9 | 4.2 | 97 | <0.1 | 25.1 | 12.4 | 909 | 2.64 | 1.3 | <0.5 | <0.1 | 97 | 0.1 | <0.1 | <0.1 | 55 | 0.64 | 0.046 | 13 |

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.

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-------------------|-----------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| | | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 678 | Soil | | 31 | 0.53 | 126 | 0.143 | 6 | 2.44 | 0.040 | 0.21 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 679 | Soil | | 39 | 0.82 | 112 | 0.157 | 5 | 2.72 | 0.042 | 0.18 | <0.1 | 0.02 | 9.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 680 | Soil | | 30 | 0.58 | 113 | 0.163 | 5 | 2.30 | 0.039 | 0.23 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 681 | Soil | | 21 | 0.60 | 134 | 0.230 | 4 | 2.18 | 0.072 | 0.22 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 682 | Soil | | 30 | 0.58 | 139 | 0.185 | 3 | 2.20 | 0.036 | 0.15 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 683 | Soil | | 26 | 0.45 | 128 | 0.158 | 3 | 1.85 | 0.039 | 0.12 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 684 | Soil | | 31 | 0.82 | 91 | 0.181 | 3 | 2.12 | 0.047 | 0.22 | <0.1 | 0.01 | 8.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 685 | Soil | | 12 | 0.39 | 124 | 0.083 | 4 | 1.82 | 0.047 | 0.07 | <0.1 | 0.01 | 3.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 686 | Soil | | 30 | 0.55 | 215 | 0.144 | 3 | 2.37 | 0.034 | 0.14 | <0.1 | 0.04 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 687 | Soil | | 22 | 0.40 | 309 | 0.120 | 5 | 2.14 | 0.025 | 0.14 | <0.1 | 0.24 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 688 | Soil | | 25 | 0.40 | 174 | 0.119 | 4 | 2.24 | 0.029 | 0.20 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 689 | Soil | | 26 | 0.40 | 170 | 0.128 | 4 | 1.75 | 0.024 | 0.21 | <0.1 | 0.05 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 690 | Soil | | 21 | 0.37 | 143 | 0.127 | 5 | 1.41 | 0.034 | 0.32 | <0.1 | 0.06 | 4.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 691 | Soil | | 15 | 0.38 | 349 | 0.106 | 2 | 1.33 | 0.109 | 0.13 | <0.1 | 0.01 | 2.4 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| EH 692 | Soil | | 22 | 0.41 | 163 | 0.112 | 3 | 1.66 | 0.035 | 0.15 | <0.1 | 0.03 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 693 | Soil | | 21 | 0.37 | 143 | 0.109 | 4 | 1.71 | 0.028 | 0.16 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 694 | Soil | | 13 | 0.33 | 441 | 0.075 | 2 | 1.57 | 0.072 | 0.22 | <0.1 | 0.03 | 3.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 695 | Soil | | 17 | 0.36 | 592 | 0.065 | 7 | 2.09 | 0.028 | 0.33 | <0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 696 | Soil | | 26 | 0.40 | 143 | 0.096 | 4 | 2.12 | 0.030 | 0.22 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 697 | Soil | | 24 | 0.49 | 119 | 0.113 | 4 | 2.05 | 0.024 | 0.19 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 698 | Soil | | 24 | 0.52 | 135 | 0.138 | 6 | 2.15 | 0.028 | 0.18 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 699 | Soil | | 23 | 0.53 | 143 | 0.116 | 3 | 1.94 | 0.022 | 0.16 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 700 | Soil | | 23 | 0.65 | 107 | 0.181 | 4 | 2.00 | 0.047 | 0.13 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| SD PMS-99 | Rock Pulp | | 55 | 0.88 | 47 | 0.126 | 1 | 1.29 | 0.039 | 0.89 | 4.2 | 0.06 | 11.2 | 0.5 | 1.87 | 6 | 6.0 | 0.9 |
| EH 701 | Soil | | 26 | 0.58 | 113 | 0.174 | 2 | 2.35 | 0.038 | 0.07 | <0.1 | <0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 702 | Soil | | 35 | 0.58 | 89 | 0.212 | 3 | 2.11 | 0.036 | 0.11 | <0.1 | 0.03 | 9.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 703 | Soil | | 32 | 0.55 | 114 | 0.182 | 3 | 2.59 | 0.033 | 0.10 | <0.1 | <0.01 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 704 | Soil | | 33 | 0.68 | 108 | 0.150 | 5 | 2.30 | 0.029 | 0.11 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 705 | Soil | | 30 | 0.72 | 142 | 0.082 | 7 | 2.56 | 0.030 | 0.11 | <0.1 | 0.03 | 9.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 706 | Soil | | 29 | 0.54 | 229 | 0.102 | 5 | 2.61 | 0.025 | 0.26 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 9 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | % | % | ppm | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 707 | Soil | | 0.5 | 30.9 | 4.1 | 121 | <0.1 | 20.2 | 8.9 | 958 | 2.20 | 1.7 | <0.5 | <0.1 | 106 | 0.1 | 0.1 | <0.1 | 47 | 0.65 | 0.047 | 7 |
| EH 708 | Soil | | 0.3 | 16.9 | 4.7 | 58 | <0.1 | 12.2 | 6.1 | 445 | 1.80 | <0.5 | 1.9 | <0.1 | 111 | <0.1 | 0.2 | <0.1 | 43 | 0.42 | 0.017 | 18 |
| EH 709 | Soil | | 0.3 | 18.8 | 5.8 | 70 | <0.1 | 15.5 | 7.8 | 634 | 2.15 | 1.0 | 1.7 | <0.1 | 84 | 0.1 | 0.2 | <0.1 | 49 | 0.55 | 0.025 | 18 |
| EH 710 | Soil | | 0.3 | 25.8 | 4.5 | 73 | <0.1 | 21.2 | 9.1 | 568 | 2.82 | 0.9 | <0.5 | <0.1 | 89 | 0.1 | <0.1 | <0.1 | 53 | 0.55 | 0.032 | 26 |
| EH 711 | Soil | | 0.6 | 26.2 | 7.3 | 124 | 0.2 | 17.5 | 8.8 | 1789 | 2.43 | 3.3 | 6.7 | <0.1 | 76 | 0.3 | 0.8 | <0.1 | 57 | 0.65 | 0.040 | 20 |
| EH 712 | Soil | | 0.4 | 19.0 | 5.3 | 71 | 0.1 | 13.6 | 7.1 | 828 | 2.07 | 1.9 | 5.0 | <0.1 | 95 | 0.1 | 0.3 | 0.2 | 49 | 0.69 | 0.025 | 18 |
| EH 713 | Soil | | 0.5 | 20.8 | 4.9 | 140 | <0.1 | 17.9 | 6.7 | 1256 | 2.05 | 1.8 | 1.4 | <0.1 | 65 | 0.3 | 0.2 | 0.1 | 47 | 0.64 | 0.039 | 9 |
| EH 714 | Soil | | 0.5 | 24.7 | 6.0 | 98 | 0.3 | 19.4 | 7.7 | 856 | 2.32 | 2.4 | 57.1 | <0.1 | 97 | 0.2 | 0.3 | <0.1 | 57 | 0.71 | 0.043 | 16 |
| EH 715 | Soil | | 0.5 | 20.3 | 5.5 | 190 | <0.1 | 21.6 | 9.0 | 1238 | 2.20 | 2.8 | 7.4 | <0.1 | 92 | 0.4 | 0.2 | 0.2 | 46 | 0.86 | 0.091 | 8 |
| EH 716 | Soil | | 0.4 | 28.3 | 7.0 | 70 | <0.1 | 16.2 | 8.4 | 657 | 2.33 | 2.0 | 2.1 | <0.1 | 128 | 0.1 | 0.3 | 0.1 | 58 | 0.77 | 0.043 | 13 |
| EH 717 | Soil | | 0.3 | 23.5 | 6.4 | 191 | <0.1 | 21.7 | 8.3 | 611 | 2.50 | 2.2 | 1.7 | <0.1 | 74 | 0.2 | 0.2 | 0.1 | 54 | 0.79 | 0.071 | 9 |
| EH 718 | Soil | | 0.4 | 23.7 | 6.7 | 57 | <0.1 | 17.7 | 9.8 | 369 | 2.28 | 3.1 | 1.3 | <0.1 | 182 | 0.1 | 0.3 | 0.1 | 59 | 0.83 | 0.028 | 10 |
| EH 719 | Soil | | 0.4 | 24.5 | 5.2 | 63 | <0.1 | 16.5 | 9.2 | 463 | 2.22 | 1.9 | 0.9 | <0.1 | 112 | 0.1 | 0.2 | 0.1 | 58 | 0.68 | 0.033 | 8 |
| EH 720 | Soil | | 0.3 | 22.6 | 7.3 | 46 | <0.1 | 14.2 | 7.6 | 598 | 2.06 | 2.0 | 0.6 | <0.1 | 158 | 0.1 | 0.2 | 0.1 | 53 | 0.84 | 0.032 | 12 |
| EH 721 | Soil | | 0.3 | 19.2 | 6.2 | 54 | <0.1 | 11.0 | 4.9 | 342 | 1.67 | 1.7 | 0.9 | <0.1 | 141 | 0.1 | 0.1 | <0.1 | 46 | 0.61 | 0.025 | 8 |
| EH 722 | Soil | | 0.3 | 18.8 | 4.9 | 55 | <0.1 | 11.2 | 6.4 | 436 | 1.72 | 1.6 | 1.5 | <0.1 | 215 | <0.1 | 0.1 | <0.1 | 47 | 0.79 | 0.025 | 8 |
| EH 723 | Soil | | 0.2 | 11.8 | 6.9 | 44 | <0.1 | 7.2 | 3.5 | 268 | 1.44 | 1.9 | 0.7 | <0.1 | 373 | <0.1 | 0.1 | <0.1 | 37 | 1.07 | 0.030 | 15 |
| EH 724 | Soil | | 0.3 | 11.7 | 7.7 | 23 | <0.1 | 5.7 | 3.7 | 170 | 1.38 | 1.5 | <0.5 | <0.1 | 396 | <0.1 | 0.2 | 0.2 | 35 | 1.18 | 0.014 | 17 |
| EH 725 | Soil | | 0.3 | 22.1 | 5.2 | 97 | <0.1 | 16.8 | 7.2 | 358 | 2.29 | 1.5 | 1.5 | <0.1 | 98 | 0.1 | 0.2 | 0.1 | 50 | 0.64 | 0.032 | 6 |
| EH 726 | Soil | | 0.4 | 20.8 | 4.1 | 68 | <0.1 | 16.1 | 7.3 | 367 | 2.07 | 1.4 | 0.5 | <0.1 | 80 | 0.1 | 0.1 | <0.1 | 52 | 0.51 | 0.019 | 5 |
| EH 727 | Soil | | 0.4 | 30.8 | 6.4 | 57 | <0.1 | 19.0 | 9.6 | 408 | 2.47 | 2.3 | 0.6 | <0.1 | 91 | <0.1 | 0.2 | <0.1 | 68 | 0.61 | 0.020 | 14 |
| EH 728 | Soil | | 0.3 | 21.6 | 6.2 | 59 | <0.1 | 15.4 | 7.9 | 403 | 2.10 | 1.8 | 1.0 | <0.1 | 90 | <0.1 | 0.2 | <0.1 | 60 | 0.52 | 0.028 | 13 |
| EH 729 | Soil | | 0.3 | 33.8 | 5.2 | 57 | <0.1 | 18.8 | 10.4 | 433 | 2.62 | 2.9 | 1.0 | <0.1 | 255 | 0.1 | 0.2 | <0.1 | 77 | 0.83 | 0.033 | 13 |
| EH 730 | Soil | | 0.3 | 35.3 | 4.2 | 66 | <0.1 | 18.1 | 12.3 | 668 | 2.84 | 3.6 | 0.8 | <0.1 | 94 | 0.1 | 0.3 | <0.1 | 78 | 0.65 | 0.028 | 14 |
| EH 731 | Soil | | 0.6 | 46.9 | 6.0 | 90 | <0.1 | 22.1 | 17.2 | 1154 | 3.54 | 8.1 | <0.5 | <0.1 | 146 | 0.3 | 0.3 | <0.1 | 105 | 1.02 | 0.065 | 10 |
| EH 732 | Soil | | 0.3 | 8.6 | 5.9 | 60 | <0.1 | 5.7 | 3.3 | 565 | 1.39 | 0.9 | 4.1 | <0.1 | 50 | 0.2 | 0.2 | <0.1 | 25 | 0.43 | 0.015 | 22 |
| EH 733 | Soil | | 0.3 | 22.1 | 7.0 | 68 | <0.1 | 11.7 | 6.6 | 603 | 2.07 | 1.3 | 0.6 | <0.1 | 62 | 0.2 | 0.2 | <0.1 | 44 | 0.56 | 0.021 | 21 |
| EH 734 | Soil | | 0.2 | 13.5 | 8.3 | 77 | <0.1 | 5.9 | 3.6 | 636 | 2.06 | 1.4 | <0.5 | <0.1 | 151 | 0.2 | 0.1 | <0.1 | 31 | 0.88 | 0.029 | 34 |
| EH 735 | Soil | | 0.3 | 17.0 | 7.5 | 75 | <0.1 | 11.2 | 5.4 | 390 | 1.84 | 1.8 | <0.5 | <0.1 | 173 | 0.1 | 0.1 | <0.1 | 46 | 1.06 | 0.033 | 15 |
| EH 736 | Soil | | 0.2 | 17.2 | 11.2 | 81 | <0.1 | 10.7 | 6.1 | 847 | 2.10 | 5.7 | <0.5 | <0.1 | 139 | 0.2 | 0.1 | 0.2 | 39 | 1.25 | 0.046 | 25 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 9 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 707 | Soil | 21 | 0.46 | 178 | 0.097 | 6 | 2.24 | 0.024 | 0.28 | <0.1 | 0.03 | 5.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 708 | Soil | 13 | 0.37 | 153 | 0.081 | 3 | 1.24 | 0.026 | 0.28 | <0.1 | <0.01 | 3.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 709 | Soil | 17 | 0.44 | 155 | 0.092 | 2 | 1.71 | 0.027 | 0.18 | <0.1 | 0.02 | 4.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 710 | Soil | 16 | 0.57 | 170 | 0.064 | 4 | 1.92 | 0.025 | 0.27 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 711 | Soil | 21 | 0.43 | 195 | 0.118 | 4 | 2.19 | 0.024 | 0.25 | <0.1 | 0.05 | 4.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 712 | Soil | 18 | 0.41 | 140 | 0.117 | 3 | 1.75 | 0.034 | 0.20 | <0.1 | 0.03 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 713 | Soil | 21 | 0.40 | 159 | 0.124 | 5 | 2.35 | 0.023 | 0.21 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 714 | Soil | 25 | 0.45 | 163 | 0.137 | 5 | 2.36 | 0.025 | 0.24 | <0.1 | 0.04 | 5.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 715 | Soil | 21 | 0.49 | 215 | 0.103 | 7 | 2.78 | 0.025 | 0.17 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 716 | Soil | 23 | 0.48 | 152 | 0.140 | 7 | 2.10 | 0.024 | 0.34 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 717 | Soil | 23 | 0.53 | 125 | 0.118 | 12 | 2.92 | 0.025 | 0.40 | <0.1 | 0.01 | 5.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 718 | Soil | 26 | 0.46 | 349 | 0.146 | 4 | 2.13 | 0.030 | 0.32 | <0.1 | <0.01 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 719 | Soil | 22 | 0.49 | 222 | 0.162 | 5 | 2.00 | 0.023 | 0.26 | <0.1 | <0.01 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 720 | Soil | 22 | 0.42 | 392 | 0.109 | 4 | 2.24 | 0.065 | 0.25 | <0.1 | 0.02 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 721 | Soil | 18 | 0.37 | 413 | 0.128 | 5 | 1.90 | 0.020 | 0.46 | <0.1 | <0.01 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 722 | Soil | 16 | 0.40 | 429 | 0.115 | 5 | 2.24 | 0.055 | 0.34 | <0.1 | 0.02 | 3.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 723 | Soil | 12 | 0.35 | 595 | 0.071 | 4 | 2.62 | 0.107 | 0.47 | <0.1 | 0.02 | 2.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 724 | Soil | 10 | 0.39 | 450 | 0.109 | 4 | 2.74 | 0.079 | 0.23 | <0.1 | <0.01 | 2.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 725 | Soil | 24 | 0.39 | 177 | 0.138 | 7 | 2.40 | 0.026 | 0.16 | <0.1 | <0.01 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 726 | Soil | 24 | 0.43 | 143 | 0.164 | 4 | 1.80 | 0.026 | 0.23 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 727 | Soil | 30 | 0.44 | 144 | 0.165 | 4 | 2.13 | 0.030 | 0.16 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 728 | Soil | 21 | 0.44 | 176 | 0.147 | 4 | 2.02 | 0.032 | 0.20 | <0.1 | <0.01 | 4.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 729 | Soil | 25 | 0.56 | 247 | 0.217 | 6 | 2.41 | 0.027 | 0.30 | <0.1 | 0.05 | 7.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 730 | Soil | 19 | 0.63 | 160 | 0.191 | 6 | 1.97 | 0.027 | 0.24 | <0.1 | 0.02 | 10.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 731 | Soil | 25 | 0.84 | 197 | 0.201 | 4 | 3.17 | 0.029 | 0.29 | <0.1 | 0.03 | 9.9 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 732 | Soil | 7 | 0.30 | 88 | 0.044 | 2 | 1.09 | 0.059 | 0.37 | <0.1 | <0.01 | 1.9 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| EH 733 | Soil | 17 | 0.41 | 110 | 0.089 | 3 | 1.79 | 0.035 | 0.23 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 734 | Soil | 9 | 0.45 | 292 | 0.028 | 4 | 2.14 | 0.067 | 0.24 | <0.1 | 0.03 | 3.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 735 | Soil | 16 | 0.43 | 285 | 0.098 | 3 | 2.67 | 0.118 | 0.30 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 736 | Soil | 13 | 0.36 | 231 | 0.042 | 4 | 3.05 | 0.296 | 0.24 | <0.1 | 0.03 | 5.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 10 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 737 | Soil | 0.5 | 28.7 | 5.1 | 96 | <0.1 | 20.7 | 9.4 | 589 | 2.40 | 3.1 | 0.5 | <0.1 | 80 | 0.1 | 0.2 | 0.1 | 57 | 0.63 | 0.050 | 7 |
| EH 738 | Soil | 0.5 | 26.3 | 4.5 | 103 | <0.1 | 20.8 | 8.2 | 666 | 2.31 | 2.8 | 1.4 | <0.1 | 77 | 0.1 | 0.2 | <0.1 | 54 | 0.62 | 0.041 | 7 |
| EH 739 | Soil | 0.4 | 21.3 | 9.4 | 55 | <0.1 | 14.5 | 8.4 | 835 | 2.14 | 1.3 | 0.8 | <0.1 | 119 | 0.1 | 0.3 | 0.1 | 51 | 0.79 | 0.013 | 13 |
| EH 740 | Soil | 0.3 | 18.5 | 7.5 | 97 | <0.1 | 11.0 | 4.8 | 383 | 1.57 | 1.1 | 0.9 | <0.1 | 97 | 0.1 | <0.1 | <0.1 | 33 | 1.03 | 0.043 | 12 |
| EH 741 | Soil | 0.6 | 66.0 | 6.2 | 69 | <0.1 | 29.1 | 19.1 | 896 | 3.15 | 5.8 | 1.0 | <0.1 | 105 | 0.2 | 0.3 | <0.1 | 79 | 1.46 | 0.100 | 11 |
| EH 742 | Soil | 0.6 | 75.6 | 5.3 | 95 | <0.1 | 27.9 | 22.7 | 901 | 3.34 | 3.4 | 1.4 | <0.1 | 91 | 0.2 | 0.2 | <0.1 | 83 | 0.87 | 0.073 | 11 |
| EH 743 | Soil | 0.6 | 55.9 | 5.0 | 62 | <0.1 | 29.6 | 13.6 | 448 | 3.15 | 4.5 | 1.0 | <0.1 | 94 | 0.2 | 0.3 | <0.1 | 91 | 0.89 | 0.041 | 12 |
| EH 744 | Soil | 0.6 | 44.6 | 5.8 | 63 | <0.1 | 27.0 | 16.4 | 985 | 2.96 | 3.3 | <0.5 | <0.1 | 117 | 0.3 | 0.3 | <0.1 | 90 | 0.96 | 0.021 | 10 |
| EH 745 | Soil | 0.7 | 61.4 | 5.6 | 79 | <0.1 | 30.6 | 18.3 | 881 | 3.25 | 5.5 | 0.9 | <0.1 | 110 | 0.3 | 0.3 | <0.1 | 89 | 1.31 | 0.115 | 10 |
| EH 746 | Soil | 0.6 | 51.5 | 5.9 | 67 | <0.1 | 24.5 | 17.7 | 801 | 3.35 | 3.8 | <0.5 | <0.1 | 107 | 0.2 | 0.2 | <0.1 | 86 | 1.13 | 0.041 | 10 |
| EH 747 | Soil | 0.5 | 53.1 | 4.0 | 75 | <0.1 | 26.6 | 18.9 | 745 | 3.52 | 2.7 | 1.3 | <0.1 | 123 | 0.1 | 0.2 | <0.1 | 98 | 0.93 | 0.067 | 11 |
| EH 748 | Soil | 0.5 | 44.2 | 4.5 | 60 | <0.1 | 17.9 | 14.8 | 597 | 2.99 | 2.5 | <0.5 | <0.1 | 112 | 0.1 | 0.8 | <0.1 | 108 | 0.82 | 0.054 | 10 |
| EH 749 | Soil | 0.7 | 53.6 | 6.2 | 70 | 0.1 | 28.1 | 15.4 | 841 | 2.96 | 6.9 | 1.0 | <0.1 | 128 | 0.2 | 0.3 | <0.1 | 79 | 1.28 | 0.124 | 12 |
| EH 750 | Soil | 0.9 | 56.2 | 5.5 | 87 | <0.1 | 26.3 | 18.9 | 1091 | 3.25 | 5.9 | 2.0 | <0.1 | 93 | 0.3 | 0.8 | <0.1 | 98 | 1.17 | 0.148 | 10 |
| SD PMS-93 | Rock Pulp | 134.0 | 3873 | 26.6 | 70 | 2.4 | 39.7 | 22.6 | 415 | 4.35 | 56.6 | 458.8 | <0.1 | 31 | 0.3 | 3.8 | 0.6 | 133 | 0.32 | 0.095 | 13 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 10 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001954.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 737 | Soil | 26 | 0.51 | 141 | 0.144 | 5 | 2.50 | 0.026 | 0.31 | <0.1 | <0.01 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 738 | Soil | 26 | 0.46 | 150 | 0.137 | 4 | 2.31 | 0.026 | 0.14 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 739 | Soil | 19 | 0.39 | 262 | 0.145 | 3 | 2.61 | 0.035 | 0.39 | <0.1 | 0.03 | 4.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 740 | Soil | 14 | 0.36 | 227 | 0.096 | 7 | 2.55 | 0.031 | 0.39 | <0.1 | 0.01 | 3.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 741 | Soil | 29 | 0.88 | 149 | 0.130 | 1 | 4.03 | 0.043 | 0.12 | <0.1 | 0.03 | 9.0 | <0.1 | <0.05 | 10 | <0.5 | <0.2 |
| EH 742 | Soil | 24 | 1.48 | 161 | 0.148 | 2 | 3.75 | 0.027 | 0.11 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 10 | 0.5 | <0.2 |
| EH 743 | Soil | 39 | 0.85 | 141 | 0.185 | 1 | 3.55 | 0.033 | 0.12 | <0.1 | 0.03 | 10.1 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 744 | Soil | 33 | 0.69 | 149 | 0.217 | 3 | 2.49 | 0.031 | 0.25 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 745 | Soil | 34 | 0.86 | 155 | 0.143 | 3 | 4.13 | 0.030 | 0.18 | <0.1 | 0.04 | 8.7 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 746 | Soil | 22 | 1.08 | 140 | 0.196 | 4 | 3.66 | 0.026 | 0.24 | <0.1 | 0.03 | 8.9 | <0.1 | <0.05 | 10 | <0.5 | <0.2 |
| EH 747 | Soil | 23 | 1.24 | 136 | 0.188 | 4 | 3.24 | 0.032 | 0.15 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 748 | Soil | 19 | 0.88 | 106 | 0.205 | 3 | 1.98 | 0.035 | 0.15 | <0.1 | 0.03 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 749 | Soil | 29 | 0.78 | 167 | 0.127 | 3 | 3.78 | 0.025 | 0.18 | <0.1 | 0.04 | 8.5 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 750 | Soil | 26 | 0.94 | 115 | 0.118 | 2 | 3.27 | 0.033 | 0.13 | <0.1 | 0.05 | 7.4 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| SD PMS-93 | Rock Pulp | 57 | 0.96 | 46 | 0.129 | 1 | 1.40 | 0.036 | 0.91 | 4.8 | 0.07 | 10.9 | 0.5 | 2.24 | 6 | 6.6 | 0.6 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001954.1

| Method | Analyte | Unit | MDL | 1DX15 Mo ppm | 1DX15 Cu ppm | 1DX15 Pb ppm | 1DX15 Zn ppm | 1DX15 Ag ppm | 1DX15 Ni ppm | 1DX15 Co ppm | 1DX15 Mn ppm | 1DX15 Fe % | 1DX15 As ppm | 1DX15 Au ppb | 1DX15 Th % | 1DX15 Sr ppm | 1DX15 Cd ppm | 1DX15 Sb ppm | 1DX15 Bi ppm | 1DX15 V ppm | 1DX15 Ca % | 1DX15 P % | 1DX15 La ppm |
|---------------------|-----------|------|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|------------|--------------|--------------|--------------|--------------|-------------|------------|-----------|--------------|
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | | | |
| EH 522 | Soil | | | 0.6 | 23.0 | 4.3 | 75 | <0.1 | 18.8 | 8.4 | 643 | 2.25 | 0.7 | <0.5 | <0.1 | 86 | 0.1 | 0.1 | <0.1 | 62 | 0.46 | 0.018 | 7 |
| REP EH 522 | QC | | | 0.5 | 22.3 | 4.1 | 74 | <0.1 | 17.5 | 8.3 | 645 | 2.20 | 0.8 | <0.5 | <0.1 | 84 | <0.1 | 0.1 | <0.1 | 61 | 0.43 | 0.018 | 7 |
| EH 557 | Soil | | | 0.4 | 33.4 | 4.3 | 82 | <0.1 | 23.0 | 14.3 | 671 | 2.96 | 1.0 | <0.5 | <0.1 | 97 | 0.1 | <0.1 | <0.1 | 72 | 0.58 | 0.035 | 13 |
| REP EH 557 | QC | | | 0.4 | 35.1 | 4.2 | 87 | <0.1 | 23.8 | 13.4 | 765 | 3.06 | 0.8 | 0.6 | <0.1 | 93 | 0.2 | 0.1 | <0.1 | 74 | 0.61 | 0.037 | 13 |
| EH 584 | Soil | | | 0.4 | 26.2 | 4.9 | 82 | <0.1 | 20.6 | 9.7 | 843 | 2.51 | 1.3 | 1.5 | <0.1 | 139 | 0.2 | 0.2 | <0.1 | 61 | 0.62 | 0.053 | 13 |
| REP EH 584 | QC | | | 0.4 | 26.2 | 5.0 | 81 | <0.1 | 20.6 | 9.5 | 844 | 2.50 | 1.3 | 6.2 | <0.1 | 138 | 0.2 | 0.2 | <0.1 | 62 | 0.64 | 0.055 | 13 |
| EH 619 | Soil | | | 0.4 | 39.6 | 6.5 | 65 | 0.1 | 23.8 | 8.7 | 392 | 2.53 | 3.6 | 6.3 | <0.1 | 108 | <0.1 | 0.3 | 0.2 | 56 | 0.94 | 0.052 | 14 |
| REP EH 619 | QC | | | 0.4 | 40.1 | 6.4 | 67 | 0.1 | 23.1 | 8.8 | 400 | 2.53 | 3.6 | 2.3 | <0.1 | 113 | 0.1 | 0.3 | 0.1 | 52 | 0.92 | 0.055 | 14 |
| EH 655 | Soil | | | 0.3 | 23.8 | 6.3 | 60 | <0.1 | 10.4 | 6.2 | 420 | 1.95 | 4.0 | <0.5 | <0.1 | 76 | 0.1 | 0.1 | <0.1 | 42 | 0.57 | 0.030 | 20 |
| REP EH 655 | QC | | | 0.3 | 22.9 | 6.3 | 62 | <0.1 | 10.4 | 6.4 | 423 | 1.92 | 4.4 | 0.8 | <0.1 | 77 | <0.1 | 0.2 | <0.1 | 41 | 0.52 | 0.031 | 18 |
| EH 692 | Soil | | | 0.6 | 21.6 | 4.6 | 64 | <0.1 | 15.8 | 8.4 | 689 | 1.79 | 1.7 | 0.9 | <0.1 | 75 | <0.1 | 0.2 | <0.1 | 51 | 0.52 | 0.037 | 7 |
| REP EH 692 | QC | | | 0.6 | 21.1 | 4.9 | 68 | <0.1 | 15.3 | 8.2 | 709 | 1.92 | 1.6 | <0.5 | <0.1 | 74 | 0.1 | 0.2 | <0.1 | 49 | 0.52 | 0.038 | 7 |
| EH 727 | Soil | | | 0.4 | 30.8 | 6.4 | 57 | <0.1 | 19.0 | 9.6 | 408 | 2.47 | 2.3 | 0.6 | <0.1 | 91 | <0.1 | 0.2 | <0.1 | 68 | 0.61 | 0.020 | 14 |
| REP EH 727 | QC | | | 0.4 | 30.6 | 6.4 | 54 | <0.1 | 19.5 | 9.3 | 423 | 2.64 | 2.2 | 0.7 | <0.1 | 91 | 0.1 | 0.2 | <0.1 | 65 | 0.63 | 0.020 | 14 |
| SD PMS-93 | Rock Pulp | | | 134.0 | 3873 | 26.6 | 70 | 2.4 | 39.7 | 22.6 | 415 | 4.35 | 56.6 | 458.8 | <0.1 | 31 | 0.3 | 3.8 | 0.6 | 133 | 0.32 | 0.095 | 13 |
| REP SD PMS-93 | QC | | | 138.4 | 3753 | 26.2 | 68 | 2.5 | 38.9 | 21.2 | 417 | 4.43 | 56.5 | 412.3 | <0.1 | 32 | 0.4 | 3.9 | 0.5 | 128 | 0.31 | 0.096 | 13 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | | | 13.7 | 149.5 | 139.5 | 338 | 1.8 | 78.3 | 12.9 | 1004 | 3.09 | 43.0 | 102.2 | <0.1 | 71 | 2.3 | 9.8 | 12.5 | 51 | 0.97 | 0.071 | 18 |
| STD DS11 | Standard | | | 13.2 | 141.4 | 130.9 | 325 | 1.8 | 73.3 | 12.8 | 975 | 2.98 | 41.0 | 69.0 | <0.1 | 69 | 2.3 | 9.1 | 10.7 | 48 | 0.96 | 0.066 | 19 |
| STD DS11 | Standard | | | 14.8 | 153.5 | 139.4 | 338 | 1.8 | 78.1 | 13.3 | 1008 | 3.11 | 42.7 | 153.8 | <0.1 | 71 | 2.3 | 9.5 | 11.6 | 50 | 0.98 | 0.069 | 19 |
| STD DS11 | Standard | | | 14.4 | 166.2 | 142.6 | 352 | 1.9 | 80.6 | 14.1 | 980 | 2.89 | 41.4 | 211.4 | <0.1 | 67 | 2.4 | 9.1 | 11.6 | 48 | 0.98 | 0.067 | 18 |
| STD DS11 | Standard | | | 14.8 | 150.5 | 129.6 | 341 | 1.9 | 76.6 | 13.8 | 975 | 3.12 | 42.6 | 80.0 | <0.1 | 69 | 2.7 | 9.2 | 11.2 | 50 | 1.02 | 0.073 | 18 |
| STD DS11 | Standard | | | 13.2 | 151.5 | 133.4 | 334 | 1.7 | 74.9 | 13.0 | 941 | 3.00 | 41.1 | 69.5 | <0.1 | 69 | 2.3 | 8.8 | 11.7 | 47 | 0.96 | 0.067 | 18 |
| STD DS11 | Standard | | | 13.3 | 148.1 | 154.4 | 331 | 1.8 | 79.2 | 13.4 | 1007 | 3.04 | 42.9 | 73.5 | <0.1 | 69 | 2.4 | 9.0 | 12.7 | 47 | 1.01 | 0.072 | 18 |
| STD DS11 | Standard | | | 14.6 | 159.4 | 131.7 | 343 | 1.9 | 78.0 | 13.6 | 1042 | 3.18 | 43.9 | 97.2 | <0.1 | 71 | 2.5 | 9.3 | 11.2 | 50 | 0.99 | 0.066 | 19 |
| STD DS11 | Standard | | | 14.1 | 157.4 | 136.8 | 328 | 1.8 | 77.2 | 13.7 | 1024 | 3.06 | 41.9 | 114.1 | <0.1 | 68 | 2.4 | 8.9 | 11.6 | 47 | 1.00 | 0.069 | 18 |
| STD DS9 | Standard | | | 13.1 | 111.3 | 129.8 | 317 | 1.8 | 41.3 | 7.7 | 595 | 2.39 | 26.7 | 123.8 | <0.1 | 84 | 2.5 | 6.7 | 7.3 | 45 | 0.73 | 0.085 | 15 |
| STD DS9 | Standard | | | 12.6 | 104.2 | 124.2 | 314 | 1.8 | 36.8 | 7.1 | 587 | 2.30 | 25.8 | 107.4 | <0.1 | 77 | 2.2 | 6.1 | 6.4 | 41 | 0.70 | 0.081 | 15 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 1 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001954.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| EH 522 | Soil | 28 | 0.41 | 162 | 0.147 | 2 | 1.82 | 0.036 | 0.17 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP EH 522 | QC | 27 | 0.40 | 161 | 0.136 | 2 | 1.75 | 0.035 | 0.17 | <0.1 | 0.01 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 557 | Soil | 31 | 0.61 | 131 | 0.157 | 3 | 2.41 | 0.060 | 0.15 | <0.1 | 0.01 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 557 | QC | 31 | 0.61 | 130 | 0.165 | 4 | 2.33 | 0.059 | 0.16 | <0.1 | <0.01 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 584 | Soil | 26 | 0.50 | 211 | 0.117 | 9 | 2.12 | 0.026 | 0.49 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 584 | QC | 27 | 0.50 | 213 | 0.122 | 9 | 2.15 | 0.027 | 0.48 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 619 | Soil | 28 | 0.56 | 187 | 0.099 | 12 | 1.93 | 0.023 | 0.29 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 619 | QC | 29 | 0.56 | 196 | 0.096 | 14 | 1.86 | 0.021 | 0.30 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 655 | Soil | 13 | 0.31 | 143 | 0.058 | 5 | 1.20 | 0.017 | 0.25 | <0.1 | 0.02 | 3.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP EH 655 | QC | 13 | 0.31 | 138 | 0.058 | 6 | 1.25 | 0.018 | 0.25 | <0.1 | 0.02 | 3.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 692 | Soil | 22 | 0.41 | 163 | 0.112 | 3 | 1.66 | 0.035 | 0.15 | <0.1 | 0.03 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP EH 692 | QC | 22 | 0.42 | 161 | 0.118 | 4 | 1.69 | 0.028 | 0.15 | <0.1 | 0.03 | 4.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 727 | Soil | 30 | 0.44 | 144 | 0.165 | 4 | 2.13 | 0.030 | 0.16 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 727 | QC | 28 | 0.45 | 149 | 0.168 | 3 | 2.22 | 0.029 | 0.16 | <0.1 | 0.01 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| SD PMS-93 | Rock Pulp | 57 | 0.96 | 46 | 0.129 | 1 | 1.40 | 0.036 | 0.91 | 4.8 | 0.07 | 10.9 | 0.5 | 2.24 | 6 | 6.6 | 0.6 |
| REP SD PMS-93 | QC | 56 | 0.89 | 46 | 0.133 | 2 | 1.32 | 0.035 | 0.85 | 5.0 | 0.08 | 11.2 | 0.5 | 2.10 | 6 | 7.1 | 0.9 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 58 | 0.83 | 364 | 0.092 | 6 | 1.08 | 0.069 | 0.38 | 3.0 | 0.26 | 3.4 | 4.6 | 0.28 | 5 | 2.4 | 5.0 |
| STD DS11 | Standard | 57 | 0.80 | 351 | 0.094 | 9 | 1.08 | 0.063 | 0.38 | 2.9 | 0.26 | 2.9 | 4.4 | 0.20 | 5 | 2.0 | 4.8 |
| STD DS11 | Standard | 59 | 0.83 | 371 | 0.098 | 6 | 1.10 | 0.067 | 0.37 | 3.2 | 0.26 | 2.9 | 4.8 | 0.26 | 5 | 2.4 | 4.3 |
| STD DS11 | Standard | 59 | 0.82 | 366 | 0.097 | 8 | 1.08 | 0.069 | 0.38 | 3.0 | 0.27 | 2.7 | 4.5 | 0.18 | 5 | 2.5 | 4.5 |
| STD DS11 | Standard | 60 | 0.86 | 367 | 0.096 | 7 | 1.10 | 0.066 | 0.37 | 3.1 | 0.27 | 3.0 | 4.5 | 0.20 | 5 | 2.0 | 4.5 |
| STD DS11 | Standard | 55 | 0.81 | 352 | 0.097 | 6 | 1.05 | 0.070 | 0.37 | 3.0 | 0.25 | 2.9 | 4.3 | 0.14 | 5 | 2.5 | 4.8 |
| STD DS11 | Standard | 56 | 0.81 | 348 | 0.090 | 8 | 1.04 | 0.065 | 0.37 | 3.0 | 0.27 | 2.8 | 4.4 | 0.24 | 5 | 2.3 | 4.3 |
| STD DS11 | Standard | 58 | 0.83 | 376 | 0.096 | 8 | 1.08 | 0.066 | 0.40 | 2.8 | 0.28 | 2.9 | 4.6 | 0.19 | 5 | 2.4 | 4.4 |
| STD DS11 | Standard | 58 | 0.79 | 362 | 0.096 | 7 | 1.05 | 0.061 | 0.35 | 3.0 | 0.27 | 2.8 | 4.6 | 0.24 | 4 | 1.8 | 4.4 |
| STD DS9 | Standard | 124 | 0.63 | 315 | 0.128 | 2 | 0.97 | 0.092 | 0.40 | 2.9 | 0.21 | 3.1 | 5.3 | 0.15 | 5 | 5.3 | 4.6 |
| STD DS9 | Standard | 117 | 0.61 | 300 | 0.118 | 2 | 0.92 | 0.077 | 0.38 | 3.0 | 0.19 | 2.3 | 5.1 | 0.13 | 5 | 5.3 | 5.3 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001954.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|--------|--------|------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | % | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | | 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 | 1 |
| STD DS9 | Standard | 13.6 | 106.2 | 125.5 | 308 | 1.8 | 38.7 | 7.4 | 572 | 2.30 | 25.8 | 106.8 | <0.1 | 78 | 2.2 | 6.2 | 6.3 | 41 | 0.71 | 0.080 | 15 |
| STD DS9 | Standard | 13.4 | 115.5 | 131.2 | 332 | 1.8 | 40.1 | 7.7 | 570 | 2.29 | 25.7 | 112.1 | <0.1 | 77 | 2.4 | 6.0 | 6.9 | 43 | 0.74 | 0.082 | 14 |
| STD DS9 | Standard | 13.1 | 114.2 | 129.5 | 318 | 1.8 | 39.9 | 7.9 | 560 | 2.37 | 26.5 | 115.5 | <0.1 | 84 | 2.9 | 5.9 | 6.6 | 42 | 0.74 | 0.085 | 15 |
| STD DS9 | Standard | 12.5 | 116.6 | 121.6 | 321 | 1.8 | 40.4 | 8.2 | 559 | 2.30 | 24.6 | 124.4 | <0.1 | 75 | 2.3 | 6.1 | 6.8 | 42 | 0.71 | 0.081 | 15 |
| STD DS9 | Standard | 12.6 | 104.6 | 136.8 | 300 | 1.8 | 37.1 | 7.0 | 542 | 2.14 | 25.5 | 103.5 | <0.1 | 73 | 2.4 | 6.2 | 6.8 | 40 | 0.69 | 0.080 | 15 |
| STD DS9 | Standard | 14.9 | 116.7 | 124.1 | 321 | 1.9 | 40.4 | 7.6 | 600 | 2.47 | 26.5 | 127.0 | <0.1 | 80 | 2.5 | 6.2 | 6.6 | 43 | 0.74 | 0.077 | 16 |
| STD DS9 | Standard | 13.1 | 118.6 | 130.0 | 313 | 1.8 | 41.4 | 7.8 | 609 | 2.45 | 25.2 | 119.1 | <0.1 | 73 | 2.6 | 6.2 | 7.0 | 38 | 0.66 | 0.082 | 14 |
| STD DS9 Expected | | 12.84 | 108 | 126 | 317 | 1.83 | 40.3 | 7.6 | 575 | 2.33 | 25.5 | 118 | 0.00063 | 69.6 | 2.4 | 4.94 | 6.32 | 40 | 0.7201 | 0.0819 | 13.3 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | 0.02 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 2 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001954.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|------------------|----------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | 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 |
| STD DS9 | Standard | 117 | 0.62 | 303 | 0.123 | 3 | 0.95 | 0.086 | 0.37 | 3.0 | 0.18 | 2.5 | 5.3 | 0.10 | 5 | 5.5 | 5.0 |
| STD DS9 | Standard | 123 | 0.62 | 295 | 0.126 | 3 | 0.95 | 0.085 | 0.40 | 3.1 | 0.20 | 2.4 | 5.2 | 0.07 | 5 | 5.7 | 5.0 |
| STD DS9 | Standard | 123 | 0.64 | 317 | 0.123 | 3 | 0.96 | 0.086 | 0.41 | 3.0 | 0.20 | 2.3 | 5.4 | 0.07 | 5 | 5.4 | 5.4 |
| STD DS9 | Standard | 113 | 0.59 | 308 | 0.138 | 3 | 0.96 | 0.095 | 0.42 | 2.9 | 0.20 | 2.8 | 5.1 | <0.05 | 5 | 5.6 | 5.1 |
| STD DS9 | Standard | 111 | 0.62 | 295 | 0.115 | 2 | 0.92 | 0.081 | 0.39 | 3.0 | 0.20 | 2.2 | 5.0 | 0.08 | 4 | 5.3 | 5.0 |
| STD DS9 | Standard | 121 | 0.63 | 313 | 0.123 | 4 | 0.96 | 0.089 | 0.41 | 3.0 | 0.21 | 2.5 | 5.2 | 0.05 | 5 | 5.1 | 5.4 |
| STD DS9 | Standard | 124 | 0.59 | 290 | 0.119 | 2 | 0.90 | 0.073 | 0.38 | 3.0 | 0.20 | 2.3 | 5.1 | 0.11 | 4 | 5.7 | 5.3 |
| STD DS9 Expected | | 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 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <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 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: June 10, 2013
Report Date: June 20, 2013
Page: 1 of 11

CERTIFICATE OF ANALYSIS

VAN13001955.1

CLIENT JOB INFORMATION

Project: GP-13
Shipment ID:
P.O. Number
Number of Samples: 289

SAMPLE DISPOSAL

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

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

Invoice To: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| Dry at 60C | 278 | Dry at 60C | | | VAN |
| SS80 | 274 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| 1DX2 | 278 | 1:1:1 Aqua Regia digestion 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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 20, 2013

Page: 2 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 751 | Soil | 0.5 | 58.4 | 4.8 | 61 | <0.1 | 20.0 | 14.6 | 730 | 3.04 | 3.0 | 1.5 | 1.6 | 92 | 0.2 | 0.6 | 0.2 | 66 | 1.11 | 0.087 | 11 |
| EH 752 | Soil | 0.6 | 13.4 | 3.3 | 56 | <0.1 | 10.8 | 5.6 | 381 | 1.23 | 1.9 | 0.5 | 0.4 | 38 | <0.1 | 0.2 | <0.1 | 31 | 0.34 | 0.050 | 3 |
| EH 753 | Soil | 0.7 | 23.3 | 4.6 | 105 | 0.1 | 20.8 | 8.8 | 1432 | 1.86 | 2.7 | 2.8 | 1.1 | 72 | 0.2 | 0.2 | <0.1 | 43 | 0.62 | 0.037 | 7 |
| EH 754 | Soil | 0.8 | 30.1 | 7.3 | 74 | 0.1 | 24.9 | 12.7 | 1449 | 2.71 | 3.3 | 6.5 | 1.9 | 93 | 0.2 | 0.2 | 0.1 | 68 | 0.66 | 0.032 | 14 |
| EH 755 | Soil | 0.6 | 30.0 | 6.1 | 56 | <0.1 | 21.0 | 9.7 | 819 | 2.25 | 2.9 | 2.0 | 1.9 | 123 | 0.2 | 0.5 | <0.1 | 61 | 0.58 | 0.017 | 16 |
| EH 756 | Soil | 0.8 | 43.9 | 9.5 | 79 | 0.1 | 22.5 | 12.4 | 2407 | 2.61 | 6.8 | 11.3 | 2.5 | 85 | 0.2 | 0.5 | 0.1 | 69 | 1.00 | 0.044 | 25 |
| EH 757 | Soil | 0.6 | 25.1 | 6.5 | 74 | <0.1 | 21.9 | 10.2 | 1027 | 2.44 | 2.6 | 3.3 | 1.9 | 103 | 0.2 | 0.4 | 0.1 | 65 | 0.60 | 0.014 | 14 |
| EH 758 | Soil | 0.9 | 44.4 | 10.8 | 148 | 0.5 | 27.8 | 14.1 | 3283 | 2.79 | 13.4 | 84.9 | 1.5 | 100 | 0.7 | 0.6 | 0.1 | 67 | 1.15 | 0.080 | 18 |
| EH 759 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 760 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 761 | Soil | 0.4 | 41.4 | 3.1 | 62 | <0.1 | 22.0 | 13.9 | 662 | 3.32 | 4.0 | <0.5 | 1.5 | 79 | 0.1 | 0.9 | <0.1 | 82 | 0.77 | 0.064 | 12 |
| EH 762 | Soil | 0.5 | 50.6 | 4.5 | 69 | <0.1 | 21.1 | 14.7 | 674 | 3.41 | 3.2 | 0.5 | 1.6 | 112 | 0.2 | 1.5 | <0.1 | 100 | 0.69 | 0.046 | 13 |
| EH 763 | Soil | 0.5 | 64.1 | 5.6 | 83 | <0.1 | 45.4 | 19.3 | 959 | 3.84 | 4.1 | 1.4 | 1.5 | 77 | 0.1 | 2.4 | <0.1 | 111 | 0.89 | 0.075 | 10 |
| EH 764 | Soil | 0.5 | 63.3 | 4.7 | 61 | 0.2 | 19.2 | 15.3 | 714 | 3.59 | 3.9 | 5.5 | 1.7 | 78 | 0.1 | 1.9 | <0.1 | 115 | 0.90 | 0.073 | 11 |
| EH 765 | Soil | 0.4 | 51.3 | 3.9 | 63 | 0.1 | 17.2 | 12.0 | 497 | 3.03 | 2.2 | 1.6 | 1.6 | 78 | 0.1 | 1.5 | 0.2 | 109 | 0.72 | 0.043 | 13 |
| EH 766 | Soil | 0.4 | 18.9 | 4.4 | 77 | <0.1 | 12.5 | 6.5 | 317 | 2.22 | 1.5 | <0.5 | 1.1 | 50 | <0.1 | 0.3 | 0.1 | 49 | 0.41 | 0.018 | 7 |
| EH 767 | Soil | 0.2 | 30.9 | 4.3 | 75 | 0.2 | 14.2 | 11.1 | 593 | 2.88 | 2.6 | <0.5 | 2.0 | 50 | <0.1 | 0.6 | <0.1 | 52 | 0.52 | 0.026 | 17 |
| EH 768 | Soil | 0.3 | 37.5 | 4.2 | 98 | 0.3 | 14.5 | 10.4 | 760 | 2.67 | 2.4 | 1.6 | 1.7 | 51 | <0.1 | 0.8 | <0.1 | 49 | 0.72 | 0.048 | 18 |
| EH 769 | Soil | 0.2 | 21.3 | 3.8 | 65 | 0.2 | 12.1 | 7.5 | 348 | 2.16 | 1.6 | <0.5 | 1.3 | 47 | 0.1 | 0.5 | <0.1 | 41 | 0.52 | 0.029 | 9 |
| EH 770 | Soil | 0.3 | 25.1 | 4.8 | 64 | <0.1 | 18.1 | 10.2 | 470 | 2.69 | 1.7 | <0.5 | 1.4 | 133 | <0.1 | 0.7 | <0.1 | 59 | 0.38 | 0.039 | 8 |
| EH 771 | Soil | 0.2 | 15.0 | 5.6 | 45 | <0.1 | 11.5 | 6.1 | 227 | 1.83 | 1.6 | 1.2 | 1.5 | 135 | <0.1 | 0.2 | <0.1 | 48 | 0.42 | 0.015 | 7 |
| EH 772 | Soil | 0.3 | 25.9 | 5.2 | 49 | <0.1 | 13.8 | 11.6 | 550 | 2.97 | 5.6 | 12.3 | 1.1 | 124 | <0.1 | 1.9 | <0.1 | 67 | 0.64 | 0.031 | 6 |
| EH 773 | Soil | 0.5 | 56.7 | 4.6 | 72 | <0.1 | 26.9 | 15.6 | 817 | 3.19 | 4.5 | 5.2 | 1.6 | 102 | 0.3 | 0.2 | <0.1 | 81 | 1.06 | 0.039 | 12 |
| EH 774 | Soil | 0.6 | 46.1 | 4.7 | 76 | <0.1 | 24.5 | 18.0 | 1091 | 3.01 | 3.4 | <0.5 | 1.6 | 101 | 0.3 | 0.2 | <0.1 | 82 | 1.01 | 0.044 | 11 |
| EH 775 | Soil | 0.5 | 34.0 | 7.4 | 124 | 0.3 | 24.2 | 10.6 | 1310 | 2.73 | 2.8 | 3.6 | 2.3 | 93 | 0.3 | 0.3 | 0.1 | 63 | 0.72 | 0.046 | 15 |
| EH 776 | Soil | 0.5 | 24.2 | 5.2 | 117 | 0.1 | 20.2 | 7.9 | 1124 | 2.14 | 2.4 | 1.8 | 1.5 | 87 | 0.3 | 0.2 | <0.1 | 46 | 0.67 | 0.047 | 9 |
| EH 777 | Soil | 0.2 | 14.7 | 4.8 | 78 | 0.1 | 8.2 | 4.4 | 684 | 1.81 | 1.6 | 1.6 | 1.4 | 40 | 0.2 | 0.3 | 0.1 | 34 | 0.44 | 0.024 | 17 |
| EH 778 | Soil | 0.4 | 24.5 | 5.3 | 66 | <0.1 | 16.7 | 8.1 | 264 | 2.49 | 2.4 | <0.5 | 2.0 | 102 | 0.2 | 0.2 | 0.1 | 55 | 0.68 | 0.037 | 21 |
| EH 779 | Soil | 0.3 | 12.3 | 5.6 | 102 | <0.1 | 9.1 | 4.0 | 710 | 1.82 | 1.5 | 0.9 | 2.2 | 120 | 0.2 | 0.1 | <0.1 | 32 | 0.67 | 0.028 | 25 |
| EH 780 | Soil | 0.3 | 21.3 | 8.0 | 81 | <0.1 | 13.2 | 6.6 | 733 | 2.08 | 2.3 | <0.5 | 1.8 | 179 | 0.2 | 0.1 | 0.1 | 53 | 0.81 | 0.025 | 15 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 2 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 751 | Soil | 15 | 1.05 | 105 | 0.101 | 10 | 2.19 | 0.028 | 0.25 | <0.1 | 0.04 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 752 | Soil | 13 | 0.34 | 78 | 0.065 | 3 | 1.45 | 0.014 | 0.07 | <0.1 | 0.01 | 2.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 753 | Soil | 19 | 0.43 | 156 | 0.092 | 5 | 2.10 | 0.024 | 0.15 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 754 | Soil | 29 | 0.58 | 189 | 0.137 | 4 | 3.24 | 0.027 | 0.12 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 8 | 0.6 | <0.2 |
| EH 755 | Soil | 29 | 0.47 | 175 | 0.134 | 3 | 1.92 | 0.027 | 0.26 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 756 | Soil | 26 | 0.54 | 207 | 0.115 | 3 | 3.08 | 0.021 | 0.27 | <0.1 | 0.05 | 6.6 | <0.1 | <0.05 | 8 | 0.6 | <0.2 |
| EH 757 | Soil | 28 | 0.49 | 167 | 0.121 | 3 | 2.02 | 0.023 | 0.26 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 758 | Soil | 28 | 0.65 | 294 | 0.109 | 4 | 3.15 | 0.021 | 0.19 | <0.1 | 0.07 | 6.2 | <0.1 | <0.05 | 9 | 0.6 | <0.2 |
| EH 759 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 760 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 761 | Soil | 19 | 0.79 | 105 | 0.144 | 8 | 2.04 | 0.027 | 0.25 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 762 | Soil | 20 | 0.80 | 108 | 0.174 | 5 | 2.17 | 0.028 | 0.22 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 763 | Soil | 29 | 1.11 | 105 | 0.199 | 5 | 2.37 | 0.040 | 0.23 | 0.1 | 0.03 | 9.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 764 | Soil | 17 | 1.08 | 81 | 0.201 | 4 | 2.05 | 0.026 | 0.13 | 0.1 | 0.03 | 10.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 765 | Soil | 15 | 0.82 | 103 | 0.204 | 3 | 1.97 | 0.025 | 0.15 | <0.1 | 0.02 | 10.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 766 | Soil | 19 | 0.37 | 110 | 0.126 | 3 | 1.40 | 0.028 | 0.08 | <0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 767 | Soil | 17 | 0.50 | 80 | 0.089 | 3 | 1.74 | 0.019 | 0.13 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 768 | Soil | 14 | 0.56 | 102 | 0.063 | 5 | 1.88 | 0.020 | 0.15 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 769 | Soil | 14 | 0.41 | 85 | 0.089 | 6 | 1.36 | 0.019 | 0.21 | <0.1 | 0.01 | 4.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 770 | Soil | 26 | 0.57 | 170 | 0.105 | 7 | 1.71 | 0.026 | 0.20 | <0.1 | 0.01 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 771 | Soil | 20 | 0.43 | 153 | 0.087 | 9 | 1.48 | 0.030 | 0.22 | <0.1 | 0.02 | 3.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 772 | Soil | 17 | 0.81 | 122 | 0.087 | 7 | 1.71 | 0.042 | 0.07 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 773 | Soil | 33 | 0.80 | 164 | 0.169 | 5 | 3.14 | 0.027 | 0.27 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 774 | Soil | 26 | 0.72 | 182 | 0.164 | 5 | 2.90 | 0.027 | 0.34 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 775 | Soil | 26 | 0.61 | 198 | 0.122 | 5 | 3.20 | 0.032 | 0.20 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 776 | Soil | 22 | 0.44 | 175 | 0.115 | 7 | 2.43 | 0.021 | 0.28 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 777 | Soil | 11 | 0.38 | 76 | 0.067 | 1 | 1.38 | 0.032 | 0.23 | <0.1 | 0.01 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 778 | Soil | 24 | 0.52 | 181 | 0.109 | 3 | 2.26 | 0.025 | 0.16 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 779 | Soil | 12 | 0.35 | 251 | 0.049 | 3 | 1.63 | 0.020 | 0.23 | <0.1 | 0.01 | 3.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 780 | Soil | 18 | 0.45 | 316 | 0.106 | 3 | 2.56 | 0.033 | 0.48 | <0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 3 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | ppm | |
| EH 781 | Soil | 0.3 | 26.2 | 6.5 | 59 | <0.1 | 15.5 | 8.5 | 592 | 2.30 | 2.3 | <0.5 | 1.7 | 170 | 0.1 | 0.2 | <0.1 | 53 | 0.88 | 0.022 | 18 |
| EH 782 | Soil | 0.3 | 13.1 | 5.8 | 62 | <0.1 | 9.3 | 5.1 | 420 | 1.58 | 1.4 | <0.5 | 1.3 | 158 | 0.1 | 0.1 | <0.1 | 38 | 0.98 | 0.023 | 12 |
| EH 783 | Soil | 0.3 | 33.3 | 4.7 | 93 | <0.1 | 17.1 | 8.5 | 580 | 2.72 | 2.7 | <0.5 | 1.6 | 88 | 0.1 | 0.3 | <0.1 | 57 | 0.75 | 0.036 | 10 |
| EH 784 | Soil | 0.2 | 28.3 | 4.5 | 54 | <0.1 | 12.9 | 7.0 | 254 | 2.44 | 1.9 | 2.1 | 1.5 | 83 | 0.1 | 0.2 | <0.1 | 48 | 0.66 | 0.030 | 10 |
| EH 785 | Soil | 0.3 | 50.6 | 6.6 | 65 | <0.1 | 15.1 | 11.3 | 763 | 2.92 | 3.4 | 2.0 | 1.8 | 149 | 0.1 | 0.3 | <0.1 | 36 | 0.99 | 0.032 | 15 |
| EH 786 | Soil | 0.6 | 45.1 | 6.4 | 109 | <0.1 | 28.0 | 14.2 | 1033 | 3.00 | 5.1 | <0.5 | 1.4 | 88 | 0.3 | 0.2 | <0.1 | 76 | 0.85 | 0.124 | 8 |
| EH 787 | Soil | 0.7 | 65.2 | 5.5 | 74 | <0.1 | 30.7 | 19.7 | 1085 | 3.11 | 6.5 | <0.5 | 0.6 | 107 | 0.2 | 0.2 | <0.1 | 83 | 1.32 | 0.162 | 7 |
| EH 788 | Soil | 0.6 | 65.6 | 5.4 | 74 | <0.1 | 28.6 | 15.7 | 911 | 3.05 | 7.0 | 1.1 | 1.0 | 108 | 0.2 | 0.2 | <0.1 | 82 | 1.38 | 0.106 | 10 |
| EH 789 | Soil | 0.6 | 79.8 | 5.0 | 77 | 0.2 | 31.4 | 21.6 | 1134 | 3.15 | 9.3 | 4.8 | 0.8 | 148 | 0.1 | 0.2 | 0.5 | 79 | 1.92 | 0.176 | 9 |
| EH 790 | Soil | 0.6 | 44.2 | 4.6 | 100 | <0.1 | 26.1 | 14.2 | 1094 | 2.91 | 3.9 | 1.4 | 1.2 | 110 | 0.2 | 0.2 | 0.2 | 78 | 0.98 | 0.116 | 7 |
| EH 791 | Soil | 0.7 | 48.8 | 4.8 | 72 | <0.1 | 24.0 | 19.3 | 697 | 3.82 | 3.3 | 3.0 | 1.4 | 82 | <0.1 | 0.2 | 0.1 | 117 | 1.00 | 0.136 | 11 |
| EH 792 | Soil | 0.8 | 51.3 | 4.1 | 77 | <0.1 | 24.7 | 19.1 | 933 | 3.70 | 5.1 | 1.2 | 1.1 | 128 | 0.1 | 0.2 | 0.1 | 116 | 1.28 | 0.138 | 10 |
| EH 793 | Soil | 0.6 | 58.5 | 3.7 | 66 | 0.1 | 19.4 | 17.8 | 905 | 4.03 | 5.9 | 3.1 | 1.7 | 118 | 0.1 | 4.8 | <0.1 | 141 | 1.24 | 0.079 | 13 |
| EH 794 | Soil | 0.6 | 43.1 | 4.5 | 74 | 0.1 | 17.1 | 11.6 | 805 | 2.96 | 4.1 | 2.0 | 1.9 | 125 | 0.3 | 2.8 | <0.1 | 91 | 0.92 | 0.063 | 17 |
| EH 795 | Soil | 0.5 | 29.1 | 4.2 | 127 | 0.1 | 14.2 | 10.1 | 1470 | 2.66 | 2.4 | 2.0 | 1.4 | 74 | 0.3 | 1.0 | <0.1 | 45 | 0.89 | 0.043 | 14 |
| EH 796 | Soil | 0.4 | 16.8 | 4.0 | 60 | 0.1 | 11.7 | 8.1 | 417 | 2.19 | 2.3 | <0.5 | 0.8 | 50 | <0.1 | 0.5 | <0.1 | 45 | 0.48 | 0.039 | 4 |
| EH 797 | Soil | 0.2 | 49.6 | 4.5 | 97 | 0.5 | 16.0 | 13.8 | 922 | 3.44 | 3.4 | 6.9 | 2.0 | 48 | 0.2 | 0.7 | <0.1 | 53 | 0.73 | 0.055 | 19 |
| EH 798 | Soil | 0.2 | 42.2 | 4.8 | 86 | 0.3 | 16.4 | 13.5 | 712 | 3.63 | 2.5 | 8.9 | 2.2 | 42 | 0.1 | 0.8 | <0.1 | 60 | 0.64 | 0.039 | 22 |
| EH 799 | Soil | 0.3 | 21.2 | 3.5 | 62 | 0.1 | 12.7 | 8.4 | 388 | 2.57 | 2.4 | <0.5 | 1.4 | 52 | <0.1 | 1.0 | 0.3 | 64 | 0.62 | 0.026 | 10 |
| EH 800 | Soil | 0.5 | 24.2 | 4.0 | 63 | <0.1 | 16.6 | 8.3 | 371 | 2.75 | 2.3 | 8.3 | 1.4 | 115 | <0.1 | 1.0 | 0.1 | 82 | 0.62 | 0.029 | 11 |
| SD PMS-97 | Rock Pulp | 138.5 | 3434 | 24.2 | 66 | 2.4 | 37.7 | 21.4 | 450 | 4.54 | 59.2 | 448.5 | 2.1 | 35 | 0.3 | 4.1 | 0.5 | 135 | 0.36 | 0.101 | 11 |
| EH 801 | Soil | 0.4 | 43.8 | 5.2 | 61 | <0.1 | 32.9 | 13.8 | 399 | 3.29 | 1.7 | <0.5 | 2.1 | 160 | 0.2 | 0.2 | <0.1 | 68 | 0.73 | 0.038 | 17 |
| EH 802 | Soil | 0.7 | 34.5 | 4.7 | 134 | <0.1 | 25.1 | 11.3 | 1196 | 2.74 | 1.7 | <0.5 | 1.5 | 95 | 0.2 | 0.1 | <0.1 | 63 | 0.73 | 0.034 | 11 |
| EH 803 | Soil | 0.7 | 24.5 | 4.4 | 109 | <0.1 | 21.2 | 9.2 | 1198 | 2.30 | 1.8 | <0.5 | 1.3 | 85 | 0.1 | 0.1 | <0.1 | 53 | 0.75 | 0.031 | 7 |
| EH 804 | Soil | 0.6 | 22.4 | 4.1 | 112 | <0.1 | 18.9 | 7.4 | 1032 | 2.09 | 1.6 | <0.5 | 1.0 | 73 | 0.1 | <0.1 | <0.1 | 46 | 0.63 | 0.040 | 5 |
| EH 805 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 806 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 807 | Soil | 0.1 | 34.4 | 7.3 | 59 | <0.1 | 22.2 | 11.6 | 658 | 2.64 | 0.7 | <0.5 | 2.8 | 96 | 0.1 | 0.1 | <0.1 | 59 | 0.79 | 0.029 | 21 |
| EH 808 | Soil | 0.2 | 35.7 | 7.2 | 59 | <0.1 | 22.3 | 11.2 | 590 | 2.58 | <0.5 | <0.5 | 2.7 | 114 | 0.2 | 0.1 | <0.1 | 58 | 0.81 | 0.031 | 19 |
| EH 809 | Soil | 0.3 | 32.2 | 5.3 | 72 | <0.1 | 21.5 | 10.5 | 590 | 2.75 | 1.1 | <0.5 | 2.2 | 135 | <0.1 | 0.2 | <0.1 | 63 | 0.77 | 0.036 | 18 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 3 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 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 |
| EH 781 | Soil | 21 | 0.51 | 330 | 0.100 | 2 | 2.58 | 0.041 | 0.28 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 782 | Soil | 12 | 0.37 | 362 | 0.069 | 3 | 2.29 | 0.033 | 0.45 | <0.1 | 0.02 | 3.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 783 | Soil | 23 | 0.51 | 134 | 0.170 | 6 | 2.31 | 0.031 | 0.18 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 784 | Soil | 19 | 0.47 | 114 | 0.158 | 5 | 1.91 | 0.027 | 0.10 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 785 | Soil | 16 | 0.62 | 82 | 0.186 | 5 | 1.92 | 0.033 | 0.12 | <0.1 | 0.05 | 9.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 786 | Soil | 27 | 0.82 | 167 | 0.140 | 3 | 3.82 | 0.021 | 0.15 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 787 | Soil | 27 | 1.03 | 132 | 0.107 | 3 | 4.17 | 0.037 | 0.12 | <0.1 | 0.04 | 6.2 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 788 | Soil | 30 | 0.83 | 138 | 0.124 | 4 | 3.52 | 0.034 | 0.18 | <0.1 | 0.05 | 7.6 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 789 | Soil | 25 | 1.10 | 140 | 0.098 | 8 | 4.52 | 0.043 | 0.19 | 0.1 | 0.04 | 7.4 | 0.2 | 0.08 | 10 | <0.5 | <0.2 |
| EH 790 | Soil | 24 | 0.87 | 185 | 0.137 | 8 | 3.08 | 0.026 | 0.14 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 791 | Soil | 17 | 1.35 | 84 | 0.249 | 4 | 2.83 | 0.032 | 0.09 | <0.1 | 0.03 | 8.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 792 | Soil | 23 | 1.11 | 133 | 0.203 | 4 | 3.38 | 0.030 | 0.17 | <0.1 | 0.03 | 9.9 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 793 | Soil | 15 | 1.21 | 130 | 0.274 | 4 | 2.76 | 0.044 | 0.11 | 0.3 | 0.02 | 13.7 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 794 | Soil | 15 | 0.64 | 197 | 0.176 | 9 | 2.28 | 0.024 | 0.17 | 0.2 | 0.03 | 10.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 795 | Soil | 15 | 0.60 | 194 | 0.083 | 8 | 1.92 | 0.018 | 0.16 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 796 | Soil | 15 | 0.40 | 97 | 0.104 | 6 | 1.62 | 0.026 | 0.08 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 797 | Soil | 13 | 0.90 | 84 | 0.068 | 7 | 2.01 | 0.017 | 0.17 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 10 | 0.5 | <0.2 |
| EH 798 | Soil | 12 | 0.83 | 68 | 0.073 | 6 | 2.32 | 0.020 | 0.12 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 11 | <0.5 | <0.2 |
| EH 799 | Soil | 17 | 0.53 | 77 | 0.111 | 5 | 1.93 | 0.024 | 0.11 | <0.1 | 0.02 | 8.2 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 800 | Soil | 23 | 0.54 | 125 | 0.170 | 5 | 1.92 | 0.029 | 0.16 | <0.1 | 0.01 | 8.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| SD PMS-97 | Rock Pulp | 56 | 0.97 | 50 | 0.121 | 2 | 1.45 | 0.043 | 0.92 | 4.5 | 0.07 | 12.6 | 0.5 | 2.16 | 6 | 8.2 | 1.2 |
| EH 801 | Soil | 42 | 0.92 | 171 | 0.121 | 3 | 3.00 | 0.034 | 0.18 | <0.1 | 0.03 | 10.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 802 | Soil | 31 | 0.61 | 178 | 0.124 | 5 | 2.89 | 0.032 | 0.16 | <0.1 | 0.03 | 7.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 803 | Soil | 25 | 0.50 | 163 | 0.113 | 7 | 2.30 | 0.027 | 0.18 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 804 | Soil | 21 | 0.41 | 165 | 0.114 | 6 | 2.13 | 0.023 | 0.22 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 805 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 806 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 807 | Soil | 18 | 1.08 | 78 | 0.125 | 2 | 2.10 | 0.025 | 0.13 | <0.1 | <0.01 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 808 | Soil | 17 | 1.12 | 85 | 0.121 | 2 | 2.06 | 0.024 | 0.13 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 809 | Soil | 23 | 0.67 | 119 | 0.104 | 9 | 2.25 | 0.030 | 0.31 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 4 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 810 | Soil | 0.4 | 26.2 | 4.7 | 56 | <0.1 | 17.9 | 10.8 | 574 | 2.41 | 1.7 | <0.5 | 1.6 | 109 | <0.1 | 0.1 | <0.1 | 67 | 0.55 | 0.028 | 11 |
| EH 811 | Soil | 0.8 | 31.3 | 6.6 | 79 | <0.1 | 24.8 | 14.8 | 943 | 2.88 | 2.1 | 1.1 | 1.6 | 118 | 0.2 | 0.3 | <0.1 | 76 | 0.81 | 0.033 | 12 |
| EH 812 | Soil | 0.4 | 33.9 | 5.4 | 57 | <0.1 | 24.3 | 14.9 | 854 | 2.80 | 1.9 | <0.5 | 1.9 | 157 | <0.1 | 0.3 | <0.1 | 76 | 0.71 | 0.021 | 17 |
| EH 813 | Soil | 0.4 | 30.8 | 5.1 | 50 | <0.1 | 19.6 | 11.3 | 601 | 2.47 | 1.1 | 1.2 | 1.9 | 135 | 0.2 | 0.2 | <0.1 | 71 | 0.66 | 0.018 | 15 |
| EH 814 | Soil | 0.6 | 36.0 | 5.2 | 71 | <0.1 | 20.9 | 15.2 | 944 | 2.68 | 2.3 | <0.5 | 1.8 | 119 | 0.1 | 0.2 | <0.1 | 80 | 0.77 | 0.033 | 12 |
| EH 815 | Soil | 0.4 | 36.6 | 4.2 | 63 | <0.1 | 16.6 | 11.1 | 512 | 2.58 | 2.0 | <0.5 | 2.4 | 154 | <0.1 | 0.2 | <0.1 | 66 | 0.92 | 0.038 | 14 |
| EH 816 | Soil | 0.3 | 49.0 | 4.1 | 54 | <0.1 | 19.7 | 11.8 | 496 | 2.86 | 2.1 | <0.5 | 2.2 | 178 | <0.1 | 0.2 | <0.1 | 81 | 0.73 | 0.025 | 14 |
| EH 817 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 818 | Soil | 0.6 | 16.6 | 4.1 | 105 | <0.1 | 11.8 | 6.6 | 627 | 1.85 | 0.7 | 0.9 | 1.1 | 92 | <0.1 | 0.1 | <0.1 | 42 | 0.63 | 0.040 | 5 |
| EH 819 | Soil | 0.3 | 22.9 | 4.3 | 155 | <0.1 | 17.1 | 7.3 | 1199 | 1.98 | 2.1 | <0.5 | 1.1 | 92 | 0.1 | 0.1 | <0.1 | 41 | 0.69 | 0.063 | 5 |
| EH 820 | Soil | 0.6 | 26.5 | 4.5 | 105 | <0.1 | 22.7 | 10.6 | 740 | 2.49 | 1.0 | <0.5 | 1.5 | 78 | 0.1 | 0.1 | <0.1 | 61 | 0.60 | 0.033 | 9 |
| EH 821 | Soil | 0.3 | 35.0 | 4.9 | 76 | <0.1 | 41.7 | 16.0 | 885 | 3.27 | 0.8 | 0.7 | 2.1 | 101 | 0.2 | <0.1 | <0.1 | 74 | 1.15 | 0.046 | 20 |
| EH 822 | Soil | 0.4 | 22.0 | 4.5 | 65 | <0.1 | 14.8 | 9.1 | 370 | 1.97 | 1.7 | 0.9 | 0.9 | 55 | 0.1 | <0.1 | <0.1 | 45 | 0.44 | 0.051 | 3 |
| EH 823 | Soil | 0.3 | 36.8 | 3.6 | 114 | 0.1 | 41.7 | 14.5 | 1184 | 3.23 | <0.5 | <0.5 | 2.0 | 86 | 0.1 | <0.1 | <0.1 | 54 | 0.78 | 0.041 | 17 |
| EH 824 | Soil | 0.5 | 30.2 | 4.5 | 91 | <0.1 | 31.8 | 13.7 | 782 | 3.31 | 1.1 | <0.5 | 2.1 | 92 | <0.1 | 0.1 | <0.1 | 50 | 0.77 | 0.047 | 14 |
| EH 825 | Soil | 0.4 | 25.7 | 2.6 | 83 | <0.1 | 43.9 | 16.3 | 559 | 3.19 | 1.1 | <0.5 | 1.6 | 78 | <0.1 | <0.1 | <0.1 | 63 | 0.61 | 0.029 | 15 |
| EH 826 | Soil | 0.6 | 22.0 | 3.4 | 91 | <0.1 | 27.6 | 10.1 | 1089 | 2.27 | 1.3 | <0.5 | 1.1 | 67 | 0.2 | <0.1 | <0.1 | 50 | 0.59 | 0.035 | 7 |
| EH 827 | Soil | 0.4 | 26.4 | 5.3 | 88 | <0.1 | 26.0 | 11.0 | 1097 | 2.38 | 1.0 | <0.5 | 2.1 | 94 | 0.1 | 0.1 | <0.1 | 60 | 0.82 | 0.035 | 15 |
| EH 828 | Soil | 0.4 | 26.7 | 5.1 | 70 | <0.1 | 22.9 | 10.9 | 874 | 2.40 | 1.0 | 2.5 | 1.7 | 82 | <0.1 | 0.1 | <0.1 | 60 | 0.60 | 0.019 | 11 |
| EH 829 | Soil | 0.3 | 24.2 | 4.6 | 51 | <0.1 | 15.7 | 8.0 | 300 | 1.90 | 0.8 | 2.2 | 1.4 | 64 | 0.1 | <0.1 | <0.1 | 48 | 0.57 | 0.020 | 6 |
| EH 830 | Soil | 0.4 | 19.8 | 4.6 | 51 | <0.1 | 17.7 | 7.6 | 510 | 2.00 | 0.7 | 1.2 | 1.4 | 82 | <0.1 | 0.1 | <0.1 | 52 | 0.63 | 0.016 | 8 |
| EH 831 | Soil | 0.1 | 20.9 | 5.5 | 53 | <0.1 | 14.2 | 6.2 | 183 | 1.57 | 0.6 | 0.9 | 1.7 | 61 | <0.1 | <0.1 | <0.1 | 35 | 0.40 | 0.013 | 6 |
| EH 832 | Soil | 0.2 | 40.8 | 5.0 | 63 | <0.1 | 34.6 | 15.7 | 650 | 3.28 | <0.5 | <0.5 | 2.8 | 96 | 0.1 | <0.1 | <0.1 | 70 | 0.87 | 0.024 | 18 |
| EH 833 | Soil | 0.5 | 22.1 | 4.5 | 47 | <0.1 | 19.3 | 9.6 | 612 | 1.94 | 0.6 | 1.1 | 1.7 | 66 | <0.1 | <0.1 | <0.1 | 45 | 0.51 | 0.017 | 7 |
| EH 834 | Soil | 0.3 | 29.7 | 4.7 | 68 | <0.1 | 27.1 | 10.8 | 643 | 2.32 | <0.5 | 1.5 | 2.3 | 69 | 0.1 | <0.1 | <0.1 | 48 | 0.53 | 0.018 | 12 |
| EH 835 | Soil | 0.3 | 34.0 | 5.0 | 70 | <0.1 | 27.8 | 10.8 | 605 | 2.56 | 1.0 | <0.5 | 2.2 | 82 | <0.1 | <0.1 | <0.1 | 56 | 0.66 | 0.027 | 12 |
| EH 836 | Soil | 0.3 | 36.7 | 4.7 | 64 | <0.1 | 33.4 | 13.1 | 629 | 2.86 | 0.8 | 2.7 | 2.6 | 76 | 0.2 | <0.1 | <0.1 | 61 | 0.71 | 0.024 | 14 |
| EH 837 | Soil | 0.3 | 28.7 | 4.9 | 79 | <0.1 | 23.2 | 10.1 | 674 | 2.39 | 1.0 | 0.8 | 2.1 | 89 | 0.1 | <0.1 | <0.1 | 53 | 0.71 | 0.025 | 12 |
| EH 838 | Soil | 0.4 | 19.7 | 4.4 | 79 | <0.1 | 16.9 | 7.9 | 687 | 1.86 | 0.5 | <0.5 | 1.4 | 76 | <0.1 | <0.1 | <0.1 | 49 | 0.53 | 0.015 | 8 |
| EH 839 | Soil | 0.3 | 30.3 | 4.3 | 160 | <0.1 | 17.2 | 6.8 | 1161 | 1.91 | 1.2 | 2.0 | 1.2 | 120 | 0.1 | <0.1 | <0.1 | 43 | 1.12 | 0.078 | 6 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 4 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 810 | Soil | 20 | 0.54 | 133 | 0.126 | 5 | 2.21 | 0.029 | 0.22 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 811 | Soil | 27 | 0.64 | 165 | 0.127 | 4 | 2.78 | 0.029 | 0.20 | <0.1 | 0.08 | 7.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 812 | Soil | 27 | 0.61 | 191 | 0.122 | 3 | 2.69 | 0.039 | 0.14 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 813 | Soil | 24 | 0.52 | 150 | 0.122 | 4 | 1.95 | 0.044 | 0.17 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH 814 | Soil | 26 | 0.56 | 149 | 0.135 | 3 | 2.45 | 0.041 | 0.15 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| EH 815 | Soil | 20 | 0.63 | 125 | 0.135 | 7 | 2.19 | 0.031 | 0.26 | <0.1 | 0.03 | 7.7 | <0.1 | 0.05 | 6 | <0.5 | <0.2 |
| EH 816 | Soil | 24 | 0.78 | 128 | 0.132 | 2 | 2.42 | 0.051 | 0.12 | <0.1 | 0.03 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 817 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 818 | Soil | 17 | 0.35 | 120 | 0.113 | 4 | 1.74 | 0.024 | 0.19 | <0.1 | 0.02 | 5.6 | <0.1 | 0.06 | 5 | 0.8 | <0.2 |
| EH 819 | Soil | 19 | 0.42 | 160 | 0.087 | 9 | 2.11 | 0.025 | 0.45 | <0.1 | 0.04 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 820 | Soil | 28 | 0.46 | 143 | 0.117 | 5 | 2.29 | 0.032 | 0.20 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 821 | Soil | 31 | 0.78 | 91 | 0.033 | 6 | 3.48 | 0.028 | 0.31 | <0.1 | 0.03 | 11.4 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 822 | Soil | 19 | 0.39 | 92 | 0.101 | 5 | 1.91 | 0.040 | 0.23 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 823 | Soil | 47 | 0.81 | 180 | 0.120 | 8 | 2.50 | 0.029 | 0.21 | <0.1 | 0.03 | 10.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 824 | Soil | 51 | 0.78 | 148 | 0.119 | 6 | 2.60 | 0.027 | 0.15 | <0.1 | 0.04 | 11.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 825 | Soil | 49 | 0.83 | 111 | 0.095 | 3 | 2.16 | 0.038 | 0.09 | <0.1 | 0.03 | 9.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 826 | Soil | 30 | 0.54 | 147 | 0.094 | 7 | 2.13 | 0.034 | 0.10 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 5 | 0.9 | <0.2 |
| EH 827 | Soil | 25 | 0.59 | 163 | 0.094 | 4 | 2.37 | 0.024 | 0.20 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 828 | Soil | 28 | 0.49 | 164 | 0.114 | 1 | 2.04 | 0.030 | 0.14 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 829 | Soil | 21 | 0.52 | 91 | 0.113 | 11 | 1.64 | 0.043 | 0.20 | <0.1 | <0.01 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 830 | Soil | 21 | 0.49 | 114 | 0.109 | 7 | 1.75 | 0.038 | 0.18 | <0.1 | <0.01 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 831 | Soil | 17 | 0.60 | 109 | 0.114 | 2 | 1.55 | 0.053 | 0.16 | <0.1 | 0.01 | 3.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 832 | Soil | 26 | 1.42 | 68 | 0.143 | 5 | 2.37 | 0.063 | 0.20 | <0.1 | <0.01 | 11.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 833 | Soil | 21 | 0.55 | 106 | 0.119 | 6 | 1.62 | 0.032 | 0.24 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 834 | Soil | 26 | 0.63 | 108 | 0.129 | 4 | 1.79 | 0.034 | 0.29 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 835 | Soil | 29 | 0.61 | 121 | 0.123 | 4 | 2.27 | 0.029 | 0.32 | <0.1 | 0.01 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 836 | Soil | 32 | 0.77 | 91 | 0.136 | 3 | 2.06 | 0.038 | 0.25 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 837 | Soil | 28 | 0.57 | 135 | 0.128 | 5 | 2.11 | 0.034 | 0.31 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 838 | Soil | 21 | 0.42 | 120 | 0.127 | 2 | 1.65 | 0.037 | 0.16 | <0.1 | 0.01 | 4.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 839 | Soil | 18 | 0.52 | 166 | 0.104 | 10 | 2.02 | 0.024 | 0.50 | <0.1 | 0.02 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 5 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| EH 840 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| EH 841 | Soil | 0.6 | 30.3 | 5.0 | 73 | <0.1 | 31.3 | 17.4 | 604 | 3.24 | 3.6 | 1.7 | 1.3 | 94 | 0.2 | 0.2 | <0.1 | 73 | 1.50 | 0.051 | 6 |
| EH 842 | Soil | 0.6 | 44.3 | 5.8 | 71 | <0.1 | 28.8 | 14.1 | 703 | 2.83 | 4.3 | 3.7 | 1.8 | 120 | 0.1 | 0.2 | <0.1 | 86 | 1.01 | 0.059 | 11 |
| EH 843 | Soil | 0.5 | 44.9 | 6.0 | 62 | 0.1 | 25.8 | 12.7 | 557 | 2.86 | 3.8 | 1.4 | 1.9 | 119 | 0.2 | 0.2 | <0.1 | 80 | 0.99 | 0.036 | 13 |
| EH 844 | Soil | 0.6 | 41.1 | 5.8 | 59 | <0.1 | 26.3 | 14.1 | 775 | 2.84 | 3.0 | 2.5 | 2.0 | 119 | 0.1 | 0.3 | <0.1 | 84 | 0.88 | 0.031 | 14 |
| EH 845 | Soil | 0.2 | 19.0 | 5.7 | 57 | <0.1 | 10.0 | 8.0 | 594 | 2.14 | <0.5 | <0.5 | 2.4 | 66 | 0.1 | <0.1 | <0.1 | 61 | 0.58 | 0.022 | 17 |
| EH 846 | Soil | 0.3 | 15.6 | 5.1 | 50 | <0.1 | 11.7 | 6.9 | 280 | 1.91 | 0.6 | 1.5 | 1.3 | 79 | <0.1 | 0.1 | <0.1 | 68 | 0.38 | 0.011 | 7 |
| EH 847 | Soil | 0.3 | 26.0 | 6.5 | 54 | <0.1 | 14.9 | 10.1 | 703 | 2.07 | 0.8 | <0.5 | 2.4 | 93 | 0.1 | 0.1 | <0.1 | 58 | 0.56 | 0.020 | 16 |
| EH 848 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 849 | Soil | 0.9 | 65.5 | 15.1 | 56 | 0.2 | 18.2 | 13.1 | 985 | 1.90 | 3.8 | 2.2 | 1.1 | 146 | 0.3 | 0.2 | 0.2 | 59 | 1.85 | 0.084 | 11 |
| EH 850 | Soil | 0.5 | 47.6 | 4.2 | 47 | 0.1 | 14.2 | 11.4 | 700 | 1.79 | 1.9 | 0.7 | 2.1 | 237 | <0.1 | 0.2 | <0.1 | 49 | 1.41 | 0.082 | 15 |
| SD PMS-85 | Rock Pulp | 128.1 | 3339 | 26.1 | 62 | 2.3 | 36.3 | 19.0 | 404 | 4.03 | 52.2 | 407.0 | 2.4 | 30 | 0.3 | 3.6 | 0.4 | 122 | 0.34 | 0.090 | 12 |
| EH 851 | Soil | 0.3 | 38.0 | 9.0 | 84 | <0.1 | 14.1 | 11.2 | 1149 | 2.18 | 1.8 | <0.5 | 2.8 | 145 | 0.1 | 0.1 | <0.1 | 47 | 1.46 | 0.051 | 18 |
| EH 852 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 853 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 854 | Soil | 0.3 | 24.2 | 4.5 | 57 | <0.1 | 18.0 | 10.8 | 534 | 2.61 | <0.5 | <0.5 | 1.9 | 69 | 0.1 | <0.1 | <0.1 | 66 | 0.61 | 0.021 | 11 |
| EH 855 | Soil | 0.6 | 24.7 | 4.7 | 76 | <0.1 | 20.7 | 10.3 | 824 | 2.04 | 0.8 | <0.5 | 1.6 | 74 | 0.1 | <0.1 | <0.1 | 51 | 0.57 | 0.020 | 11 |
| EH 856 | Soil | 0.4 | 33.9 | 5.7 | 85 | <0.1 | 31.6 | 15.0 | 1216 | 2.71 | 0.9 | 0.8 | 2.1 | 112 | 0.1 | <0.1 | <0.1 | 54 | 0.92 | 0.027 | 18 |
| EH 857 | Soil | 0.5 | 21.0 | 5.9 | 61 | <0.1 | 21.1 | 11.3 | 1276 | 1.86 | 1.1 | 1.0 | 1.6 | 107 | 0.1 | 0.1 | <0.1 | 43 | 0.88 | 0.043 | 11 |
| EH 858 | Soil | 0.5 | 16.6 | 4.6 | 72 | <0.1 | 16.7 | 8.3 | 946 | 1.64 | 1.0 | <0.5 | 1.3 | 86 | 0.1 | <0.1 | 0.2 | 40 | 0.67 | 0.035 | 7 |
| EH 859 | Soil | 0.3 | 25.0 | 4.9 | 92 | <0.1 | 25.3 | 10.5 | 1156 | 2.23 | 0.9 | <0.5 | 1.9 | 89 | 0.2 | <0.1 | <0.1 | 50 | 0.75 | 0.034 | 10 |
| EH 860 | Soil | 0.5 | 23.3 | 5.4 | 115 | <0.1 | 18.7 | 7.3 | 920 | 1.83 | 0.9 | <0.5 | 1.3 | 76 | 0.2 | 0.1 | <0.1 | 44 | 0.63 | 0.033 | 7 |
| EH 861 | Soil | 0.4 | 27.5 | 5.9 | 100 | <0.1 | 26.7 | 13.1 | 771 | 2.93 | 1.1 | <0.5 | 2.3 | 71 | 0.2 | <0.1 | <0.1 | 65 | 0.64 | 0.041 | 15 |
| EH 862 | Soil | 0.5 | 25.0 | 4.7 | 51 | <0.1 | 18.1 | 8.3 | 310 | 2.14 | 1.1 | 0.7 | 1.3 | 63 | <0.1 | <0.1 | <0.1 | 45 | 0.54 | 0.034 | 7 |
| EH 863 | Soil | 0.4 | 38.8 | 7.2 | 65 | <0.1 | 26.0 | 12.6 | 799 | 2.90 | 4.4 | 2.1 | 1.8 | 178 | 0.1 | 0.3 | <0.1 | 59 | 0.70 | 0.039 | 17 |
| EH 864 | Soil | 0.5 | 39.6 | 6.7 | 71 | <0.1 | 25.7 | 13.5 | 912 | 2.81 | 5.9 | 2.5 | 1.6 | 176 | 0.2 | 0.3 | <0.1 | 54 | 0.81 | 0.051 | 16 |
| EH 865 | Soil | 0.3 | 32.3 | 5.7 | 76 | <0.1 | 23.1 | 11.8 | 739 | 2.45 | 3.2 | <0.5 | 1.6 | 159 | 0.2 | 0.2 | <0.1 | 45 | 0.80 | 0.045 | 14 |
| EH 866 | Soil | 0.4 | 44.5 | 6.9 | 76 | <0.1 | 31.1 | 16.2 | 951 | 3.35 | 6.2 | 4.1 | 1.6 | 399 | 0.2 | 0.3 | 0.2 | 61 | 0.83 | 0.053 | 19 |
| EH 867 | Soil | 0.5 | 38.7 | 5.6 | 89 | <0.1 | 25.4 | 12.3 | 980 | 2.63 | 3.7 | 2.2 | 1.5 | 101 | 0.2 | 0.2 | 0.1 | 63 | 0.84 | 0.041 | 12 |
| EH 868 | Soil | 0.8 | 42.4 | 6.8 | 75 | <0.1 | 28.5 | 13.8 | 946 | 2.94 | 5.9 | 3.5 | 1.8 | 116 | 0.2 | 0.3 | 0.1 | 69 | 1.06 | 0.042 | 14 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 5 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 840 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 841 | Soil | 22 | 1.02 | 116 | 0.087 | 6 | 4.03 | 0.046 | 0.22 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| EH 842 | Soil | 33 | 0.76 | 164 | 0.132 | 2 | 3.32 | 0.030 | 0.21 | <0.1 | 0.02 | 7.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 843 | Soil | 31 | 0.69 | 158 | 0.126 | 2 | 3.03 | 0.043 | 0.17 | <0.1 | 0.03 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 844 | Soil | 33 | 0.60 | 171 | 0.146 | <1 | 2.67 | 0.034 | 0.16 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| EH 845 | Soil | 11 | 0.38 | 82 | 0.103 | 2 | 1.37 | 0.020 | 0.24 | <0.1 | 0.05 | 4.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 846 | Soil | 18 | 0.35 | 97 | 0.131 | <1 | 1.31 | 0.025 | 0.13 | <0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| EH 847 | Soil | 14 | 0.53 | 102 | 0.102 | <1 | 1.70 | 0.025 | 0.19 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 848 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 849 | Soil | 14 | 0.59 | 98 | 0.061 | 7 | 1.89 | 0.035 | 0.13 | 0.1 | 0.16 | 5.9 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 850 | Soil | 11 | 0.78 | 115 | 0.078 | 11 | 1.68 | 0.032 | 0.19 | <0.1 | 0.15 | 6.2 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| SD PMS-85 | Rock Pulp | 48 | 0.88 | 43 | 0.110 | <1 | 1.30 | 0.039 | 0.89 | 4.4 | 0.05 | 10.8 | 0.5 | 1.82 | 5 | 6.5 | 0.7 |
| EH 851 | Soil | 13 | 0.59 | 103 | 0.103 | 9 | 1.85 | 0.020 | 0.29 | <0.1 | 0.06 | 6.3 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH 852 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 853 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| EH 854 | Soil | 23 | 0.43 | 54 | 0.141 | 5 | 1.81 | 0.064 | 0.27 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 855 | Soil | 21 | 0.47 | 125 | 0.088 | 5 | 1.81 | 0.036 | 0.29 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 856 | Soil | 26 | 0.59 | 174 | 0.047 | 10 | 2.66 | 0.031 | 0.45 | <0.1 | 0.05 | 8.1 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| EH 857 | Soil | 19 | 0.47 | 209 | 0.069 | 14 | 1.75 | 0.029 | 0.39 | <0.1 | 0.07 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 858 | Soil | 18 | 0.39 | 160 | 0.082 | 15 | 1.45 | 0.023 | 0.38 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 859 | Soil | 27 | 0.54 | 159 | 0.107 | 10 | 1.89 | 0.025 | 0.36 | <0.1 | 0.04 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 860 | Soil | 21 | 0.42 | 142 | 0.107 | 8 | 1.62 | 0.024 | 0.30 | <0.1 | 0.03 | 4.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 861 | Soil | 32 | 0.60 | 118 | 0.089 | 5 | 2.63 | 0.023 | 0.24 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 862 | Soil | 20 | 0.56 | 91 | 0.069 | 4 | 2.13 | 0.030 | 0.18 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 863 | Soil | 26 | 0.67 | 241 | 0.070 | 6 | 2.38 | 0.021 | 0.46 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 864 | Soil | 24 | 0.72 | 226 | 0.065 | 7 | 2.42 | 0.020 | 0.48 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 865 | Soil | 24 | 0.73 | 224 | 0.058 | 13 | 2.40 | 0.019 | 0.48 | <0.1 | 0.03 | 5.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 866 | Soil | 35 | 1.00 | 389 | 0.033 | 11 | 3.03 | 0.027 | 0.53 | <0.1 | 0.01 | 5.7 | <0.1 | <0.05 | 9 | 0.6 | <0.2 |
| EH 867 | Soil | 27 | 0.67 | 180 | 0.113 | 10 | 2.73 | 0.023 | 0.40 | <0.1 | 0.03 | 6.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 868 | Soil | 32 | 0.72 | 184 | 0.116 | 7 | 2.99 | 0.022 | 0.32 | <0.1 | 0.02 | 7.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 20, 2013

Page: 6 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 869 | Soil | | 0.6 | 38.5 | 5.8 | 92 | <0.1 | 27.2 | 13.9 | 1067 | 2.66 | 4.9 | 1.8 | 1.5 | 123 | 0.2 | 0.2 | <0.1 | 65 | 1.00 | 0.046 | 12 |
| EH 870 | Soil | | 0.5 | 30.9 | 4.6 | 109 | <0.1 | 23.9 | 11.4 | 1385 | 2.36 | 2.2 | 2.5 | 1.3 | 93 | 0.3 | 0.2 | <0.1 | 54 | 0.65 | 0.049 | 8 |
| EH 871 | Soil | | 0.6 | 28.9 | 4.3 | 91 | <0.1 | 25.7 | 12.5 | 999 | 2.74 | 2.0 | 1.6 | 1.3 | 84 | 0.1 | 0.1 | <0.1 | 68 | 0.71 | 0.036 | 8 |
| EH 872 | Soil | | 0.5 | 31.1 | 4.3 | 59 | <0.1 | 25.0 | 11.8 | 743 | 2.82 | 2.2 | 1.4 | 1.4 | 105 | <0.1 | 0.2 | <0.1 | 77 | 0.74 | 0.033 | 11 |
| EH 873 | Soil | | 0.4 | 48.5 | 5.0 | 79 | <0.1 | 31.5 | 14.3 | 518 | 3.40 | 3.5 | 1.9 | 1.9 | 108 | 0.1 | 0.2 | <0.1 | 91 | 0.87 | 0.058 | 13 |
| EH 874 | Soil | | 0.6 | 27.9 | 4.7 | 64 | <0.1 | 21.6 | 10.6 | 938 | 2.21 | 2.6 | 2.7 | 1.2 | 84 | 0.1 | 0.2 | <0.1 | 56 | 0.69 | 0.050 | 6 |
| EH 875 | Soil | | 0.5 | 34.7 | 4.9 | 110 | <0.1 | 24.9 | 11.1 | 1272 | 2.47 | 1.7 | 2.0 | 1.3 | 79 | 0.1 | 0.1 | <0.1 | 59 | 0.72 | 0.049 | 8 |
| EH 876 | Soil | | 1.0 | 27.4 | 4.8 | 85 | <0.1 | 26.2 | 11.5 | 711 | 2.52 | 1.8 | 3.6 | 1.3 | 85 | 0.1 | 0.1 | <0.1 | 69 | 0.65 | 0.040 | 6 |
| EH 877 | Soil | | 0.8 | 32.3 | 5.8 | 72 | <0.1 | 22.1 | 11.2 | 849 | 2.65 | 2.2 | 0.9 | 1.6 | 108 | 0.1 | 0.2 | <0.1 | 63 | 0.79 | 0.039 | 16 |
| EH 878 | Soil | | 0.7 | 25.9 | 5.8 | 78 | <0.1 | 22.1 | 10.2 | 757 | 2.33 | 1.7 | 1.5 | 1.4 | 61 | 0.1 | 0.1 | <0.1 | 50 | 0.69 | 0.032 | 10 |
| EH 879 | Soil | | 0.3 | 34.3 | 2.8 | 31 | <0.1 | 12.9 | 5.6 | 760 | 1.13 | 2.9 | 5.0 | 0.3 | 139 | 0.2 | 0.2 | 0.1 | 34 | 11.04 | 0.108 | 7 |
| EH 880 | Soil | | 0.5 | 23.4 | 6.4 | 46 | <0.1 | 15.7 | 9.1 | 693 | 2.09 | 3.5 | 0.8 | 1.4 | 123 | <0.1 | 0.2 | 0.4 | 55 | 0.79 | 0.030 | 13 |
| EH 881 | Soil | | 0.6 | 36.7 | 6.4 | 71 | <0.1 | 25.8 | 12.1 | 773 | 2.56 | 3.8 | 3.2 | 1.5 | 154 | 0.2 | 0.3 | 0.1 | 62 | 1.31 | 0.061 | 15 |
| EH 882 | Soil | | 0.4 | 36.7 | 5.5 | 98 | <0.1 | 24.8 | 12.9 | 984 | 2.68 | 2.6 | 2.1 | 1.7 | 139 | 0.2 | 0.1 | <0.1 | 64 | 0.98 | 0.053 | 13 |
| EH 883 | Soil | | 0.4 | 30.6 | 5.8 | 82 | <0.1 | 24.6 | 11.9 | 851 | 2.56 | 1.7 | 2.0 | 1.7 | 127 | 0.2 | 0.2 | <0.1 | 64 | 0.75 | 0.027 | 15 |
| EH 884 | Soil | | 0.3 | 30.9 | 5.4 | 73 | <0.1 | 23.5 | 10.4 | 615 | 2.67 | 1.6 | 1.7 | 1.8 | 145 | 0.1 | 0.2 | <0.1 | 62 | 0.67 | 0.032 | 17 |
| EH 885 | Soil | | 0.3 | 29.6 | 6.6 | 74 | <0.1 | 20.6 | 10.4 | 670 | 2.67 | 1.5 | 1.1 | 2.3 | 131 | 0.1 | 0.2 | <0.1 | 60 | 0.72 | 0.034 | 20 |
| EH 886 | Soil | | 0.4 | 30.6 | 6.9 | 84 | <0.1 | 21.5 | 11.3 | 883 | 2.82 | 2.1 | 1.5 | 2.1 | 117 | 0.2 | 0.3 | <0.1 | 65 | 0.80 | 0.039 | 18 |
| EH 887 | Soil | | 0.4 | 30.3 | 8.5 | 99 | <0.1 | 18.9 | 11.1 | 927 | 2.66 | 2.1 | <0.5 | 1.8 | 108 | 0.2 | 0.2 | 0.3 | 60 | 0.95 | 0.051 | 15 |
| EH 888 | Soil | | 0.6 | 28.5 | 5.5 | 68 | <0.1 | 20.7 | 11.7 | 792 | 2.14 | 1.4 | 3.5 | 1.4 | 112 | 0.1 | 0.1 | 0.1 | 56 | 1.06 | 0.041 | 13 |
| EH 889 | Soil | | 1.0 | 27.6 | 5.0 | 61 | <0.1 | 19.0 | 11.7 | 951 | 2.18 | 1.9 | 0.8 | 1.4 | 82 | 0.2 | 0.1 | <0.1 | 51 | 0.74 | 0.038 | 10 |
| EH 890 | Soil | | 0.6 | 35.9 | 5.2 | 63 | <0.1 | 23.9 | 12.4 | 689 | 2.75 | 2.0 | 1.5 | 1.6 | 106 | 0.1 | 0.1 | <0.1 | 66 | 0.75 | 0.040 | 14 |
| EH 891 | Soil | | 0.3 | 21.1 | 6.4 | 73 | <0.1 | 14.3 | 7.1 | 512 | 2.09 | 3.1 | 1.1 | 1.8 | 89 | 0.1 | 0.2 | <0.1 | 52 | 0.55 | 0.028 | 11 |
| EH 892 | Soil | | 0.5 | 24.8 | 6.8 | 105 | <0.1 | 21.1 | 9.1 | 647 | 2.39 | 2.6 | 0.5 | 1.7 | 109 | 0.2 | 0.2 | <0.1 | 61 | 0.76 | 0.040 | 11 |
| EH 893 | Soil | | 0.6 | 36.6 | 6.3 | 80 | <0.1 | 35.5 | 10.3 | 527 | 2.85 | 3.0 | 0.6 | 2.0 | 95 | 0.1 | 0.3 | <0.1 | 69 | 0.65 | 0.027 | 11 |
| EH 894 | Soil | | 0.5 | 31.1 | 6.6 | 139 | <0.1 | 23.8 | 10.6 | 998 | 2.50 | 2.1 | 0.8 | 1.5 | 91 | 0.2 | 0.1 | <0.1 | 60 | 0.85 | 0.052 | 8 |
| EH 895 | Soil | | 0.5 | 24.3 | 7.4 | 114 | <0.1 | 18.0 | 8.4 | 880 | 2.09 | 2.6 | 0.8 | 1.7 | 101 | 0.2 | 0.2 | <0.1 | 50 | 0.83 | 0.044 | 10 |
| EH 896 | Soil | | 0.5 | 25.7 | 5.5 | 126 | <0.1 | 20.2 | 9.2 | 851 | 2.61 | 2.5 | 0.5 | 1.5 | 132 | 0.2 | 0.1 | <0.1 | 60 | 0.87 | 0.038 | 9 |
| EH 897 | Soil | | 0.6 | 26.2 | 6.3 | 89 | <0.1 | 32.2 | 11.4 | 828 | 2.73 | 3.5 | 1.5 | 1.6 | 80 | 0.1 | 0.3 | <0.1 | 70 | 0.66 | 0.030 | 8 |
| EH 898 | Soil | | 0.5 | 23.5 | 7.6 | 97 | <0.1 | 22.8 | 10.2 | 1181 | 2.52 | 3.8 | 1.0 | 1.8 | 93 | 0.2 | 0.2 | <0.1 | 64 | 0.73 | 0.024 | 10 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 20, 2013

Page: 6 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-------------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| | | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 869 | Soil | | 30 | 0.67 | 190 | 0.111 | 11 | 2.71 | 0.022 | 0.33 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 870 | Soil | | 24 | 0.67 | 221 | 0.107 | 15 | 2.51 | 0.027 | 0.41 | <0.1 | 0.01 | 5.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 871 | Soil | | 33 | 0.78 | 149 | 0.131 | 13 | 2.54 | 0.041 | 0.26 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 872 | Soil | | 33 | 0.76 | 120 | 0.143 | 15 | 2.37 | 0.037 | 0.32 | <0.1 | 0.04 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 873 | Soil | | 43 | 0.85 | 131 | 0.146 | 22 | 3.26 | 0.032 | 0.40 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| EH 874 | Soil | | 23 | 0.56 | 123 | 0.113 | 34 | 2.02 | 0.026 | 0.45 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 875 | Soil | | 27 | 0.66 | 201 | 0.146 | 17 | 2.14 | 0.030 | 0.36 | <0.1 | <0.01 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 876 | Soil | | 32 | 0.64 | 129 | 0.183 | 12 | 1.97 | 0.036 | 0.30 | <0.1 | 0.01 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 877 | Soil | | 23 | 0.73 | 126 | 0.068 | 15 | 2.15 | 0.028 | 0.40 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 878 | Soil | | 22 | 0.57 | 126 | 0.112 | 12 | 1.89 | 0.028 | 0.18 | <0.1 | 0.01 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 879 | Soil | | 14 | 0.57 | 77 | 0.036 | 63 | 0.93 | 0.030 | 0.15 | <0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 2 | 0.5 | <0.2 |
| EH 880 | Soil | | 20 | 0.47 | 167 | 0.102 | 19 | 1.52 | 0.024 | 0.42 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 881 | Soil | | 27 | 0.61 | 144 | 0.086 | 13 | 1.94 | 0.027 | 0.41 | <0.1 | 0.03 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 882 | Soil | | 26 | 0.60 | 139 | 0.097 | 13 | 2.29 | 0.023 | 0.55 | <0.1 | <0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 883 | Soil | | 30 | 0.61 | 132 | 0.101 | 7 | 2.51 | 0.023 | 0.45 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 884 | Soil | | 28 | 0.60 | 126 | 0.100 | 7 | 2.34 | 0.022 | 0.44 | <0.1 | <0.01 | 6.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 885 | Soil | | 25 | 0.57 | 136 | 0.091 | 6 | 2.51 | 0.024 | 0.32 | <0.1 | 0.01 | 5.9 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| EH 886 | Soil | | 28 | 0.54 | 147 | 0.108 | 6 | 2.36 | 0.023 | 0.27 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 887 | Soil | | 25 | 0.53 | 139 | 0.094 | 7 | 2.44 | 0.021 | 0.35 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 888 | Soil | | 22 | 0.57 | 178 | 0.084 | 11 | 2.17 | 0.032 | 0.36 | <0.1 | 0.04 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 889 | Soil | | 23 | 0.55 | 148 | 0.108 | 5 | 2.22 | 0.025 | 0.30 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 890 | Soil | | 28 | 0.64 | 128 | 0.109 | 9 | 2.37 | 0.031 | 0.38 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 891 | Soil | | 21 | 0.38 | 207 | 0.115 | 4 | 1.44 | 0.023 | 0.25 | <0.1 | 0.01 | 4.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 892 | Soil | | 27 | 0.49 | 248 | 0.143 | 9 | 2.16 | 0.023 | 0.33 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 893 | Soil | | 46 | 0.62 | 198 | 0.176 | 7 | 2.24 | 0.025 | 0.33 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 894 | Soil | | 30 | 0.53 | 317 | 0.140 | 13 | 2.64 | 0.025 | 0.44 | <0.1 | <0.01 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 895 | Soil | | 25 | 0.45 | 261 | 0.119 | 8 | 1.92 | 0.022 | 0.26 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 896 | Soil | | 28 | 0.49 | 249 | 0.120 | 8 | 2.60 | 0.025 | 0.25 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 897 | Soil | | 40 | 0.58 | 199 | 0.167 | 6 | 2.32 | 0.024 | 0.21 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 898 | Soil | | 29 | 0.51 | 328 | 0.140 | 7 | 2.39 | 0.026 | 0.21 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 7 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | | |
| EH 899 | Soil | 0.5 | 20.2 | 6.2 | 115 | <0.1 | 18.7 | 7.4 | 666 | 2.17 | 3.6 | 5.2 | 1.5 | 70 | 0.2 | 0.2 | <0.1 | 53 | 0.58 | 0.023 | 7 | |
| EH 900 | Soil | 5.6 | 19.1 | 6.8 | 80 | <0.1 | 18.8 | 9.1 | 760 | 2.03 | 7.5 | 3.4 | 1.6 | 69 | 0.1 | 0.4 | <0.1 | 54 | 0.55 | 0.025 | 7 | |
| SD PMS-P15 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| PMS-115 | Rock Pulp | 141.8 | 3543 | 25.7 | 63 | 2.5 | 36.8 | 21.1 | 407 | 4.28 | 55.8 | 532.7 | 2.3 | 31 | 0.5 | 3.9 | 0.4 | 141 | 0.32 | 0.091 | 11 | |
| EH 901 | Soil | 0.6 | 38.5 | 11.5 | 160 | <0.1 | 28.2 | 11.3 | 1493 | 2.68 | 5.5 | 27.1 | 2.1 | 102 | 0.3 | 0.3 | 0.2 | 60 | 0.91 | 0.068 | 12 | |
| EH 902 | Soil | 0.5 | 31.0 | 11.3 | 117 | <0.1 | 20.6 | 10.2 | 1326 | 2.36 | 3.2 | 2.8 | 2.3 | 88 | 0.3 | 0.2 | 0.2 | 54 | 0.79 | 0.038 | 12 | |
| EH 903 | Soil | 0.5 | 32.4 | 8.4 | 112 | <0.1 | 23.2 | 11.3 | 1019 | 2.60 | 2.6 | <0.5 | 1.9 | 91 | 0.2 | 0.2 | 0.1 | 62 | 0.69 | 0.031 | 10 | |
| EH 904 | Soil | 0.4 | 30.4 | 9.5 | 80 | <0.1 | 20.4 | 9.4 | 735 | 2.23 | 3.2 | 4.1 | 2.3 | 84 | 0.1 | 0.3 | 0.1 | 56 | 0.54 | 0.026 | 13 | |
| EH 905 | Soil | 0.4 | 32.1 | 9.6 | 107 | <0.1 | 20.4 | 10.4 | 1007 | 2.44 | 3.6 | <0.5 | 2.0 | 105 | 0.2 | 0.2 | 0.1 | 56 | 0.78 | 0.035 | 11 | |
| EH 906 | Soil | 0.5 | 24.7 | 6.2 | 88 | <0.1 | 18.4 | 8.6 | 713 | 2.28 | 2.5 | <0.5 | 2.2 | 81 | 0.1 | 0.2 | <0.1 | 51 | 0.58 | 0.019 | 13 | |
| EH 907 | Soil | 0.6 | 25.7 | 5.6 | 77 | <0.1 | 20.7 | 7.7 | 601 | 2.16 | 3.3 | <0.5 | 2.2 | 77 | 0.2 | 0.3 | <0.1 | 50 | 0.53 | 0.018 | 13 | |
| EH 908 | Soil | 0.7 | 28.4 | 6.6 | 86 | <0.1 | 22.5 | 10.6 | 951 | 2.31 | 2.5 | <0.5 | 2.0 | 85 | 0.2 | 0.2 | <0.1 | 59 | 0.58 | 0.017 | 12 | |
| EH 909 | Soil | 0.5 | 31.2 | 6.1 | 69 | <0.1 | 21.1 | 10.8 | 804 | 2.29 | 3.6 | <0.5 | 1.9 | 101 | 0.1 | 0.3 | <0.1 | 58 | 0.58 | 0.024 | 13 | |
| EH 910 | Soil | 0.6 | 28.2 | 6.0 | 85 | <0.1 | 20.8 | 10.3 | 884 | 2.27 | 2.8 | <0.5 | 1.8 | 92 | 0.2 | 0.2 | <0.1 | 57 | 0.54 | 0.016 | 11 | |
| EH 911 | Soil | 0.5 | 30.6 | 6.8 | 59 | <0.1 | 17.5 | 8.6 | 565 | 2.27 | 4.6 | <0.5 | 2.0 | 103 | 0.2 | 0.3 | <0.1 | 57 | 0.56 | 0.021 | 14 | |
| EH 912 | Soil | 0.5 | 28.2 | 5.5 | 82 | <0.1 | 20.9 | 10.1 | 841 | 2.27 | 3.2 | <0.5 | 1.7 | 84 | 0.1 | 0.2 | <0.1 | 65 | 0.58 | 0.023 | 13 | |
| EH 913 | Soil | 0.4 | 27.9 | 6.3 | 83 | <0.1 | 21.1 | 9.1 | 621 | 2.38 | 3.3 | <0.5 | 1.9 | 85 | 0.2 | 0.2 | <0.1 | 60 | 0.60 | 0.025 | 11 | |
| EH 914 | Soil | 0.6 | 37.4 | 8.6 | 197 | <0.1 | 23.6 | 12.6 | 1617 | 2.60 | 10.1 | 0.7 | 1.7 | 102 | 0.3 | 0.2 | <0.1 | 51 | 0.88 | 0.062 | 11 | |
| EH 915 | Soil | 1.7 | 31.8 | 9.6 | 83 | <0.1 | 22.5 | 10.5 | 998 | 2.63 | 14.5 | 1.8 | 1.8 | 83 | 0.2 | 0.5 | <0.1 | 57 | 0.71 | 0.028 | 12 | |
| EH 916 | Soil | 0.9 | 30.1 | 8.9 | 74 | <0.1 | 19.9 | 10.1 | 967 | 2.26 | 10.1 | 1.8 | 2.0 | 85 | 0.2 | 0.4 | <0.1 | 60 | 0.54 | 0.023 | 12 | |
| EH 917 | Soil | 0.7 | 29.5 | 8.0 | 83 | 0.1 | 20.6 | 10.4 | 968 | 2.43 | 6.3 | 2.1 | 1.8 | 80 | 0.2 | 0.2 | <0.1 | 59 | 0.61 | 0.031 | 11 | |
| EH 918 | Soil | 0.5 | 27.2 | 7.6 | 101 | <0.1 | 19.8 | 10.3 | 1203 | 2.26 | 5.0 | <0.5 | 1.6 | 84 | 0.2 | 0.2 | <0.1 | 57 | 0.63 | 0.021 | 10 | |
| EH 919 | Soil | 0.9 | 33.4 | 8.6 | 70 | 0.3 | 18.8 | 9.2 | 784 | 2.25 | 12.7 | 7.4 | 2.0 | 77 | 0.2 | 0.4 | <0.1 | 57 | 0.60 | 0.029 | 12 | |
| EH 920 | Soil | 0.6 | 31.2 | 9.0 | 83 | <0.1 | 20.0 | 10.0 | 1006 | 2.13 | 7.8 | 4.0 | 1.8 | 79 | 0.2 | 0.3 | <0.1 | 56 | 0.61 | 0.026 | 11 | |
| EH 921 | Soil | 0.7 | 32.7 | 8.0 | 79 | <0.1 | 21.5 | 9.4 | 791 | 2.46 | 7.9 | <0.5 | 1.7 | 78 | 0.2 | 0.3 | <0.1 | 57 | 0.74 | 0.035 | 11 | |
| EH 922 | Soil | 0.7 | 34.6 | 6.9 | 88 | <0.1 | 26.1 | 10.7 | 735 | 2.72 | 5.0 | <0.5 | 1.7 | 85 | 0.2 | 0.3 | <0.1 | 60 | 0.61 | 0.022 | 10 | |
| EH 923 | Soil | 1.4 | 44.1 | 11.0 | 189 | 0.1 | 26.5 | 13.1 | 2233 | 2.92 | 38.5 | 4.0 | 1.7 | 96 | 0.2 | 0.6 | <0.1 | 58 | 0.94 | 0.115 | 12 | |
| EH 924 | Soil | 1.7 | 37.2 | 9.6 | 106 | <0.1 | 24.0 | 11.2 | 1012 | 2.89 | 9.1 | <0.5 | 1.6 | 82 | 0.2 | 0.3 | <0.1 | 59 | 0.75 | 0.026 | 12 | |
| EH 925 | Soil | 1.0 | 38.8 | 9.7 | 100 | <0.1 | 28.5 | 15.0 | 1394 | 2.95 | 9.1 | 1.5 | 1.8 | 88 | 0.2 | 0.3 | <0.1 | 64 | 0.92 | 0.043 | 13 | |
| EH 926 | Soil | 0.9 | 39.7 | 8.7 | 114 | <0.1 | 33.8 | 15.1 | 1603 | 3.11 | 4.4 | <0.5 | 1.7 | 86 | 0.3 | 0.3 | <0.1 | 63 | 0.75 | 0.027 | 11 | |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 20, 2013

Page: 7 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------------------------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|--------|
| | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Hg ppm | Sc ppm | Tl ppm | S % | Ga ppm | Se ppm | Te ppm | |
| | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | | |
| EH 899 | Soil | 25 | 0.48 | 254 | 0.128 | 5 | 1.95 | 0.022 | 0.26 | <0.1 | 0.01 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 900 | Soil | 24 | 0.46 | 204 | 0.113 | 6 | 1.79 | 0.020 | 0.23 | <0.1 | 0.01 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| SD PMS-P15 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| PMS-115 | Rock Pulp | 56 | 0.87 | 47 | 0.133 | 2 | 1.32 | 0.035 | 0.92 | 4.2 | 0.07 | 12.0 | 0.5 | 2.05 | 6 | 6.7 | 0.9 |
| EH 901 | Soil | 34 | 0.55 | 353 | 0.123 | 9 | 2.48 | 0.021 | 0.32 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 902 | Soil | 23 | 0.43 | 323 | 0.096 | 8 | 2.07 | 0.021 | 0.34 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 903 | Soil | 29 | 0.52 | 298 | 0.137 | 5 | 2.33 | 0.026 | 0.31 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 904 | Soil | 24 | 0.42 | 391 | 0.096 | 7 | 1.81 | 0.023 | 0.26 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 905 | Soil | 24 | 0.48 | 385 | 0.112 | 8 | 2.13 | 0.024 | 0.34 | <0.1 | 0.03 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 906 | Soil | 23 | 0.43 | 305 | 0.101 | 6 | 2.09 | 0.021 | 0.29 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 907 | Soil | 24 | 0.40 | 213 | 0.094 | 5 | 1.63 | 0.020 | 0.23 | <0.1 | 0.07 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 908 | Soil | 28 | 0.46 | 219 | 0.113 | 5 | 1.96 | 0.021 | 0.27 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 909 | Soil | 26 | 0.42 | 197 | 0.108 | 4 | 1.79 | 0.029 | 0.30 | <0.1 | 0.03 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 910 | Soil | 24 | 0.43 | 197 | 0.138 | 4 | 1.84 | 0.022 | 0.28 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 911 | Soil | 25 | 0.37 | 183 | 0.132 | 3 | 1.70 | 0.026 | 0.28 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 912 | Soil | 26 | 0.45 | 182 | 0.127 | 4 | 1.72 | 0.026 | 0.24 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 913 | Soil | 28 | 0.42 | 212 | 0.134 | 6 | 1.91 | 0.024 | 0.34 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 914 | Soil | 23 | 0.53 | 383 | 0.113 | 9 | 3.04 | 0.023 | 0.37 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 915 | Soil | 25 | 0.47 | 236 | 0.121 | 7 | 1.97 | 0.024 | 0.36 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| EH 916 | Soil | 24 | 0.39 | 242 | 0.108 | 4 | 1.58 | 0.026 | 0.25 | <0.1 | 0.03 | 5.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| EH 917 | Soil | 24 | 0.44 | 241 | 0.119 | 4 | 1.79 | 0.024 | 0.28 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 918 | Soil | 24 | 0.46 | 270 | 0.123 | 4 | 2.09 | 0.026 | 0.32 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 919 | Soil | 24 | 0.38 | 202 | 0.106 | 6 | 1.79 | 0.034 | 0.30 | <0.1 | 0.03 | 5.1 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 920 | Soil | 26 | 0.41 | 225 | 0.117 | 4 | 1.67 | 0.025 | 0.29 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 921 | Soil | 28 | 0.43 | 206 | 0.111 | 6 | 2.02 | 0.025 | 0.36 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| EH 922 | Soil | 32 | 0.52 | 193 | 0.147 | 4 | 2.29 | 0.025 | 0.33 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 923 | Soil | 26 | 0.55 | 315 | 0.110 | 10 | 3.13 | 0.039 | 0.39 | <0.1 | 0.03 | 6.1 | 0.3 | <0.05 | 8 | <0.5 | <0.2 |
| EH 924 | Soil | 26 | 0.53 | 224 | 0.114 | 5 | 2.46 | 0.025 | 0.29 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 925 | Soil | 35 | 0.57 | 248 | 0.132 | 5 | 2.56 | 0.022 | 0.30 | <0.1 | 0.04 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 926 | Soil | 36 | 0.62 | 298 | 0.153 | 6 | 2.52 | 0.023 | 0.41 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 20, 2013

Page: 8 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| EH 927 | Soil | | 1.1 | 38.1 | 6.8 | 99 | <0.1 | 32.4 | 11.9 | 837 | 2.83 | 3.8 | <0.5 | 1.7 | 84 | 0.2 | 0.3 | <0.1 | 66 | 0.76 | 0.031 | 11 |
| EH 928 | Soil | | 0.7 | 33.9 | 7.1 | 85 | <0.1 | 33.6 | 12.7 | 1008 | 2.82 | 4.8 | <0.5 | 1.8 | 82 | 0.2 | 0.3 | 0.2 | 62 | 0.69 | 0.030 | 11 |
| EH 929 | Soil | | 0.9 | 32.3 | 6.2 | 98 | <0.1 | 31.8 | 12.7 | 1047 | 2.94 | 4.3 | <0.5 | 1.7 | 94 | 0.2 | 0.3 | 0.1 | 67 | 0.76 | 0.036 | 11 |
| EH 930 | Soil | | 0.8 | 31.1 | 6.4 | 89 | <0.1 | 31.6 | 11.5 | 783 | 2.99 | 4.3 | <0.5 | 1.6 | 88 | 0.3 | 0.3 | 0.1 | 67 | 0.70 | 0.045 | 11 |
| JT 487 | Soil | | 0.5 | 45.1 | 6.4 | 66 | <0.1 | 28.4 | 15.5 | 617 | 2.98 | 1.6 | <0.5 | 2.3 | 121 | 0.2 | 0.2 | <0.1 | 64 | 0.75 | 0.050 | 22 |
| JT 488 | Soil | | 0.3 | 46.9 | 5.0 | 62 | <0.1 | 36.4 | 15.7 | 563 | 3.50 | 1.8 | <0.5 | 2.2 | 160 | 0.2 | 0.1 | <0.1 | 76 | 0.78 | 0.061 | 20 |
| JT 489 | Soil | | 0.7 | 39.4 | 5.0 | 84 | <0.1 | 23.4 | 12.3 | 679 | 2.66 | 1.8 | <0.5 | 1.6 | 114 | 0.1 | 0.2 | <0.1 | 57 | 0.71 | 0.045 | 14 |
| JT 490 | Soil | | 0.4 | 35.6 | 5.5 | 59 | <0.1 | 22.8 | 11.5 | 468 | 2.67 | 1.4 | <0.5 | 1.9 | 133 | 0.1 | 0.2 | <0.1 | 63 | 0.75 | 0.044 | 17 |
| JT 491 | Soil | | 0.5 | 32.5 | 6.0 | 63 | <0.1 | 19.8 | 9.6 | 729 | 2.39 | 1.4 | <0.5 | 1.7 | 115 | 0.1 | 0.2 | <0.1 | 59 | 0.63 | 0.039 | 14 |
| JT 492 | Soil | | 0.6 | 37.9 | 5.6 | 75 | <0.1 | 22.4 | 10.8 | 516 | 2.67 | 2.4 | <0.5 | 1.9 | 111 | 0.2 | 0.2 | 0.2 | 60 | 0.66 | 0.050 | 15 |
| JT 493 | Soil | | 0.5 | 35.8 | 6.5 | 67 | <0.1 | 29.3 | 11.8 | 537 | 3.00 | 2.1 | 1.7 | 2.3 | 131 | <0.1 | 0.2 | <0.1 | 62 | 0.76 | 0.034 | 21 |
| JT 494 | Soil | | 0.6 | 36.5 | 6.4 | 67 | <0.1 | 30.4 | 12.1 | 413 | 3.15 | 2.9 | 1.6 | 2.2 | 123 | 0.1 | 0.3 | <0.1 | 63 | 0.87 | 0.042 | 17 |
| JT 495 | Soil | | 0.7 | 31.1 | 6.0 | 98 | <0.1 | 24.2 | 11.0 | 1160 | 2.62 | 2.8 | <0.5 | 1.8 | 89 | 0.2 | 0.2 | 0.1 | 58 | 0.67 | 0.038 | 10 |
| JT 496 | Soil | | 0.4 | 33.6 | 5.5 | 75 | <0.1 | 21.4 | 9.6 | 477 | 2.63 | 1.5 | 3.1 | 2.2 | 126 | <0.1 | 0.2 | <0.1 | 56 | 0.82 | 0.053 | 17 |
| JT 497 | Soil | | 0.7 | 29.8 | 6.7 | 113 | <0.1 | 20.1 | 11.1 | 1241 | 2.37 | 1.6 | 1.2 | 2.1 | 127 | 0.2 | 0.2 | <0.1 | 57 | 0.79 | 0.028 | 16 |
| JT 498 | Soil | | 0.6 | 31.1 | 5.4 | 69 | <0.1 | 22.5 | 11.6 | 853 | 2.35 | 0.8 | 1.3 | 1.9 | 135 | 0.1 | 0.2 | <0.1 | 56 | 0.81 | 0.037 | 17 |
| JT 499 | Soil | | 0.7 | 30.7 | 5.8 | 77 | <0.1 | 24.4 | 12.5 | 1000 | 2.55 | 0.8 | 1.7 | 1.9 | 133 | 0.1 | 0.1 | <0.1 | 65 | 0.69 | 0.033 | 14 |
| JT 500 | Soil | | 0.4 | 45.1 | 4.9 | 59 | <0.1 | 30.5 | 13.9 | 514 | 3.17 | 1.4 | 1.6 | 2.0 | 152 | 0.1 | 0.2 | <0.1 | 72 | 1.00 | 0.047 | 23 |
| JT 501 | Soil | | 0.4 | 37.1 | 5.6 | 69 | <0.1 | 25.8 | 12.3 | 592 | 2.80 | 0.9 | 5.5 | 2.1 | 128 | 0.1 | 0.2 | <0.1 | 59 | 0.79 | 0.036 | 16 |
| JT 502 | Soil | | 0.3 | 31.4 | 4.5 | 71 | <0.1 | 23.5 | 9.6 | 416 | 2.81 | 0.6 | <0.5 | 1.9 | 137 | <0.1 | 0.1 | <0.1 | 63 | 0.77 | 0.031 | 14 |
| JT 503 | Soil | | 0.5 | 34.7 | 3.9 | 61 | <0.1 | 27.6 | 11.2 | 381 | 2.99 | 0.9 | <0.5 | 1.9 | 125 | 0.1 | 0.2 | <0.1 | 68 | 0.86 | 0.033 | 16 |
| JT 504 | Soil | | 0.5 | 32.8 | 4.3 | 65 | <0.1 | 23.4 | 11.3 | 629 | 2.73 | 2.6 | 1.4 | 1.8 | 147 | <0.1 | 0.2 | <0.1 | 71 | 0.93 | 0.057 | 14 |
| JT 505 | Soil | | 0.4 | 35.1 | 4.9 | 72 | <0.1 | 24.8 | 11.4 | 592 | 2.87 | 2.0 | 1.5 | 1.9 | 159 | 0.1 | 0.2 | <0.1 | 68 | 0.79 | 0.038 | 14 |
| JT 506 | Soil | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 507 | Soil | | 0.7 | 29.2 | 4.1 | 60 | <0.1 | 23.3 | 11.8 | 700 | 2.36 | 1.7 | <0.5 | 1.2 | 106 | <0.1 | <0.1 | <0.1 | 58 | 0.69 | 0.034 | 7 |
| JT 508 | Soil | | 0.3 | 47.9 | 4.9 | 50 | <0.1 | 30.1 | 14.0 | 550 | 2.91 | 1.7 | 0.9 | 1.6 | 144 | <0.1 | <0.1 | <0.1 | 96 | 0.98 | 0.052 | 14 |
| JT 509 | Soil | | 0.3 | 47.6 | 4.6 | 59 | <0.1 | 40.0 | 15.4 | 440 | 2.90 | 0.8 | 1.0 | 1.8 | 120 | <0.1 | <0.1 | <0.1 | 79 | 0.83 | 0.041 | 19 |
| JT 510 | Soil | | 0.3 | 40.1 | 4.5 | 60 | <0.1 | 41.1 | 15.3 | 444 | 3.27 | 0.7 | 0.7 | 2.1 | 102 | 0.1 | 0.1 | <0.1 | 66 | 0.71 | 0.036 | 17 |
| JT 511 | Soil | | 0.4 | 42.0 | 3.8 | 64 | <0.1 | 55.5 | 19.3 | 571 | 3.69 | 0.7 | <0.5 | 1.8 | 71 | 0.1 | <0.1 | <0.1 | 66 | 0.63 | 0.046 | 17 |
| JT 512 | Soil | | 0.4 | 45.7 | 3.8 | 64 | <0.1 | 58.1 | 18.8 | 587 | 3.78 | <0.5 | 0.7 | 1.9 | 77 | 0.1 | <0.1 | <0.1 | 71 | 0.66 | 0.046 | 16 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 8 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| EH 927 | Soil | 39 | 0.61 | 260 | 0.143 | 5 | 2.70 | 0.025 | 0.29 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 928 | Soil | 34 | 0.58 | 242 | 0.136 | 5 | 2.56 | 0.021 | 0.26 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| EH 929 | Soil | 36 | 0.66 | 224 | 0.151 | 4 | 2.87 | 0.026 | 0.28 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 930 | Soil | 44 | 0.62 | 212 | 0.144 | 4 | 2.53 | 0.024 | 0.22 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 487 | Soil | 28 | 0.66 | 183 | 0.110 | 1 | 3.03 | 0.049 | 0.29 | <0.1 | 0.03 | 7.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 488 | Soil | 35 | 1.14 | 149 | 0.095 | 5 | 3.17 | 0.046 | 0.38 | <0.1 | 0.03 | 10.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 489 | Soil | 27 | 0.63 | 200 | 0.120 | 6 | 2.44 | 0.038 | 0.41 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 490 | Soil | 28 | 0.62 | 194 | 0.122 | 4 | 2.47 | 0.038 | 0.41 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 491 | Soil | 25 | 0.52 | 217 | 0.110 | 8 | 2.06 | 0.028 | 0.49 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 492 | Soil | 30 | 0.57 | 202 | 0.123 | 7 | 2.43 | 0.031 | 0.45 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 493 | Soil | 35 | 0.66 | 237 | 0.111 | 7 | 2.80 | 0.041 | 0.28 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| JT 494 | Soil | 41 | 0.61 | 208 | 0.103 | 5 | 2.41 | 0.029 | 0.23 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 495 | Soil | 30 | 0.61 | 265 | 0.125 | 5 | 2.53 | 0.035 | 0.22 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| JT 496 | Soil | 27 | 0.62 | 150 | 0.083 | 9 | 2.43 | 0.029 | 0.36 | <0.1 | 0.02 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 497 | Soil | 25 | 0.56 | 202 | 0.106 | 4 | 2.23 | 0.031 | 0.33 | <0.1 | 0.03 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 498 | Soil | 23 | 0.57 | 167 | 0.065 | 5 | 2.14 | 0.028 | 0.35 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 499 | Soil | 26 | 0.62 | 188 | 0.099 | 5 | 2.28 | 0.033 | 0.39 | <0.1 | 0.03 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 500 | Soil | 32 | 0.78 | 156 | 0.055 | 6 | 2.99 | 0.033 | 0.27 | <0.1 | 0.02 | 10.6 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| JT 501 | Soil | 28 | 0.67 | 150 | 0.088 | 8 | 2.67 | 0.042 | 0.28 | <0.1 | 0.02 | 8.7 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| JT 502 | Soil | 30 | 0.63 | 122 | 0.094 | 7 | 2.46 | 0.052 | 0.29 | <0.1 | 0.01 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 503 | Soil | 33 | 0.62 | 94 | 0.085 | 4 | 2.61 | 0.064 | 0.26 | <0.1 | 0.02 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 504 | Soil | 29 | 0.45 | 138 | 0.056 | 9 | 2.26 | 0.030 | 0.30 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 505 | Soil | 30 | 0.60 | 176 | 0.106 | 5 | 2.80 | 0.041 | 0.27 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 506 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 507 | Soil | 30 | 0.60 | 124 | 0.041 | 4 | 2.24 | 0.045 | 0.11 | <0.1 | <0.01 | 7.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 508 | Soil | 34 | 0.62 | 121 | 0.025 | 6 | 2.40 | 0.054 | 0.14 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| JT 509 | Soil | 40 | 0.76 | 99 | 0.039 | 6 | 2.44 | 0.060 | 0.17 | <0.1 | <0.01 | 11.3 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| JT 510 | Soil | 41 | 0.89 | 105 | 0.126 | 12 | 2.48 | 0.046 | 0.22 | <0.1 | 0.01 | 11.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 511 | Soil | 43 | 1.21 | 68 | 0.216 | 6 | 2.29 | 0.047 | 0.16 | <0.1 | <0.01 | 12.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 512 | Soil | 39 | 1.39 | 61 | 0.218 | 2 | 2.21 | 0.046 | 0.22 | <0.1 | 0.01 | 12.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 9 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 513 | Soil | 0.5 | 27.9 | 4.6 | 114 | <0.1 | 22.9 | 9.1 | 701 | 2.15 | 1.2 | <0.5 | 1.4 | 67 | <0.1 | <0.1 | <0.1 | 44 | 0.72 | 0.036 | 8 |
| JT 514 | Soil | 0.4 | 32.6 | 6.2 | 72 | <0.1 | 33.3 | 17.4 | 933 | 2.87 | 1.2 | <0.5 | 2.3 | 100 | 0.1 | 0.1 | <0.1 | 64 | 0.71 | 0.031 | 14 |
| JT 515 | Soil | 0.4 | 41.1 | 4.9 | 61 | <0.1 | 36.6 | 14.5 | 491 | 3.19 | 1.2 | <0.5 | 2.9 | 107 | <0.1 | 0.1 | <0.1 | 74 | 0.95 | 0.037 | 20 |
| JT 516 | Soil | 0.2 | 36.4 | 5.5 | 57 | <0.1 | 31.8 | 14.2 | 456 | 3.12 | 1.5 | <0.5 | 2.8 | 109 | <0.1 | 0.1 | <0.1 | 63 | 0.76 | 0.038 | 16 |
| JT 517 | Soil | 0.4 | 40.3 | 4.7 | 51 | <0.1 | 36.2 | 13.0 | 302 | 3.30 | 1.6 | <0.5 | 2.8 | 105 | 0.1 | 0.1 | <0.1 | 76 | 0.72 | 0.029 | 19 |
| JT 518 | Soil | 0.4 | 32.6 | 4.6 | 76 | <0.1 | 27.4 | 10.2 | 545 | 2.51 | 1.3 | <0.5 | 2.2 | 103 | <0.1 | 0.1 | <0.1 | 52 | 0.67 | 0.031 | 14 |
| JT 519 | Soil | 0.5 | 28.7 | 4.8 | 74 | <0.1 | 23.0 | 11.1 | 699 | 2.64 | 1.5 | <0.5 | 1.5 | 101 | <0.1 | 0.1 | <0.1 | 57 | 0.61 | 0.034 | 8 |
| JT 520 | Soil | 0.3 | 32.3 | 5.1 | 41 | <0.1 | 21.8 | 10.8 | 295 | 2.52 | 1.7 | <0.5 | 1.1 | 55 | <0.1 | <0.1 | <0.1 | 50 | 0.53 | 0.029 | 4 |
| JT 521 | Soil | 0.3 | 23.7 | 4.1 | 54 | <0.1 | 17.9 | 8.0 | 335 | 2.11 | 1.0 | 0.5 | 1.3 | 59 | <0.1 | <0.1 | <0.1 | 52 | 0.50 | 0.028 | 6 |
| JT 522 | Soil | 0.4 | 24.8 | 4.1 | 78 | <0.1 | 19.4 | 7.3 | 346 | 2.07 | 1.7 | <0.5 | 0.9 | 48 | <0.1 | <0.1 | <0.1 | 48 | 0.43 | 0.035 | 3 |
| JT 523 | Soil | 0.3 | 24.0 | 4.3 | 70 | <0.1 | 20.8 | 7.3 | 303 | 2.08 | 1.2 | 1.2 | 1.0 | 49 | <0.1 | <0.1 | <0.1 | 49 | 0.45 | 0.053 | 4 |
| JT 524 | Soil | 0.6 | 25.0 | 3.5 | 98 | <0.1 | 19.2 | 6.9 | 730 | 2.00 | 1.1 | <0.5 | 1.2 | 66 | 0.1 | <0.1 | <0.1 | 42 | 0.55 | 0.045 | 5 |
| JT 525 | Soil | 0.4 | 40.5 | 3.8 | 59 | 0.1 | 35.2 | 11.8 | 294 | 2.93 | 1.9 | 0.9 | 2.3 | 88 | 0.1 | 0.2 | <0.1 | 68 | 0.70 | 0.071 | 10 |
| JT 526 | Soil | 0.6 | 28.3 | 4.5 | 98 | 0.1 | 22.4 | 9.6 | 643 | 2.34 | 2.1 | <0.5 | 1.4 | 66 | 0.1 | 0.1 | <0.1 | 55 | 0.53 | 0.067 | 6 |
| JT 527 | Soil | 0.7 | 23.8 | 4.4 | 88 | <0.1 | 19.0 | 8.3 | 579 | 2.24 | 1.5 | <0.5 | 1.0 | 61 | <0.1 | 0.1 | <0.1 | 57 | 0.46 | 0.050 | 4 |
| JT 528 | Soil | 0.4 | 29.0 | 6.7 | 59 | <0.1 | 15.3 | 7.7 | 484 | 2.20 | 2.2 | 0.6 | 1.8 | 108 | 0.1 | 0.3 | <0.1 | 53 | 0.55 | 0.021 | 16 |
| JT 529 | Soil | 0.4 | 32.5 | 6.2 | 104 | <0.1 | 21.4 | 9.1 | 580 | 2.39 | 2.7 | 0.8 | 1.6 | 92 | <0.1 | 0.2 | <0.1 | 55 | 0.65 | 0.030 | 13 |
| JT 530 | Soil | 0.4 | 35.3 | 7.0 | 120 | <0.1 | 22.5 | 10.7 | 1140 | 2.46 | 3.6 | 1.4 | 1.5 | 102 | 0.2 | 0.3 | 0.2 | 50 | 0.73 | 0.039 | 14 |
| JT 531 | Soil | 0.4 | 27.7 | 5.3 | 96 | <0.1 | 19.2 | 8.2 | 511 | 2.40 | 2.0 | <0.5 | 1.3 | 101 | 0.1 | 0.2 | 0.1 | 51 | 0.72 | 0.030 | 11 |
| JT 532 | Soil | 0.3 | 27.7 | 4.9 | 75 | <0.1 | 17.3 | 8.0 | 361 | 2.29 | 2.7 | <0.5 | 1.5 | 100 | 0.2 | 0.2 | <0.1 | 52 | 0.60 | 0.022 | 12 |
| JT 533 | Soil | 0.4 | 23.7 | 5.3 | 55 | 0.1 | 14.8 | 6.4 | 294 | 2.07 | 4.9 | 1.8 | 1.5 | 97 | <0.1 | 0.2 | <0.1 | 48 | 0.58 | 0.022 | 11 |
| JT 534 | Soil | 0.4 | 30.1 | 4.8 | 60 | <0.1 | 17.1 | 7.1 | 301 | 2.25 | 3.6 | 1.0 | 1.6 | 89 | <0.1 | 0.3 | <0.1 | 53 | 0.59 | 0.020 | 11 |
| JT 535 | Soil | 0.3 | 25.2 | 5.1 | 63 | <0.1 | 16.6 | 6.8 | 335 | 2.08 | 2.7 | 0.7 | 1.4 | 82 | 0.1 | 0.2 | <0.1 | 49 | 0.54 | 0.031 | 10 |
| JT 536 | Soil | 0.5 | 26.7 | 5.8 | 56 | <0.1 | 18.2 | 7.9 | 455 | 2.16 | 2.6 | 1.9 | 1.7 | 77 | <0.1 | 0.3 | <0.1 | 53 | 0.50 | 0.020 | 12 |
| JT 537 | Soil | 0.3 | 23.2 | 5.8 | 98 | <0.1 | 17.5 | 7.9 | 854 | 2.23 | 1.8 | <0.5 | 1.8 | 93 | 0.2 | 0.2 | <0.1 | 44 | 0.70 | 0.034 | 17 |
| JT 538 | Soil | 0.4 | 21.8 | 6.7 | 84 | <0.1 | 14.3 | 7.5 | 975 | 2.16 | 2.0 | 1.4 | 1.6 | 102 | 0.2 | 0.3 | <0.1 | 48 | 0.65 | 0.033 | 13 |
| JT 539 | Soil | 0.4 | 23.2 | 5.2 | 52 | <0.1 | 14.2 | 6.9 | 606 | 1.99 | 1.7 | 0.8 | 1.7 | 106 | 0.1 | 0.3 | <0.1 | 47 | 0.71 | 0.017 | 15 |
| JT 540 | Soil | 0.3 | 23.0 | 5.1 | 54 | <0.1 | 13.5 | 7.2 | 516 | 1.91 | 1.6 | 1.9 | 1.8 | 105 | <0.1 | 0.2 | <0.1 | 44 | 0.58 | 0.024 | 16 |
| JT 541 | Soil | 0.3 | 18.8 | 5.2 | 66 | <0.1 | 13.0 | 6.7 | 367 | 2.19 | 0.5 | 2.3 | 2.1 | 110 | <0.1 | 0.1 | <0.1 | 49 | 0.63 | 0.022 | 18 |
| JT 542 | Soil | 0.6 | 28.1 | 4.4 | 76 | <0.1 | 20.6 | 10.6 | 652 | 2.38 | 1.0 | 1.1 | 1.5 | 178 | 0.1 | 0.1 | <0.1 | 51 | 0.66 | 0.031 | 11 |

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.



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Mammoth Geological Ltd.**

2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Project: GP-13

Report Date: June 20, 2013

Page: 9 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 513 | Soil | 22 | 0.51 | 147 | 0.098 | 6 | 2.33 | 0.033 | 0.19 | <0.1 | 0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 514 | Soil | 37 | 0.66 | 174 | 0.118 | 3 | 2.55 | 0.047 | 0.28 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 515 | Soil | 55 | 0.99 | 159 | 0.130 | 3 | 3.15 | 0.053 | 0.16 | <0.1 | 0.02 | 10.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 516 | Soil | 60 | 1.02 | 175 | 0.076 | 2 | 3.27 | 0.039 | 0.17 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 517 | Soil | 50 | 0.85 | 129 | 0.123 | 1 | 3.06 | 0.061 | 0.11 | <0.1 | 0.03 | 10.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 518 | Soil | 33 | 0.58 | 146 | 0.108 | 3 | 2.33 | 0.039 | 0.25 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 519 | Soil | 30 | 0.69 | 157 | 0.113 | 5 | 2.59 | 0.029 | 0.28 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 520 | Soil | 27 | 0.68 | 84 | 0.087 | 5 | 2.28 | 0.036 | 0.21 | <0.1 | 0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 521 | Soil | 30 | 0.49 | 110 | 0.105 | 7 | 1.87 | 0.038 | 0.29 | <0.1 | <0.01 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 522 | Soil | 24 | 0.47 | 107 | 0.104 | 6 | 1.76 | 0.031 | 0.23 | <0.1 | <0.01 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 523 | Soil | 24 | 0.53 | 97 | 0.105 | 5 | 1.77 | 0.036 | 0.19 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 524 | Soil | 23 | 0.49 | 129 | 0.094 | 5 | 1.81 | 0.029 | 0.24 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 525 | Soil | 40 | 1.04 | 85 | 0.103 | 3 | 2.17 | 0.029 | 0.24 | <0.1 | 0.02 | 8.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 526 | Soil | 28 | 0.57 | 141 | 0.115 | 3 | 1.93 | 0.028 | 0.24 | <0.1 | 0.03 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 527 | Soil | 26 | 0.51 | 139 | 0.132 | 2 | 2.01 | 0.029 | 0.17 | <0.1 | 0.01 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 528 | Soil | 21 | 0.47 | 138 | 0.094 | 5 | 1.47 | 0.022 | 0.32 | <0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 529 | Soil | 29 | 0.59 | 165 | 0.116 | 8 | 2.02 | 0.026 | 0.36 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 530 | Soil | 27 | 0.48 | 207 | 0.098 | 7 | 1.97 | 0.022 | 0.36 | <0.1 | 0.02 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 531 | Soil | 27 | 0.48 | 151 | 0.117 | 7 | 1.96 | 0.021 | 0.31 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 532 | Soil | 24 | 0.42 | 145 | 0.118 | 5 | 1.93 | 0.024 | 0.29 | <0.1 | 0.01 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 533 | Soil | 22 | 0.30 | 136 | 0.101 | 5 | 1.47 | 0.022 | 0.21 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 534 | Soil | 27 | 0.40 | 148 | 0.117 | 4 | 1.64 | 0.024 | 0.26 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 535 | Soil | 23 | 0.39 | 178 | 0.112 | 4 | 1.74 | 0.024 | 0.27 | <0.1 | 0.01 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 536 | Soil | 26 | 0.38 | 179 | 0.109 | 2 | 1.49 | 0.023 | 0.21 | <0.1 | <0.01 | 4.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 537 | Soil | 20 | 0.44 | 173 | 0.105 | 8 | 2.26 | 0.023 | 0.35 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 538 | Soil | 20 | 0.37 | 152 | 0.101 | 7 | 1.74 | 0.021 | 0.31 | <0.1 | 0.02 | 4.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 539 | Soil | 18 | 0.35 | 135 | 0.106 | 4 | 1.52 | 0.025 | 0.26 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 540 | Soil | 17 | 0.36 | 156 | 0.088 | 5 | 1.61 | 0.025 | 0.34 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 541 | Soil | 18 | 0.47 | 135 | 0.109 | 4 | 1.79 | 0.034 | 0.56 | <0.1 | 0.01 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 542 | Soil | 24 | 0.48 | 284 | 0.086 | 5 | 2.21 | 0.021 | 0.49 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 10 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 543 | Soil | 0.3 | 42.9 | 4.0 | 58 | <0.1 | 28.5 | 13.3 | 384 | 3.32 | 2.0 | 1.0 | 1.8 | 368 | 0.1 | 0.2 | <0.1 | 74 | 0.90 | 0.049 | 17 |
| JT 544 | Soil | 0.5 | 37.9 | 4.3 | 60 | <0.1 | 25.8 | 12.9 | 527 | 3.28 | 1.4 | 0.8 | 1.8 | 340 | 0.1 | 0.2 | <0.1 | 65 | 0.88 | 0.052 | 17 |
| JT 545 | Soil | 0.3 | 56.7 | 4.1 | 64 | <0.1 | 28.4 | 13.0 | 363 | 3.61 | 2.5 | 1.9 | 1.7 | 175 | 0.2 | 0.2 | <0.1 | 99 | 0.92 | 0.091 | 24 |
| JT 546 | Soil | 0.6 | 28.6 | 4.5 | 61 | <0.1 | 21.5 | 11.1 | 703 | 2.61 | 1.3 | 1.9 | 1.5 | 169 | <0.1 | 0.2 | <0.1 | 63 | 0.76 | 0.034 | 14 |
| JT 547 | Soil | 0.5 | 25.1 | 3.5 | 75 | <0.1 | 19.3 | 9.4 | 846 | 2.35 | 1.1 | 0.7 | 1.2 | 118 | <0.1 | 0.1 | 0.1 | 55 | 0.76 | 0.038 | 9 |
| JT 548 | Soil | 0.5 | 29.1 | 4.3 | 58 | <0.1 | 25.3 | 11.5 | 497 | 2.75 | 1.4 | 4.5 | 1.6 | 103 | 0.1 | 0.2 | <0.1 | 67 | 0.72 | 0.028 | 13 |
| JT 549 | Soil | 0.5 | 30.1 | 3.7 | 75 | <0.1 | 24.0 | 10.2 | 687 | 2.74 | 1.3 | <0.5 | 1.6 | 101 | <0.1 | 0.1 | <0.1 | 62 | 0.68 | 0.025 | 12 |
| JT 550 | Soil | 0.5 | 33.2 | 4.8 | 64 | <0.1 | 25.0 | 11.7 | 606 | 2.78 | 1.6 | <0.5 | 1.8 | 138 | 0.1 | 0.2 | <0.1 | 63 | 0.66 | 0.025 | 17 |
| GPSTD-1 | Rock Pulp | 30.3 | 6937 | 4412 | >10000 | 69.6 | 34.4 | 48.5 | 480 | 4.55 | 50.9 | 511.0 | 3.6 | 34 | 61.9 | 67.8 | 10.3 | 57 | 0.76 | 0.045 | 10 |
| JT 551 | Soil | 0.5 | 34.2 | 4.7 | 68 | <0.1 | 27.4 | 11.5 | 532 | 2.69 | 1.1 | <0.5 | 1.4 | 81 | 0.1 | 0.1 | <0.1 | 59 | 0.62 | 0.034 | 13 |
| JT 552 | Soil | 0.4 | 39.5 | 3.8 | 57 | <0.1 | 30.9 | 13.9 | 516 | 3.37 | 1.8 | 16.7 | 1.9 | 112 | 0.1 | 0.1 | <0.1 | 74 | 0.64 | 0.031 | 15 |
| JT 553 | Soil | 0.4 | 33.8 | 3.6 | 60 | <0.1 | 30.8 | 13.6 | 518 | 3.08 | 0.8 | 1.1 | 1.5 | 82 | <0.1 | <0.1 | 0.1 | 66 | 0.62 | 0.031 | 13 |
| JT 554 | Soil | 0.6 | 30.4 | 3.2 | 81 | <0.1 | 30.7 | 12.2 | 748 | 2.44 | <0.5 | <0.5 | 1.0 | 47 | 0.1 | <0.1 | <0.1 | 47 | 0.52 | 0.031 | 8 |
| JT 555 | Soil | 0.3 | 39.5 | 2.9 | 61 | <0.1 | 66.7 | 20.2 | 615 | 3.88 | <0.5 | <0.5 | 1.4 | 50 | <0.1 | <0.1 | <0.1 | 70 | 0.52 | 0.032 | 17 |
| JT 556 | Soil | 0.2 | 39.2 | 2.3 | 64 | <0.1 | 82.8 | 21.3 | 484 | 3.54 | <0.5 | <0.5 | 1.1 | 69 | <0.1 | <0.1 | <0.1 | 59 | 0.66 | 0.041 | 12 |
| JT 557 | Soil | 0.3 | 34.4 | 3.6 | 52 | <0.1 | 34.9 | 13.8 | 530 | 2.74 | <0.5 | 0.7 | 2.1 | 101 | <0.1 | <0.1 | <0.1 | 62 | 0.69 | 0.025 | 15 |
| JT 558 | Soil | 0.3 | 29.9 | 3.8 | 52 | <0.1 | 28.9 | 11.8 | 373 | 2.61 | 0.9 | <0.5 | 1.7 | 111 | 0.1 | <0.1 | <0.1 | 56 | 0.59 | 0.021 | 12 |
| JT 559 | Soil | 0.5 | 25.3 | 4.2 | 59 | <0.1 | 25.9 | 10.0 | 546 | 2.48 | 1.2 | 0.5 | 1.4 | 84 | <0.1 | 0.1 | <0.1 | 59 | 0.48 | 0.023 | 8 |
| JT 560 | Soil | 0.3 | 39.4 | 3.9 | 55 | <0.1 | 40.4 | 16.3 | 457 | 3.34 | 1.2 | <0.5 | 2.3 | 112 | 0.2 | 0.1 | <0.1 | 66 | 0.70 | 0.032 | 17 |
| JT 561 | Soil | 0.4 | 38.4 | 4.3 | 58 | <0.1 | 36.4 | 14.3 | 365 | 3.28 | 1.2 | <0.5 | 1.9 | 91 | 0.1 | 0.2 | <0.1 | 71 | 0.65 | 0.033 | 14 |
| JT 562 | Soil | 0.4 | 24.5 | 3.7 | 71 | <0.1 | 24.0 | 9.8 | 983 | 2.29 | 0.5 | <0.5 | 1.7 | 80 | <0.1 | <0.1 | <0.1 | 52 | 0.50 | 0.019 | 11 |
| JT 563 | Soil | 0.3 | 29.5 | 3.0 | 64 | <0.1 | 27.2 | 10.1 | 595 | 2.59 | <0.5 | <0.5 | 1.7 | 68 | <0.1 | <0.1 | <0.1 | 55 | 0.44 | 0.022 | 12 |
| JT 564 | Soil | 0.4 | 23.6 | 4.2 | 52 | <0.1 | 16.9 | 7.9 | 335 | 2.00 | 0.7 | <0.5 | 1.0 | 56 | <0.1 | <0.1 | <0.1 | 49 | 0.45 | 0.025 | 4 |
| JT 565 | Soil | 0.4 | 40.7 | 4.8 | 71 | <0.1 | 20.5 | 14.6 | 757 | 3.25 | 0.8 | 1.7 | 1.7 | 64 | 0.2 | <0.1 | 0.2 | 99 | 0.46 | 0.029 | 13 |
| JT 566 | Soil | 0.4 | 38.2 | 4.5 | 69 | <0.1 | 26.5 | 13.4 | 535 | 3.06 | 1.0 | 1.0 | 1.8 | 99 | <0.1 | 0.1 | <0.1 | 72 | 0.63 | 0.030 | 15 |
| JT 567 | Soil | 0.3 | 35.6 | 4.5 | 75 | <0.1 | 24.2 | 11.4 | 722 | 2.93 | 1.2 | 1.9 | 1.7 | 127 | 0.2 | <0.1 | 0.1 | 63 | 0.61 | 0.025 | 14 |
| JT 568 | Soil | 0.3 | 46.7 | 4.4 | 58 | <0.1 | 34.1 | 14.4 | 447 | 3.42 | 1.1 | 0.7 | 2.2 | 193 | 0.1 | 0.1 | 0.1 | 69 | 0.81 | 0.038 | 15 |
| JT 569 | Soil | 0.3 | 22.2 | 6.1 | 46 | <0.1 | 10.5 | 6.3 | 424 | 1.89 | 1.9 | 1.8 | 2.0 | 145 | <0.1 | 0.2 | 0.1 | 44 | 0.61 | 0.019 | 17 |
| JT 570 | Soil | 0.3 | 28.1 | 5.1 | 76 | <0.1 | 15.5 | 7.1 | 342 | 2.23 | 2.8 | 1.6 | 1.7 | 114 | 0.1 | 0.1 | <0.1 | 53 | 0.59 | 0.021 | 16 |
| JT 571 | Soil | 0.4 | 29.7 | 7.7 | 68 | <0.1 | 16.0 | 10.4 | 884 | 2.15 | 4.1 | 1.3 | 2.1 | 187 | <0.1 | 0.2 | <0.1 | 58 | 0.66 | 0.024 | 18 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 20, 2013

Page: 10 of 11

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | 0.2 |
| JT 543 | Soil | 33 | 0.73 | 359 | 0.088 | 3 | 3.06 | 0.032 | 0.40 | <0.1 | 0.04 | 9.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 544 | Soil | 28 | 0.70 | 361 | 0.062 | 4 | 3.20 | 0.022 | 0.55 | <0.1 | 0.02 | 9.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 545 | Soil | 25 | 0.69 | 197 | 0.012 | 3 | 3.03 | 0.039 | 0.14 | <0.1 | 0.34 | 12.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 546 | Soil | 25 | 0.57 | 192 | 0.106 | 4 | 2.35 | 0.028 | 0.38 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 547 | Soil | 25 | 0.50 | 147 | 0.117 | 7 | 2.18 | 0.028 | 0.32 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 548 | Soil | 32 | 0.55 | 125 | 0.136 | 3 | 2.32 | 0.038 | 0.19 | <0.1 | 0.02 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 549 | Soil | 30 | 0.57 | 131 | 0.123 | 4 | 2.35 | 0.045 | 0.21 | <0.1 | <0.01 | 6.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 550 | Soil | 28 | 0.60 | 169 | 0.102 | 3 | 2.44 | 0.034 | 0.27 | <0.1 | 0.03 | 6.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GPSTD-1 | Rock Pulp | 33 | 0.95 | 60 | 0.117 | 3 | 1.54 | 0.080 | 0.20 | 30.6 | 1.83 | 4.0 | 1.8 | 2.53 | 8 | 3.9 | <0.2 |
| JT 551 | Soil | 34 | 0.65 | 119 | 0.144 | 3 | 2.37 | 0.036 | 0.17 | <0.1 | 0.01 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 552 | Soil | 41 | 0.63 | 107 | 0.118 | 3 | 2.50 | 0.039 | 0.29 | <0.1 | 0.02 | 10.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 553 | Soil | 36 | 0.74 | 99 | 0.157 | 4 | 2.18 | 0.039 | 0.26 | <0.1 | <0.01 | 8.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 554 | Soil | 30 | 0.66 | 77 | 0.156 | 4 | 1.71 | 0.027 | 0.20 | <0.1 | <0.01 | 6.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 555 | Soil | 37 | 1.20 | 44 | 0.213 | 2 | 1.86 | 0.037 | 0.20 | <0.1 | <0.01 | 11.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 556 | Soil | 34 | 1.29 | 59 | 0.154 | 2 | 1.67 | 0.036 | 0.20 | <0.1 | <0.01 | 11.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 557 | Soil | 31 | 0.82 | 156 | 0.108 | 2 | 2.14 | 0.049 | 0.16 | <0.1 | 0.02 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 558 | Soil | 34 | 0.74 | 199 | 0.128 | <1 | 2.12 | 0.040 | 0.13 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 559 | Soil | 35 | 0.58 | 148 | 0.145 | 2 | 2.18 | 0.033 | 0.13 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 560 | Soil | 47 | 0.93 | 134 | 0.141 | 2 | 2.76 | 0.042 | 0.17 | <0.1 | <0.01 | 9.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 561 | Soil | 46 | 0.73 | 137 | 0.148 | 2 | 2.88 | 0.040 | 0.17 | <0.1 | <0.01 | 8.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 562 | Soil | 31 | 0.41 | 132 | 0.103 | 3 | 1.75 | 0.038 | 0.25 | <0.1 | <0.01 | 6.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 563 | Soil | 35 | 0.43 | 113 | 0.121 | 3 | 1.90 | 0.037 | 0.30 | <0.1 | <0.01 | 7.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 564 | Soil | 21 | 0.41 | 106 | 0.142 | 2 | 1.84 | 0.030 | 0.10 | <0.1 | 0.01 | 4.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 565 | Soil | 26 | 0.56 | 99 | 0.284 | 4 | 2.01 | 0.040 | 0.24 | 0.3 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 566 | Soil | 33 | 0.66 | 110 | 0.183 | 3 | 2.34 | 0.046 | 0.29 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 567 | Soil | 32 | 0.63 | 151 | 0.158 | 6 | 2.51 | 0.057 | 0.34 | <0.1 | 0.03 | 9.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 568 | Soil | 34 | 0.90 | 184 | 0.186 | 2 | 2.88 | 0.051 | 0.22 | <0.1 | 0.04 | 12.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 569 | Soil | 13 | 0.35 | 191 | 0.096 | 7 | 1.53 | 0.022 | 0.26 | <0.1 | 0.01 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 570 | Soil | 20 | 0.44 | 187 | 0.107 | 7 | 1.82 | 0.025 | 0.30 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 571 | Soil | 20 | 0.42 | 214 | 0.101 | 8 | 1.64 | 0.026 | 0.33 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 20, 2013

Page: 11 of 11

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001955.1

| | Method | 1DX15 | | | | | | | | | | | | | | | | | | | |
|--------|--------|---------|------|-----|-----|------|------|------|------|------|-----|------|-----|-----|------|------|------|-----|------|-------|-----|
| | | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| JT 572 | Soil | 0.4 | 29.3 | 6.7 | 62 | <0.1 | 16.1 | 8.7 | 661 | 2.15 | 2.1 | 1.0 | 1.6 | 155 | 0.1 | 0.2 | 0.3 | 55 | 0.54 | 0.018 | 12 |
| JT 573 | Soil | 0.4 | 31.8 | 6.8 | 77 | <0.1 | 18.2 | 10.6 | 886 | 2.58 | 2.4 | 2.4 | 2.2 | 215 | 0.2 | 0.2 | 0.1 | 55 | 0.81 | 0.026 | 16 |
| JT 574 | Soil | 0.3 | 37.4 | 6.0 | 106 | <0.1 | 20.3 | 11.9 | 669 | 2.74 | 2.0 | <0.5 | 1.8 | 129 | <0.1 | 0.1 | <0.1 | 52 | 0.74 | 0.034 | 15 |
| JT 575 | Soil | 0.3 | 37.3 | 5.9 | 179 | <0.1 | 23.6 | 12.3 | 968 | 2.78 | 2.4 | <0.5 | 1.4 | 157 | 0.2 | 0.1 | <0.1 | 56 | 1.12 | 0.058 | 10 |
| JT 576 | Soil | 0.4 | 35.8 | 6.6 | 99 | <0.1 | 21.7 | 10.4 | 728 | 2.63 | 2.8 | 2.1 | 1.7 | 146 | <0.1 | 0.2 | <0.1 | 64 | 0.70 | 0.031 | 11 |
| JT 577 | Soil | 0.4 | 33.3 | 5.3 | 122 | <0.1 | 24.1 | 11.0 | 640 | 2.87 | 2.5 | <0.5 | 1.6 | 128 | 0.1 | 0.2 | <0.1 | 64 | 0.73 | 0.030 | 12 |
| JT 578 | Soil | 0.6 | 19.4 | 7.0 | 51 | <0.1 | 10.8 | 6.4 | 488 | 1.75 | 3.6 | <0.5 | 2.5 | 127 | <0.1 | 0.3 | 0.1 | 42 | 0.49 | 0.019 | 15 |
| JT 579 | Soil | 0.4 | 25.3 | 5.8 | 86 | <0.1 | 18.7 | 10.0 | 862 | 2.24 | 2.0 | <0.5 | 1.4 | 92 | 0.2 | 0.2 | <0.1 | 56 | 0.57 | 0.025 | 9 |
| JT 580 | Soil | 0.5 | 17.7 | 4.5 | 61 | <0.1 | 13.6 | 6.8 | 428 | 2.00 | 2.0 | 1.6 | 1.0 | 75 | <0.1 | 0.1 | <0.1 | 48 | 0.57 | 0.032 | 8 |
| JT 581 | Soil | 0.3 | 17.6 | 5.5 | 70 | <0.1 | 12.0 | 6.4 | 487 | 2.03 | 1.9 | 18.2 | 1.8 | 114 | <0.1 | 0.2 | <0.1 | 48 | 0.54 | 0.027 | 19 |
| JT 582 | Soil | 0.5 | 22.7 | 4.8 | 137 | <0.1 | 20.4 | 8.4 | 1491 | 2.12 | 1.8 | 6.4 | 1.3 | 82 | 0.2 | 0.2 | <0.1 | 49 | 0.56 | 0.027 | 8 |
| JT 583 | Soil | 0.9 | 19.9 | 4.3 | 123 | <0.1 | 19.7 | 6.8 | 767 | 2.02 | 1.8 | <0.5 | 1.1 | 78 | 0.3 | 0.1 | <0.1 | 48 | 0.54 | 0.035 | 6 |
| JT 584 | Soil | 0.8 | 17.1 | 6.3 | 118 | <0.1 | 19.3 | 8.7 | 1492 | 2.18 | 1.8 | 4.6 | 1.4 | 82 | 0.2 | 0.3 | <0.1 | 49 | 0.65 | 0.031 | 11 |
| JT 585 | Soil | 0.7 | 26.1 | 7.0 | 86 | <0.1 | 20.5 | 9.3 | 932 | 2.51 | 2.9 | 2.3 | 2.1 | 123 | <0.1 | 0.4 | <0.1 | 69 | 0.71 | 0.031 | 16 |
| JT 586 | Soil | 0.5 | 44.6 | 5.4 | 68 | <0.1 | 30.3 | 14.4 | 531 | 3.03 | 2.7 | 36.1 | 2.3 | 247 | 0.2 | 0.2 | <0.1 | 76 | 0.80 | 0.048 | 19 |
| JT 587 | Soil | 0.3 | 22.7 | 4.7 | 71 | <0.1 | 18.8 | 9.2 | 494 | 2.83 | 1.5 | <0.5 | 2.7 | 126 | <0.1 | <0.1 | <0.1 | 64 | 0.66 | 0.033 | 26 |
| JT 588 | Soil | 0.5 | 34.3 | 5.4 | 80 | <0.1 | 25.8 | 12.1 | 672 | 2.91 | 2.9 | 26.3 | 2.0 | 93 | <0.1 | 0.2 | <0.1 | 70 | 0.71 | 0.025 | 14 |
| JT 589 | Soil | 0.6 | 30.3 | 4.7 | 88 | <0.1 | 20.9 | 10.5 | 895 | 2.48 | 1.9 | 1.0 | 1.7 | 146 | 0.1 | 0.2 | <0.1 | 62 | 0.74 | 0.037 | 15 |
| JT 590 | Soil | 0.6 | 29.2 | 3.9 | 67 | <0.1 | 20.7 | 11.6 | 774 | 2.51 | 2.1 | <0.5 | 1.5 | 228 | 0.1 | <0.1 | 0.4 | 65 | 0.76 | 0.031 | 12 |

CERTIFICATE OF ANALYSIS

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 572 | Soil | 21 | 0.42 | 252 | 0.126 | 5 | 1.61 | 0.019 | 0.32 | <0.1 | 0.02 | 4.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 573 | Soil | 24 | 0.48 | 197 | 0.138 | 9 | 1.84 | 0.027 | 0.35 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 574 | Soil | 25 | 0.55 | 213 | 0.122 | 10 | 2.56 | 0.026 | 0.37 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 575 | Soil | 26 | 0.59 | 191 | 0.127 | 13 | 3.01 | 0.031 | 0.40 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 576 | Soil | 27 | 0.53 | 159 | 0.142 | 7 | 2.25 | 0.029 | 0.34 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 577 | Soil | 30 | 0.58 | 165 | 0.152 | 9 | 2.73 | 0.034 | 0.36 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 578 | Soil | 12 | 0.28 | 149 | 0.096 | 4 | 1.28 | 0.028 | 0.28 | <0.1 | 0.02 | 3.6 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| JT 579 | Soil | 25 | 0.51 | 156 | 0.141 | 5 | 1.95 | 0.026 | 0.36 | <0.1 | 0.03 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 580 | Soil | 22 | 0.45 | 123 | 0.115 | 6 | 1.79 | 0.025 | 0.36 | <0.1 | 0.02 | 4.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 581 | Soil | 16 | 0.43 | 132 | 0.104 | 3 | 1.75 | 0.026 | 0.33 | <0.1 | 0.03 | 4.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 582 | Soil | 24 | 0.45 | 181 | 0.126 | 6 | 2.09 | 0.025 | 0.33 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 583 | Soil | 23 | 0.45 | 144 | 0.129 | 5 | 2.24 | 0.024 | 0.18 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 584 | Soil | 22 | 0.44 | 183 | 0.125 | 7 | 2.42 | 0.026 | 0.25 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 585 | Soil | 28 | 0.49 | 174 | 0.172 | 4 | 2.23 | 0.032 | 0.23 | <0.1 | 0.03 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 586 | Soil | 31 | 0.73 | 316 | 0.120 | 6 | 3.50 | 0.042 | 0.45 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 587 | Soil | 16 | 0.72 | 168 | 0.123 | 4 | 2.02 | 0.056 | 0.41 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 588 | Soil | 35 | 0.69 | 132 | 0.159 | 5 | 2.91 | 0.033 | 0.32 | <0.1 | 0.01 | 7.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 589 | Soil | 26 | 0.59 | 201 | 0.125 | 6 | 2.48 | 0.039 | 0.38 | <0.1 | 0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 590 | Soil | 26 | 0.59 | 269 | 0.118 | 4 | 2.44 | 0.058 | 0.27 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001955.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| EH 774 | Soil | 0.6 | 46.1 | 4.7 | 76 | <0.1 | 24.5 | 18.0 | 1091 | 3.01 | 3.4 | <0.5 | 1.6 | 101 | 0.3 | 0.2 | <0.1 | 82 | 1.01 | 0.044 | 11 |
| REP EH 774 | QC | 0.6 | 51.0 | 4.6 | 76 | <0.1 | 24.3 | 18.0 | 1039 | 3.11 | 3.6 | <0.5 | 1.7 | 101 | 0.3 | 0.2 | <0.1 | 82 | 1.02 | 0.046 | 11 |
| EH 811 | Soil | 0.8 | 31.3 | 6.6 | 79 | <0.1 | 24.8 | 14.8 | 943 | 2.88 | 2.1 | 1.1 | 1.6 | 118 | 0.2 | 0.3 | <0.1 | 76 | 0.81 | 0.033 | 12 |
| REP EH 811 | QC | 0.7 | 30.6 | 6.6 | 77 | <0.1 | 24.9 | 14.9 | 956 | 2.81 | 2.4 | 1.1 | 1.6 | 121 | 0.2 | 0.2 | <0.1 | 74 | 0.83 | 0.033 | 13 |
| EH 832 | Soil | 0.2 | 40.8 | 5.0 | 63 | <0.1 | 34.6 | 15.7 | 650 | 3.28 | <0.5 | <0.5 | 2.8 | 96 | 0.1 | <0.1 | <0.1 | 70 | 0.87 | 0.024 | 18 |
| REP EH 832 | QC | 0.1 | 39.6 | 4.9 | 61 | <0.1 | 34.1 | 15.4 | 648 | 3.35 | <0.5 | 1.5 | 2.8 | 98 | <0.1 | <0.1 | <0.1 | 71 | 0.89 | 0.025 | 18 |
| EH 871 | Soil | 0.6 | 28.9 | 4.3 | 91 | <0.1 | 25.7 | 12.5 | 999 | 2.74 | 2.0 | 1.6 | 1.3 | 84 | 0.1 | 0.1 | <0.1 | 68 | 0.71 | 0.036 | 8 |
| REP EH 871 | QC | 0.6 | 30.2 | 4.3 | 91 | <0.1 | 26.0 | 12.3 | 1019 | 2.74 | 1.9 | 2.2 | 1.4 | 82 | 0.2 | 0.2 | <0.1 | 65 | 0.67 | 0.033 | 8 |
| EH 919 | Soil | 0.9 | 33.4 | 8.6 | 70 | 0.3 | 18.8 | 9.2 | 784 | 2.25 | 12.7 | 7.4 | 2.0 | 77 | 0.2 | 0.4 | <0.1 | 57 | 0.60 | 0.029 | 12 |
| REP EH 919 | QC | 0.9 | 33.0 | 8.6 | 69 | 0.2 | 18.8 | 9.2 | 820 | 2.31 | 12.3 | 8.0 | 1.9 | 73 | 0.2 | 0.4 | <0.1 | 53 | 0.55 | 0.028 | 12 |
| JT 512 | Soil | 0.4 | 45.7 | 3.8 | 64 | <0.1 | 58.1 | 18.8 | 587 | 3.78 | <0.5 | 0.7 | 1.9 | 77 | 0.1 | <0.1 | <0.1 | 71 | 0.66 | 0.046 | 16 |
| REP JT 512 | QC | 0.4 | 44.6 | 3.8 | 62 | <0.1 | 59.2 | 18.9 | 606 | 3.84 | 0.9 | 2.1 | 1.8 | 80 | <0.1 | <0.1 | <0.1 | 75 | 0.65 | 0.049 | 16 |
| JT 564 | Soil | 0.4 | 23.6 | 4.2 | 52 | <0.1 | 16.9 | 7.9 | 335 | 2.00 | 0.7 | <0.5 | 1.0 | 56 | <0.1 | <0.1 | <0.1 | 49 | 0.45 | 0.025 | 4 |
| REP JT 564 | QC | 0.4 | 23.5 | 4.1 | 53 | <0.1 | 15.5 | 8.0 | 328 | 1.96 | 0.7 | <0.5 | 1.0 | 53 | <0.1 | <0.1 | <0.1 | 49 | 0.44 | 0.028 | 4 |
| JT 572 | Soil | 0.4 | 29.3 | 6.7 | 62 | <0.1 | 16.1 | 8.7 | 661 | 2.15 | 2.1 | 1.0 | 1.6 | 155 | 0.1 | 0.2 | 0.3 | 55 | 0.54 | 0.018 | 12 |
| REP JT 572 | QC | 0.4 | 29.0 | 6.7 | 61 | <0.1 | 16.1 | 8.9 | 679 | 2.18 | 2.4 | 4.9 | 1.5 | 156 | 0.1 | 0.2 | 0.2 | 56 | 0.55 | 0.018 | 13 |
| JT 578 | Soil | 0.6 | 19.4 | 7.0 | 51 | <0.1 | 10.8 | 6.4 | 488 | 1.75 | 3.6 | <0.5 | 2.5 | 127 | <0.1 | 0.3 | 0.1 | 42 | 0.49 | 0.019 | 15 |
| REP JT 578 | QC | 0.7 | 20.3 | 6.7 | 52 | <0.1 | 9.6 | 6.3 | 509 | 1.80 | 3.9 | <0.5 | 2.4 | 126 | <0.1 | 0.3 | <0.1 | 42 | 0.48 | 0.019 | 15 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 14.2 | 163.1 | 131.3 | 353 | 1.8 | 78.4 | 14.2 | 985 | 3.28 | 43.2 | 80.5 | 7.3 | 75 | 2.8 | 9.4 | 11.7 | 51 | 1.01 | 0.072 | 19 |
| STD DS11 | Standard | 14.0 | 153.4 | 138.2 | 340 | 1.9 | 81.1 | 13.7 | 1028 | 3.09 | 42.3 | 140.6 | 7.3 | 66 | 2.6 | 8.8 | 11.3 | 49 | 0.94 | 0.074 | 18 |
| STD DS11 | Standard | 14.7 | 158.1 | 138.5 | 338 | 1.9 | 80.8 | 14.3 | 1052 | 3.16 | 41.0 | 82.7 | 7.1 | 64 | 2.4 | 8.5 | 10.7 | 53 | 1.01 | 0.069 | 18 |
| STD DS11 | Standard | 14.1 | 144.8 | 135.7 | 336 | 1.9 | 77.5 | 13.4 | 1001 | 3.08 | 42.7 | 83.8 | 6.9 | 66 | 2.2 | 8.5 | 10.7 | 48 | 0.96 | 0.066 | 18 |
| STD DS11 | Standard | 14.5 | 146.6 | 146.6 | 336 | 1.8 | 76.0 | 13.0 | 1042 | 2.95 | 41.4 | 79.0 | 7.8 | 71 | 2.4 | 9.8 | 12.0 | 49 | 1.01 | 0.067 | 19 |
| STD DS11 | Standard | 13.9 | 146.3 | 147.6 | 321 | 1.6 | 75.7 | 13.0 | 935 | 2.99 | 40.9 | 72.7 | 7.7 | 73 | 2.2 | 8.3 | 11.3 | 50 | 1.02 | 0.067 | 19 |
| STD DS11 | Standard | 13.8 | 151.0 | 140.1 | 342 | 1.7 | 79.7 | 13.8 | 1064 | 3.16 | 45.5 | 83.9 | 7.2 | 78 | 2.4 | 10.0 | 12.7 | 51 | 1.03 | 0.075 | 18 |
| STD DS11 | Standard | 15.2 | 149.8 | 142.0 | 339 | 1.9 | 78.4 | 13.4 | 995 | 3.14 | 41.7 | 95.0 | 7.8 | 72 | 2.3 | 9.3 | 10.4 | 54 | 0.99 | 0.069 | 19 |
| STD DS11 | Standard | 14.7 | 149.3 | 133.4 | 337 | 1.7 | 78.3 | 13.8 | 1015 | 3.02 | 41.6 | 100.6 | 7.5 | 74 | 2.6 | 8.9 | 11.5 | 53 | 1.02 | 0.070 | 19 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 1 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001955.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| EH 774 | Soil | 26 | 0.72 | 182 | 0.164 | 5 | 2.90 | 0.027 | 0.34 | <0.1 | 0.03 | 8.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP EH 774 | QC | 28 | 0.72 | 174 | 0.164 | 5 | 2.83 | 0.028 | 0.35 | <0.1 | 0.03 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 811 | Soil | 27 | 0.64 | 165 | 0.127 | 4 | 2.78 | 0.029 | 0.20 | <0.1 | 0.08 | 7.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP EH 811 | QC | 27 | 0.64 | 164 | 0.125 | 2 | 2.80 | 0.029 | 0.20 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 7 | 0.7 | <0.2 |
| EH 832 | Soil | 26 | 1.42 | 68 | 0.143 | 5 | 2.37 | 0.063 | 0.20 | <0.1 | <0.01 | 11.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP EH 832 | QC | 27 | 1.44 | 69 | 0.150 | 3 | 2.51 | 0.064 | 0.21 | <0.1 | <0.01 | 11.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| EH 871 | Soil | 33 | 0.78 | 149 | 0.131 | 13 | 2.54 | 0.041 | 0.26 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP EH 871 | QC | 33 | 0.74 | 148 | 0.135 | 13 | 2.56 | 0.041 | 0.27 | <0.1 | 0.01 | 6.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| EH 919 | Soil | 24 | 0.38 | 202 | 0.106 | 6 | 1.79 | 0.034 | 0.30 | <0.1 | 0.03 | 5.1 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP EH 919 | QC | 23 | 0.37 | 194 | 0.097 | 5 | 1.69 | 0.022 | 0.28 | <0.1 | 0.02 | 4.7 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 512 | Soil | 39 | 1.39 | 61 | 0.218 | 2 | 2.21 | 0.046 | 0.22 | <0.1 | 0.01 | 12.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 512 | QC | 41 | 1.40 | 62 | 0.226 | 3 | 2.22 | 0.048 | 0.23 | <0.1 | <0.01 | 12.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 564 | Soil | 21 | 0.41 | 106 | 0.142 | 2 | 1.84 | 0.030 | 0.10 | <0.1 | 0.01 | 4.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP JT 564 | QC | 20 | 0.41 | 108 | 0.136 | 2 | 1.82 | 0.030 | 0.10 | <0.1 | 0.01 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 572 | Soil | 21 | 0.42 | 252 | 0.126 | 5 | 1.61 | 0.019 | 0.32 | <0.1 | 0.02 | 4.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP JT 572 | QC | 22 | 0.46 | 262 | 0.127 | 4 | 1.67 | 0.020 | 0.31 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 578 | Soil | 12 | 0.28 | 149 | 0.096 | 4 | 1.28 | 0.028 | 0.28 | <0.1 | 0.02 | 3.6 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| REP JT 578 | QC | 12 | 0.29 | 151 | 0.097 | 3 | 1.33 | 0.028 | 0.28 | <0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 59 | 0.81 | 375 | 0.101 | 5 | 1.10 | 0.070 | 0.38 | 3.0 | 0.27 | 2.8 | 4.6 | 0.20 | 5 | 2.4 | 4.6 |
| STD DS11 | Standard | 60 | 0.81 | 367 | 0.095 | 7 | 1.06 | 0.063 | 0.39 | 3.2 | 0.25 | 2.7 | 4.5 | 0.18 | 5 | 2.3 | 4.5 |
| STD DS11 | Standard | 62 | 0.81 | 344 | 0.095 | 7 | 1.06 | 0.064 | 0.38 | 3.2 | 0.27 | 2.8 | 5.0 | 0.22 | 5 | 2.2 | 4.9 |
| STD DS11 | Standard | 57 | 0.81 | 371 | 0.090 | 6 | 1.08 | 0.065 | 0.38 | 3.0 | 0.28 | 2.8 | 4.7 | 0.20 | 5 | 2.2 | 4.6 |
| STD DS11 | Standard | 58 | 0.82 | 372 | 0.091 | 7 | 1.08 | 0.065 | 0.37 | 3.0 | 0.28 | 3.3 | 4.6 | 0.25 | 5 | 2.3 | 4.9 |
| STD DS11 | Standard | 54 | 0.82 | 362 | 0.092 | 5 | 1.07 | 0.064 | 0.36 | 2.8 | 0.27 | 2.6 | 4.3 | 0.19 | 5 | 1.8 | 4.4 |
| STD DS11 | Standard | 61 | 0.85 | 401 | 0.090 | 10 | 1.11 | 0.070 | 0.38 | 3.3 | 0.27 | 3.3 | 4.5 | 0.28 | 5 | 2.4 | 4.0 |
| STD DS11 | Standard | 58 | 0.86 | 374 | 0.103 | 8 | 1.18 | 0.070 | 0.36 | 3.0 | 0.25 | 2.8 | 4.4 | 0.18 | 5 | 2.3 | 4.8 |
| STD DS11 | Standard | 61 | 0.84 | 350 | 0.096 | 6 | 1.16 | 0.071 | 0.37 | 2.9 | 0.27 | 3.2 | 4.4 | 0.21 | 5 | 2.3 | 4.4 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001955.1

| | | 1DX15 Mo ppm 0.1 | 1DX15 Cu ppm 0.1 | 1DX15 Pb ppm 0.1 | 1DX15 Zn ppm 1 | 1DX15 Ag ppm 0.1 | 1DX15 Ni ppm 0.1 | 1DX15 Co ppm 0.1 | 1DX15 Mn ppm 1 | 1DX15 Fe % 0.01 | 1DX15 As ppm 0.5 | 1DX15 Au ppb 0.5 | 1DX15 Th ppm 0.1 | 1DX15 Sr ppm 1 | 1DX15 Cd ppm 0.1 | 1DX15 Sb ppm 0.1 | 1DX15 Bi ppm 0.1 | 1DX15 V ppm 2 | 1DX15 Ca % 0.01 | 1DX15 P % 0.001 | 1DX15 La ppm 1 |
|------------------|----------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|--------------------------|--------------------------|-------------------------|
| STD DS11 | Standard | 12.8 | 153.1 | 133.8 | 339 | 1.8 | 73.3 | 12.8 | 962 | 2.93 | 41.2 | 70.6 | 7.0 | 64 | 2.4 | 9.1 | 10.9 | 45 | 0.94 | 0.065 | 18 |
| STD DS9 | Standard | 13.6 | 112.6 | 132.1 | 306 | 1.8 | 38.2 | 7.9 | 595 | 2.42 | 25.9 | 131.3 | 7.0 | 80 | 2.9 | 6.2 | 7.0 | 42 | 0.74 | 0.087 | 15 |
| STD DS9 | Standard | 13.2 | 112.5 | 129.8 | 309 | 1.8 | 38.4 | 7.3 | 595 | 2.42 | 26.5 | 113.5 | 6.7 | 77 | 2.7 | 6.2 | 6.9 | 43 | 0.68 | 0.085 | 15 |
| STD DS9 | Standard | 14.2 | 118.5 | 134.9 | 326 | 1.8 | 45.5 | 8.1 | 594 | 2.40 | 25.4 | 119.6 | 6.9 | 76 | 2.5 | 6.1 | 6.6 | 44 | 0.72 | 0.086 | 15 |
| STD DS9 | Standard | 12.9 | 106.7 | 120.3 | 306 | 1.7 | 39.0 | 7.3 | 568 | 2.28 | 24.7 | 102.4 | 6.2 | 71 | 2.4 | 5.4 | 6.3 | 40 | 0.70 | 0.078 | 14 |
| STD DS9 | Standard | 12.5 | 107.0 | 136.2 | 305 | 1.9 | 35.4 | 6.8 | 564 | 2.24 | 25.2 | 111.7 | 6.6 | 74 | 2.4 | 6.4 | 7.0 | 41 | 0.71 | 0.077 | 13 |
| STD DS9 | Standard | 12.1 | 102.5 | 142.0 | 299 | 1.7 | 37.1 | 7.2 | 549 | 2.13 | 25.2 | 106.2 | 7.0 | 76 | 2.0 | 5.8 | 6.7 | 37 | 0.69 | 0.078 | 15 |
| STD DS9 | Standard | 13.8 | 106.5 | 129.3 | 315 | 1.6 | 39.9 | 8.0 | 606 | 2.46 | 26.7 | 115.3 | 6.7 | 88 | 2.4 | 7.0 | 7.3 | 44 | 0.73 | 0.088 | 15 |
| STD DS9 | Standard | 14.1 | 111.9 | 131.9 | 325 | 1.8 | 39.6 | 7.9 | 606 | 2.42 | 26.4 | 119.2 | 6.7 | 79 | 2.3 | 6.3 | 6.2 | 47 | 0.73 | 0.080 | 16 |
| STD DS9 | Standard | 14.1 | 117.2 | 132.1 | 331 | 1.7 | 41.3 | 8.0 | 618 | 2.40 | 26.4 | 111.0 | 6.9 | 89 | 2.4 | 6.1 | 7.5 | 44 | 0.76 | 0.086 | 16 |
| STD DS9 | Standard | 12.9 | 108.8 | 126.5 | 304 | 1.8 | 38.3 | 7.1 | 558 | 2.22 | 24.8 | 116.1 | 6.1 | 72 | 2.6 | 5.8 | 6.2 | 40 | 0.66 | 0.079 | 14 |
| 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 | 13.3 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | | | | | | | | | | | | | |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 20, 2013

Page: 2 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001955.1

| | | 1DX15 Cr ppm | 1DX15 Mg % | 1DX15 Ba ppm | 1DX15 Ti % | 1DX15 B ppm | 1DX15 Al % | 1DX15 Na % | 1DX15 K % | 1DX15 W ppm | 1DX15 Hg ppm | 1DX15 Sc ppm | 1DX15 Ti ppm | 1DX15 S % | 1DX15 Ga ppm | 1DX15 Se ppm | 1DX15 Te ppm |
|------------------|----------|--------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|-----------------|-------------------|--------------------|--------------------|--------------------|-----------------|--------------------|--------------------|--------------------|
| | | 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 |
| STD DS11 | Standard | 56 | 0.77 | 367 | 0.091 | 6 | 1.02 | 0.063 | 0.38 | 3.2 | 0.25 | 2.7 | 4.5 | 0.26 | 5 | 2.0 | 4.6 |
| STD DS9 | Standard | 116 | 0.62 | 315 | 0.133 | 1 | 0.99 | 0.094 | 0.41 | 2.9 | 0.21 | 2.4 | 5.4 | <0.05 | 5 | 5.1 | 5.0 |
| STD DS9 | Standard | 117 | 0.65 | 312 | 0.126 | 3 | 0.97 | 0.080 | 0.39 | 3.1 | 0.20 | 2.4 | 5.0 | 0.05 | 4 | 5.6 | 5.4 |
| STD DS9 | Standard | 128 | 0.66 | 309 | 0.123 | 3 | 1.00 | 0.095 | 0.40 | 3.2 | 0.22 | 2.7 | 5.5 | 0.15 | 5 | 5.4 | 5.3 |
| STD DS9 | Standard | 116 | 0.61 | 298 | 0.114 | 2 | 0.93 | 0.078 | 0.38 | 3.0 | 0.19 | 2.2 | 4.9 | 0.12 | 5 | 5.4 | 5.1 |
| STD DS9 | Standard | 114 | 0.59 | 286 | 0.107 | 2 | 0.88 | 0.075 | 0.38 | 2.9 | 0.21 | 2.5 | 5.2 | 0.09 | 4 | 5.3 | 5.0 |
| STD DS9 | Standard | 111 | 0.63 | 288 | 0.115 | 2 | 0.90 | 0.081 | 0.38 | 2.9 | 0.18 | 2.0 | 5.2 | 0.05 | 5 | 5.2 | 4.6 |
| STD DS9 | Standard | 123 | 0.66 | 338 | 0.122 | 4 | 1.03 | 0.101 | 0.40 | 3.2 | 0.19 | 3.3 | 5.4 | 0.13 | 5 | 5.5 | 5.3 |
| STD DS9 | Standard | 122 | 0.64 | 316 | 0.135 | 3 | 0.98 | 0.086 | 0.39 | 3.0 | 0.19 | 2.4 | 5.0 | 0.07 | 5 | 5.1 | 4.9 |
| STD DS9 | Standard | 127 | 0.67 | 308 | 0.129 | 1 | 1.04 | 0.100 | 0.39 | 3.2 | 0.22 | 2.9 | 5.3 | 0.07 | 5 | 6.1 | 5.5 |
| STD DS9 | Standard | 120 | 0.61 | 308 | 0.119 | 3 | 0.90 | 0.081 | 0.39 | 3.1 | 0.21 | 2.2 | 4.8 | 0.15 | 5 | 5.0 | 5.0 |
| STD DS9 Expected | | 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 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <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 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: June 10, 2013
Report Date: June 18, 2013
Page: 1 of 10

CERTIFICATE OF ANALYSIS

VAN13001956.1

CLIENT JOB INFORMATION

Project: GP-13
Shipment ID:
P.O. Number
Number of Samples: 268

SAMPLE DISPOSAL

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

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

Invoice To: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| Dry at 60C | 259 | Dry at 60C | | | VAN |
| SS80 | 253 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| 1DX2 | 259 | 1:1:1 Aqua Regia digestion 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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 2 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | Unit | MDL | 1DX15 Mo | 1DX15 Cu | 1DX15 Pb | 1DX15 Zn | 1DX15 Ag | 1DX15 Ni | 1DX15 Co | 1DX15 Mn | 1DX15 Fe | 1DX15 As | 1DX15 Au | 1DX15 Th | 1DX15 Sr | 1DX15 Cd | 1DX15 Sb | 1DX15 Bi | 1DX15 V | 1DX15 Ca | 1DX15 P | 1DX15 La |
|---------|-----------|------|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|---------|----------|
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | | | | 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 | 1 |
| JT 591 | Soil | | | 0.4 | 38.2 | 5.1 | 67 | <0.1 | 20.3 | 11.8 | 559 | 2.72 | 1.2 | 0.8 | 1.9 | 267 | <0.1 | 0.2 | 0.2 | 65 | 0.75 | 0.031 | 18 |
| JT 592 | Soil | | | 0.6 | 26.9 | 5.3 | 88 | <0.1 | 19.0 | 9.8 | 843 | 2.31 | 1.7 | 1.6 | 1.5 | 152 | 0.1 | 0.2 | 0.2 | 53 | 0.83 | 0.050 | 11 |
| JT 593 | Soil | | | 0.5 | 38.7 | 4.5 | 59 | <0.1 | 25.3 | 10.1 | 422 | 3.14 | 1.6 | <0.5 | 1.9 | 127 | <0.1 | 0.2 | <0.1 | 71 | 0.96 | 0.037 | 14 |
| JT 594 | Soil | | | 0.3 | 24.7 | 4.8 | 83 | <0.1 | 17.2 | 9.3 | 882 | 2.30 | 1.2 | 1.2 | 1.5 | 127 | <0.1 | 0.1 | <0.1 | 61 | 0.76 | 0.028 | 9 |
| JT 595 | Soil | | | 0.3 | 30.9 | 4.2 | 64 | <0.1 | 20.4 | 9.2 | 446 | 2.72 | 0.6 | <0.5 | 1.6 | 102 | 0.1 | 0.1 | <0.1 | 67 | 0.74 | 0.031 | 11 |
| JT 596 | Soil | | | 0.3 | 52.4 | 5.3 | 57 | <0.1 | 34.5 | 17.8 | 614 | 3.36 | 0.7 | <0.5 | 1.4 | 94 | <0.1 | <0.1 | 0.2 | 64 | 0.72 | 0.037 | 8 |
| JT 597 | Soil | | | 0.5 | 28.6 | 4.0 | 80 | <0.1 | 19.4 | 10.1 | 543 | 2.51 | <0.5 | 0.6 | 1.5 | 63 | 0.1 | 0.1 | 0.1 | 65 | 0.51 | 0.018 | 10 |
| JT 598 | Soil | | | 0.5 | 19.5 | 4.1 | 79 | <0.1 | 15.4 | 7.3 | 578 | 2.01 | 0.6 | 6.5 | 1.2 | 80 | <0.1 | 0.1 | <0.1 | 53 | 0.47 | 0.021 | 5 |
| JT 599 | Soil | | | 0.3 | 32.9 | 4.5 | 66 | <0.1 | 30.4 | 13.0 | 462 | 2.81 | 1.2 | 0.8 | 1.4 | 104 | <0.1 | 0.1 | <0.1 | 61 | 0.64 | 0.029 | 11 |
| JT 600 | Soil | | | 0.4 | 32.9 | 4.2 | 97 | <0.1 | 28.4 | 12.8 | 916 | 2.80 | 1.2 | 0.5 | 1.3 | 122 | <0.1 | 0.1 | <0.1 | 63 | 0.69 | 0.038 | 9 |
| GPSTD-2 | Rock Pulp | | | 7.0 | 45.6 | 5.3 | 54 | 0.5 | 31.7 | 13.2 | 493 | 2.97 | 6.7 | 730.1 | 1.4 | 49 | 0.3 | 1.1 | 0.1 | 64 | 0.85 | 0.055 | 7 |
| JT 601 | Soil | | | 0.4 | 47.1 | 4.3 | 60 | <0.1 | 46.4 | 15.1 | 417 | 4.01 | 1.4 | 1.7 | 2.0 | 124 | 0.1 | 0.2 | <0.1 | 98 | 0.76 | 0.055 | 20 |
| JT 602 | Soil | | | 0.4 | 36.0 | 4.7 | 54 | <0.1 | 29.8 | 13.0 | 525 | 2.85 | 1.2 | <0.5 | 1.6 | 86 | <0.1 | 0.1 | <0.1 | 72 | 0.67 | 0.025 | 11 |
| JT 603 | Soil | | | 0.6 | 23.2 | 5.5 | 56 | <0.1 | 17.4 | 9.4 | 349 | 2.19 | 1.9 | 0.7 | 1.6 | 116 | <0.1 | 0.3 | <0.1 | 61 | 0.56 | 0.034 | 9 |
| JT 604 | Soil | | | 0.4 | 24.6 | 44.1 | 50 | <0.1 | 14.4 | 8.4 | 362 | 2.20 | 2.7 | <0.5 | 2.6 | 181 | <0.1 | 0.4 | 1.0 | 46 | 0.93 | 0.029 | 25 |
| JT 605 | Soil | | | 0.5 | 24.1 | 4.8 | 80 | <0.1 | 15.6 | 7.7 | 655 | 2.02 | 1.2 | <0.5 | 1.2 | 108 | <0.1 | 0.1 | 0.1 | 49 | 0.61 | 0.044 | 5 |
| JT 606 | Soil | | | 0.5 | 35.1 | 4.4 | 192 | <0.1 | 27.4 | 9.4 | 640 | 2.33 | 1.9 | <0.5 | 1.3 | 61 | 0.1 | 0.1 | <0.1 | 55 | 0.49 | 0.074 | 6 |
| JT 607 | Soil | | | 0.3 | 31.6 | 4.9 | 76 | <0.1 | 25.1 | 11.8 | 387 | 2.64 | 1.1 | <0.5 | 1.9 | 82 | <0.1 | 0.1 | <0.1 | 62 | 0.50 | 0.026 | 12 |
| JT 608 | Soil | | | 0.4 | 26.0 | 3.8 | 90 | <0.1 | 21.1 | 8.9 | 634 | 2.37 | 1.2 | <0.5 | 1.4 | 72 | 0.1 | 0.1 | <0.1 | 52 | 0.65 | 0.036 | 9 |
| JT 609 | Soil | | | 0.3 | 40.0 | 5.2 | 59 | 0.1 | 28.6 | 11.6 | 312 | 2.95 | 5.0 | 2.6 | 2.2 | 113 | <0.1 | 0.6 | <0.1 | 69 | 0.80 | 0.032 | 22 |
| JT 610 | Soil | | | 0.5 | 29.2 | 6.3 | 58 | <0.1 | 19.5 | 9.0 | 546 | 2.16 | 2.2 | 1.1 | 2.1 | 85 | 0.1 | 0.3 | <0.1 | 55 | 0.58 | 0.020 | 14 |
| JT 611 | Soil | | | 0.4 | 37.0 | 6.1 | 54 | <0.1 | 19.0 | 10.6 | 521 | 2.75 | 3.3 | <0.5 | 2.4 | 171 | <0.1 | 0.4 | <0.1 | 63 | 0.65 | 0.027 | 17 |
| JT 612 | Soil | | | 0.5 | 34.8 | 5.5 | 61 | <0.1 | 21.4 | 9.4 | 430 | 2.61 | 3.9 | <0.5 | 2.2 | 110 | 0.1 | 0.3 | <0.1 | 66 | 0.69 | 0.026 | 15 |
| JT 613 | Soil | | | 0.3 | 20.4 | 4.8 | 62 | <0.1 | 17.3 | 7.0 | 218 | 2.03 | 2.0 | <0.5 | 1.0 | 64 | <0.1 | 0.1 | <0.1 | 46 | 0.49 | 0.032 | 5 |
| JT 614 | Soil | | | 0.1 | 20.9 | 5.9 | 46 | <0.1 | 8.1 | 4.7 | 290 | 1.69 | 1.9 | <0.5 | 3.3 | 103 | <0.1 | 0.1 | <0.1 | 33 | 0.48 | 0.024 | 24 |
| JT 615 | Soil | | | 0.3 | 26.1 | 6.1 | 71 | <0.1 | 14.0 | 8.5 | 769 | 1.79 | 2.1 | <0.5 | 2.6 | 157 | 0.2 | 0.1 | <0.1 | 40 | 0.70 | 0.024 | 22 |
| JT 616 | Soil | | | 0.3 | 19.1 | 5.4 | 48 | <0.1 | 10.6 | 5.8 | 299 | 1.77 | 1.5 | <0.5 | 2.0 | 111 | <0.1 | 0.1 | <0.1 | 41 | 0.56 | 0.018 | 15 |
| JT 617 | Soil | | | 0.3 | 34.7 | 5.6 | 147 | <0.1 | 20.1 | 11.3 | 799 | 2.70 | 2.1 | <0.5 | 1.7 | 128 | 0.1 | 0.1 | <0.1 | 57 | 1.08 | 0.054 | 13 |
| JT 618 | Soil | | | 0.3 | 38.2 | 6.0 | 93 | <0.1 | 21.3 | 11.2 | 578 | 2.85 | 2.6 | 0.8 | 1.8 | 142 | 0.1 | 0.2 | <0.1 | 64 | 0.71 | 0.039 | 13 |
| JT 619 | Soil | | | 0.4 | 32.1 | 6.6 | 145 | <0.1 | 22.2 | 11.3 | 814 | 2.86 | 1.8 | <0.5 | 1.6 | 113 | 0.1 | 0.1 | <0.1 | 58 | 0.77 | 0.035 | 11 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 2 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 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 |
| JT 591 | Soil | 25 | 0.51 | 338 | 0.074 | 4 | 2.62 | 0.039 | 0.29 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 592 | Soil | 23 | 0.49 | 214 | 0.114 | 9 | 2.29 | 0.030 | 0.31 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 593 | Soil | 33 | 0.57 | 138 | 0.105 | 6 | 3.02 | 0.045 | 0.16 | <0.1 | 0.02 | 9.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 594 | Soil | 22 | 0.43 | 127 | 0.126 | 6 | 2.01 | 0.047 | 0.26 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 595 | Soil | 21 | 0.58 | 99 | 0.183 | 3 | 2.04 | 0.056 | 0.19 | <0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 596 | Soil | 22 | 1.57 | 79 | 0.141 | 2 | 2.22 | 0.065 | 0.24 | <0.1 | 0.02 | 9.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 597 | Soil | 20 | 0.59 | 72 | 0.176 | 3 | 1.82 | 0.042 | 0.19 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 598 | Soil | 22 | 0.45 | 112 | 0.143 | 4 | 1.69 | 0.035 | 0.18 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 599 | Soil | 31 | 0.82 | 139 | 0.127 | 4 | 2.88 | 0.046 | 0.23 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 600 | Soil | 36 | 0.74 | 165 | 0.126 | 4 | 2.73 | 0.043 | 0.24 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| GPSTD-2 | Rock Pulp | 36 | 0.77 | 147 | 0.139 | 5 | 1.54 | 0.137 | 0.15 | 25.8 | 0.07 | 5.4 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| JT 601 | Soil | 50 | 1.14 | 112 | 0.177 | 3 | 3.33 | 0.045 | 0.24 | <0.1 | 0.02 | 12.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 602 | Soil | 34 | 0.75 | 138 | 0.150 | 3 | 2.69 | 0.050 | 0.11 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| JT 603 | Soil | 27 | 0.50 | 192 | 0.116 | 2 | 1.88 | 0.033 | 0.22 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 604 | Soil | 17 | 0.46 | 244 | 0.023 | 4 | 2.35 | 0.024 | 0.25 | <0.1 | 0.10 | 5.6 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 605 | Soil | 23 | 0.41 | 187 | 0.111 | 3 | 1.81 | 0.031 | 0.19 | <0.1 | 0.03 | 4.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 606 | Soil | 28 | 0.56 | 159 | 0.115 | 6 | 2.38 | 0.030 | 0.16 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 607 | Soil | 30 | 0.62 | 128 | 0.099 | 4 | 2.34 | 0.069 | 0.17 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 608 | Soil | 26 | 0.49 | 109 | 0.108 | 2 | 2.16 | 0.029 | 0.16 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 609 | Soil | 32 | 0.62 | 117 | 0.066 | 5 | 2.27 | 0.030 | 0.17 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 610 | Soil | 23 | 0.51 | 118 | 0.119 | 4 | 1.90 | 0.024 | 0.32 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 611 | Soil | 20 | 0.56 | 192 | 0.161 | 4 | 2.47 | 0.034 | 0.30 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 612 | Soil | 29 | 0.51 | 158 | 0.140 | 5 | 2.15 | 0.031 | 0.33 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 613 | Soil | 20 | 0.46 | 111 | 0.107 | 6 | 2.25 | 0.025 | 0.22 | <0.1 | 0.02 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 614 | Soil | 10 | 0.33 | 70 | 0.017 | 12 | 1.45 | 0.014 | 0.40 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 615 | Soil | 14 | 0.41 | 162 | 0.057 | 9 | 1.54 | 0.021 | 0.28 | <0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 616 | Soil | 15 | 0.32 | 100 | 0.077 | 6 | 1.28 | 0.022 | 0.27 | <0.1 | 0.02 | 3.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 617 | Soil | 24 | 0.57 | 169 | 0.105 | 15 | 2.52 | 0.028 | 0.48 | <0.1 | 0.02 | 7.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 618 | Soil | 25 | 0.55 | 253 | 0.134 | 9 | 2.28 | 0.028 | 0.39 | <0.1 | 0.02 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 619 | Soil | 26 | 0.55 | 184 | 0.114 | 10 | 2.71 | 0.026 | 0.35 | <0.1 | 0.03 | 7.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 3 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 620 | Soil | 0.3 | 33.8 | 6.7 | 156 | <0.1 | 22.4 | 12.6 | 995 | 2.77 | 1.7 | 1.8 | 1.7 | 123 | 0.2 | 0.2 | <0.1 | 59 | 0.79 | 0.036 | 12 |
| JT 621 | Soil | 0.4 | 38.7 | 8.0 | 87 | <0.1 | 24.3 | 11.6 | 681 | 2.98 | 2.1 | 2.3 | 2.1 | 168 | 0.1 | 0.3 | <0.1 | 60 | 0.91 | 0.034 | 13 |
| JT 622 | Soil | 0.7 | 23.1 | 5.2 | 85 | <0.1 | 20.5 | 10.0 | 704 | 2.39 | 2.6 | <0.5 | 1.4 | 76 | <0.1 | 0.2 | <0.1 | 58 | 0.66 | 0.037 | 7 |
| JT 623 | Soil | 0.3 | 12.8 | 7.8 | 77 | <0.1 | 6.9 | 4.6 | 588 | 1.81 | 1.6 | <0.5 | 1.6 | 85 | 0.2 | 0.7 | 0.2 | 35 | 0.78 | 0.036 | 30 |
| JT 624 | Soil | 0.3 | 13.5 | 7.1 | 96 | <0.1 | 9.4 | 4.9 | 808 | 1.75 | 1.2 | <0.5 | 1.4 | 74 | 0.2 | 0.4 | 0.1 | 42 | 0.51 | 0.024 | 13 |
| JT 625 | Soil | 0.4 | 26.5 | 15.3 | 63 | 0.4 | 14.5 | 7.5 | 1557 | 2.33 | 5.6 | 34.7 | 2.3 | 104 | 0.2 | 1.5 | <0.1 | 53 | 1.01 | 0.037 | 42 |
| JT 626 | Soil | 0.5 | 44.0 | 9.6 | 146 | 0.2 | 24.6 | 10.2 | 1896 | 2.54 | 4.9 | 6.2 | 1.9 | 92 | 0.3 | 0.5 | 0.2 | 64 | 0.94 | 0.083 | 18 |
| JT 627 | Soil | 0.5 | 34.5 | 5.6 | 74 | 0.1 | 23.1 | 8.9 | 548 | 2.58 | 2.0 | 12.2 | 2.1 | 110 | 0.1 | 0.3 | 0.1 | 63 | 0.69 | 0.031 | 14 |
| JT 628 | Soil | 0.4 | 16.6 | 5.8 | 55 | <0.1 | 12.8 | 8.2 | 405 | 2.32 | 0.8 | 1.2 | 1.7 | 43 | <0.1 | 0.2 | <0.1 | 47 | 0.36 | 0.016 | 15 |
| JT 629 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 630 | Soil | 0.5 | 48.2 | 5.0 | 63 | <0.1 | 27.6 | 13.8 | 580 | 3.08 | 1.4 | 1.4 | 1.9 | 312 | 0.1 | 0.1 | <0.1 | 70 | 0.92 | 0.048 | 25 |
| JT 631 | Soil | 0.3 | 44.8 | 4.9 | 69 | <0.1 | 23.0 | 12.6 | 666 | 2.77 | 1.8 | <0.5 | 1.8 | 254 | 0.1 | 0.1 | <0.1 | 65 | 0.86 | 0.041 | 17 |
| JT 632 | Soil | 0.3 | 50.3 | 5.2 | 69 | <0.1 | 29.9 | 14.4 | 765 | 3.02 | 2.0 | <0.5 | 2.1 | 289 | 0.1 | 0.1 | <0.1 | 65 | 1.03 | 0.051 | 21 |
| JT 633 | Soil | 0.5 | 32.5 | 4.3 | 63 | <0.1 | 20.1 | 9.6 | 482 | 2.39 | 1.2 | <0.5 | 1.6 | 101 | <0.1 | 0.1 | <0.1 | 55 | 0.69 | 0.028 | 11 |
| JT 634 | Soil | 0.4 | 52.2 | 4.8 | 70 | <0.1 | 26.8 | 11.9 | 512 | 3.29 | 2.3 | 1.3 | 2.1 | 148 | 0.1 | 0.2 | <0.1 | 68 | 1.01 | 0.047 | 14 |
| JT 635 | Soil | 0.5 | 40.0 | 4.8 | 110 | <0.1 | 25.6 | 13.9 | 1279 | 3.29 | 3.0 | 0.7 | 1.7 | 125 | 0.2 | 0.1 | <0.1 | 69 | 0.92 | 0.046 | 13 |
| JT 636 | Soil | 0.3 | 38.3 | 4.2 | 66 | <0.1 | 27.0 | 11.4 | 421 | 3.41 | 0.9 | <0.5 | 1.9 | 96 | 0.1 | <0.1 | <0.1 | 77 | 0.78 | 0.032 | 15 |
| JT 637 | Soil | 0.3 | 44.8 | 5.0 | 67 | <0.1 | 30.1 | 14.5 | 551 | 3.51 | 1.2 | <0.5 | 1.9 | 78 | 0.1 | <0.1 | <0.1 | 72 | 0.73 | 0.032 | 10 |
| JT 638 | Soil | 0.3 | 38.0 | 5.4 | 60 | <0.1 | 33.0 | 17.2 | 475 | 3.45 | 0.9 | 0.5 | 2.0 | 100 | 0.2 | <0.1 | <0.1 | 68 | 0.65 | 0.033 | 17 |
| JT 639 | Soil | 0.3 | 40.2 | 4.5 | 79 | <0.1 | 25.7 | 14.0 | 776 | 3.10 | 0.5 | 1.3 | 2.0 | 103 | <0.1 | <0.1 | <0.1 | 66 | 0.83 | 0.040 | 16 |
| JT 640 | Soil | 0.4 | 33.8 | 5.0 | 70 | <0.1 | 22.1 | 11.7 | 462 | 2.67 | 1.1 | 0.8 | 1.9 | 105 | 0.1 | 0.1 | <0.1 | 65 | 0.67 | 0.029 | 12 |
| JT 641 | Soil | 0.5 | 31.7 | 5.0 | 68 | <0.1 | 21.9 | 12.0 | 563 | 2.88 | 1.4 | 5.1 | 1.8 | 95 | 0.1 | 0.1 | <0.1 | 69 | 0.65 | 0.036 | 9 |
| JT 642 | Soil | 0.3 | 47.8 | 4.0 | 56 | <0.1 | 31.0 | 15.6 | 474 | 3.76 | 0.6 | <0.5 | 2.4 | 87 | 0.1 | <0.1 | <0.1 | 95 | 0.83 | 0.036 | 19 |
| JT 643 | Soil | 0.4 | 32.2 | 4.9 | 49 | <0.1 | 14.9 | 9.4 | 334 | 2.00 | 1.4 | <0.5 | 0.9 | 69 | <0.1 | <0.1 | <0.1 | 57 | 0.43 | 0.040 | 7 |
| JT 644 | Soil | 0.3 | 22.7 | 5.2 | 49 | <0.1 | 11.6 | 6.4 | 255 | 2.02 | 1.4 | <0.5 | 1.7 | 216 | <0.1 | 0.1 | <0.1 | 43 | 0.85 | 0.028 | 11 |
| JT 645 | Soil | 0.6 | 21.7 | 5.1 | 74 | <0.1 | 18.9 | 8.7 | 510 | 2.26 | 1.6 | <0.5 | 1.4 | 98 | <0.1 | 0.2 | <0.1 | 58 | 0.63 | 0.025 | 9 |
| JT 646 | Soil | 0.4 | 29.6 | 5.6 | 59 | <0.1 | 18.6 | 8.2 | 275 | 2.43 | 2.7 | <0.5 | 2.0 | 145 | <0.1 | 0.2 | <0.1 | 57 | 0.70 | 0.027 | 16 |
| JT 647 | Soil | 0.6 | 23.2 | 5.5 | 93 | <0.1 | 14.2 | 6.2 | 650 | 1.82 | 1.4 | 1.2 | 1.5 | 121 | 0.1 | 0.2 | <0.1 | 49 | 0.60 | 0.038 | 11 |
| JT 648 | Soil | 0.7 | 24.8 | 4.8 | 117 | <0.1 | 14.6 | 8.1 | 1147 | 1.87 | 1.7 | <0.5 | 1.0 | 78 | 0.2 | 0.1 | <0.1 | 46 | 0.47 | 0.156 | 5 |
| JT 649 | Soil | 0.5 | 22.6 | 6.0 | 95 | <0.1 | 21.6 | 7.9 | 718 | 2.42 | 1.9 | <0.5 | 1.8 | 69 | <0.1 | 0.2 | <0.1 | 48 | 0.69 | 0.043 | 10 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 3 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 620 | Soil | 24 | 0.54 | 148 | 0.120 | 12 | 2.77 | 0.028 | 0.44 | <0.1 | 0.03 | 8.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 621 | Soil | 29 | 0.63 | 160 | 0.153 | 8 | 2.80 | 0.034 | 0.29 | <0.1 | 0.03 | 9.2 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 622 | Soil | 27 | 0.51 | 138 | 0.138 | 8 | 2.09 | 0.024 | 0.32 | <0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 623 | Soil | 10 | 0.29 | 100 | 0.066 | 7 | 1.40 | 0.029 | 0.18 | 0.1 | 0.03 | 3.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 624 | Soil | 15 | 0.33 | 143 | 0.098 | 6 | 1.31 | 0.028 | 0.26 | <0.1 | 0.04 | 3.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 625 | Soil | 19 | 0.53 | 145 | 0.055 | 4 | 2.62 | 0.022 | 0.17 | <0.1 | 0.05 | 5.8 | <0.1 | <0.05 | 12 | <0.5 | <0.2 |
| JT 626 | Soil | 25 | 0.55 | 179 | 0.100 | 7 | 2.99 | 0.028 | 0.34 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 627 | Soil | 31 | 0.58 | 156 | 0.143 | 5 | 2.35 | 0.029 | 0.40 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 628 | Soil | 13 | 0.50 | 74 | 0.065 | 3 | 1.26 | 0.034 | 0.17 | <0.1 | 0.01 | 3.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 629 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 630 | Soil | 29 | 0.73 | 298 | 0.058 | 3 | 3.11 | 0.035 | 0.39 | <0.1 | 0.03 | 8.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 631 | Soil | 25 | 0.60 | 294 | 0.068 | 3 | 3.08 | 0.041 | 0.29 | <0.1 | 0.04 | 7.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 632 | Soil | 28 | 0.63 | 309 | 0.053 | 5 | 3.36 | 0.029 | 0.50 | <0.1 | 0.04 | 9.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 633 | Soil | 28 | 0.48 | 131 | 0.123 | 4 | 2.17 | 0.039 | 0.18 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 634 | Soil | 32 | 0.62 | 139 | 0.124 | 7 | 2.93 | 0.038 | 0.30 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 635 | Soil | 29 | 0.56 | 155 | 0.138 | 5 | 2.72 | 0.043 | 0.23 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 636 | Soil | 29 | 0.71 | 100 | 0.195 | 3 | 2.50 | 0.055 | 0.19 | <0.1 | 0.01 | 10.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 637 | Soil | 21 | 1.13 | 66 | 0.179 | 2 | 2.13 | 0.053 | 0.26 | <0.1 | 0.01 | 10.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 638 | Soil | 37 | 0.81 | 144 | 0.211 | 4 | 2.83 | 0.042 | 0.23 | <0.1 | 0.03 | 9.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 639 | Soil | 28 | 0.74 | 98 | 0.204 | 4 | 2.30 | 0.066 | 0.25 | <0.1 | 0.01 | 9.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 640 | Soil | 28 | 0.66 | 127 | 0.197 | 3 | 2.35 | 0.057 | 0.19 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 641 | Soil | 30 | 0.62 | 137 | 0.179 | 3 | 2.51 | 0.039 | 0.13 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 642 | Soil | 28 | 1.13 | 60 | 0.233 | 1 | 2.12 | 0.069 | 0.06 | <0.1 | 0.01 | 12.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 643 | Soil | 18 | 0.60 | 98 | 0.154 | 1 | 1.61 | 0.078 | 0.06 | <0.1 | <0.01 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 644 | Soil | 16 | 0.42 | 372 | 0.052 | 3 | 2.24 | 0.063 | 0.14 | <0.1 | 0.03 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 645 | Soil | 26 | 0.45 | 167 | 0.125 | 3 | 2.14 | 0.038 | 0.12 | <0.1 | 0.03 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 646 | Soil | 27 | 0.46 | 176 | 0.129 | 3 | 2.18 | 0.035 | 0.18 | <0.1 | 0.05 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 647 | Soil | 20 | 0.38 | 236 | 0.107 | 4 | 1.69 | 0.024 | 0.28 | <0.1 | 0.03 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 648 | Soil | 22 | 0.35 | 230 | 0.114 | 2 | 1.69 | 0.029 | 0.26 | <0.1 | 0.02 | 3.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 649 | Soil | 29 | 0.43 | 168 | 0.102 | 3 | 2.47 | 0.027 | 0.13 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 4 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | % | ppm |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | 1 |
| JT 650 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| GPSTD-3 | Rock Pulp | 32.6 | 7397 | 5043 | >10000 | 69.8 | 38.2 | 50.3 | 479 | 4.80 | 54.2 | 559.8 | 4.6 | 39 | 68.0 | 75.2 | 11.9 | 59 | 0.76 | 0.046 | 11 |
| JT 651 | Soil | 0.3 | 8.6 | 7.8 | 42 | 0.1 | 3.2 | 1.8 | 269 | 1.39 | 1.5 | 0.7 | 2.9 | 372 | <0.1 | <0.1 | <0.1 | 20 | 1.19 | 0.042 | 29 |
| JT 652 | Soil | 0.4 | 13.6 | 5.5 | 53 | <0.1 | 6.6 | 3.5 | 387 | 1.49 | 2.1 | 0.9 | 1.5 | 122 | <0.1 | 0.1 | <0.1 | 31 | 0.80 | 0.042 | 18 |
| JT 653 | Soil | 0.4 | 20.8 | 6.0 | 54 | 0.2 | 12.7 | 6.9 | 269 | 2.05 | 3.7 | 5.5 | 1.6 | 61 | <0.1 | 0.4 | 0.4 | 54 | 0.37 | 0.018 | 9 |
| JT 654 | Soil | 0.5 | 24.4 | 5.1 | 70 | <0.1 | 16.7 | 8.5 | 568 | 2.29 | 2.8 | 1.6 | 1.6 | 64 | 0.1 | 0.3 | 0.2 | 55 | 0.46 | 0.023 | 8 |
| JT 655 | Soil | 0.4 | 28.5 | 4.9 | 78 | 0.2 | 17.3 | 7.8 | 505 | 2.06 | 3.2 | 2.5 | 1.4 | 74 | 0.2 | 0.3 | <0.1 | 53 | 0.76 | 0.046 | 9 |
| JT 656 | Soil | 0.4 | 28.2 | 4.3 | 65 | <0.1 | 24.1 | 11.1 | 269 | 3.03 | 2.5 | 1.2 | 1.6 | 96 | <0.1 | 0.1 | <0.1 | 75 | 0.53 | 0.039 | 9 |
| JT 657 | Soil | 0.4 | 29.4 | 3.9 | 79 | <0.1 | 26.1 | 9.5 | 364 | 3.15 | 1.2 | 1.1 | 1.5 | 72 | <0.1 | <0.1 | <0.1 | 67 | 0.61 | 0.044 | 10 |
| JT 658 | Soil | 0.4 | 41.3 | 4.4 | 72 | <0.1 | 35.2 | 16.0 | 659 | 3.93 | 1.1 | 0.5 | 2.1 | 76 | <0.1 | <0.1 | <0.1 | 77 | 0.67 | 0.046 | 17 |
| JT 659 | Soil | 0.4 | 40.1 | 4.6 | 70 | <0.1 | 36.0 | 15.9 | 495 | 3.97 | 1.7 | 1.1 | 2.3 | 90 | 0.1 | 0.1 | <0.1 | 83 | 0.71 | 0.065 | 15 |
| JT 660 | Soil | 0.4 | 42.8 | 4.9 | 82 | 0.1 | 31.0 | 13.3 | 682 | 3.02 | 1.9 | 0.6 | 2.2 | 104 | 0.1 | <0.1 | 0.2 | 69 | 0.98 | 0.052 | 17 |
| JT 661 | Soil | 0.2 | 40.8 | 4.1 | 67 | 0.1 | 30.5 | 13.6 | 354 | 3.58 | 2.3 | 0.9 | 1.9 | 524 | 0.1 | 0.2 | <0.1 | 81 | 1.18 | 0.051 | 22 |
| JT 662 | Soil | 0.4 | 34.8 | 4.5 | 88 | <0.1 | 21.1 | 8.5 | 258 | 2.40 | 2.2 | 0.9 | 1.6 | 136 | <0.1 | 0.1 | <0.1 | 57 | 0.54 | 0.032 | 6 |
| JT 663 | Soil | 0.5 | 28.2 | 4.2 | 88 | <0.1 | 21.1 | 9.0 | 610 | 2.52 | 1.6 | 2.8 | 1.4 | 151 | <0.1 | 0.4 | 0.2 | 70 | 0.57 | 0.027 | 10 |
| JT 664 | Soil | 0.6 | 24.2 | 5.7 | 71 | 0.1 | 19.7 | 10.2 | 567 | 2.39 | 2.3 | 1.5 | 1.4 | 110 | 0.1 | 0.2 | 0.2 | 65 | 0.64 | 0.029 | 9 |
| JT 665 | Soil | 0.4 | 29.1 | 5.8 | 88 | <0.1 | 26.6 | 11.1 | 666 | 3.21 | 1.8 | 1.5 | 2.6 | 179 | 0.1 | 0.3 | 0.1 | 69 | 0.77 | 0.040 | 21 |
| JT 666 | Soil | 0.6 | 19.9 | 4.7 | 104 | <0.1 | 17.5 | 8.0 | 1247 | 2.01 | 2.1 | <0.5 | 1.5 | 99 | 0.3 | 0.2 | 0.1 | 47 | 0.76 | 0.053 | 9 |
| JT 667 | Soil | 0.6 | 27.2 | 6.2 | 87 | 0.1 | 20.3 | 8.5 | 1060 | 2.40 | 3.4 | 7.7 | 2.2 | 87 | 0.1 | 0.6 | <0.1 | 61 | 0.63 | 0.037 | 20 |
| JT 668 | Soil | 0.6 | 30.2 | 6.3 | 114 | 0.3 | 19.1 | 7.8 | 960 | 2.38 | 3.3 | 5.9 | 2.5 | 83 | 0.2 | 0.5 | <0.1 | 55 | 0.74 | 0.046 | 25 |
| JT 669 | Soil | 0.5 | 28.6 | 5.3 | 97 | 0.1 | 18.8 | 8.3 | 638 | 2.37 | 2.8 | 0.8 | 2.0 | 82 | 0.2 | 0.4 | <0.1 | 57 | 0.70 | 0.036 | 17 |
| JT 670 | Soil | 0.6 | 21.6 | 5.1 | 93 | <0.1 | 18.5 | 7.8 | 814 | 2.38 | 2.4 | 7.9 | 1.7 | 73 | 0.1 | 0.2 | <0.1 | 62 | 0.57 | 0.034 | 12 |
| JT 671 | Soil | 0.4 | 19.7 | 5.8 | 77 | <0.1 | 17.8 | 7.8 | 383 | 2.40 | 1.8 | <0.5 | 1.5 | 74 | <0.1 | 0.2 | <0.1 | 59 | 0.58 | 0.029 | 11 |
| JT 672 | Soil | 0.4 | 27.6 | 7.3 | 107 | <0.1 | 17.7 | 7.7 | 1124 | 2.34 | 2.8 | 6.6 | 1.8 | 105 | 0.2 | 0.2 | <0.1 | 57 | 0.79 | 0.046 | 15 |
| JT 673 | Soil | 0.4 | 19.0 | 6.5 | 94 | <0.1 | 11.5 | 5.5 | 693 | 1.96 | 1.6 | <0.5 | 2.2 | 84 | 0.2 | 0.2 | <0.1 | 43 | 0.80 | 0.045 | 18 |
| JT 674 | Soil | 0.4 | 24.7 | 5.1 | 53 | <0.1 | 17.4 | 9.8 | 395 | 2.81 | 2.6 | <0.5 | 1.8 | 179 | <0.1 | 0.5 | 0.4 | 76 | 0.72 | 0.031 | 12 |
| JT 675 | Soil | 2.7 | 54.7 | 2.4 | 60 | <0.1 | 17.0 | 6.3 | 240 | 0.84 | 27.2 | 2.6 | 0.5 | 142 | 0.4 | 1.2 | 0.5 | 102 | 7.97 | 0.179 | 4 |
| JT 676 | Soil | 0.2 | 54.0 | 4.9 | 52 | <0.1 | 16.3 | 7.7 | 196 | 1.15 | 7.1 | 3.9 | 1.5 | 114 | 0.1 | 0.5 | 0.1 | 54 | 2.46 | 0.105 | 9 |
| JT 677 | Soil | 0.2 | 16.2 | 7.1 | 41 | <0.1 | 9.8 | 5.5 | 371 | 1.39 | 2.7 | <0.5 | 2.1 | 297 | <0.1 | 0.1 | 0.1 | 38 | 1.07 | 0.020 | 11 |
| JT 678 | Soil | 0.5 | 35.2 | 6.7 | 85 | <0.1 | 21.1 | 9.9 | 870 | 2.42 | 2.9 | <0.5 | 1.9 | 118 | 0.2 | 0.3 | <0.1 | 64 | 0.93 | 0.034 | 12 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 4 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 650 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| GPSTD-3 | Rock Pulp | 34 | 1.05 | 66 | 0.131 | 4 | 1.65 | 0.085 | 0.22 | 31.4 | 1.84 | 4.4 | 1.8 | 2.73 | 8 | 4.0 | <0.2 |
| JT 651 | Soil | 3 | 0.30 | 1056 | 0.006 | 2 | 1.79 | 0.057 | 0.13 | <0.1 | 0.11 | 1.9 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| JT 652 | Soil | 9 | 0.30 | 212 | 0.011 | 2 | 1.51 | 0.019 | 0.18 | <0.1 | 0.12 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 653 | Soil | 17 | 0.38 | 96 | 0.101 | 2 | 1.39 | 0.024 | 0.17 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 654 | Soil | 22 | 0.44 | 100 | 0.122 | 2 | 1.83 | 0.023 | 0.16 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 655 | Soil | 20 | 0.43 | 107 | 0.110 | 7 | 1.80 | 0.022 | 0.26 | <0.1 | 0.03 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 656 | Soil | 34 | 0.82 | 101 | 0.169 | 3 | 2.16 | 0.036 | 0.19 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 657 | Soil | 34 | 0.77 | 101 | 0.176 | 5 | 2.42 | 0.034 | 0.10 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 658 | Soil | 44 | 1.15 | 101 | 0.170 | 5 | 2.71 | 0.033 | 0.13 | <0.1 | 0.02 | 10.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 659 | Soil | 43 | 1.22 | 113 | 0.197 | 5 | 2.80 | 0.030 | 0.12 | <0.1 | 0.02 | 10.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 660 | Soil | 29 | 0.73 | 173 | 0.087 | 10 | 3.04 | 0.028 | 0.11 | <0.1 | 0.02 | 9.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 661 | Soil | 32 | 1.15 | 323 | 0.139 | 2 | 3.82 | 0.044 | 0.31 | <0.1 | 0.03 | 10.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 662 | Soil | 27 | 0.62 | 223 | 0.116 | 7 | 2.26 | 0.059 | 0.15 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 663 | Soil | 29 | 0.60 | 169 | 0.146 | 5 | 2.32 | 0.032 | 0.23 | <0.1 | 0.01 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 664 | Soil | 29 | 0.52 | 153 | 0.126 | 3 | 2.45 | 0.033 | 0.12 | <0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 665 | Soil | 31 | 0.63 | 253 | 0.119 | 4 | 3.04 | 0.030 | 0.14 | <0.1 | <0.01 | 8.5 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 666 | Soil | 19 | 0.47 | 208 | 0.101 | 8 | 1.95 | 0.022 | 0.34 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 667 | Soil | 27 | 0.49 | 160 | 0.134 | 6 | 2.37 | 0.029 | 0.27 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 668 | Soil | 24 | 0.48 | 157 | 0.118 | 7 | 2.82 | 0.032 | 0.20 | <0.1 | 0.04 | 6.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 669 | Soil | 26 | 0.49 | 121 | 0.132 | 4 | 2.58 | 0.034 | 0.19 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 670 | Soil | 28 | 0.49 | 123 | 0.147 | 5 | 2.09 | 0.033 | 0.16 | <0.1 | 0.03 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 671 | Soil | 24 | 0.47 | 109 | 0.152 | 5 | 2.35 | 0.031 | 0.24 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 672 | Soil | 25 | 0.50 | 146 | 0.136 | 9 | 2.37 | 0.029 | 0.32 | <0.1 | 0.04 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 673 | Soil | 16 | 0.38 | 117 | 0.091 | 9 | 1.95 | 0.036 | 0.23 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 674 | Soil | 22 | 0.61 | 180 | 0.193 | 9 | 2.39 | 0.041 | 0.25 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 675 | Soil | 11 | 0.34 | 64 | 0.042 | 83 | 1.20 | 0.113 | 0.04 | <0.1 | 0.02 | 2.9 | <0.1 | 0.41 | 3 | 2.7 | <0.2 |
| JT 676 | Soil | 18 | 0.63 | 98 | 0.119 | 17 | 2.19 | 0.082 | 0.08 | <0.1 | 0.01 | 6.0 | <0.1 | 0.10 | 5 | 0.8 | <0.2 |
| JT 677 | Soil | 13 | 0.45 | 671 | 0.088 | 5 | 3.01 | 0.035 | 0.66 | <0.1 | 0.01 | 3.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 678 | Soil | 27 | 0.50 | 167 | 0.162 | 7 | 2.50 | 0.032 | 0.27 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 5 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 679 | Soil | 0.3 | 31.0 | 5.3 | 85 | <0.1 | 22.8 | 10.0 | 691 | 2.65 | 2.2 | 0.7 | 1.8 | 111 | 0.1 | 0.2 | <0.1 | 71 | 0.79 | 0.026 | 11 |
| JT 680 | Soil | 0.4 | 19.8 | 5.3 | 78 | <0.1 | 17.6 | 8.1 | 495 | 2.16 | 2.1 | <0.5 | 1.3 | 92 | <0.1 | 0.2 | <0.1 | 61 | 0.66 | 0.027 | 7 |
| JT 681 | Soil | 0.2 | 25.5 | 5.9 | 59 | <0.1 | 14.4 | 11.6 | 560 | 2.75 | 1.5 | <0.5 | 1.5 | 141 | <0.1 | 0.4 | <0.1 | 55 | 0.58 | 0.019 | 11 |
| JT 682 | Soil | 0.3 | 33.4 | 5.5 | 62 | <0.1 | 16.4 | 12.3 | 775 | 2.44 | 1.8 | 0.9 | 1.7 | 179 | 0.2 | 0.2 | <0.1 | 69 | 0.69 | 0.018 | 12 |
| JT 683 | Soil | 0.7 | 78.4 | 7.2 | 82 | <0.1 | 26.2 | 24.1 | 1878 | 3.21 | 6.0 | <0.5 | 1.8 | 109 | 0.2 | 0.3 | 0.2 | 92 | 1.39 | 0.044 | 12 |
| JT 684 | Soil | 0.7 | 64.2 | 5.7 | 79 | <0.1 | 26.4 | 14.3 | 788 | 3.06 | 7.3 | 2.2 | 1.8 | 117 | 0.3 | 0.3 | 0.1 | 98 | 1.17 | 0.053 | 10 |
| JT 685 | Soil | 0.8 | 46.5 | 7.6 | 83 | <0.1 | 30.8 | 16.8 | 760 | 3.44 | 4.2 | 1.0 | 1.8 | 128 | 0.2 | 0.3 | 0.1 | 88 | 0.96 | 0.044 | 9 |
| JT 686 | Soil | 0.5 | 57.7 | 4.7 | 63 | 0.1 | 29.1 | 14.2 | 567 | 3.33 | 3.9 | 1.3 | 1.8 | 130 | 0.2 | 0.3 | <0.1 | 92 | 1.12 | 0.034 | 15 |
| JT 687 | Soil | 0.4 | 17.0 | 4.2 | 72 | <0.1 | 12.8 | 6.2 | 508 | 1.86 | 2.0 | <0.5 | 1.4 | 91 | 0.1 | 0.2 | <0.1 | 52 | 0.55 | 0.031 | 11 |
| JT 688 | Soil | 0.4 | 15.3 | 4.8 | 79 | <0.1 | 11.1 | 5.2 | 382 | 1.78 | 1.4 | 1.6 | 1.6 | 76 | 0.1 | 0.2 | <0.1 | 47 | 0.68 | 0.040 | 12 |
| JT 689 | Soil | 0.4 | 25.2 | 8.3 | 138 | <0.1 | 14.5 | 7.1 | 1248 | 2.27 | 1.8 | 0.7 | 1.8 | 110 | 0.2 | 0.2 | <0.1 | 49 | 0.86 | 0.048 | 16 |
| JT 690 | Soil | 0.2 | 17.3 | 8.1 | 71 | <0.1 | 7.2 | 3.6 | 403 | 2.29 | 1.5 | <0.5 | 3.6 | 147 | <0.1 | 0.1 | <0.1 | 34 | 0.76 | 0.032 | 29 |
| JT 691 | Soil | 0.5 | 17.3 | 5.2 | 150 | <0.1 | 10.4 | 5.4 | 615 | 1.91 | 1.4 | 1.0 | 1.8 | 93 | 0.2 | <0.1 | <0.1 | 40 | 0.83 | 0.066 | 16 |
| JT 692 | Soil | 0.3 | 35.6 | 6.2 | 57 | <0.1 | 20.1 | 9.8 | 635 | 2.73 | 1.7 | 0.9 | 2.1 | 120 | 0.1 | 0.5 | <0.1 | 68 | 0.70 | 0.017 | 12 |
| JT 693 | Soil | 0.4 | 28.9 | 8.1 | 66 | <0.1 | 15.9 | 8.1 | 826 | 2.43 | 3.8 | <0.5 | 3.2 | 93 | 0.1 | 0.5 | <0.1 | 62 | 0.74 | 0.045 | 15 |
| JT 694 | Soil | 0.4 | 29.1 | 6.5 | 65 | <0.1 | 18.1 | 7.7 | 416 | 2.30 | 3.0 | 0.9 | 2.6 | 112 | 0.1 | 0.4 | <0.1 | 60 | 0.81 | 0.034 | 15 |
| JT 695 | Soil | 0.5 | 25.0 | 7.5 | 77 | <0.1 | 18.4 | 11.7 | 1142 | 2.42 | 2.5 | <0.5 | 1.9 | 145 | 0.2 | 0.3 | <0.1 | 70 | 0.70 | 0.037 | 12 |
| JT 696 | Soil | 0.5 | 44.3 | 7.0 | 69 | <0.1 | 26.2 | 10.5 | 576 | 2.97 | 3.5 | <0.5 | 2.2 | 114 | 0.1 | 0.3 | <0.1 | 75 | 0.71 | 0.028 | 14 |
| JT 697 | Soil | 0.3 | 53.7 | 4.0 | 52 | <0.1 | 20.4 | 10.0 | 310 | 3.22 | 5.4 | 1.9 | 2.0 | 109 | <0.1 | 0.3 | <0.1 | 64 | 0.81 | 0.048 | 11 |
| JT 698 | Soil | 0.5 | 56.4 | 4.4 | 50 | <0.1 | 28.2 | 11.2 | 315 | 3.19 | 2.5 | 1.4 | 2.1 | 124 | <0.1 | 0.3 | <0.1 | 81 | 0.77 | 0.027 | 16 |
| JT 699 | Soil | 0.5 | 41.8 | 5.4 | 59 | <0.1 | 24.2 | 12.9 | 692 | 2.72 | 1.8 | 1.0 | 1.9 | 102 | 0.1 | 0.2 | 0.3 | 71 | 0.69 | 0.024 | 15 |
| JT 700 | Soil | 0.8 | 76.2 | 6.2 | 72 | <0.1 | 33.8 | 20.2 | 969 | 3.53 | 6.6 | <0.5 | 1.4 | 116 | 0.2 | 0.3 | 0.2 | 88 | 1.40 | 0.102 | 11 |
| GPSTD-4 | Rock Pulp | 6.8 | 46.2 | 5.5 | 54 | 0.5 | 31.7 | 13.7 | 487 | 3.03 | 6.3 | 693.8 | 1.3 | 46 | 0.3 | 1.1 | 0.2 | 60 | 0.80 | 0.054 | 7 |
| JT 701 | Soil | 0.7 | 85.1 | 6.9 | 80 | 0.1 | 25.4 | 15.6 | 808 | 3.37 | 7.6 | <0.5 | 1.3 | 118 | 0.2 | 0.2 | <0.1 | 86 | 1.12 | 0.076 | 12 |
| JT 702 | Soil | 0.6 | 29.1 | 5.3 | 67 | <0.1 | 20.4 | 9.3 | 709 | 2.51 | 2.4 | 1.1 | 1.8 | 92 | 0.1 | 0.3 | <0.1 | 64 | 0.60 | 0.024 | 15 |
| JT 703 | Soil | 0.7 | 17.4 | 5.2 | 51 | <0.1 | 14.9 | 8.1 | 989 | 1.75 | 1.3 | <0.5 | 0.6 | 55 | 0.1 | 0.2 | <0.1 | 44 | 0.58 | 0.044 | 4 |
| JT 704 | Soil | 0.6 | 35.3 | 8.7 | 100 | 0.3 | 19.8 | 10.5 | 1420 | 2.41 | 7.9 | 8.5 | 1.8 | 87 | 0.2 | 0.5 | <0.1 | 59 | 0.77 | 0.050 | 19 |
| JT 705 | Soil | 0.6 | 25.1 | 6.3 | 101 | 0.1 | 18.9 | 8.6 | 1971 | 2.31 | 2.4 | 3.1 | 1.4 | 78 | 0.2 | 0.4 | <0.1 | 57 | 0.58 | 0.041 | 11 |
| JT 706 | Soil | 0.6 | 14.6 | 5.7 | 42 | <0.1 | 10.1 | 6.1 | 299 | 1.82 | 2.6 | 4.0 | 1.4 | 112 | <0.1 | 0.9 | <0.1 | 53 | 0.45 | 0.020 | 11 |
| JT 707 | Soil | 0.3 | 22.8 | 6.0 | 62 | <0.1 | 18.0 | 9.0 | 705 | 2.60 | 1.3 | <0.5 | 1.7 | 188 | 0.2 | 0.2 | <0.1 | 47 | 0.75 | 0.051 | 21 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 5 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 679 | Soil | 29 | 0.56 | 171 | 0.181 | 8 | 2.77 | 0.036 | 0.32 | <0.1 | 0.03 | 7.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 680 | Soil | 24 | 0.42 | 149 | 0.162 | 6 | 2.24 | 0.037 | 0.18 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 681 | Soil | 17 | 0.58 | 140 | 0.222 | 4 | 1.55 | 0.031 | 0.17 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 682 | Soil | 20 | 0.55 | 188 | 0.200 | 4 | 1.89 | 0.031 | 0.28 | <0.1 | 0.03 | 8.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 683 | Soil | 19 | 1.24 | 147 | 0.167 | 5 | 3.89 | 0.040 | 0.36 | <0.1 | 0.05 | 12.0 | 0.1 | <0.05 | 12 | <0.5 | <0.2 |
| JT 684 | Soil | 30 | 0.84 | 147 | 0.190 | 5 | 3.51 | 0.039 | 0.25 | <0.1 | 0.02 | 9.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 685 | Soil | 33 | 0.90 | 161 | 0.200 | 3 | 4.42 | 0.030 | 0.20 | <0.1 | 0.04 | 10.2 | <0.1 | <0.05 | 10 | <0.5 | <0.2 |
| JT 686 | Soil | 32 | 0.98 | 142 | 0.202 | 7 | 3.63 | 0.036 | 0.28 | <0.1 | 0.03 | 10.7 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 687 | Soil | 20 | 0.41 | 119 | 0.125 | 2 | 1.64 | 0.032 | 0.24 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 688 | Soil | 18 | 0.37 | 121 | 0.125 | 7 | 1.74 | 0.029 | 0.28 | <0.1 | 0.02 | 4.0 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| JT 689 | Soil | 19 | 0.42 | 172 | 0.122 | 6 | 2.22 | 0.030 | 0.36 | <0.1 | 0.04 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 690 | Soil | 11 | 0.41 | 267 | 0.028 | 3 | 2.49 | 0.064 | 0.23 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 691 | Soil | 15 | 0.37 | 174 | 0.093 | 8 | 2.10 | 0.025 | 0.34 | <0.1 | 0.02 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 692 | Soil | 24 | 0.59 | 163 | 0.164 | 6 | 2.34 | 0.036 | 0.35 | <0.1 | 0.02 | 7.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 693 | Soil | 18 | 0.47 | 175 | 0.147 | 8 | 2.11 | 0.037 | 0.30 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 694 | Soil | 20 | 0.46 | 200 | 0.146 | 6 | 2.28 | 0.036 | 0.30 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 695 | Soil | 22 | 0.51 | 236 | 0.168 | 4 | 2.40 | 0.041 | 0.36 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 696 | Soil | 33 | 0.60 | 144 | 0.186 | 6 | 2.79 | 0.033 | 0.31 | <0.1 | 0.02 | 8.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 697 | Soil | 28 | 0.74 | 112 | 0.191 | 9 | 2.37 | 0.037 | 0.19 | <0.1 | 0.02 | 9.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 698 | Soil | 38 | 0.78 | 133 | 0.195 | 2 | 2.95 | 0.040 | 0.12 | <0.1 | 0.02 | 12.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 699 | Soil | 27 | 0.60 | 150 | 0.158 | 6 | 2.31 | 0.035 | 0.18 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 700 | Soil | 39 | 0.94 | 163 | 0.140 | 3 | 4.44 | 0.033 | 0.14 | <0.1 | 0.03 | 10.3 | <0.1 | <0.05 | 11 | 0.7 | <0.2 |
| GPSTD-4 | Rock Pulp | 35 | 0.71 | 147 | 0.144 | 5 | 1.55 | 0.121 | 0.15 | 27.3 | 0.07 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 701 | Soil | 32 | 1.00 | 151 | 0.138 | 7 | 3.64 | 0.072 | 0.13 | <0.1 | 0.03 | 10.1 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 702 | Soil | 28 | 0.48 | 116 | 0.122 | 3 | 2.08 | 0.025 | 0.19 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 703 | Soil | 19 | 0.46 | 122 | 0.095 | 6 | 1.81 | 0.021 | 0.12 | <0.1 | 0.03 | 3.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 704 | Soil | 25 | 0.52 | 166 | 0.097 | 4 | 2.78 | 0.024 | 0.23 | <0.1 | 0.04 | 5.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 705 | Soil | 23 | 0.47 | 179 | 0.117 | 5 | 2.11 | 0.027 | 0.17 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 706 | Soil | 18 | 0.39 | 150 | 0.116 | 4 | 1.22 | 0.047 | 0.08 | <0.1 | 0.01 | 3.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 707 | Soil | 15 | 0.64 | 188 | 0.040 | 3 | 2.31 | 0.058 | 0.14 | <0.1 | 0.03 | 4.2 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 6 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 708 | Soil | 0.4 | 24.4 | 4.8 | 47 | <0.1 | 19.3 | 11.1 | 281 | 2.64 | 2.0 | 2.3 | 1.4 | 168 | <0.1 | 0.3 | <0.1 | 73 | 0.60 | 0.019 | 8 |
| JT 709 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 710 | Soil | 0.5 | 47.2 | 6.0 | 85 | 0.3 | 22.9 | 22.7 | 1389 | 4.71 | 18.1 | 52.7 | 1.4 | 79 | 0.2 | 1.6 | <0.1 | 161 | 0.88 | 0.124 | 10 |
| JT 711 | Soil | 0.5 | 51.8 | 4.6 | 107 | 0.3 | 20.0 | 17.3 | 1309 | 3.98 | 23.4 | 22.1 | 1.1 | 61 | 0.2 | 1.0 | <0.1 | 116 | 0.75 | 0.096 | 12 |
| JT 712 | Soil | <0.1 | 62.9 | 5.2 | 33 | <0.1 | 16.0 | 6.5 | 130 | 1.63 | 2.9 | 0.5 | 1.5 | 65 | <0.1 | 0.2 | <0.1 | 37 | 0.63 | 0.027 | 10 |
| JT 713 | Soil | 0.4 | 23.3 | 6.1 | 70 | <0.1 | 13.7 | 6.9 | 631 | 2.05 | 2.9 | 9.6 | 2.3 | 98 | 0.1 | 0.3 | <0.1 | 52 | 0.58 | 0.031 | 18 |
| JT 714 | Soil | 0.6 | 26.1 | 4.7 | 91 | 0.1 | 20.1 | 9.4 | 766 | 2.19 | 2.5 | <0.5 | 0.8 | 52 | 0.1 | 0.2 | <0.1 | 52 | 0.47 | 0.077 | 4 |
| JT 715 | Soil | 0.5 | 27.8 | 6.9 | 66 | 0.1 | 18.5 | 8.5 | 497 | 2.27 | 4.7 | 0.8 | 2.4 | 59 | 0.1 | 0.3 | <0.1 | 52 | 0.64 | 0.037 | 15 |
| JT 716 | Soil | 0.5 | 21.2 | 4.9 | 92 | <0.1 | 17.4 | 8.6 | 554 | 2.34 | 2.1 | <0.5 | 1.4 | 63 | 0.1 | 0.3 | <0.1 | 59 | 0.50 | 0.024 | 8 |
| JT 717 | Soil | 0.6 | 20.3 | 4.3 | 84 | <0.1 | 15.2 | 7.2 | 675 | 1.96 | 1.3 | 0.9 | 1.1 | 41 | <0.1 | 0.3 | <0.1 | 47 | 0.49 | 0.025 | 6 |
| JT 718 | Soil | 0.4 | 22.3 | 7.1 | 47 | 0.1 | 12.9 | 8.7 | 484 | 2.04 | 3.7 | 0.5 | 2.2 | 80 | <0.1 | 0.5 | <0.1 | 44 | 0.67 | 0.028 | 16 |
| JT 719 | Soil | 0.7 | 34.3 | 5.5 | 40 | 0.1 | 16.1 | 9.4 | 740 | 1.79 | 3.4 | <0.5 | 1.0 | 86 | <0.1 | 0.2 | <0.1 | 42 | 0.80 | 0.050 | 18 |
| JT 720 | Soil | 0.5 | 23.4 | 4.8 | 85 | <0.1 | 16.8 | 7.5 | 535 | 1.86 | 1.2 | 2.5 | 1.2 | 77 | 0.2 | 0.2 | <0.1 | 43 | 0.53 | 0.031 | 6 |
| JT 721 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 722 | Soil | 0.6 | 43.0 | 5.4 | 74 | <0.1 | 22.5 | 13.7 | 866 | 2.93 | 2.2 | <0.5 | 1.5 | 97 | 0.2 | 0.7 | <0.1 | 78 | 0.82 | 0.076 | 10 |
| JT 723 | Soil | 0.7 | 58.7 | 5.8 | 83 | 0.1 | 25.0 | 18.7 | 1037 | 3.79 | 6.0 | 0.6 | 1.3 | 101 | 0.2 | 1.0 | <0.1 | 111 | 1.03 | 0.098 | 10 |
| JT 724 | Soil | 0.4 | 23.3 | 3.7 | 112 | <0.1 | 23.0 | 7.3 | 274 | 2.08 | 1.9 | <0.5 | 1.0 | 70 | 0.2 | 0.2 | <0.1 | 47 | 0.72 | 0.077 | 4 |
| JT 725 | Soil | 0.4 | 46.8 | 3.2 | 85 | <0.1 | 20.1 | 11.3 | 575 | 3.11 | 2.6 | <0.5 | 1.5 | 105 | 0.2 | 0.6 | <0.1 | 86 | 0.75 | 0.057 | 11 |
| JT 726 | Soil | 0.5 | 27.8 | 3.8 | 90 | <0.1 | 18.2 | 8.8 | 870 | 2.36 | 2.7 | <0.5 | 1.3 | 115 | <0.1 | 0.3 | <0.1 | 60 | 0.68 | 0.044 | 9 |
| JT 727 | Soil | 0.3 | 17.8 | 4.6 | 60 | <0.1 | 18.8 | 7.8 | 324 | 1.95 | 2.5 | 6.4 | 0.7 | 45 | 0.1 | 0.2 | <0.1 | 49 | 0.48 | 0.036 | 4 |
| JT 728 | Soil | 0.7 | 13.5 | 4.6 | 66 | <0.1 | 13.8 | 6.2 | 305 | 1.86 | 1.7 | 7.1 | 0.9 | 50 | <0.1 | 0.2 | <0.1 | 49 | 0.42 | 0.026 | 6 |
| JT 729 | Soil | 0.4 | 17.9 | 3.5 | 114 | <0.1 | 16.8 | 5.6 | 470 | 1.92 | 1.6 | <0.5 | 1.1 | 46 | 0.2 | <0.1 | 0.3 | 44 | 0.53 | 0.033 | 6 |
| JT 730 | Soil | 0.3 | 14.0 | 6.4 | 59 | <0.1 | 12.0 | 5.5 | 451 | 1.77 | 1.0 | <0.5 | 1.3 | 258 | <0.1 | 0.1 | 0.2 | 44 | 0.74 | 0.023 | 12 |
| JT 731 | Soil | 0.4 | 16.1 | 6.9 | 69 | <0.1 | 15.6 | 8.2 | 538 | 2.08 | 2.2 | <0.5 | 1.2 | 124 | 0.1 | 0.2 | 0.1 | 52 | 0.80 | 0.046 | 9 |
| JT 732 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 733 | Soil | 0.4 | 22.7 | 7.0 | 54 | <0.1 | 15.5 | 9.3 | 614 | 2.10 | 2.7 | <0.5 | 1.4 | 111 | 0.1 | 0.2 | <0.1 | 50 | 1.25 | 0.043 | 21 |
| JT 734 | Soil | 0.2 | 29.9 | 6.5 | 81 | <0.1 | 26.1 | 7.9 | 222 | 2.63 | 3.0 | 4.9 | 1.9 | 104 | 0.1 | 0.2 | <0.1 | 59 | 0.74 | 0.049 | 11 |
| JT 735 | Soil | 0.4 | 20.8 | 8.6 | 81 | <0.1 | 14.2 | 7.8 | 830 | 1.96 | 2.4 | 0.6 | 1.8 | 77 | 0.1 | 0.3 | <0.1 | 57 | 0.73 | 0.036 | 14 |
| JT 736 | Soil | 0.5 | 29.6 | 5.0 | 57 | <0.1 | 20.2 | 8.5 | 241 | 2.59 | 2.4 | 1.5 | 1.6 | 101 | <0.1 | 0.2 | <0.1 | 60 | 0.84 | 0.047 | 13 |
| JT 737 | Soil | 0.3 | 33.1 | 5.4 | 72 | <0.1 | 21.6 | 10.6 | 682 | 2.70 | 1.7 | 1.2 | 1.5 | 183 | <0.1 | 0.2 | 0.1 | 63 | 0.83 | 0.031 | 15 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 6 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 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 |
| JT 708 | Soil | 28 | 0.62 | 127 | 0.163 | 6 | 2.00 | 0.048 | 0.14 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 709 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 710 | Soil | 18 | 1.17 | 100 | 0.137 | 4 | 3.35 | 0.018 | 0.18 | 0.2 | 0.06 | 9.4 | <0.1 | <0.05 | 13 | <0.5 | <0.2 |
| JT 711 | Soil | 15 | 0.86 | 93 | 0.043 | 3 | 2.59 | 0.020 | 0.22 | <0.1 | 0.05 | 7.7 | <0.1 | <0.05 | 10 | <0.5 | <0.2 |
| JT 712 | Soil | 16 | 0.61 | 126 | 0.104 | 3 | 2.47 | 0.082 | 0.03 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 713 | Soil | 18 | 0.44 | 124 | 0.076 | 5 | 1.95 | 0.028 | 0.27 | <0.1 | 0.02 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 714 | Soil | 24 | 0.55 | 110 | 0.109 | 5 | 1.98 | 0.026 | 0.19 | <0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 715 | Soil | 24 | 0.38 | 75 | 0.079 | 4 | 2.15 | 0.082 | 0.13 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 716 | Soil | 23 | 0.48 | 89 | 0.133 | 3 | 1.96 | 0.028 | 0.09 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 717 | Soil | 21 | 0.42 | 70 | 0.102 | 2 | 1.62 | 0.026 | 0.11 | <0.1 | 0.01 | 4.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 718 | Soil | 16 | 0.44 | 105 | 0.024 | 3 | 1.72 | 0.042 | 0.15 | <0.1 | 0.03 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 719 | Soil | 16 | 0.38 | 54 | 0.008 | 3 | 1.77 | 0.231 | 0.05 | <0.1 | 0.08 | 5.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 720 | Soil | 23 | 0.41 | 225 | 0.086 | 5 | 1.76 | 0.019 | 0.26 | <0.1 | 0.02 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 721 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 722 | Soil | 22 | 0.78 | 156 | 0.137 | 5 | 2.86 | 0.025 | 0.17 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 723 | Soil | 22 | 1.22 | 115 | 0.150 | 4 | 3.07 | 0.030 | 0.18 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 724 | Soil | 20 | 0.49 | 116 | 0.099 | 7 | 2.33 | 0.028 | 0.14 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 725 | Soil | 19 | 0.85 | 105 | 0.155 | 6 | 2.27 | 0.025 | 0.17 | <0.1 | 0.01 | 9.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 726 | Soil | 22 | 0.57 | 146 | 0.148 | 9 | 2.16 | 0.021 | 0.29 | <0.1 | 0.02 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 727 | Soil | 21 | 0.45 | 66 | 0.106 | 10 | 1.89 | 0.029 | 0.24 | <0.1 | <0.01 | 3.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 728 | Soil | 20 | 0.39 | 69 | 0.122 | 4 | 1.59 | 0.021 | 0.13 | <0.1 | 0.01 | 3.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 729 | Soil | 20 | 0.44 | 76 | 0.104 | 5 | 1.98 | 0.026 | 0.13 | <0.1 | 0.01 | 3.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 730 | Soil | 17 | 0.47 | 375 | 0.095 | 2 | 2.50 | 0.061 | 0.19 | <0.1 | 0.02 | 3.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 731 | Soil | 20 | 0.49 | 227 | 0.108 | 3 | 2.60 | 0.042 | 0.19 | <0.1 | 0.03 | 3.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 732 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 733 | Soil | 15 | 0.65 | 218 | 0.082 | 4 | 2.24 | 0.114 | 0.19 | <0.1 | 0.07 | 6.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 734 | Soil | 27 | 0.57 | 181 | 0.135 | 4 | 3.07 | 0.041 | 0.20 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 735 | Soil | 20 | 0.37 | 135 | 0.105 | 4 | 2.21 | 0.023 | 0.13 | <0.1 | 0.03 | 4.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 736 | Soil | 27 | 0.59 | 122 | 0.159 | 4 | 2.67 | 0.027 | 0.08 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 737 | Soil | 26 | 0.54 | 119 | 0.149 | 4 | 2.79 | 0.030 | 0.11 | <0.1 | 0.03 | 7.9 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 7 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------------|-----------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | |
| | | | 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 | 2 | 0.01 | 0.001 | 1 | |
| JT 738 | Soil | | 0.6 | 27.7 | 4.2 | 76 | <0.1 | 20.7 | 9.3 | 461 | 2.35 | 1.8 | 1.2 | 1.2 | 80 | <0.1 | 0.2 | <0.1 | 58 | 0.69 | 0.039 | 9 |
| JT 739 | Soil | | 0.4 | 26.3 | 3.7 | 97 | <0.1 | 18.6 | 8.7 | 733 | 2.28 | 2.1 | 1.0 | 1.1 | 104 | 0.1 | 0.1 | <0.1 | 53 | 0.95 | 0.048 | 8 |
| JT 740 | Soil | | 0.8 | 53.2 | 5.2 | 69 | <0.1 | 32.2 | 15.6 | 626 | 3.17 | 6.1 | 0.9 | 1.2 | 84 | 0.1 | 0.2 | <0.1 | 86 | 0.96 | 0.092 | 6 |
| JT 741 | Soil | | 0.5 | 29.4 | 3.7 | 69 | <0.1 | 18.3 | 9.0 | 532 | 2.03 | 2.4 | 0.9 | 1.1 | 104 | 0.1 | <0.1 | <0.1 | 49 | 0.96 | 0.279 | 7 |
| JT 742 | Soil | | 0.6 | 60.6 | 4.2 | 51 | <0.1 | 33.3 | 12.8 | 243 | 3.38 | 5.3 | 1.9 | 1.8 | 86 | 0.1 | 0.3 | <0.1 | 81 | 0.78 | 0.046 | 11 |
| JT 743 | Soil | | 0.7 | 50.7 | 3.0 | 67 | <0.1 | 22.7 | 17.5 | 953 | 3.30 | 3.7 | <0.5 | 0.8 | 105 | 0.1 | 0.2 | <0.1 | 92 | 1.28 | 0.114 | 9 |
| JT 744 | Soil | | 0.7 | 46.2 | 5.1 | 64 | 0.1 | 25.0 | 14.0 | 718 | 3.07 | 3.4 | <0.5 | 1.7 | 125 | 0.2 | 0.8 | <0.1 | 87 | 1.18 | 0.039 | 10 |
| JT 745 | Soil | | 0.6 | 74.3 | 6.3 | 63 | 0.4 | 19.0 | 18.1 | 1571 | 4.29 | 11.4 | 10.8 | 1.8 | 355 | 0.3 | 8.3 | <0.1 | 126 | 1.69 | 0.096 | 14 |
| JT 746 | Soil | | 0.6 | 46.5 | 3.8 | 59 | 0.2 | 16.1 | 11.9 | 699 | 3.27 | 2.9 | 0.9 | 1.9 | 107 | 0.2 | 2.7 | <0.1 | 102 | 0.91 | 0.034 | 14 |
| JT 747 | Soil | | 0.6 | 22.0 | 3.4 | 63 | <0.1 | 13.1 | 7.6 | 441 | 2.54 | 1.8 | <0.5 | 1.4 | 65 | 0.1 | 2.0 | <0.1 | 71 | 0.72 | 0.039 | 8 |
| JT 748 | Soil | | 0.3 | 53.3 | 3.8 | 55 | <0.1 | 22.3 | 10.7 | 329 | 3.31 | 3.5 | 2.9 | 2.0 | 110 | <0.1 | 1.9 | <0.1 | 72 | 0.85 | 0.042 | 19 |
| JT 749 | Soil | | 0.2 | 26.3 | 3.4 | 57 | <0.1 | 12.5 | 9.9 | 395 | 2.91 | 1.8 | 1.9 | 1.4 | 50 | <0.1 | 2.0 | <0.1 | 55 | 0.46 | 0.023 | 14 |
| JT 750 | Soil | | 0.2 | 39.9 | 3.9 | 67 | 0.2 | 14.9 | 11.4 | 496 | 3.26 | 2.0 | 5.8 | 2.1 | 48 | <0.1 | 1.0 | <0.1 | 68 | 0.64 | 0.046 | 15 |
| GPSTD-5 | Rock Pulp | | 6.9 | 44.3 | 4.6 | 51 | 0.5 | 30.8 | 13.3 | 474 | 2.88 | 6.0 | 657.1 | 1.2 | 46 | 0.3 | 1.0 | <0.1 | 62 | 0.84 | 0.050 | 7 |
| JT 751 | Soil | | 0.6 | 34.3 | 3.1 | 61 | <0.1 | 16.2 | 10.5 | 379 | 3.06 | 2.2 | <0.5 | 1.5 | 70 | <0.1 | 1.9 | <0.1 | 93 | 0.71 | 0.025 | 14 |
| JT 752 | Soil | | 0.6 | 24.3 | 4.6 | 128 | <0.1 | 20.9 | 9.1 | 1007 | 2.22 | 1.3 | 0.6 | 1.3 | 69 | 0.1 | 0.1 | <0.1 | 48 | 0.66 | 0.028 | 9 |
| JT 753 | Soil | | 0.7 | 22.8 | 3.9 | 103 | <0.1 | 19.1 | 8.8 | 992 | 2.09 | 1.1 | <0.5 | 1.2 | 77 | 0.2 | 0.1 | <0.1 | 47 | 0.63 | 0.022 | 8 |
| JT 754 | Soil | | 0.3 | 27.9 | 3.7 | 112 | <0.1 | 20.7 | 9.5 | 874 | 2.40 | 0.6 | <0.5 | 1.3 | 93 | 0.2 | 0.1 | <0.1 | 52 | 0.86 | 0.028 | 9 |
| JT 755 | Soil | | 0.3 | 20.4 | 2.8 | 178 | <0.1 | 13.5 | 5.3 | 684 | 1.40 | 0.9 | <0.5 | 0.6 | 91 | 0.1 | <0.1 | <0.1 | 29 | 0.99 | 0.083 | 3 |
| JT 756 | Soil | | 0.3 | 32.6 | 4.9 | 71 | <0.1 | 21.2 | 11.3 | 756 | 2.47 | 0.7 | <0.5 | 2.0 | 108 | 0.1 | 0.1 | <0.1 | 56 | 0.89 | 0.035 | 15 |
| JT 757 | Soil | | 0.3 | 39.0 | 5.0 | 67 | <0.1 | 22.1 | 11.2 | 590 | 2.82 | 0.8 | <0.5 | 2.2 | 93 | 0.1 | 0.1 | <0.1 | 68 | 0.93 | 0.026 | 16 |
| JT 758 | Soil | | 0.2 | 28.4 | 5.8 | 67 | <0.1 | 21.9 | 12.0 | 803 | 2.86 | 0.6 | <0.5 | 1.9 | 100 | 0.1 | <0.1 | <0.1 | 80 | 0.65 | 0.032 | 14 |
| JT 759 | Soil | | 0.3 | 36.0 | 5.2 | 60 | <0.1 | 20.7 | 11.5 | 701 | 2.37 | 0.9 | <0.5 | 2.3 | 98 | 0.1 | 0.1 | <0.1 | 59 | 0.67 | 0.016 | 16 |
| JT 760 | Soil | | 0.8 | 43.1 | 9.4 | 85 | 0.1 | 23.4 | 15.8 | 1245 | 2.67 | 2.4 | 0.8 | 1.7 | 118 | 0.2 | 0.2 | <0.1 | 70 | 0.91 | 0.057 | 16 |
| JT 761 | Soil | | 0.4 | 38.2 | 5.0 | 64 | <0.1 | 22.9 | 12.6 | 662 | 2.62 | 1.7 | 0.6 | 1.8 | 116 | 0.1 | 0.2 | <0.1 | 64 | 0.83 | 0.033 | 15 |
| JT 762 | Soil | | 0.5 | 35.3 | 4.0 | 51 | <0.1 | 17.1 | 13.2 | 622 | 2.34 | 1.0 | 1.8 | 1.6 | 171 | <0.1 | 0.2 | <0.1 | 72 | 0.73 | 0.029 | 10 |
| JT 763 | Soil | | 0.3 | 34.1 | 3.4 | 45 | <0.1 | 11.3 | 9.4 | 484 | 2.09 | 1.1 | 0.5 | 1.9 | 179 | <0.1 | 0.2 | <0.1 | 63 | 0.87 | 0.055 | 13 |
| JT 764 | Soil | | 0.3 | 40.3 | 5.8 | 67 | <0.1 | 12.8 | 11.8 | 791 | 2.33 | 1.0 | <0.5 | 1.9 | 146 | 0.1 | 0.1 | <0.1 | 55 | 0.79 | 0.065 | 13 |
| JT 765 | Soil | | 0.4 | 30.2 | 4.3 | 61 | <0.1 | 13.0 | 10.2 | 744 | 2.16 | 1.0 | 2.7 | 2.2 | 187 | <0.1 | 0.1 | <0.1 | 44 | 0.96 | 0.050 | 14 |
| JT 766 | Soil | | 0.3 | 27.0 | 5.6 | 59 | <0.1 | 14.3 | 8.3 | 337 | 2.95 | 0.5 | <0.5 | 2.4 | 99 | 0.1 | <0.1 | <0.1 | 66 | 0.69 | 0.026 | 13 |

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.

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 738 | Soil | 26 | 0.48 | 114 | 0.129 | 4 | 2.40 | 0.021 | 0.10 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 739 | Soil | 25 | 0.50 | 113 | 0.112 | 6 | 2.74 | 0.023 | 0.12 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 740 | Soil | 31 | 0.92 | 128 | 0.136 | 1 | 4.37 | 0.020 | 0.12 | <0.1 | 0.04 | 5.8 | <0.1 | <0.05 | 11 | <0.5 | <0.2 |
| JT 741 | Soil | 16 | 0.59 | 197 | 0.089 | 10 | 1.89 | 0.025 | 0.23 | <0.1 | 0.03 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 742 | Soil | 40 | 0.86 | 93 | 0.159 | 5 | 2.97 | 0.037 | 0.12 | <0.1 | 0.02 | 10.2 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 743 | Soil | 19 | 1.19 | 102 | 0.140 | 3 | 2.75 | 0.028 | 0.12 | <0.1 | 0.03 | 8.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 744 | Soil | 29 | 0.72 | 143 | 0.175 | 4 | 2.95 | 0.031 | 0.24 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 745 | Soil | 14 | 1.47 | 325 | 0.308 | 4 | 3.14 | 0.039 | 0.16 | 0.6 | 0.11 | 12.3 | <0.1 | <0.05 | 14 | <0.5 | <0.2 |
| JT 746 | Soil | 16 | 0.69 | 134 | 0.221 | 5 | 1.95 | 0.027 | 0.18 | 0.2 | 0.03 | 10.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 747 | Soil | 14 | 0.41 | 114 | 0.166 | 5 | 1.76 | 0.022 | 0.14 | 0.2 | 0.02 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 748 | Soil | 29 | 0.78 | 96 | 0.136 | 4 | 2.57 | 0.027 | 0.15 | 0.1 | 0.02 | 11.0 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 749 | Soil | 12 | 0.46 | 70 | 0.131 | 3 | 1.25 | 0.025 | 0.08 | <0.1 | <0.01 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 750 | Soil | 14 | 0.67 | 70 | 0.072 | 7 | 2.24 | 0.024 | 0.19 | <0.1 | 0.01 | 9.6 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| GPSTD-5 | Rock Pulp | 34 | 0.68 | 143 | 0.135 | 4 | 1.43 | 0.121 | 0.15 | 24.8 | 0.04 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 751 | Soil | 16 | 0.63 | 94 | 0.181 | 4 | 1.98 | 0.033 | 0.13 | 0.1 | <0.01 | 9.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 752 | Soil | 25 | 0.43 | 159 | 0.113 | 3 | 2.23 | 0.030 | 0.13 | <0.1 | 0.03 | 5.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 753 | Soil | 23 | 0.46 | 140 | 0.113 | 4 | 2.02 | 0.036 | 0.22 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 754 | Soil | 25 | 0.49 | 122 | 0.118 | 6 | 2.03 | 0.033 | 0.28 | <0.1 | 0.01 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 755 | Soil | 14 | 0.30 | 166 | 0.068 | 4 | 1.61 | 0.021 | 0.21 | <0.1 | 0.01 | 3.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 756 | Soil | 19 | 0.62 | 110 | 0.120 | 6 | 2.21 | 0.031 | 0.38 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 757 | Soil | 21 | 0.81 | 92 | 0.151 | 3 | 2.55 | 0.041 | 0.20 | <0.1 | 0.02 | 7.9 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 758 | Soil | 19 | 0.84 | 94 | 0.178 | 2 | 1.94 | 0.032 | 0.21 | <0.1 | 0.01 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 759 | Soil | 22 | 0.40 | 131 | 0.135 | 3 | 2.21 | 0.033 | 0.31 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 760 | Soil | 25 | 0.54 | 169 | 0.106 | 3 | 2.71 | 0.029 | 0.22 | <0.1 | 0.07 | 7.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 761 | Soil | 27 | 0.55 | 138 | 0.123 | 4 | 2.54 | 0.034 | 0.21 | <0.1 | 0.04 | 7.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 762 | Soil | 20 | 0.50 | 138 | 0.122 | 2 | 1.89 | 0.044 | 0.18 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 763 | Soil | 13 | 0.66 | 108 | 0.100 | 3 | 1.78 | 0.036 | 0.13 | <0.1 | 0.04 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 764 | Soil | 12 | 0.76 | 102 | 0.104 | 2 | 1.79 | 0.028 | 0.19 | <0.1 | 0.17 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 765 | Soil | 14 | 0.47 | 125 | 0.100 | 7 | 1.82 | 0.020 | 0.37 | <0.1 | 0.09 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 766 | Soil | 22 | 0.46 | 86 | 0.137 | 4 | 2.10 | 0.023 | 0.26 | <0.1 | 0.04 | 8.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 8 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 767 | Soil | 0.3 | 40.0 | 5.1 | 89 | <0.1 | 34.8 | 17.4 | 1140 | 3.56 | 0.6 | <0.5 | 2.2 | 97 | 0.1 | <0.1 | <0.1 | 71 | 1.02 | 0.031 | 17 |
| JT 768 | Soil | 0.3 | 34.5 | 4.6 | 88 | <0.1 | 30.8 | 15.4 | 1177 | 3.03 | 0.6 | <0.5 | 1.8 | 109 | 0.1 | <0.1 | <0.1 | 62 | 1.01 | 0.033 | 16 |
| JT 769 | Soil | 0.5 | 33.9 | 4.8 | 80 | <0.1 | 30.1 | 15.4 | 654 | 3.34 | 0.8 | <0.5 | 1.9 | 93 | 0.1 | 0.1 | <0.1 | 65 | 0.88 | 0.037 | 11 |
| JT 770 | Soil | 0.6 | 31.3 | 3.7 | 123 | <0.1 | 26.7 | 10.9 | 841 | 2.63 | 1.3 | <0.5 | 1.5 | 68 | 0.2 | <0.1 | 0.1 | 54 | 0.54 | 0.040 | 7 |
| JT 771 | Soil | 0.3 | 34.7 | 4.3 | 68 | <0.1 | 41.2 | 14.0 | 421 | 3.09 | 1.2 | <0.5 | 2.2 | 67 | 0.1 | 0.1 | <0.1 | 63 | 0.64 | 0.037 | 15 |
| JT 772 | Soil | 0.3 | 34.0 | 4.3 | 89 | <0.1 | 28.8 | 12.5 | 504 | 2.67 | 1.0 | <0.5 | 2.0 | 62 | 0.1 | <0.1 | 0.2 | 54 | 0.62 | 0.032 | 12 |
| JT 773 | Soil | 0.4 | 30.9 | 5.1 | 66 | <0.1 | 24.5 | 11.8 | 487 | 2.66 | 1.5 | 0.6 | 1.9 | 96 | <0.1 | 0.2 | 0.1 | 62 | 0.69 | 0.036 | 12 |
| JT 774 | Soil | 0.5 | 29.0 | 4.4 | 86 | <0.1 | 25.7 | 11.0 | 817 | 2.67 | 1.3 | <0.5 | 1.7 | 86 | 0.1 | 0.1 | 0.1 | 64 | 0.68 | 0.047 | 9 |
| JT 775 | Soil | 0.4 | 30.3 | 4.8 | 108 | <0.1 | 26.3 | 11.7 | 765 | 2.62 | 1.2 | <0.5 | 1.7 | 73 | 0.1 | 0.1 | 0.3 | 58 | 0.54 | 0.034 | 11 |
| JT 776 | Soil | 0.4 | 31.0 | 4.9 | 71 | <0.1 | 31.2 | 14.5 | 772 | 2.94 | 1.0 | <0.5 | 1.8 | 98 | 0.1 | 0.1 | 0.1 | 65 | 0.78 | 0.039 | 17 |
| JT 777 | Soil | 0.3 | 38.2 | 5.0 | 62 | <0.1 | 41.3 | 16.4 | 578 | 3.35 | 1.2 | <0.5 | 2.3 | 130 | <0.1 | 0.1 | 0.1 | 74 | 0.81 | 0.031 | 21 |
| JT 778 | Soil | 0.1 | 50.6 | 5.0 | 45 | <0.1 | 52.5 | 11.1 | 502 | 2.53 | 0.7 | 1.3 | 2.8 | 150 | 0.1 | 0.1 | <0.1 | 47 | 2.09 | 0.159 | 19 |
| JT 779 | Soil | 0.4 | 23.7 | 4.7 | 79 | <0.1 | 19.9 | 8.6 | 402 | 2.13 | 1.5 | <0.5 | 1.3 | 76 | 0.1 | <0.1 | <0.1 | 47 | 0.64 | 0.029 | 7 |
| JT 780 | Soil | 0.5 | 33.2 | 5.2 | 90 | <0.1 | 24.7 | 10.7 | 685 | 2.74 | 1.5 | 0.5 | 1.8 | 103 | 0.1 | 0.1 | <0.1 | 60 | 0.74 | 0.034 | 11 |
| JT 781 | Soil | 0.5 | 38.8 | 5.5 | 66 | <0.1 | 27.5 | 14.4 | 456 | 3.10 | 2.5 | <0.5 | 2.1 | 118 | 0.1 | 0.2 | <0.1 | 72 | 0.73 | 0.037 | 14 |
| JT 782 | Soil | 0.6 | 30.6 | 5.3 | 61 | <0.1 | 23.2 | 12.3 | 531 | 2.92 | 2.0 | 0.7 | 2.0 | 110 | <0.1 | 0.2 | <0.1 | 68 | 0.66 | 0.024 | 11 |
| JT 783 | Soil | 0.4 | 37.4 | 5.6 | 67 | <0.1 | 26.9 | 12.1 | 428 | 3.03 | 2.0 | 1.2 | 2.2 | 113 | 0.1 | 0.2 | <0.1 | 65 | 0.76 | 0.038 | 13 |
| JT 784 | Soil | 0.4 | 22.2 | 4.9 | 70 | <0.1 | 18.0 | 9.1 | 357 | 2.42 | 1.7 | <0.5 | 1.3 | 94 | 0.1 | 0.1 | <0.1 | 58 | 0.62 | 0.033 | 7 |
| JT 785 | Soil | 0.6 | 26.9 | 4.5 | 84 | <0.1 | 19.1 | 9.0 | 726 | 2.39 | 1.4 | <0.5 | 1.6 | 100 | 0.1 | 0.1 | <0.1 | 53 | 0.56 | 0.025 | 9 |
| JT 786 | Soil | 0.3 | 46.4 | 4.6 | 52 | <0.1 | 34.5 | 12.8 | 363 | 3.33 | 1.4 | <0.5 | 2.4 | 136 | 0.1 | 0.1 | <0.1 | 77 | 0.76 | 0.044 | 20 |
| JT 787 | Soil | 0.3 | 23.3 | 4.6 | 119 | <0.1 | 21.6 | 10.1 | 896 | 2.27 | 0.8 | <0.5 | 1.6 | 70 | 0.2 | 0.1 | <0.1 | 47 | 0.62 | 0.054 | 8 |
| JT 788 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 789 | Soil | 0.4 | 46.3 | 4.4 | 68 | <0.1 | 26.6 | 14.1 | 653 | 2.72 | 2.9 | <0.5 | 1.9 | 115 | 0.2 | 0.1 | <0.1 | 55 | 1.53 | 0.075 | 15 |
| JT 790 | Soil | 0.6 | 36.8 | 7.2 | 73 | <0.1 | 32.1 | 18.0 | 792 | 3.59 | 2.3 | <0.5 | 1.6 | 102 | 0.1 | 0.2 | <0.1 | 75 | 1.33 | 0.055 | 12 |
| JT 791 | Soil | 0.4 | 29.0 | 6.0 | 65 | <0.1 | 20.2 | 12.0 | 853 | 2.46 | 1.1 | <0.5 | 1.8 | 92 | 0.1 | 0.2 | <0.1 | 67 | 0.61 | 0.029 | 12 |
| JT 792 | Soil | 0.4 | 42.0 | 5.3 | 63 | <0.1 | 28.1 | 12.1 | 553 | 3.01 | 1.7 | 0.6 | 2.1 | 104 | 0.1 | 0.2 | <0.1 | 65 | 0.67 | 0.030 | 15 |
| JT 793 | Soil | 0.5 | 24.7 | 4.9 | 165 | <0.1 | 16.7 | 8.7 | 1630 | 1.99 | 2.7 | 1.0 | 1.2 | 115 | 0.2 | 0.1 | <0.1 | 46 | 0.88 | 0.130 | 7 |
| JT 794 | Soil | 0.4 | 25.2 | 5.2 | 63 | <0.1 | 20.0 | 9.3 | 418 | 2.67 | 0.8 | 1.7 | 1.8 | 108 | 0.1 | 0.2 | <0.1 | 64 | 0.67 | 0.021 | 14 |
| JT 795 | Soil | 0.4 | 28.8 | 4.6 | 50 | <0.1 | 19.2 | 11.2 | 573 | 2.54 | 1.4 | <0.5 | 2.0 | 111 | <0.1 | 0.2 | <0.1 | 72 | 0.59 | 0.016 | 16 |
| JT 796 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 8 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 767 | Soil | 28 | 0.84 | 108 | 0.079 | 7 | 3.49 | 0.046 | 0.45 | <0.1 | 0.03 | 11.3 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 768 | Soil | 28 | 0.63 | 137 | 0.069 | 6 | 3.30 | 0.052 | 0.32 | <0.1 | 0.03 | 9.1 | 0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 769 | Soil | 31 | 0.69 | 120 | 0.075 | 5 | 3.63 | 0.046 | 0.24 | <0.1 | 0.03 | 10.1 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| JT 770 | Soil | 29 | 0.58 | 156 | 0.114 | 4 | 2.41 | 0.030 | 0.25 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 771 | Soil | 39 | 0.86 | 127 | 0.120 | 3 | 2.68 | 0.035 | 0.14 | <0.1 | 0.01 | 9.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 772 | Soil | 32 | 0.77 | 131 | 0.106 | 4 | 2.59 | 0.039 | 0.10 | <0.1 | 0.02 | 7.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 773 | Soil | 37 | 0.54 | 155 | 0.127 | 3 | 2.50 | 0.036 | 0.14 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| JT 774 | Soil | 37 | 0.58 | 146 | 0.148 | 6 | 2.09 | 0.032 | 0.25 | <0.1 | 0.03 | 7.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 775 | Soil | 35 | 0.56 | 174 | 0.114 | 3 | 2.31 | 0.031 | 0.11 | <0.1 | 0.02 | 6.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 776 | Soil | 42 | 0.66 | 155 | 0.100 | 4 | 2.62 | 0.027 | 0.14 | <0.1 | 0.05 | 8.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 777 | Soil | 44 | 0.76 | 165 | 0.102 | 4 | 2.72 | 0.036 | 0.20 | <0.1 | 0.02 | 9.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 778 | Soil | 53 | 0.69 | 176 | 0.047 | 6 | 1.55 | 0.024 | 0.10 | <0.1 | 0.05 | 12.0 | <0.1 | <0.05 | 4 | 0.7 | <0.2 |
| JT 779 | Soil | 24 | 0.50 | 137 | 0.107 | 6 | 2.36 | 0.028 | 0.11 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 780 | Soil | 30 | 0.57 | 179 | 0.125 | 6 | 2.77 | 0.029 | 0.13 | <0.1 | 0.03 | 6.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 781 | Soil | 37 | 0.73 | 158 | 0.141 | 3 | 2.59 | 0.031 | 0.20 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 782 | Soil | 35 | 0.59 | 166 | 0.135 | 1 | 2.75 | 0.035 | 0.12 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 783 | Soil | 35 | 0.71 | 155 | 0.139 | 5 | 2.77 | 0.033 | 0.17 | <0.1 | 0.03 | 8.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 784 | Soil | 27 | 0.49 | 137 | 0.133 | 5 | 2.16 | 0.033 | 0.11 | <0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 785 | Soil | 27 | 0.48 | 167 | 0.131 | 5 | 2.34 | 0.032 | 0.18 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 786 | Soil | 41 | 1.11 | 132 | 0.116 | <1 | 2.75 | 0.048 | 0.14 | <0.1 | 0.02 | 11.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 787 | Soil | 26 | 0.49 | 137 | 0.114 | 5 | 2.24 | 0.036 | 0.34 | <0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 788 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 789 | Soil | 21 | 0.72 | 137 | 0.099 | 16 | 2.78 | 0.029 | 0.32 | <0.1 | 0.04 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 790 | Soil | 24 | 1.14 | 113 | 0.113 | 10 | 3.61 | 0.034 | 0.27 | <0.1 | 0.04 | 7.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 791 | Soil | 21 | 0.55 | 109 | 0.136 | 2 | 1.76 | 0.032 | 0.19 | <0.1 | 0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 792 | Soil | 37 | 0.64 | 117 | 0.138 | 4 | 2.61 | 0.030 | 0.24 | <0.1 | 0.02 | 8.2 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| JT 793 | Soil | 18 | 0.50 | 204 | 0.096 | 8 | 2.32 | 0.031 | 0.47 | <0.1 | 0.04 | 4.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 794 | Soil | 32 | 0.48 | 117 | 0.131 | 1 | 2.26 | 0.033 | 0.16 | <0.1 | 0.01 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 795 | Soil | 28 | 0.48 | 151 | 0.139 | 2 | 2.03 | 0.038 | 0.14 | <0.1 | 0.03 | 6.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 796 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 9 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| JT 797 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 798 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| JT 799 | Soil | 0.4 | 34.0 | 4.6 | 52 | <0.1 | 15.4 | 10.3 | 569 | 2.53 | 0.9 | <0.5 | 2.4 | 149 | <0.1 | 0.1 | <0.1 | 53 | 0.97 | 0.041 | 16 |
| JT 800 | Soil | 0.3 | 43.9 | 4.0 | 94 | <0.1 | 15.2 | 9.5 | 708 | 2.13 | 1.1 | 3.5 | 2.0 | 171 | 0.2 | <0.1 | <0.1 | 43 | 1.84 | 0.082 | 17 |
| GPSTD-6 | Rock Pulp | 32.5 | 6878 | 4814 | >10000 | 71.0 | 37.8 | 50.6 | 486 | 4.80 | 54.4 | 491.8 | 4.4 | 37 | 67.9 | 76.3 | 11.7 | 60 | 0.77 | 0.050 | 11 |
| JT 801 | Soil | 0.2 | 16.5 | 4.8 | 73 | <0.1 | 8.2 | 5.0 | 251 | 1.82 | 0.8 | <0.5 | 1.5 | 115 | <0.1 | <0.1 | <0.1 | 40 | 0.66 | 0.036 | 9 |
| JT 802 | Soil | 0.3 | 21.4 | 5.2 | 106 | <0.1 | 14.2 | 7.6 | 721 | 2.20 | 1.0 | <0.5 | 1.6 | 101 | <0.1 | <0.1 | <0.1 | 55 | 0.64 | 0.055 | 7 |
| JT 803 | Soil | 0.3 | 41.0 | 4.9 | 68 | <0.1 | 30.5 | 19.4 | 628 | 3.95 | <0.5 | <0.5 | 2.2 | 86 | 0.1 | <0.1 | <0.1 | 106 | 0.97 | 0.041 | 16 |
| JT 804 | Soil | 0.4 | 43.4 | 6.5 | 70 | <0.1 | 43.5 | 27.6 | 1197 | 5.44 | 1.5 | <0.5 | 1.7 | 95 | 0.1 | <0.1 | 0.4 | 116 | 1.38 | 0.117 | 15 |
| JT 805 | Soil | 0.4 | 40.1 | 5.6 | 79 | <0.1 | 32.4 | 17.9 | 729 | 4.65 | 0.8 | <0.5 | 1.8 | 88 | 0.1 | <0.1 | 0.3 | 98 | 1.02 | 0.036 | 14 |
| JT 806 | Soil | 0.5 | 23.6 | 4.5 | 80 | <0.1 | 18.3 | 9.1 | 626 | 2.14 | 0.9 | <0.5 | 1.4 | 72 | 0.1 | <0.1 | 0.1 | 50 | 0.57 | 0.034 | 7 |
| JT 807 | Soil | 0.5 | 28.4 | 4.9 | 84 | <0.1 | 23.2 | 12.3 | 800 | 2.54 | 1.2 | <0.5 | 1.8 | 85 | <0.1 | <0.1 | <0.1 | 60 | 0.62 | 0.034 | 11 |
| JT 808 | Soil | 0.4 | 33.1 | 5.4 | 82 | <0.1 | 29.3 | 14.1 | 834 | 2.90 | 0.7 | <0.5 | 1.9 | 97 | <0.1 | <0.1 | <0.1 | 61 | 0.75 | 0.047 | 13 |
| JT 809 | Soil | 0.4 | 27.6 | 7.9 | 135 | <0.1 | 19.1 | 9.1 | 1342 | 2.71 | 3.8 | <0.5 | 2.3 | 109 | 0.2 | 0.3 | <0.1 | 51 | 0.89 | 0.070 | 15 |
| JT 810 | Soil | 0.7 | 41.5 | 11.7 | 107 | <0.1 | 25.8 | 13.3 | 1374 | 2.93 | 4.4 | <0.5 | 2.0 | 108 | 0.2 | 0.3 | <0.1 | 66 | 0.79 | 0.046 | 14 |
| JT 811 | Soil | 0.8 | 33.9 | 6.7 | 87 | <0.1 | 26.8 | 13.7 | 1280 | 2.86 | 4.3 | <0.5 | 1.8 | 110 | 0.2 | 0.3 | 0.3 | 72 | 0.79 | 0.028 | 12 |
| JT 812 | Soil | 0.9 | 37.7 | 6.8 | 75 | 0.1 | 25.5 | 11.0 | 809 | 2.74 | 7.8 | 7.4 | 1.7 | 107 | 0.1 | 0.4 | 0.1 | 59 | 0.71 | 0.041 | 18 |
| JT 813 | Soil | 0.6 | 30.6 | 6.7 | 72 | <0.1 | 21.7 | 10.9 | 884 | 2.48 | 5.4 | 3.6 | 1.7 | 95 | 0.1 | 0.4 | 0.1 | 64 | 0.60 | 0.024 | 13 |
| JT 814 | Soil | 0.8 | 38.4 | 7.5 | 64 | 0.2 | 18.8 | 8.2 | 389 | 2.65 | 11.0 | 13.1 | 2.0 | 73 | <0.1 | 0.6 | 0.1 | 53 | 0.57 | 0.037 | 19 |
| JT 815 | Soil | 0.7 | 35.3 | 6.2 | 69 | <0.1 | 26.6 | 10.8 | 582 | 2.81 | 4.7 | 3.5 | 1.9 | 113 | 0.1 | 0.3 | <0.1 | 67 | 0.59 | 0.021 | 14 |
| JT 816 | Soil | 0.6 | 27.0 | 6.5 | 72 | <0.1 | 21.3 | 10.0 | 928 | 2.35 | 4.7 | 6.2 | 1.8 | 111 | 0.1 | 0.3 | <0.1 | 59 | 0.60 | 0.029 | 12 |
| JT 817 | Soil | 0.5 | 28.7 | 6.1 | 81 | <0.1 | 21.0 | 9.9 | 652 | 2.49 | 4.2 | 1.3 | 1.7 | 99 | 0.1 | 0.3 | <0.1 | 63 | 0.57 | 0.029 | 11 |
| JT 818 | Soil | 0.8 | 29.1 | 7.7 | 82 | 0.1 | 21.9 | 9.7 | 966 | 2.41 | 5.5 | 7.2 | 1.7 | 129 | 0.2 | 0.3 | 0.2 | 58 | 0.69 | 0.037 | 13 |
| JT 819 | Soil | 0.7 | 27.2 | 5.5 | 100 | <0.1 | 20.5 | 9.0 | 846 | 2.32 | 4.0 | 1.1 | 1.5 | 99 | 0.1 | 0.2 | <0.1 | 54 | 0.65 | 0.026 | 10 |
| JT 820 | Soil | 0.8 | 34.4 | 7.3 | 58 | 0.3 | 20.7 | 8.4 | 313 | 2.60 | 9.2 | 7.5 | 1.9 | 93 | 0.1 | 0.5 | <0.1 | 53 | 0.64 | 0.043 | 14 |
| JT 821 | Soil | 0.9 | 32.2 | 5.6 | 74 | <0.1 | 23.4 | 9.9 | 490 | 2.64 | 4.4 | 1.8 | 1.5 | 81 | <0.1 | 0.3 | 0.1 | 63 | 0.58 | 0.038 | 11 |
| JT 822 | Soil | 1.0 | 29.7 | 7.0 | 58 | <0.1 | 21.8 | 10.0 | 627 | 2.66 | 9.1 | 4.5 | 1.8 | 96 | <0.1 | 0.4 | 0.1 | 59 | 0.58 | 0.027 | 17 |
| JT 823 | Soil | 0.7 | 36.7 | 6.1 | 82 | <0.1 | 26.5 | 11.1 | 679 | 2.85 | 5.9 | 1.7 | 1.5 | 83 | 0.2 | 0.4 | <0.1 | 64 | 0.70 | 0.041 | 14 |
| JT 824 | Soil | 1.4 | 29.9 | 7.2 | 65 | <0.1 | 20.3 | 9.7 | 657 | 2.55 | 13.1 | 4.4 | 1.2 | 69 | <0.1 | 0.6 | <0.1 | 55 | 0.52 | 0.036 | 18 |
| JT 825 | Soil | 1.0 | 29.9 | 7.3 | 68 | <0.1 | 19.9 | 10.6 | 988 | 2.24 | 5.2 | 1.7 | 1.5 | 127 | <0.1 | 0.3 | <0.1 | 59 | 0.61 | 0.027 | 14 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 9 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 797 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| JT 798 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| JT 799 | Soil | 16 | 0.71 | 125 | 0.116 | 5 | 2.03 | 0.035 | 0.21 | <0.1 | 0.06 | 6.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 800 | Soil | 16 | 0.55 | 126 | 0.089 | 14 | 1.90 | 0.025 | 0.30 | <0.1 | 0.06 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| GPSTD-6 | Rock Pulp | 34 | 0.98 | 72 | 0.130 | 2 | 1.70 | 0.089 | 0.19 | 31.0 | 1.85 | 4.2 | 1.9 | 2.69 | 9 | 3.3 | <0.2 |
| JT 801 | Soil | 13 | 0.33 | 82 | 0.105 | 4 | 1.59 | 0.021 | 0.21 | <0.1 | 0.05 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 802 | Soil | 19 | 0.45 | 110 | 0.138 | 9 | 1.82 | 0.028 | 0.34 | <0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 803 | Soil | 31 | 0.41 | 59 | 0.149 | 2 | 2.45 | 0.103 | 0.14 | <0.1 | 0.04 | 13.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 804 | Soil | 25 | 0.49 | 49 | 0.076 | 2 | 1.96 | 0.136 | 0.11 | <0.1 | 0.03 | 17.1 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| JT 805 | Soil | 21 | 0.48 | 48 | 0.100 | 3 | 2.06 | 0.106 | 0.22 | <0.1 | 0.02 | 13.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 806 | Soil | 20 | 0.39 | 124 | 0.105 | 5 | 1.77 | 0.031 | 0.27 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 807 | Soil | 29 | 0.53 | 143 | 0.095 | 5 | 2.45 | 0.027 | 0.31 | <0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 808 | Soil | 30 | 0.68 | 153 | 0.070 | 5 | 2.89 | 0.033 | 0.35 | <0.1 | 0.04 | 8.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| JT 809 | Soil | 22 | 0.51 | 285 | 0.096 | 13 | 2.42 | 0.025 | 0.41 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 810 | Soil | 31 | 0.57 | 265 | 0.113 | 4 | 2.50 | 0.026 | 0.35 | <0.1 | 0.04 | 6.7 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| JT 811 | Soil | 32 | 0.62 | 238 | 0.125 | 5 | 2.45 | 0.023 | 0.31 | <0.1 | 0.02 | 6.8 | 0.1 | <0.05 | 6 | 0.6 | <0.2 |
| JT 812 | Soil | 26 | 0.55 | 186 | 0.068 | 8 | 1.96 | 0.021 | 0.38 | <0.1 | 0.04 | 6.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 813 | Soil | 25 | 0.47 | 242 | 0.106 | 4 | 1.83 | 0.023 | 0.29 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| JT 814 | Soil | 23 | 0.41 | 206 | 0.030 | 8 | 1.91 | 0.014 | 0.31 | <0.1 | 0.05 | 6.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 815 | Soil | 34 | 0.49 | 212 | 0.122 | 5 | 2.07 | 0.024 | 0.30 | <0.1 | 0.03 | 7.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 816 | Soil | 26 | 0.46 | 233 | 0.116 | 6 | 1.74 | 0.022 | 0.38 | <0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 817 | Soil | 27 | 0.47 | 229 | 0.123 | 4 | 1.95 | 0.024 | 0.32 | <0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 818 | Soil | 26 | 0.48 | 239 | 0.110 | 7 | 1.76 | 0.024 | 0.35 | <0.1 | 0.02 | 5.8 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 819 | Soil | 26 | 0.45 | 220 | 0.116 | 5 | 1.94 | 0.023 | 0.35 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 820 | Soil | 26 | 0.41 | 154 | 0.081 | 7 | 1.84 | 0.017 | 0.34 | <0.1 | 0.04 | 6.3 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| JT 821 | Soil | 31 | 0.54 | 200 | 0.125 | 5 | 2.18 | 0.023 | 0.40 | <0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 822 | Soil | 26 | 0.51 | 208 | 0.078 | 6 | 1.94 | 0.019 | 0.31 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 823 | Soil | 31 | 0.58 | 239 | 0.106 | 8 | 2.38 | 0.021 | 0.49 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 824 | Soil | 22 | 0.46 | 171 | 0.056 | 6 | 1.59 | 0.019 | 0.32 | <0.1 | 0.03 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 825 | Soil | 22 | 0.41 | 229 | 0.106 | 4 | 1.60 | 0.025 | 0.34 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 10 of 10

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| | | 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 | 2 | 0.01 | 0.001 | 1 | |
| JT 826 | Soil | 0.4 | 33.6 | 6.2 | 76 | <0.1 | 21.7 | 10.7 | 817 | 2.58 | 4.6 | 4.2 | 1.7 | 141 | 0.2 | 0.2 | <0.1 | 62 | 0.79 | 0.040 | 15 |
| JT 827 | Soil | 0.6 | 35.2 | 5.8 | 74 | <0.1 | 29.3 | 11.6 | 690 | 2.79 | 2.5 | 1.4 | 1.7 | 92 | <0.1 | 0.3 | <0.1 | 66 | 0.68 | 0.033 | 12 |
| JT 828 | Soil | 0.5 | 37.9 | 6.2 | 63 | <0.1 | 25.8 | 11.4 | 752 | 2.55 | 3.7 | 1.6 | 1.4 | 128 | 0.1 | 0.2 | <0.1 | 55 | 0.72 | 0.047 | 19 |
| JT 829 | Soil | 0.6 | 33.0 | 6.1 | 69 | <0.1 | 23.1 | 10.3 | 824 | 2.34 | 4.1 | 1.2 | 1.4 | 92 | 0.2 | 0.2 | <0.1 | 53 | 0.72 | 0.047 | 18 |
| JT 830 | Soil | 0.3 | 30.1 | 5.5 | 68 | <0.1 | 17.0 | 9.0 | 767 | 2.14 | 2.9 | <0.5 | 1.1 | 116 | 0.1 | 0.1 | <0.1 | 47 | 0.72 | 0.054 | 22 |
| JT 831 | Soil | 0.3 | 29.2 | 5.3 | 68 | <0.1 | 15.1 | 7.7 | 601 | 2.23 | 3.2 | <0.5 | 1.2 | 70 | 0.1 | 0.2 | <0.1 | 45 | 0.62 | 0.038 | 23 |
| JT 832 | Soil | 0.3 | 22.1 | 6.0 | 60 | <0.1 | 12.7 | 6.9 | 745 | 2.07 | 2.3 | 1.1 | 1.3 | 69 | 0.1 | 0.2 | <0.1 | 40 | 0.50 | 0.030 | 26 |
| JT 833 | Soil | 0.7 | 36.3 | 5.3 | 68 | <0.1 | 33.9 | 12.0 | 718 | 2.84 | 3.7 | 2.1 | 1.7 | 89 | <0.1 | 0.3 | <0.1 | 68 | 0.73 | 0.031 | 12 |
| JT 834 | Soil | 0.6 | 31.8 | 6.4 | 76 | <0.1 | 32.3 | 11.0 | 760 | 2.75 | 5.3 | 8.1 | 1.8 | 79 | 0.1 | 0.4 | <0.1 | 65 | 0.70 | 0.031 | 13 |
| JT 835 | Soil | 0.6 | 45.2 | 5.7 | 77 | <0.1 | 38.1 | 11.4 | 441 | 3.09 | 5.1 | 0.8 | 1.8 | 87 | <0.1 | 0.4 | <0.1 | 71 | 0.70 | 0.030 | 12 |
| JT 836 | Soil | 0.6 | 36.2 | 6.3 | 68 | <0.1 | 27.6 | 10.3 | 615 | 2.58 | 5.3 | 7.8 | 1.7 | 108 | 0.1 | 0.3 | <0.1 | 63 | 0.64 | 0.029 | 15 |
| JT 837 | Soil | 0.8 | 30.5 | 5.9 | 68 | <0.1 | 24.3 | 10.4 | 701 | 2.51 | 4.6 | <0.5 | 1.5 | 94 | <0.1 | 0.3 | <0.1 | 67 | 0.53 | 0.029 | 12 |
| JT 838 | Soil | 0.8 | 28.4 | 6.5 | 60 | <0.1 | 22.8 | 9.5 | 641 | 2.23 | 5.9 | 2.6 | 1.4 | 78 | 0.1 | 0.4 | <0.1 | 57 | 0.66 | 0.031 | 14 |
| JT 839 | Soil | 0.7 | 26.6 | 6.7 | 62 | <0.1 | 20.4 | 8.9 | 629 | 2.31 | 5.2 | 5.3 | 1.6 | 87 | <0.1 | 0.4 | <0.1 | 61 | 0.58 | 0.023 | 12 |
| JT 840 | Soil | 0.8 | 30.0 | 7.2 | 73 | 0.1 | 18.7 | 8.4 | 563 | 2.47 | 10.3 | 9.2 | 2.0 | 110 | 0.2 | 0.4 | <0.1 | 55 | 0.66 | 0.027 | 15 |
| JT 841 | Soil | 1.5 | 29.1 | 9.4 | 79 | 0.2 | 17.9 | 9.3 | 918 | 2.38 | 16.0 | 7.4 | 2.0 | 79 | <0.1 | 0.6 | <0.1 | 59 | 0.60 | 0.021 | 14 |
| JT 842 | Soil | 1.0 | 30.0 | 7.8 | 65 | <0.1 | 15.8 | 7.5 | 430 | 2.31 | 16.5 | 2.1 | 2.0 | 94 | <0.1 | 0.5 | <0.1 | 58 | 0.53 | 0.016 | 12 |
| JT 843 | Soil | 0.7 | 34.4 | 8.9 | 98 | <0.1 | 21.4 | 10.1 | 964 | 2.69 | 10.5 | 0.9 | 2.1 | 88 | 0.2 | 0.3 | 0.1 | 56 | 0.66 | 0.029 | 11 |
| JT 844 | Soil | 0.7 | 29.8 | 9.2 | 85 | 0.1 | 17.5 | 8.5 | 950 | 2.35 | 10.3 | 3.4 | 1.8 | 105 | 0.2 | 0.3 | 0.1 | 50 | 0.74 | 0.030 | 13 |
| JT 845 | Soil | 0.8 | 43.7 | 8.6 | 89 | 0.2 | 26.2 | 11.1 | 749 | 2.84 | 8.1 | 2.0 | 2.0 | 99 | 0.2 | 0.3 | 0.1 | 65 | 0.78 | 0.036 | 13 |
| JT 846 | Soil | 0.7 | 36.7 | 7.7 | 91 | <0.1 | 26.0 | 11.8 | 867 | 2.73 | 4.6 | <0.5 | 2.0 | 88 | 0.2 | 0.2 | 0.1 | 63 | 0.64 | 0.032 | 11 |
| JT 847 | Soil | 0.7 | 33.8 | 8.2 | 73 | 0.1 | 22.3 | 10.1 | 791 | 2.54 | 6.1 | 3.3 | 1.8 | 86 | 0.1 | 0.4 | <0.1 | 55 | 0.66 | 0.032 | 15 |
| JT 848 | Soil | 0.9 | 35.9 | 8.6 | 65 | 0.2 | 20.0 | 9.2 | 682 | 2.47 | 9.7 | 27.6 | 2.0 | 76 | 0.2 | 0.5 | 0.1 | 55 | 0.59 | 0.042 | 16 |
| JT 849 | Soil | 1.0 | 36.4 | 8.3 | 100 | <0.1 | 26.2 | 12.3 | 928 | 2.93 | 5.0 | <0.5 | 2.2 | 93 | 0.1 | 0.3 | 0.1 | 67 | 0.76 | 0.029 | 12 |
| JT 850 | Soil | 1.0 | 25.6 | 8.4 | 72 | <0.1 | 17.7 | 8.9 | 886 | 2.18 | 6.7 | 2.6 | 2.0 | 86 | 0.1 | 0.4 | <0.1 | 47 | 0.53 | 0.030 | 14 |
| JT 851 | Soil | 0.5 | 26.3 | 7.3 | 78 | <0.1 | 18.8 | 9.7 | 644 | 2.58 | 4.8 | <0.5 | 2.2 | 91 | 0.1 | 0.2 | 0.2 | 55 | 0.68 | 0.037 | 16 |
| JT 852 | Soil | 0.5 | 35.6 | 6.0 | 89 | <0.1 | 23.5 | 10.0 | 702 | 2.65 | 3.5 | <0.5 | 1.9 | 94 | 0.1 | 0.2 | 0.1 | 62 | 0.64 | 0.030 | 12 |
| GPSTD-7 | Rock Pulp | 7.0 | 49.5 | 5.8 | 56 | 0.5 | 32.5 | 13.6 | 485 | 2.92 | 6.7 | 610.6 | 1.4 | 50 | 0.3 | 1.1 | 0.1 | 64 | 0.81 | 0.058 | 7 |



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Mammoth Geological Ltd.**

2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Project: GP-13

Report Date: June 18, 2013

Page: 10 of 10

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001956.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| MDL | | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT 826 | Soil | 25 | 0.55 | 195 | 0.094 | 7 | 2.07 | 0.026 | 0.41 | <0.1 | 0.03 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 827 | Soil | 35 | 0.58 | 201 | 0.120 | 7 | 2.35 | 0.022 | 0.36 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| JT 828 | Soil | 27 | 0.58 | 151 | 0.058 | 6 | 2.15 | 0.020 | 0.35 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 829 | Soil | 25 | 0.53 | 197 | 0.058 | 6 | 2.00 | 0.016 | 0.36 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 830 | Soil | 17 | 0.50 | 157 | 0.040 | 4 | 1.93 | 0.020 | 0.38 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 831 | Soil | 19 | 0.44 | 309 | 0.045 | 4 | 1.96 | 0.017 | 0.33 | <0.1 | 0.01 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 832 | Soil | 14 | 0.38 | 275 | 0.028 | 5 | 1.55 | 0.014 | 0.31 | <0.1 | 0.01 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 833 | Soil | 42 | 0.64 | 233 | 0.127 | 3 | 2.49 | 0.025 | 0.28 | <0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 834 | Soil | 40 | 0.59 | 268 | 0.121 | 3 | 2.22 | 0.019 | 0.36 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 835 | Soil | 49 | 0.66 | 222 | 0.128 | 4 | 2.70 | 0.020 | 0.31 | <0.1 | 0.01 | 7.7 | <0.1 | <0.05 | 7 | 0.5 | <0.2 |
| JT 836 | Soil | 33 | 0.49 | 173 | 0.101 | 4 | 1.99 | 0.020 | 0.32 | <0.1 | 0.02 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 837 | Soil | 31 | 0.48 | 164 | 0.111 | 6 | 1.76 | 0.021 | 0.39 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 5 | 1.1 | <0.2 |
| JT 838 | Soil | 25 | 0.44 | 164 | 0.087 | 7 | 1.58 | 0.020 | 0.34 | <0.1 | <0.01 | 4.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 839 | Soil | 26 | 0.44 | 197 | 0.108 | 3 | 1.66 | 0.020 | 0.34 | <0.1 | 0.03 | 5.2 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| JT 840 | Soil | 23 | 0.41 | 158 | 0.078 | 5 | 1.72 | 0.020 | 0.26 | <0.1 | 0.03 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 841 | Soil | 22 | 0.34 | 158 | 0.082 | 3 | 1.56 | 0.019 | 0.24 | <0.1 | 0.03 | 5.1 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 842 | Soil | 20 | 0.34 | 168 | 0.095 | 3 | 1.68 | 0.022 | 0.21 | <0.1 | 0.01 | 5.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 843 | Soil | 24 | 0.45 | 210 | 0.121 | 6 | 2.25 | 0.023 | 0.31 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 844 | Soil | 24 | 0.41 | 210 | 0.100 | 5 | 1.65 | 0.022 | 0.23 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 845 | Soil | 33 | 0.51 | 205 | 0.118 | 8 | 2.20 | 0.022 | 0.30 | <0.1 | 0.03 | 6.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 846 | Soil | 32 | 0.58 | 239 | 0.133 | 5 | 2.40 | 0.022 | 0.34 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 847 | Soil | 26 | 0.43 | 253 | 0.098 | 10 | 1.68 | 0.018 | 0.34 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| JT 848 | Soil | 24 | 0.41 | 252 | 0.075 | 10 | 1.55 | 0.016 | 0.36 | <0.1 | 0.04 | 5.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 849 | Soil | 33 | 0.55 | 282 | 0.141 | 6 | 2.52 | 0.026 | 0.30 | <0.1 | 0.02 | 6.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 850 | Soil | 20 | 0.35 | 267 | 0.092 | 6 | 1.31 | 0.021 | 0.23 | <0.1 | 0.03 | 4.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| JT 851 | Soil | 23 | 0.44 | 257 | 0.095 | 8 | 2.20 | 0.019 | 0.26 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 852 | Soil | 27 | 0.50 | 195 | 0.127 | 6 | 2.28 | 0.022 | 0.36 | <0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| GPSTD-7 | Rock Pulp | 35 | 0.71 | 144 | 0.151 | 5 | 1.57 | 0.105 | 0.14 | 27.8 | 0.06 | 5.2 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001956.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| JT 592 | Soil | 0.6 | 26.9 | 5.3 | 88 | <0.1 | 19.0 | 9.8 | 843 | 2.31 | 1.7 | 1.6 | 1.5 | 152 | 0.1 | 0.2 | 0.2 | 53 | 0.83 | 0.050 | 11 |
| REP JT 592 | QC | 0.6 | 27.6 | 5.3 | 92 | <0.1 | 19.1 | 9.9 | 857 | 2.37 | 1.3 | 2.0 | 1.6 | 151 | <0.1 | 0.2 | 0.1 | 51 | 0.86 | 0.046 | 11 |
| JT 627 | Soil | 0.5 | 34.5 | 5.6 | 74 | 0.1 | 23.1 | 8.9 | 548 | 2.58 | 2.0 | 12.2 | 2.1 | 110 | 0.1 | 0.3 | 0.1 | 63 | 0.69 | 0.031 | 14 |
| REP JT 627 | QC | 0.5 | 32.3 | 5.8 | 71 | 0.1 | 23.1 | 9.6 | 561 | 2.74 | 2.3 | 1.7 | 2.0 | 113 | 0.1 | 0.3 | 0.1 | 60 | 0.67 | 0.032 | 14 |
| JT 689 | Soil | 0.4 | 25.2 | 8.3 | 138 | <0.1 | 14.5 | 7.1 | 1248 | 2.27 | 1.8 | 0.7 | 1.8 | 110 | 0.2 | 0.2 | <0.1 | 49 | 0.86 | 0.048 | 16 |
| REP JT 689 | QC | 0.4 | 24.8 | 8.7 | 132 | <0.1 | 14.8 | 7.0 | 1255 | 2.29 | 1.7 | <0.5 | 1.7 | 110 | 0.2 | 0.2 | <0.1 | 47 | 0.87 | 0.046 | 16 |
| JT 701 | Soil | 0.7 | 85.1 | 6.9 | 80 | 0.1 | 25.4 | 15.6 | 808 | 3.37 | 7.6 | <0.5 | 1.3 | 118 | 0.2 | 0.2 | <0.1 | 86 | 1.12 | 0.076 | 12 |
| REP JT 701 | QC | 0.6 | 87.9 | 7.0 | 82 | 0.1 | 25.4 | 15.6 | 830 | 3.37 | 8.0 | 4.3 | 1.4 | 119 | 0.2 | 0.3 | <0.1 | 87 | 1.22 | 0.076 | 12 |
| JT 738 | Soil | 0.6 | 27.7 | 4.2 | 76 | <0.1 | 20.7 | 9.3 | 461 | 2.35 | 1.8 | 1.2 | 1.2 | 80 | <0.1 | 0.2 | <0.1 | 58 | 0.69 | 0.039 | 9 |
| REP JT 738 | QC | 0.5 | 27.9 | 4.3 | 76 | <0.1 | 19.6 | 9.0 | 443 | 2.28 | 2.2 | 0.5 | 1.2 | 76 | <0.1 | 0.2 | <0.1 | 54 | 0.64 | 0.038 | 9 |
| JT 773 | Soil | 0.4 | 30.9 | 5.1 | 66 | <0.1 | 24.5 | 11.8 | 487 | 2.66 | 1.5 | 0.6 | 1.9 | 96 | <0.1 | 0.2 | 0.1 | 62 | 0.69 | 0.036 | 12 |
| REP JT 773 | QC | 0.4 | 30.1 | 5.4 | 70 | <0.1 | 23.9 | 11.5 | 510 | 2.73 | 1.6 | 2.3 | 1.9 | 95 | 0.1 | 0.2 | 0.1 | 61 | 0.68 | 0.037 | 12 |
| JT 828 | Soil | 0.5 | 37.9 | 6.2 | 63 | <0.1 | 25.8 | 11.4 | 752 | 2.55 | 3.7 | 1.6 | 1.4 | 128 | 0.1 | 0.2 | <0.1 | 55 | 0.72 | 0.047 | 19 |
| REP JT 828 | QC | 0.6 | 38.3 | 6.5 | 63 | <0.1 | 26.3 | 11.4 | 787 | 2.62 | 3.7 | 1.3 | 1.4 | 131 | 0.1 | 0.3 | 0.1 | 58 | 0.77 | 0.048 | 18 |
| GPSTD-7 | Rock Pulp | 7.0 | 49.5 | 5.8 | 56 | 0.5 | 32.5 | 13.6 | 485 | 2.92 | 6.7 | 610.6 | 1.4 | 50 | 0.3 | 1.1 | 0.1 | 64 | 0.81 | 0.058 | 7 |
| REP GPSTD-7 | QC | 6.8 | 52.7 | 6.2 | 56 | 0.6 | 34.6 | 14.2 | 522 | 3.21 | 7.4 | 747.5 | 1.5 | 52 | 0.3 | 1.1 | 0.2 | 68 | 0.86 | 0.061 | 8 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 13.7 | 149.5 | 139.5 | 338 | 1.8 | 78.3 | 12.9 | 1004 | 3.09 | 43.0 | 102.2 | 7.3 | 71 | 2.3 | 9.8 | 12.5 | 51 | 0.97 | 0.071 | 18 |
| STD DS11 | Standard | 14.1 | 148.6 | 133.6 | 326 | 1.7 | 76.7 | 12.9 | 975 | 2.98 | 41.8 | 88.5 | 7.3 | 67 | 2.4 | 8.6 | 10.8 | 48 | 0.99 | 0.065 | 19 |
| STD DS11 | Standard | 14.9 | 167.6 | 142.3 | 333 | 1.8 | 82.2 | 13.2 | 987 | 3.09 | 43.0 | 119.7 | 8.0 | 70 | 2.4 | 9.3 | 11.5 | 53 | 0.99 | 0.063 | 18 |
| STD DS11 | Standard | 14.2 | 153.5 | 141.0 | 326 | 1.8 | 81.1 | 13.4 | 998 | 2.98 | 41.3 | 96.0 | 7.4 | 69 | 2.2 | 9.2 | 11.0 | 50 | 1.03 | 0.067 | 18 |
| STD DS11 | Standard | 15.8 | 149.9 | 138.3 | 334 | 1.8 | 80.2 | 13.2 | 1021 | 3.08 | 42.5 | 78.9 | 8.0 | 75 | 2.2 | 9.3 | 11.2 | 53 | 1.03 | 0.068 | 21 |
| STD DS11 | Standard | 14.3 | 155.3 | 131.6 | 341 | 1.8 | 79.5 | 12.9 | 996 | 3.03 | 41.3 | 69.8 | 7.3 | 71 | 2.2 | 9.5 | 11.8 | 52 | 0.97 | 0.064 | 18 |
| STD DS11 | Standard | 14.3 | 143.9 | 132.0 | 339 | 1.7 | 77.0 | 13.1 | 988 | 3.11 | 41.6 | 83.2 | 7.6 | 69 | 2.3 | 8.7 | 10.9 | 49 | 0.98 | 0.073 | 18 |
| STD DS11 | Standard | 14.5 | 165.8 | 145.3 | 338 | 1.9 | 81.6 | 14.5 | 1042 | 3.23 | 42.9 | 85.5 | 8.1 | 75 | 2.7 | 9.0 | 12.7 | 51 | 0.98 | 0.073 | 20 |
| STD DS9 | Standard | 13.1 | 111.3 | 129.8 | 317 | 1.8 | 41.3 | 7.7 | 595 | 2.39 | 26.7 | 123.8 | 6.6 | 84 | 2.5 | 6.7 | 7.3 | 45 | 0.73 | 0.085 | 15 |
| STD DS9 | Standard | 12.2 | 102.4 | 116.1 | 291 | 1.7 | 37.5 | 6.9 | 540 | 2.10 | 23.4 | 115.6 | 5.7 | 69 | 2.1 | 5.7 | 5.9 | 38 | 0.67 | 0.076 | 13 |
| STD DS9 | Standard | 13.8 | 115.8 | 140.1 | 313 | 1.7 | 40.3 | 7.4 | 576 | 2.45 | 25.7 | 118.6 | 7.0 | 82 | 2.3 | 6.1 | 7.0 | 41 | 0.74 | 0.082 | 15 |

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.



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 1 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001956.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| JT 592 | Soil | 23 | 0.49 | 214 | 0.114 | 9 | 2.29 | 0.030 | 0.31 | <0.1 | 0.02 | 6.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 592 | QC | 23 | 0.50 | 210 | 0.105 | 7 | 2.37 | 0.030 | 0.31 | <0.1 | 0.02 | 6.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 627 | Soil | 31 | 0.58 | 156 | 0.143 | 5 | 2.35 | 0.029 | 0.40 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP JT 627 | QC | 30 | 0.59 | 156 | 0.137 | 5 | 2.40 | 0.031 | 0.40 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 689 | Soil | 19 | 0.42 | 172 | 0.122 | 6 | 2.22 | 0.030 | 0.36 | <0.1 | 0.04 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 689 | QC | 19 | 0.42 | 166 | 0.120 | 7 | 2.16 | 0.030 | 0.37 | <0.1 | 0.03 | 5.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 701 | Soil | 32 | 1.00 | 151 | 0.138 | 7 | 3.64 | 0.072 | 0.13 | <0.1 | 0.03 | 10.1 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| REP JT 701 | QC | 32 | 1.00 | 153 | 0.137 | 6 | 3.69 | 0.074 | 0.14 | <0.1 | 0.04 | 10.7 | <0.1 | <0.05 | 10 | <0.5 | <0.2 |
| JT 738 | Soil | 26 | 0.48 | 114 | 0.129 | 4 | 2.40 | 0.021 | 0.10 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP JT 738 | QC | 25 | 0.47 | 114 | 0.121 | 5 | 2.38 | 0.021 | 0.09 | <0.1 | 0.01 | 5.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| JT 773 | Soil | 37 | 0.54 | 155 | 0.127 | 3 | 2.50 | 0.036 | 0.14 | <0.1 | 0.02 | 7.5 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| REP JT 773 | QC | 37 | 0.55 | 152 | 0.126 | 3 | 2.49 | 0.033 | 0.14 | <0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| JT 828 | Soil | 27 | 0.58 | 151 | 0.058 | 6 | 2.15 | 0.020 | 0.35 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP JT 828 | QC | 27 | 0.59 | 156 | 0.060 | 5 | 2.22 | 0.020 | 0.37 | <0.1 | 0.02 | 5.6 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| GPSTD-7 | Rock Pulp | 35 | 0.71 | 144 | 0.151 | 5 | 1.57 | 0.105 | 0.14 | 27.8 | 0.06 | 5.2 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| REP GPSTD-7 | QC | 37 | 0.70 | 144 | 0.174 | 6 | 1.56 | 0.111 | 0.16 | 30.5 | 0.07 | 5.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 58 | 0.83 | 364 | 0.092 | 6 | 1.08 | 0.069 | 0.38 | 3.0 | 0.26 | 3.4 | 4.6 | 0.28 | 5 | 2.4 | 5.0 |
| STD DS11 | Standard | 56 | 0.80 | 372 | 0.092 | 6 | 1.08 | 0.067 | 0.37 | 3.1 | 0.27 | 2.9 | 4.6 | 0.20 | 5 | 2.2 | 4.8 |
| STD DS11 | Standard | 62 | 0.85 | 364 | 0.099 | 6 | 1.10 | 0.068 | 0.38 | 3.2 | 0.27 | 3.2 | 4.5 | 0.16 | 5 | 2.2 | 4.9 |
| STD DS11 | Standard | 59 | 0.80 | 358 | 0.095 | 8 | 1.06 | 0.070 | 0.37 | 2.8 | 0.28 | 2.7 | 4.4 | 0.16 | 5 | 2.6 | 4.4 |
| STD DS11 | Standard | 61 | 0.84 | 383 | 0.113 | 6 | 1.18 | 0.073 | 0.40 | 3.0 | 0.27 | 3.6 | 4.4 | 0.20 | 5 | 1.9 | 4.7 |
| STD DS11 | Standard | 61 | 0.83 | 359 | 0.096 | 7 | 1.12 | 0.069 | 0.38 | 3.1 | 0.27 | 2.8 | 4.3 | 0.19 | 5 | 2.1 | 4.4 |
| STD DS11 | Standard | 56 | 0.82 | 366 | 0.093 | 6 | 1.13 | 0.067 | 0.36 | 3.0 | 0.26 | 2.8 | 4.6 | 0.18 | 5 | 2.6 | 4.8 |
| STD DS11 | Standard | 61 | 0.83 | 368 | 0.104 | 7 | 1.14 | 0.064 | 0.39 | 3.0 | 0.29 | 3.0 | 4.8 | 0.25 | 5 | 2.0 | 4.5 |
| STD DS9 | Standard | 124 | 0.63 | 315 | 0.128 | 2 | 0.97 | 0.092 | 0.40 | 2.9 | 0.21 | 3.1 | 5.3 | 0.15 | 5 | 5.3 | 4.6 |
| STD DS9 | Standard | 110 | 0.57 | 273 | 0.106 | 2 | 0.85 | 0.080 | 0.36 | 2.9 | 0.19 | 2.2 | 4.8 | 0.10 | 4 | 4.8 | 4.6 |
| STD DS9 | Standard | 118 | 0.63 | 310 | 0.125 | 2 | 1.02 | 0.088 | 0.40 | 3.0 | 0.21 | 2.9 | 5.3 | <0.05 | 5 | 4.6 | 5.6 |

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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001956.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppb | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | | 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 | 1 |
| STD DS9 | Standard | 13.2 | 110.7 | 133.1 | 309 | 1.8 | 41.4 | 7.4 | 572 | 2.25 | 25.3 | 115.9 | 6.5 | 77 | 2.4 | 6.1 | 6.4 | 43 | 0.71 | 0.083 | 15 |
| STD DS9 | Standard | 13.8 | 106.2 | 125.0 | 307 | 1.6 | 39.1 | 7.5 | 595 | 2.28 | 24.9 | 114.0 | 7.6 | 86 | 2.2 | 6.2 | 6.0 | 44 | 0.75 | 0.077 | 18 |
| STD DS9 | Standard | 13.6 | 113.2 | 128.1 | 317 | 1.8 | 39.2 | 7.7 | 571 | 2.32 | 25.7 | 125.3 | 6.5 | 80 | 2.5 | 6.3 | 6.6 | 43 | 0.70 | 0.084 | 15 |
| STD DS9 | Standard | 13.3 | 111.9 | 121.3 | 318 | 1.7 | 39.7 | 7.4 | 574 | 2.32 | 25.2 | 105.5 | 6.5 | 78 | 2.7 | 5.8 | 6.9 | 42 | 0.69 | 0.080 | 14 |
| STD DS9 | Standard | 12.8 | 119.4 | 135.7 | 321 | 1.8 | 42.2 | 7.7 | 597 | 2.39 | 25.3 | 121.3 | 7.2 | 83 | 2.5 | 6.1 | 7.2 | 41 | 0.72 | 0.083 | 16 |
| 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 | 13.3 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | 0.02 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |
| BLK | Blank | <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 | <1 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 2 of 2

Part: 2 of 1

QUALITY CONTROL REPORT

VAN13001956.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|------------------|----------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | 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 |
| STD DS9 | Standard | 122 | 0.62 | 304 | 0.128 | 3 | 0.96 | 0.087 | 0.39 | 3.1 | 0.19 | 2.3 | 4.9 | 0.05 | 5 | 6.4 | 5.2 |
| STD DS9 | Standard | 117 | 0.62 | 305 | 0.134 | 3 | 1.01 | 0.099 | 0.40 | 3.0 | 0.18 | 2.8 | 5.0 | 0.08 | 5 | 5.3 | 5.6 |
| STD DS9 | Standard | 117 | 0.62 | 302 | 0.123 | 3 | 0.97 | 0.088 | 0.37 | 2.9 | 0.23 | 2.5 | 5.2 | 0.09 | 5 | 5.7 | 5.7 |
| STD DS9 | Standard | 120 | 0.62 | 305 | 0.116 | 3 | 0.94 | 0.088 | 0.37 | 3.1 | 0.19 | 2.1 | 5.0 | <0.05 | 5 | 4.3 | 4.9 |
| STD DS9 | Standard | 121 | 0.60 | 296 | 0.136 | 2 | 0.97 | 0.079 | 0.39 | 3.1 | 0.21 | 2.4 | 5.1 | 0.10 | 5 | 4.9 | 5.1 |
| STD DS9 Expected | | 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 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <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 |



www.acmelab.com

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

Client: **Mammoth Geological Ltd.**
2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: June 10, 2013
Report Date: June 18, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13001957.1

CLIENT JOB INFORMATION

Project: GP-13
Shipment ID:
P.O. Number
Number of Samples: 3

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|---|--------------|---------------|-----|
| R200-250 | 3 | Crush, split and pulverize 250 g rock to 200 mesh | | | VAN |
| 1DX2 | 3 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |

SAMPLE DISPOSAL

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

ADDITIONAL COMMENTS

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: Mammoth Geological Ltd.
2446 Bidston Road
Mill Bay BC V0R 2P4
CANADA

CC:



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.



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 2 of 2

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13001957.1

| 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 | |
| JT-R-002 | Rock | 0.53 | 0.2 | 17.4 | 1.7 | 21 | <0.1 | 13.4 | 6.0 | 269 | 1.38 | <0.5 | <0.5 | 0.6 | 186 | <0.1 | <0.1 | <0.1 | 30 | 0.43 | 0.046 |
| JT-R-003 | Rock | 1.06 | 0.1 | 17.3 | 1.7 | 16 | <0.1 | 13.1 | 5.1 | 164 | 1.05 | 0.7 | <0.5 | 0.7 | 118 | <0.1 | <0.1 | <0.1 | 20 | 0.43 | 0.029 |
| JT-R-004 | Rock | 0.73 | 0.1 | 16.1 | 1.1 | 12 | <0.1 | 10.1 | 4.3 | 153 | 0.87 | 0.6 | <0.5 | 0.3 | 62 | <0.1 | <0.1 | <0.1 | 18 | 0.29 | 0.022 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
 Report Date: June 18, 2013

Page: 2 of 2

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13001957.1

| Method | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| JT-R-002 | Rock | 6 | 13 | 0.66 | 119 | 0.139 | <1 | 0.74 | 0.050 | 0.10 | <0.1 | <0.01 | 2.9 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| JT-R-003 | Rock | 4 | 11 | 0.35 | 94 | 0.062 | <1 | 0.79 | 0.089 | 0.34 | <0.1 | <0.01 | 2.2 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| JT-R-004 | Rock | 3 | 4 | 0.43 | 42 | 0.055 | <1 | 0.62 | 0.064 | 0.22 | <0.1 | <0.01 | 1.8 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 1 of 1

Part: 1 of 1

QUALITY CONTROL REPORT

VAN13001957.1

| 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 | | | | | | | | | | | | | | | | | | | | | |
| JT-R-004 | Rock | 0.73 | 0.1 | 16.1 | 1.1 | 12 | <0.1 | 10.1 | 4.3 | 153 | 0.87 | 0.6 | <0.5 | 0.3 | 62 | <0.1 | <0.1 | <0.1 | 18 | 0.29 | 0.022 |
| REP JT-R-004 | QC | | 0.1 | 16.7 | 1.1 | 13 | <0.1 | 9.9 | 4.8 | 155 | 0.89 | <0.5 | <0.5 | 0.3 | 64 | <0.1 | <0.1 | <0.1 | 19 | 0.32 | 0.023 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | | 12.7 | 107.7 | 122.0 | 315 | 1.7 | 41.6 | 7.5 | 586 | 2.33 | 26.3 | 111.1 | 6.5 | 82 | 2.2 | 6.1 | 6.6 | 39 | 0.76 | 0.080 |
| 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 |
| BLK | Blank | | <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 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | | <0.1 | 2.3 | 3.2 | 45 | <0.1 | 2.5 | 4.1 | 564 | 1.91 | <0.5 | <0.5 | 5.4 | 72 | <0.1 | <0.1 | 0.1 | 36 | 0.55 | 0.066 |



www.acmelab.com

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

Client: Mammoth Geological Ltd.
 2446 Bidston Road
 Mill Bay BC V0R 2P4 CANADA

Project: GP-13
Report Date: June 18, 2013

Page: 1 of 1

Part: 2 of 1

QUALITY CONTROL REPORT

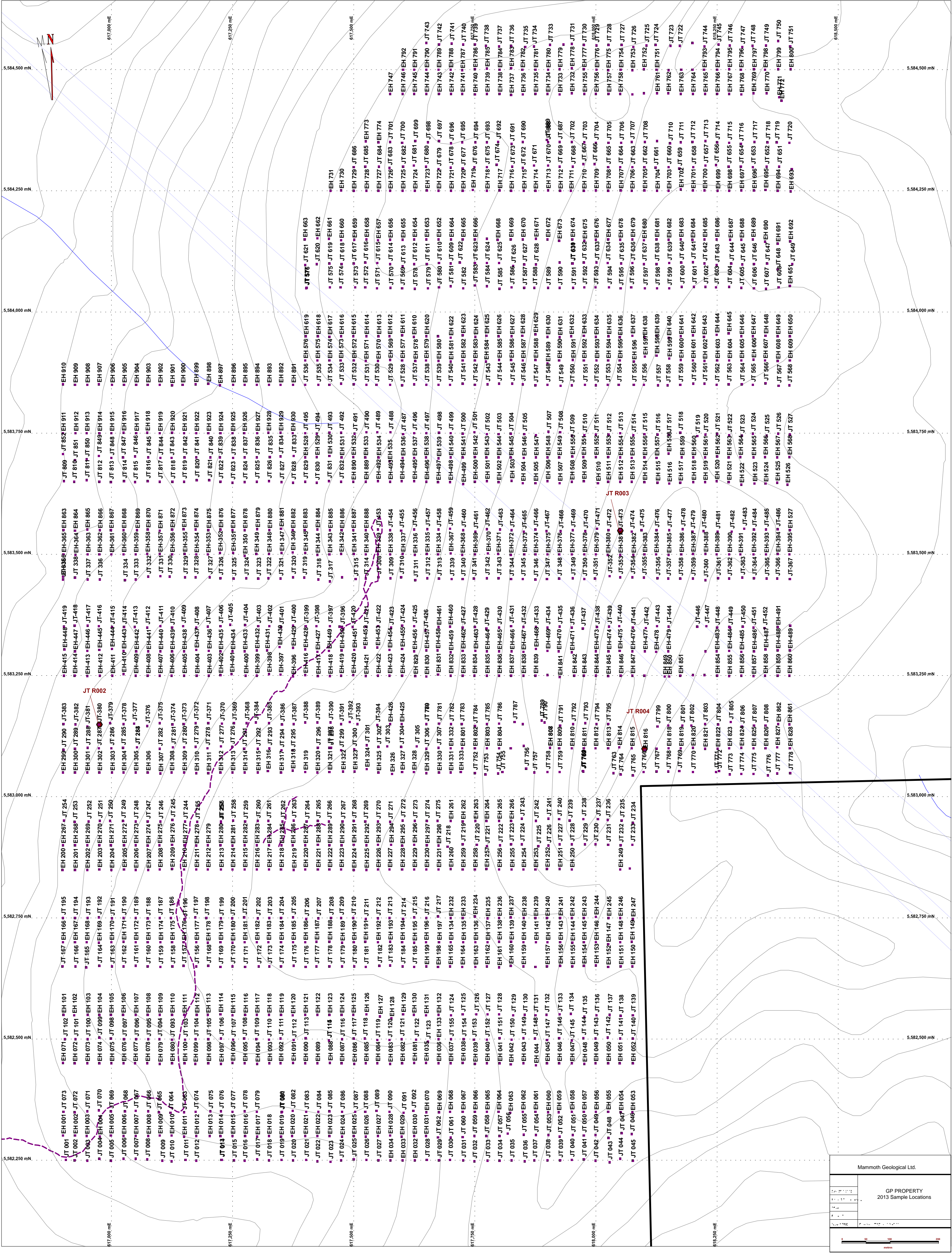
VAN13001957.1

| Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|------------|-------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Unit | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | |
| JT-R-004 | Rock | 3 | 4 | 0.43 | 42 | 0.055 | <1 | 0.62 | 0.064 | 0.22 | <0.1 | <0.01 | 1.8 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| REP JT-R-004 | QC | 3 | 4 | 0.44 | 43 | 0.058 | <1 | 0.63 | 0.064 | 0.22 | <0.1 | <0.01 | 2.0 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS9 | Standard | 15 | 122 | 0.63 | 308 | 0.118 | 2 | 1.00 | 0.089 | 0.40 | 2.9 | 0.21 | 2.5 | 5.1 | 0.16 | 5 | 4.4 | 5.7 |
| 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 |
| 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 |
| Prep Wash | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | 14 | 5 | 0.51 | 169 | 0.120 | 2 | 1.05 | 0.109 | 0.50 | <0.1 | <0.01 | 2.3 | 0.3 | <0.05 | 5 | <0.5 | <0.2 |

GP PROPERTY 2013 STATEMENT OF COSTS

| | |
|-----------------|-----------------------------------|
| | Dates Worked |
| Tim Henneberry | May 13,15,17 |
| Evan Henneberry | May 1 to May 21; May 26 to June 9 |
| John Taylor | May 1 to May 21; May 26 to June 9 |

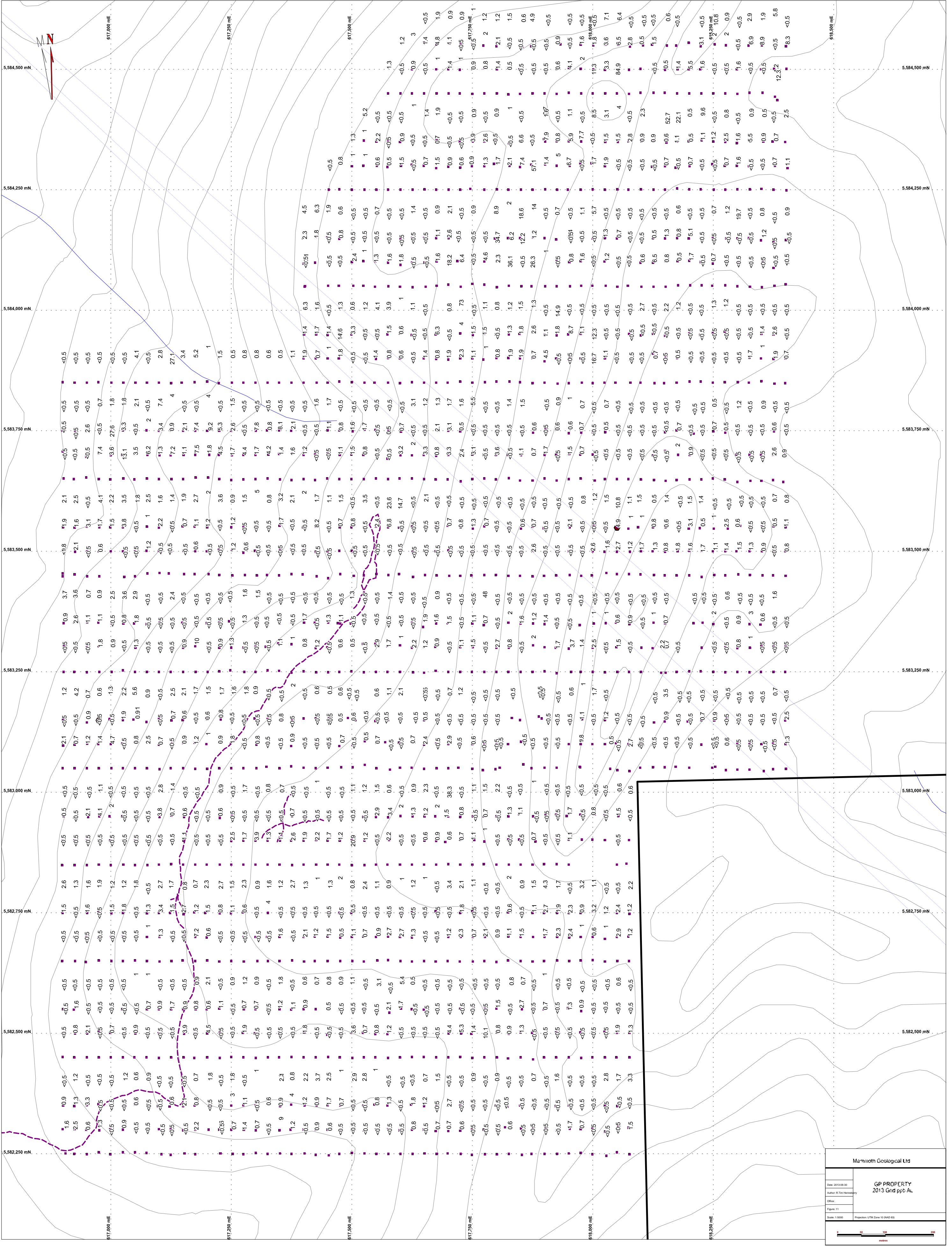
| | | | | | | | |
|-----------------------------------|------------|-------|---|-------|-------|------------|---------------------|
| Field Crew | | | | | | | \$46,375.00 |
| Tim Henneberry | 3 | days | @ | \$750 | /day | \$2,250 | |
| Evan Henneberry | 36 | days | @ | \$425 | /day | \$15,300 | |
| John Taylor | 36 | days | @ | \$475 | /day | \$17,100 | |
| Vehicle Rentals | | | | | | | |
| Mammoth | 36 | days | @ | \$100 | /day | \$3,600 | |
| Supervision | | | | | | | |
| Tim Henneberry | 25 | hours | @ | \$125 | /hour | \$3,125 | |
| Documentation | | | | | | | |
| Tim Henneberry | 40 | hours | @ | \$125 | /hour | \$5,000 | |
| Expenses | | | | | | | \$10,676.82 |
| Travel | | | | | | \$267.30 | |
| Lodging | | | | | | \$4,353.65 | |
| Supplies | | | | | | \$897.17 | |
| Meals | | | | | | \$3,031.16 | |
| Fuel | | | | | | \$1,156.92 | |
| Service charge | | | | | | \$970.62 | |
| Analysis | | | | | | | \$38,214.51 |
| Work Order | Invoice | | | | | | |
| VAN13001611 | VANI167467 | | | 203 | | \$3,944.38 | |
| VAN13001612 | VANI167469 | | | 253 | | \$4,913.38 | |
| VAN13001613 | VANI167866 | | | 255 | | \$4,952.30 | |
| VAN13001690 | VANI168190 | | | 285 | | \$5,516.64 | |
| VAN13001954 | VANI169317 | | | 255 | | \$4,913.38 | |
| VAN13001955 | VANI169318 | | | 289 | | \$5,401.88 | |
| VAN13001956 | VANI169319 | | | 268 | | \$5,028.14 | |
| VAN13001957 | VANI169320 | | | 3 | | \$70.36 | |
| Service (10%) | | | | | | \$3,474.05 | |
| GST (GST Number 133959049) | | | | | | | \$4,763.32 |
| Services | | | | | | \$2,318.75 | |
| Expenses | | | | | | \$533.84 | |
| Analysis | | | | | | \$1,910.73 | |
| Total Costs | | | | | | | \$100,029.64 |



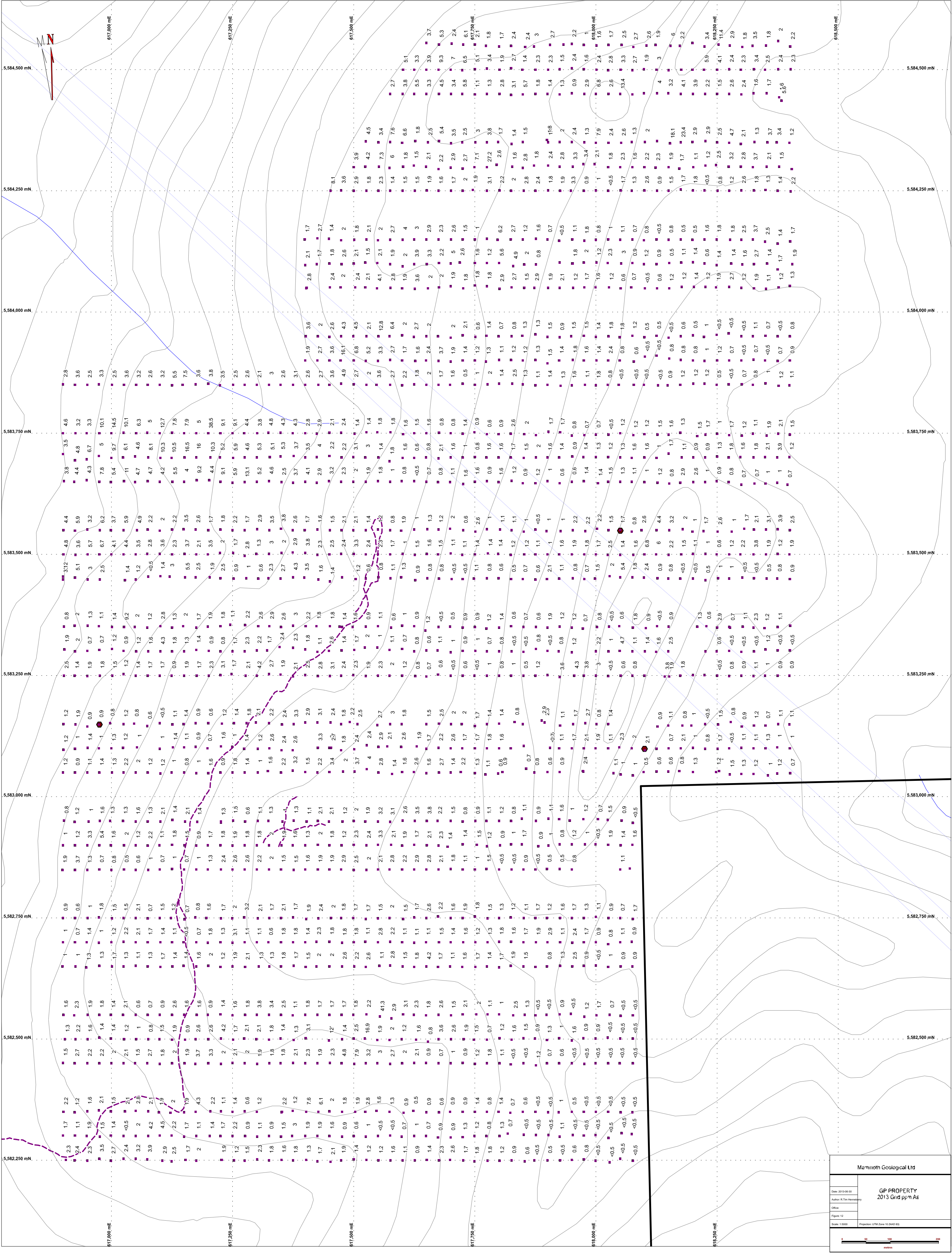
Mammoth Geological Ltd.

GP PROPERTY
2013 Sample Locations

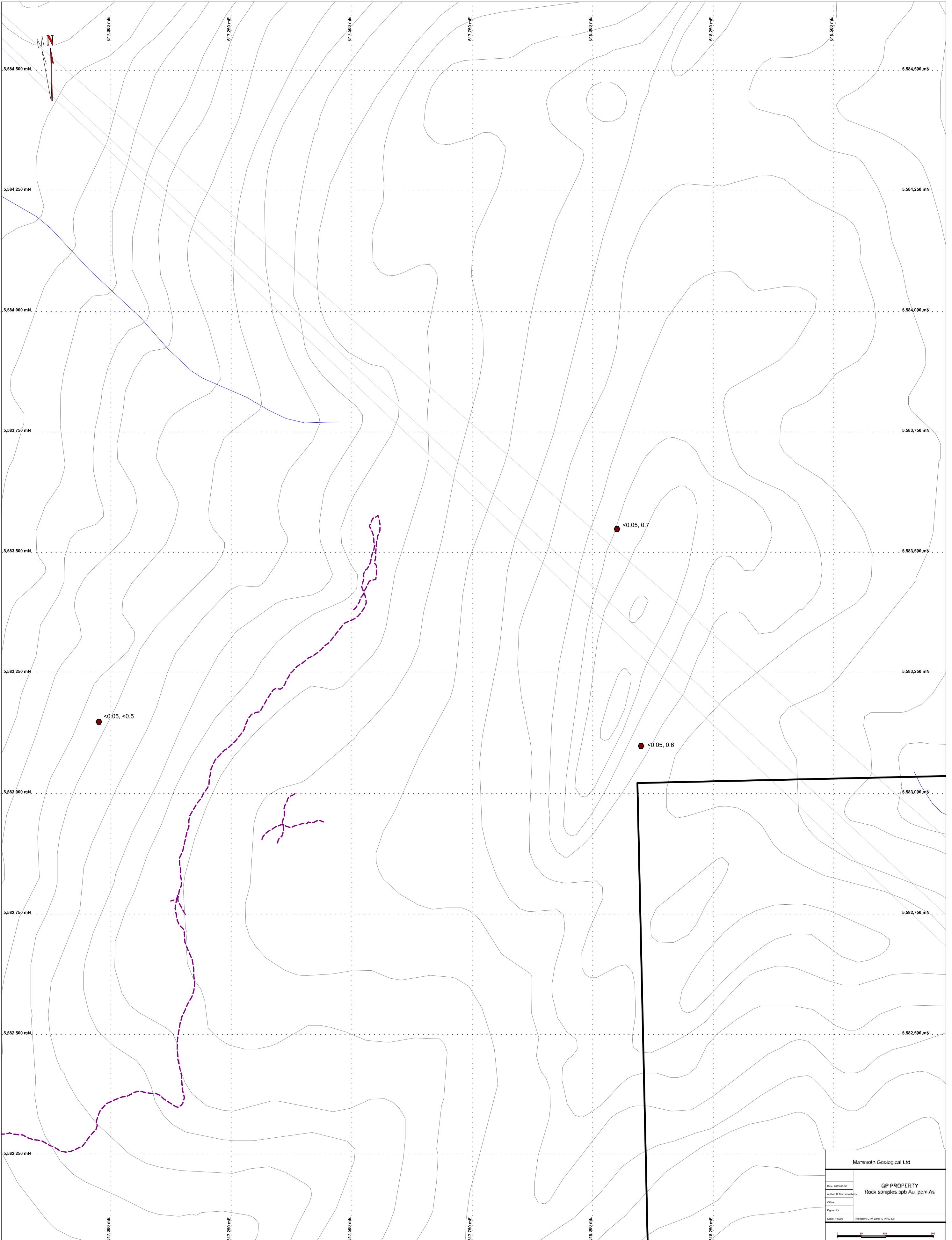
0 50 100 150 200
meters



| | |
|------------------------|---------------------------------|
| Mammoth Geological Ltd | |
| Date: 2013-06-30 | GP PROPERTY |
| Author: R. Van Heerde | 2013 Grd ppt AL |
| Office: | |
| Figure 11 | |
| Scale: 1:5000 | Projection: UTM Zone 18Q UTM 83 |
| | |



| | |
|------------------------|----------------------------------|
| Mammoth Geological Ltd | |
| Date: 2013-06-30 | GP PROPERTY |
| Author: R. Van Heerde | 2013 Grid pp-m As |
| Office: | |
| Figure: 12 | |
| Scale: 1:5000 | Projection: UTM Zone 10 (NAD 83) |
| | |



| | |
|------------------------|--|
| Mammoth Geological Ltd | |
| Date: 2013-06-30 | GP PROPERTY Rock samples cob Au, ppm AS |
| Author: R. Van Heerde | |
| Office: | |
| Figure: 13 | |
| Scale: 1:5000 | Projection: UTM Zone 10 SAGD 83 |
| | |